

February 27, 2018  
514-000.BD

City of Margate  
Purchasing Division / Finance Department  
Second Floor, City Hall  
5790 Margate Boulevard  
Margate, FL 33063

Reference: Request for Qualifications  
RFQ No. 2018-009  
Water and Wastewater General Engineering Services

Eckler Engineering is pleased to respond to the above referenced Request for Qualifications. In accordance with the published requirements, our response is inclusive of the following:

- ▶ One (1) original of the Eckler Engineering response dated February 27, 2018.
- ▶ Five (5) copies of the Eckler Engineering response.

The packages have been prepared along the guidelines established by the City of Margate and specifically include sections on our corporate history, corporate qualifications, project team, personnel assigned, professional registration and proof of insurance.

Eckler Engineering is headquartered in the Eckler Professional Centre located at 4700 Riverside Drive, Suite 110, Coral Springs, Florida. Our corporate contact is Douglas K. Hammann, P.E., President, 954/510-4700 and our alternate contact is Omar Khan, P.E.

Our response to this RFQ provides additional information relative to experience and information requested by the published RFQ documents.

We look forward to the opportunity of further discussing the project with the City of Margate and our ability and experience in providing the necessary engineering services. If you have any questions or require additional information pertaining to this RFQ submission, please do not hesitate to contact me.

Sincerely,



Douglas K. Hammann, P.E.

Encl.

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### ECKLER ENGINEERING, INC.

Eckler Engineering was established in July 1985 to provide professional engineering services to governmental and private clients. Eckler Engineering specializes in water, wastewater, and reclaimed water systems engineering. Eckler Engineering provides complete project engineering services from preliminary/conceptual planning through design, permitting, bidding/award, engineering services during construction, and project closeout.



The core focus of our consulting business is to provide engineering services for water, wastewater, and reclaimed water utility systems to municipalities throughout Florida. As a result, our focus has been providing engineering services for projects within fully developed areas in various cities or to make improvements to existing supply, treatment, storage, distribution/collection systems and pumping facilities. One aspect that separates Eckler Engineering from our competition is that we do not focus our business on commercial or residential development of parcels. Our focus is on the rehabilitation and expansion of utility systems in order to meet growth requirements and renewal/replacement requirements due to system age. We are a municipal engineering firm, not a general development services consulting engineering firm.

Eckler Engineering is currently, or has provided, general water and wastewater consulting services to the City of Coral Springs, the Village of Palm Springs, the City of Delray Beach, the City of West Palm Beach, the City of Boca Raton, the City of Pompano Beach, the City of Sunrise, the Town of Hillsboro Beach, the Town of Highland Beach, the City of Tamarac, the Town of Hypoluxo, the City of Coconut Creek, the City of Venice, the City of North Lauderdale, the City of Lauderdale, South Broward Utilities, the City of Plantation, Jacksonville Electric Authority, Key Largo Wastewater Treatment District, North Key Largo Utility Corporation, Florida Keys Aqueduct Authority, Okeechobee Utility Authority, St. Lucie County, Martin County, South Florida Water management District, Palm Beach County Water utilities Department, City of Marathon, and the Seminole Tribe of Florida. Eckler Engineering has also served as a subconsultant to many other engineering firms offering our expertise in vacuum sewer collection systems, magnetic ion exchange, and reclaimed water systems. Many different projects have been completed for these clients.

Eckler Engineering is very concerned about providing a product which meets the Client's needs in the design/construction of a facility which is easy to operate and maintain. Therefore, a major component of our design philosophy is the involvement of the Client's personnel throughout the entire process from the planning through design, construction and operational startup. Sharing of information between the client and consultant is what makes a project successful.

### AVIROM & ASSOCIATES, INC.

Avirom & Associates, Inc., founded by Michael D. Avirom in 1981, has offices in Palm Beach, Monroe and Martin County. They have been involved in numerous water and wastewater system designs with Eckler Engineering for thirty years. They are familiar with these types of facilities and the field data which must be collected. Avirom & Associates, Inc. has provided the surveying services for all the projects Eckler Engineering has completed when surveying services were required.



## CORPORATE HISTORY

Avirom & Associates, Inc. has extensive knowledge and experience in providing the following surveying services: boundary surveys, ALTA/ACSM land title surveys, as-built surveys, coastal mapping, construction surveys, permitting surveys, rights-of-way surveys, platting, plat review for compliance with Chapter 177, restoration of corners, route surveys, specific/special purpose surveys, submerged land lease surveys, topographic surveys and wetland location surveys.

Avirom & Associates, Inc. furnish Eckler Engineering with the base Cadd files which permit our engineers and Cadd technicians to utilize this information for design purposes. This has a significant impact on our ability to produce the necessary design drawings in a timely manner.

### **ELECTRICAL DESIGN ASSOCIATES, INC.**

Electrical Design Associates, Inc. (EDA) is a consulting engineering firm specialized in electrical and instrumentation design for water and wastewater facilities. EDA is located in West Palm Beach, Florida and was founded in 1998. They are a Certified Minority/Women Business Enterprise with offices in Palm Beach, Hillsborough and Orange Counties. The present staff includes registered electrical engineers, instrumentation designers, designer/cadd technicians, and field supervisors.

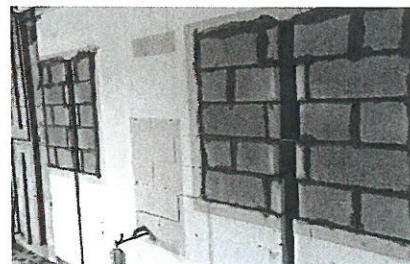
EDA's staff experience includes electrical and instrumentation system designs for industrial plants, specifically Water and Wastewater Treatment Facilities located throughout the State of Florida. EDA's electrical distribution system's experience covers the full range up to 13kvolt distribution as well as standby generator systems. Our instrumentation systems design experience includes SCADA and PC based systems, as well as numerous traditional monitoring and control panel designs.



EDA is staffed to provide electrical and instrumentation engineering services from inception through design, bid and construction completion.

### **SANDERS ELLIOTT STRUCTURAL ENGINEERING, LLC**

Sanders Elliott Structural Engineering, LLC is a structural engineering firm headquartered in Boca Raton, Florida. They will be called upon to provide the necessary structural engineering design for any of the improvements which require their services. They have provided Eckler Engineering with the structural design services for all of the structures and tankage related to water, wastewater, and reclaimed water facilities projects. We have a good working relationship with this firm and believe that we can achieve economical designs meeting all applicable building codes.



### ECKLER ENGINEERING, INC. QUALIFICATIONS

Since our inception in 1985, Eckler Engineering has served as Engineer of Record for hundreds of miles of new and replacement underground utility infrastructure for water, wastewater, and reclaimed water applications. Throughout this 33 year history, 99% of this work has been completed through existing developed areas. As a result, we have gathered experience and the expertise to work with the public and the various utilities (within the route-of-line) for successful completion of these projects.

Examples of our experience and expertise over the last five years beneficial to the City for the proposed project is as follows:

- Preliminary sitework evaluations that focus not only on the requirements of the underground infrastructure, but also on restoration, constructability, and access impacts to the utility customers. Coordination and confirmation of existing infrastructure by other utility service providers early in the design to avoid potential impacts and change orders.
- Determination of special project considerations for the individual project areas that will need to be addressed during construction activities. Including these requirements within the Contract Specifications and confirming they are adhered to throughout the construction phase. Special consideration includes, but are not limited to: maintaining level of service, school access, emergency access, testing, service switch-overs, and other related issues.
- Providing appropriate criteria and general guidelines for the maintenance of vehicular and pedestrian traffic requirements for the project area.
- Early coordination with and timely completion of the permit application submittal for various regulatory and right-of-way agencies impacted by the work.
- Ability to design the system for flexibility during construction due to discovery of unknown conflicts. When working in areas containing 40+ year old infrastructure, there are items that may not be discovered during the initial utility location process and are discovered after ground is broken during the laying of proposed infrastructure improvements.
- Coordination with and provision of information to the community along the infrastructure improvement routes so that the work is not a surprise and reduces impact to the customers. We have completed this throughout the years with simple onsite graphics and notifications which have been replaced with current cyber technologies.
- Ability to rehabilitate water treatment systems while ensuring water quality standards and demand is met and without compromising client expectations throughout the process.
- Provides expertise in lift station rehabilitation through understanding the needs of the system and client.

### OUR PERFORMANCE RECORD

We believe that the success of our project approach can best be demonstrated by the fact that most of our work comes from repeat clients and Eckler Engineering since our inception in 1985 has completed more than 650 water, wastewater, and reclaimed water projects ranging in cost from \$50,000 to over \$91 Million and has never had a claim for errors or omissions filed against our firm. Additionally, there has never been an indemnity payment by any professional liability carrier on behalf of Eckler Engineering. We believe that this record indicates our understanding of our client's needs and our ability to successfully carry through with a project that meets the client's goals and objectives.

## CORPORATE QUALIFICATIONS

A successful engineering record is best demonstrated by the success of your Clients and recognition of your peers. Our client cities are all growing and thriving during these uncertain times as demonstrated by:

- The Village of Palm Springs won the 2006, 2008, 2009, AWWA Region VI Best Tasting Water Award, and the AWWA State of Florida Best Tasting Water Award in 2009 from a Water Treatment Plant Eckler Engineering designed.
- City of Coral Springs winning the 2007 Malcolm Baldrige National Quality Award.

Our clients' success is the most important goal that we strive to achieve.

Additionally, Eckler Engineering has in the past received peer based awards. The most recent of these was our acceptance of the May 2006 American Council of Engineering Companies (ACEC), Engineering Excellence Awards Competition, National Recognition Award for "Innovative Magnetic ION Exchange System Solves Water Quality Problems".

Eckler Engineering and the City of Pompano Beach won the 1989 Portland Cement Association Award of Excellence for Distinguished Architectural Treatment in Prestressed Concrete Tank Construction.

### **ECKLER ENGINEERING PERSONNEL**

Please refer to **Project Team** and **Personnel Assigned**

# ARCHITECT – ENGINEER QUALIFICATIONS

## PART I – CONTRACT SPECIFIC QUALIFICATIONS

### A. CONTRACT INFORMATION

1. TITLE AND LOCATION <i>(City and State)</i> Water and Wastewater General Engineering Services		3. SOLICITATION OR PROJECT NUMBER RFQ 2018-009
2. PUBLIC NOTICE DATE 2/1/2018		

### B. ARCHITECT - ENGINEER POINT OF CONTACT

4. NAME AND TITLE Douglas K. Hammann, P.E., President		
5. NAME OF FIRM Eckler Engineering, Inc.		
6. TELEPHONE NUMBER 954/510-4700	7. FAX NUMBER 954/755-2741	8. E-MAIL ADDRESS dhammann@ecklerengineering.com

### C. PROPOSED TEAM

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

		(Check)				9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
		PRIME	J-V	PARTNER	SUBCON-TRACTOR			
a.	X					Eckler Engineering, Inc.  <input type="checkbox"/> CHECK IF BRANCH OFFICE	4700 Riverside Drive, Suite 110 Coral Springs, FL 33067	Prime
b.					X	Avirom & Associates, Inc.  <input type="checkbox"/> CHECK IF BRANCH OFFICE	50 SW 2nd Avenue, Suite 102 Boca Raton, FL 33432	Surveyor
c.					X	Sanders Elliott Structural Engineering, LLC  <input type="checkbox"/> CHECK IF BRANCH OFFICE	9628 Via Emilie Boca Raton, FL 33428	Structural Engineer
d.					X	Electrical Design Associates  <input type="checkbox"/> CHECK IF BRANCH OFFICE	Electrical Design Associates 8401 Lake Worth Road, Suite 221 Lake Worth, FL 33467 United States	Electrical Engineer
e.						  <input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.						  CHECK IF BRANCH OFFICE		

### D. ORGANIZATIONAL CHART OF PROPOSED TEAM

[X] *(Attached)*

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

(Complete one Section E for each key person.)

12. NAME Douglas K. Hammann, P.E.	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL 30</td> <td>b. WITH CURRENT FIRM 29</td> </tr> </table>		a. TOTAL 30	b. WITH CURRENT FIRM 29
a. TOTAL 30	b. WITH CURRENT FIRM 29				
15. FIRM NAME AND LOCATION (City and State) Eckler Engineering, Inc., Coral Springs, FL					
16. EDUCATION (Degree and Specialization) Architectural Technology / Architectural Technology Bachelor of Science / Civil Engineering Master of Engineering / Environmental & Water Resources Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) FL / Professional Engineer OH / Professional Engineer			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) ASCE Broward Branch Past President, AWWA, FWEA, WEF Publications: WEF Committee to update EPA Manual Alternative Wastewater Collection Systems					

## **19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Miscellaneous Water Treatment Plant Improvements - Phase III Coral Springs, FL	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2013
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager - Engineering services for the preliminary design, final design, permitting, bidding, and engineering services during construction for the third phase of miscellaneous improvements and modifications to the City of Coral Springs water treatment plant. The project cost was \$3,000,000.		
b. (1) TITLE AND LOCATION (City and State) MBR System and RO System Improvements Key Largo, FL		
(2) YEAR COMPLETED PROFESSIONAL SERVICES 2016		
CONSTRUCTION (If applicable) 2016		
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager - Design, permitting, bidding assistance, contract award assistance, and engineering services during construction for MBR System and RO System improvements. The final cost of this project was \$2,060,139.		
c. (1) TITLE AND LOCATION (City and State) R. L. Pratt WTP Filter Rehabilitation Palm Springs, FL		
(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014		
CONSTRUCTION (If applicable) 2014		
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager - Preliminary design, final design, and bidding phase assistance for the R. L. Pratt Water Treatment Plant Filter Rehabilitation.		
d. (1) TITLE AND LOCATION (City and State) Wiles Road Reclaimed Water Main Improvements Coconut Creek, FL		
(2) YEAR COMPLETED PROFESSIONAL SERVICES 2018		
CONSTRUCTION (If applicable) 2018		
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager - This project includes the installation of approximately 6,950 linear feet of 16-inch and 12-inch DIP and HDPE reclaimed water main. Directional drilling is required to install the HDPE pipe.		
e. (1) TITLE AND LOCATION (City and State) Rehabilitation of West and East Water Booster Station Coral Springs, FL		
(2) YEAR COMPLETED PROFESSIONAL SERVICES 2016		
CONSTRUCTION (If applicable) 2016		
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager - The rehabilitation included the demolition of the existing mechanical and electrical components at the site, and the installation of new pumps, miscellaneous mechanical components, HVAC units, miscellaneous structural improvements, electrical improvements and instrumentation and controls. Cost: \$1,987,990		

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

*(Complete one Section E for each key person.)*

12. NAME Omar Khan, P.E.	13. ROLE IN THIS CONTRACT Project Engineer	14. YEARS EXPERIENCE a. TOTAL 10      b. WITH CURRENT FIRM 10	
15. FIRM NAME AND LOCATION <i>(City and State)</i> Eckler Engineering, Inc., Coral Springs, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Civil Engineering / 2007		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Society of Civil Engineers			

## **19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
a. (1) TITLE AND LOCATION <i>(City and State)</i> Rehabilitation of Lift Stations 14E, 17A, 17C, 18C Coral Springs, FL	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> 2017
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager - Engineering services for the preliminary design, final design, permitting, bidding phase, and engineering services during construction for the rehabilitation of four (4) submersible wastewater lift stations. The rehabilitation includes civil site, mechanical and electrical improvements. One of the lift station sites will require a new onsite generator and wet well. Also included is the construction of approximately 4,200 LF of 4-10 inch force main. Construction cost was \$2,279,401.		
b. (1) TITLE AND LOCATION <i>(City and State)</i> Replacement of Raw Water Supply Wells 18, 19 and 20 Coral Springs, FL	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i> 2019
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager - Design, permitting and bidding assistance for three replacement surficial aquifer wells.		
c. (1) TITLE AND LOCATION <i>(City and State)</i> New Water Main on Sample Road Coral Springs, FL	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> 2017
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager - Engineering services for preliminary design, final design, permitting, bidding and services during construction. In an effort to increase water distribution capabilities throughout the City of Coral Springs' service area, Eckler Engineering was appointed the lead consultant in designing a new water main along Sample Road between Coral Hills Drive and University Drive. Additionally, as an add alternate to this project, a new water main was also designed along Coral Hills Drive from Sample Road to NW 31st Court. The project consisted of approximately 1,500 feet of 16-inch ductile iron water main along Sample Road and 950 feet of 12-inch ductile iron water main along Coral Hills. Eckler Engineering was responsible for construction services such as daily site evaluations and inspections. The contract amount for this project was \$1,500,000.		
d. (1) TITLE AND LOCATION <i>(City and State)</i> New Force Main on Sample Road Coral Springs, FL	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> 2017
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager - Engineering services for planning, design, permitting, and services during construction. Eckler Engineering designed a new force main along Sample Road between Coral Hills Drive and University Drive in response to the City's growing concern regarding aged transmission force mains. The project consisted of approximately 1,500 feet of 20-inch ductile iron force main as well as a right turn lane on Sample Road at NW 94th Avenue. Eckler Engineering was responsible for construction services such as daily site evaluations and inspections. The project cost was \$1,500,000.		
e. (1) TITLE AND LOCATION <i>(City and State)</i> Emergency Water Service Interconnect with Coral Springs Coconut Creek, FL	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> 2016
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager - Project included the installation of 360 LF of 12" ductile iron water main, meters, and vaults connecting the water distribution system of the City of Coconut Creek and the City of Coral Springs.		

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

(Complete one Section E for each key person.)

12. NAME Chase O. Dickinson, P.E.	13. ROLE IN THIS CONTRACT Project Engineer	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL 6</td> <td>b. WITH CURRENT FIRM 6</td> </tr> </table>		a. TOTAL 6	b. WITH CURRENT FIRM 6
a. TOTAL 6	b. WITH CURRENT FIRM 6				
15. FIRM NAME AND LOCATION (City and State) Eckler Engineering, Inc., Coral Springs, FL					
16. EDUCATION (Degree and Specialization) Bachelor of Science in Civil Engineering / Civil Engineering / 2012 Master of Science / Civil Engineering / 2015		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) FL / Professional Engineer			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					

## **19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
a.	(1) TITLE AND LOCATION (City and State) Design Build Services for Odor Control at the Wastewater Plant Pembroke Pines, FL	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer - Engineering design and services during construction for design/build of odor control and headworks improvements at the City of Pembroke Pines Wastewater Treatment Plant. <input checked="" type="checkbox"/> Check if project performed with current firm		
b.	(1) TITLE AND LOCATION (City and State) Rehabilitation of Lift Stations 14E, 17A, 17C, 18C, and 21C Coral Springs, FL	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer - Engineering services for the preliminary design, final design, permitting, bidding phase, and engineering services during construction for the rehabilitation of four (4) submersible wastewater lift stations. The rehabilitation includes civil site, mechanical and electrical improvements. One of the lift station sites will require a new onsite generator and wet well. Also included is the construction of approximately 4,200 LF of 4-10 inch force main. Construction cost was \$2,279,401. <input checked="" type="checkbox"/> Check if project performed with current firm		
c.	(1) TITLE AND LOCATION (City and State) R. L. Pratt WTP Filter Rehabilitation Palm Springs, FL	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer - Preliminary design, final design, and bidding phase assistance for the R. L. Pratt Water Treatment Plant Filter Rehabilitation. <input checked="" type="checkbox"/> Check if project performed with current firm		
d.	(1) TITLE AND LOCATION (City and State) New Force Main on Sample Road Coral Springs, FL	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer - Engineering services for planning, design, permitting, and services during construction. Eckler Engineering designed a new force main along Sample Road between Coral Hills Drive and University Drive in response to the City's growing concern regarding aged transmission force mains. The project consisted of approximately 1,500 feet of 20-inch ductile iron force main as well as a right turn lane on Sample Road at NW 94th Avenue. Eckler Engineering was responsible for <input checked="" type="checkbox"/> Check if project performed with current firm		
e.	(1) TITLE AND LOCATION (City and State) Wiles Road Reclaimed Water Main Improvements Coconut Creek, FL	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer - This project includes the installation of approximately 6,950 linear feet of 16-inch and 12-inch DIP and HDPE reclaimed water main. Directional drilling is required to install the HDPE pipe. <input checked="" type="checkbox"/> Check if project performed with current firm		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT***(Complete one Section E for each key person.)*

12. NAME Michael D. Avirom	13. ROLE IN THIS CONTRACT Principal	14. YEARS EXPERIENCE a. TOTAL 45      b. WITH CURRENT FIRM 37	
15. FIRM NAME AND LOCATION (City and State) Avirom & Associates, Inc. (Boca Raton, Florida)			
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Business Administration/1973 Associates in Science/1976 Associate in Arts/1971		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Florida Professional Surveyor and Mapper License LS3268	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State) City of Delray Beach Delray Beach, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES      CONSTRUCTION (If applicable)	
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Avirom & Associates has worked directly with agencies within the City of Delray Beach to provide various surveying services. We have provided boundary surveys; topographic surveys; sketch and legal descriptions; topographic/route-of-line surveys and construction services such as layouts and staking. To date \$392,500 / ongoing Principal <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION (City and State) Las Olas Riverwalk Fort Lauderdale, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014      CONSTRUCTION (If applicable)	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided base mapping to support the City of Fort Lauderdale's \$86 million beach redevelopment plan. The base mapping included compiling and delineating the right-of-way and ownership boundary line information of record, obtaining topographic data to generate one foot contours, locating all existing above ground improvements and above ground evidence of underground utilities. \$104,000 Principal/Project Surveyor <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION (City and State) Historic Depot Square Delray Beach, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES      CONSTRUCTION (If applicable)	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Boundary and topographic survey; tree survey; revise boundary (remove Tract A-2 and include Tract A-3); research and plot available right-of-way, easement and plat information; route-of-line survey; sketch and descriptions to abandon and dedicate right-of-way of NW 2nd Street; ALTA/ACSM Survey; plat preparation and processing. Cost to date: \$120,000 / ongoing Principal <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION (City and State) Pompano Beach Streetscapes Pompano Beach, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES      CONSTRUCTION (If applicable)	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Construction layout and record drawings for improvements on East Atlantic Boulevard, Harbor Village Shops and Old Pompano Historical Commercial District along approximately 3,800 linear feet of streetscape; improvements included reconfigured street lanes with parallel parking, new drainage, street lighting, wider sidewalks and new landscaping. Ongoing / cost to date: \$126,500 / Principal <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION (City and State) Boca Raton Downtown Promenade Boca Raton, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014      CONSTRUCTION (If applicable)	
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Topographic and tree survey for engineering design; base survey included recovery, research and location of sufficient ground control, platted lot lines, property lines and easement lines; provided land surveying services for all phases of construction for this beautification project; construction of a new drainage system, street lighting and paver brick sidewalks. \$141,300 Principal/Project Surveyor <input checked="" type="checkbox"/> Check if project performed with current firm		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**  
(Complete one Section E for each key person.)

12. NAME Lillian Reyes	13. ROLE IN THIS CONTRACT President	14. YEARS EXPERIENCE	
		a. TOTAL 28	b. WITH CURRENT FIRM 20
15. FIRM NAME AND LOCATION (City and State) Electrical Design Associates, Inc. (Lake Worth, FL)			
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelors of Science in Electrical Engineering Florida Atlantic University/1988		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) FL Professional Engineer # 50780	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Engineering Society (FES), Illuminating Engineering Society (IES), & National Fire Protection Association (NFPA).			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Lantana SCADA Monitoring WW Collection System Town of Lantana, FL	2015	2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE EDA prepared a preliminary design memo outlining proposed improvements, and provided electrical design and construction management services associated with the SCADA Monitoring of Wastewater Collection System.		
b.	Central Cudjoe Regional Wastewater Collection System for Inner Islands Florida Keys Aqueduct Authority, Florida	2012	2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Electrical design associated with duplex grinder type lift stations as well as primary lift stations throughout the Central Cudjoe Regional Wastewater service area. The area includes Cudjoe Key, Upper Sugarloaf and Summerland Key. The electrical design is based on separately metered services, rack mounted control panels and provisions for the connection of a standby generator. The design also included the requirements associated with adding low pressure systems to the residential properties.		
c.	Apopka WRF Apopka	2016	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Electrical Design Associates, Inc. was contracted to provide engineering services for the Apopka WRF Expansion project. Our scope of work included Electrical and Instrumentation associated with expansion of the existing Water Reclamation Facility (WRF) from the existing 4.5 MGD permitted capacity to 8.0 MGD. The design also included two (2) complete separate electrical systems with paralleled standby generators.		
d.	Duck Key Utility Improvements Florida Keys Aqueduct Authority, FL	2009	2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Electrical and Instrumentation design and general services during construction associated with the Duck Key utility improvements in phases 1 through 3. The overall project included the installation of a central wastewater gravity collection system with associated lift stations, the replacement of potable water lines and the installation of new reclaimed water lines with service connections.		
e.	Wastewater Lift Station Rehabilitation Project Palm Beach County, Florida	2007	2009
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided design as per PBCWUD minimum engineering construction standards (May 1, 2006), permitting, and bidding services for the rehabilitation of five (5) lift stations located in southern and central Palm Beach County.		

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

(Complete one Section E for each key person.)

12. NAME Gene S. Sanders, P.E.	13. ROLE IN THIS CONTRACT Structural Engineer	14. YEARS EXPERIENCE a. TOTAL 37 b. WITH CURRENT FIRM 30	
15. FIRM NAME AND LOCATION (City and State) Sanders Elliott Structural Engineering, LLC, Boca Raton, FL			
16. EDUCATION (Degree and Specialization) Bachelor of Engineering / Structural Engineering / 1970		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

## **19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
a. (1) TITLE AND LOCATION (City and State) Miscellaneous Water Treatment Plant Improvements - Phase III Coral Springs, FL	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2013
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Structural Engineer - Engineering services for the preliminary design, final design, permitting, bidding, and engineering services during construction for the third phase of miscellaneous improvements and modifications to the City of Coral Springs water treatment plant. The project cost is +/- \$3,000,000.		
b. (1) TITLE AND LOCATION (City and State) Design Build Services for Odor Control at the Wastewater Plant Pembroke Pines, FL	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Structural Engineer - Structural design for design/build of odor control and headworks improvements at the City of Pembroke Pines Wastewater Treatment Plant.		
c. (1) TITLE AND LOCATION (City and State) MBR System and RO System Improvements Key Largo, FL	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2016
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Structural Engineer - Design, permitting, bidding assistance, contract award assistance, and engineering services during construction for MBR System and RO System improvements. The final cost of this project was \$2,060,139.		
d. (1) TITLE AND LOCATION (City and State) Water Treatment Plant Improvements - Phase II Coral Springs, FL	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2011
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Structural Engineer - Engineering services for the preliminary design, final design, permitting, bidding phase, and engineering services during construction for the rehabilitation of the filters, piping modifications, chemical feed addition, and other general repair to an existing 16 MGD WTP. The project cost was \$2,123,000.		
e. (1) TITLE AND LOCATION (City and State) Rehabilitation of Mullins Water Booster Station Coral Springs, FL	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Structural Engineer - Structural engineering for the installation of new masonry wall, mezzanine, and new doors. The project cost was \$1,391,000.		

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

*(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*

20. EXAMPLE PROJECT KEY NUMBER

1

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

Miscellaneous Water Treatment Plant Improvements - Phase III  
Coral Springs, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
2013

CONSTRUCTION (if Applicable)  
2013

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

City of Coral Springs

b. POINT OF CONTACT NAME

Najla Zerrouki, P.E.

c. POINT OF CONTACT TELEPHONE NUMBER

954/345-2188

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

Eckler Engineering provided the evaluation, preliminary design, final design, bidding assistance and engineering services during construction for the Third phase of improvements to the City of Coral Springs existing 16.0 MGD lime softening Water Treatment facility. The improvements follow the recommendations of the 2006 Utility System Master Plan Update, prepared by Eckler Engineering. The general scope of improvements included: New high service pump station; new chemical storage and feed building (for Coagulant Aid, Hexametaphosphate, Ammonia and Fluoride); New plant wide SCADA system and fiber optic network; New electrical feeder, distribution and VFD's for the high service pump station; modifications to the existing sodium hypochlorite feed system to convert from positive displacement pumps to low pressure distribution; remodel of two story WTP administration building; yard piping improvements, civil site work, instrumentation and control systems and electrical.



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

a.	(1) FIRM NAME Eckler Engineering, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Coral Springs, FL	(3) ROLE Prime
b.	(1) FIRM NAME Avirom & Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Boca Raton, FL	(3) ROLE Surveyor
c.	(1) FIRM NAME Sanders Elliott Structural Engineering, LLC	(2) FIRM LOCATION <i>(City and State)</i> Boca Raton, FL	(3) ROLE Structural Engineer
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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

(Present as many projects as requested by the agency, or 10 projects, if not specified.  
Complete one Section F for each project.)

20. EXAMPLE PROJECT  
KEY NUMBER

2

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

Replacement of Raw Water Supply Wells 18, 19 and 20  
Coral Springs, FL

## 22. YEAR COMPLETED

PROFESSIONAL SERVICES  
2019

CONSTRUCTION (If applicable)  
2019

## 23. PROJECT OWNER'S INFORMATION

## a. PROJECT OWNER

City of Coral Springs

## b. POINT OF CONTACT NAME

Najla Zerrouki

## c. POINT OF CONTACT TELEPHONE NUMBER

954/345-2188

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

Design, permitting, bidding assistance, and services during construction for three replacement surficial aquifer wells. Eckler Engineering designed three new raw water supply wells due to a significant lack of water production. The project included relocating three raw water supply wells and approximately 1,500 feet of 12-inch and 8-inch ductile iron raw water main. The design components of the supply wells are comprised of drilling, wellheads, column pipe, pumps, control panels and electrical requirements. A preliminary design report was provided that included a geological survey of the proposed sites. Eckler Engineering also provided permitting assistance during the design phase. Hydrological field services and general construction evaluation and inspections were conducted by Eckler Engineering.

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

a.	(1) FIRM NAME Eckler Engineering, Inc.	(2) FIRM LOCATION (City and State) Coral Springs, FL	(3) ROLE Prime
b.	(1) FIRM NAME Avirom & Associates, Inc.	(2) FIRM LOCATION (City and State) Boca Raton, FL	(3) ROLE Surveyor
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

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

*(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*

20. EXAMPLE PROJECT KEY NUMBER

3

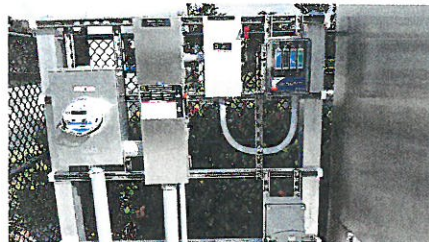
21. TITLE AND LOCATION <i>(City and State)</i> Rehabilitation of Lift Stations 14E, 17A, 17C, and 18C Coral Springs, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(if applicable)</i> 2017

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER City of Coral Springs	b. POINT OF CONTACT NAME Najla Zerrouki	c. POINT OF CONTACT TELEPHONE NUMBER 954/345-2188
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**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)***

Engineering services for the preliminary design, final design, permitting, bidding phase, and engineering services during construction or the rehabilitation of four (4) submersible wastewater lift stations. The rehabilitation included civil site, mechanical and electrical improvements. One of the lift station sites required a new onsite generator and wet well. Also included is the construction of approximately 4,200 LF of 4-10 inch force main. Construction cost was \$2,279,401.



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

a.	(1) FIRM NAME Eckler Engineering, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Coral Springs, FL	(3) ROLE Prime
b.	(1) FIRM NAME Avirom & Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Boca Raton, FL	(3) ROLE Surveyor
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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

(Present as many projects as requested by the agency, or 10 projects, if not specified.  
Complete one Section F for each project.)

20. EXAMPLE PROJECT  
KEY NUMBER

4

21. TITLE AND LOCATION (City and State)

MBR System and RO System Improvements  
Key Largo, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
2016CONSTRUCTION (If applicable)  
2016**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

North Key Largo Utility Corporation

b. POINT OF CONTACT NAME

Jeffrey Oeltjen

c. POINT OF CONTACT TELEPHONE NUMBER

305/367-7337

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

Eckler Engineering, Inc. was selected to provide engineering services for improvements to the NKLUC Reverse Osmosis Irrigation Water Production Facility and their Advanced Wastewater Treatment Plant. The project expanded the overall capacity of their Reverse Osmosis Irrigation Water Production Facility and upgraded the membrane bioreactors of the Advanced Wastewater Treatment Plant. The project addressed the following improvements:

**Reverse Osmosis Irrigation Water Production Facility:** Expansion of the capacity of all three existing RO skids by the addition of six new RO pressure vessels and energy recovery modules to each RO train; removal, replacement and upgrade of the RO System Motor Control Center; The work expanded the overall water production capacity from 1.274 MGD to 2.039 MGD with an overall pumping horsepower decrease from 375 to 352; completed Request for Industrial Wastewater Permit Exemption and UIC Permit Modification for Expansion of a Class V Injection Well System.

**Advanced Wastewater Treatment Plant:** maintenance removal and replacement of the existing submerged membrane units from MBR #1 and MBR #2; consolidation of the best existing membranes available into MBR #3 and MBR #4 in a single stack configuration of our submerged membrane units per MBR basin. This revision allowed re-purposing of MBR #3 and MBR #4 to function as peak flow treatment capacity or digester/thickening during average flow conditions; improvements to increase the solids concentration of the waste activated sludge hauled for off-site disposal from the original design concentration of approximately 1% to a revised concentration of 4%.

The cost of this project was \$2,139,000.

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

a.	(1) FIRM NAME Eckler Engineering, Inc.	(2) FIRM LOCATION (City and State) Coral Springs, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

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

(Present as many projects as requested by the agency, or 10 projects, if not specified.  
Complete one Section F for each project.)

20. EXAMPLE PROJECT  
KEY NUMBER

5

21. TITLE AND LOCATION (City and State)

Design Build Services for Odor Control at the Wastewater Plant  
Pembroke Pines, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
2015

CONSTRUCTION (If applicable)  
2015

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

Cardinal Contractors, Inc.

b. POINT OF CONTACT NAME

Michael Brandao

c. POINT OF CONTACT TELEPHONE NUMBER

954/587-0520

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

This was a design-build project that provided engineering services to improve parts of the existing wastewater facility. Eckler Engineering, Inc. was responsible for the structural, electrical, instrumentation and civil design associated with the incorporation of odor control and headworks building improvements. The scope of improvements for the odor control included a new two stage wet chemical scrubber system and new odor control misters. Improvements to the headworks building included removing and replacing bar screens, vortex grit separators, shaftless grit classifiers and wash presses. The scope of services also included analyzing hydraulic issues within the headworks building in terms of flow measurements through the system's parshall flumes.

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

a.	(1) FIRM NAME Eckler Engineering, Inc.	(2) FIRM LOCATION (City and State) Coral Springs, FL	(3) ROLE Prime
b.	(1) FIRM NAME Avirom & Associates, Inc.	(2) FIRM LOCATION (City and State) Boca Raton, FL	(3) ROLE Surveying
c.	(1) FIRM NAME Sanders Elliott Structural Engineering, LLC	(2) FIRM LOCATION (City and State) Boca Raton, FL	(3) ROLE Structural Engineering
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

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

20. EXAMPLE PROJECT KEY NUMBER

6

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

R. L. Pratt WTP Filter Rehabilitation  
Palm Springs, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
2014

CONSTRUCTION *(If applicable)*  
2014

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

Village of Palm Springs

b. POINT OF CONTACT NAME

Matt Hammond, P.E.

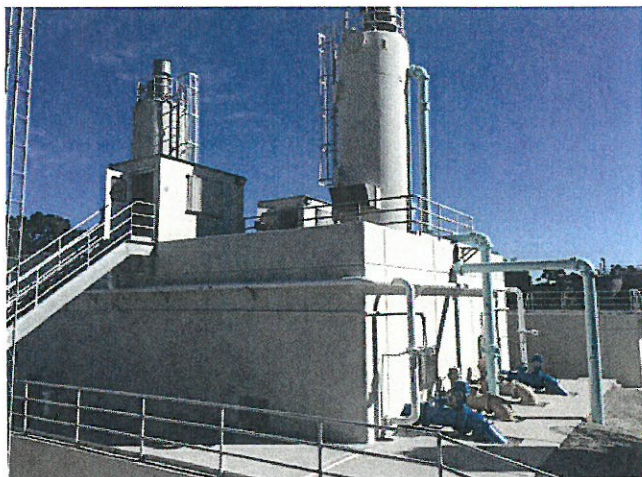
c. POINT OF CONTACT TELEPHONE NUMBER

561/641-3440

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

The existing filtration system had been in service for approximately 28 years and was in need of rehabilitation and upgrade. The lime softening treatment process created issues with backwashing of the existing filters. To resolve these issues, the existing nozzle style of underdrain system was replaced with a new lateral block style designed to control and equally distribute the backwash air and water supply. The rehabilitation required structural modifications to incorporate the new underdrain design.

The project also required the replacement of the air supply piping, sand and anthracite filter media, new washwater conveyance troughs and new filter backwash air supply blowers. Architectural improvements were also completed inclusive of filter structure interior and exterior coating.



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

a.	(1) FIRM NAME Eckler Engineering, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Coral Springs, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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

(Present as many projects as requested by the agency, or 10 projects, if not specified.  
Complete one Section F for each project.)

20. EXAMPLE PROJECT  
KEY NUMBER

7

21. TITLE AND LOCATION (City and State)

Rehabilitation of West and East Water Booster Station  
Coral Springs, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
2016CONSTRUCTION (If applicable)  
2016**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

City of Coral Springs

b. POINT OF CONTACT NAME

Najla Zerrouki

c. POINT OF CONTACT TELEPHONE NUMBER

954/345-2188

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

The project consisted of the rehabilitation of the existing East and West Water Booster Stations. The rehabilitation included the demolition of the existing mechanical and electrical components at the site, and the installation of new pumps, miscellaneous mechanical components, HVAC units, miscellaneous structural improvements, electrical improvements and instrumentation and controls. Cost: \$1,987,990

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

a.	(1) FIRM NAME Eckler Engineering, Inc.	(2) FIRM LOCATION (City and State) Coral Springs, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

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

(Present as many projects as requested by the agency, or 10 projects, if not specified.  
Complete one Section F for each project.)

20. EXAMPLE PROJECT  
KEY NUMBER

8

21. TITLE AND LOCATION (City and State)

Emergency Water Service Interconnect with Coral Springs  
Coconut Creek, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
2016CONSTRUCTION (If applicable)  
2016**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

City of Coconut Creek

b. POINT OF CONTACT NAME

Dennis Westrick

c. POINT OF CONTACT TELEPHONE NUMBER

954/545-6626

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

The interconnect included a series of gate valves and two flow meters to control, measure and bypass the flow. In order to connect the distribution system networks between the two cities, directional drilling technologies were utilized to install the ductile iron water main under State Road 7. The final construction cost was \$292,930.

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

a.	(1) FIRM NAME Eckler Engineering, Inc.	(2) FIRM LOCATION (City and State) Coral Springs, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

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

(Present as many projects as requested by the agency, or 10 projects, if not specified.  
Complete one Section F for each project.)

20. EXAMPLE PROJECT  
KEY NUMBER

9

21. TITLE AND LOCATION (City and State)

Wiles Road Reclaimed Water Main  
Coconut Creek, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
2018CONSTRUCTION (If applicable)  
2018**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

City of Coconut Creek

b. POINT OF CONTACT NAME

James Moore, P.E.

c. POINT OF CONTACT TELEPHONE NUMBER

954/973-6786

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

This project consists of the design of a reclaimed water distribution system. This project includes approximately 6,950 linear feet of 16-inch and 12-inch DIP and HDPE reclaimed water main. Directional drilling is required to install the HDPE pipe. This project is designed to provide irrigation to future connections.

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

a.	(1) FIRM NAME Eckler Engineering, Inc.	(2) FIRM LOCATION (City and State) Coral Springs, FL	(3) ROLE Prime
b.	(1) FIRM NAME Avirom & Associates, Inc.	(2) FIRM LOCATION (City and State) Boca Raton, FL	(3) ROLE Surveyor
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

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

20. EXAMPLE PROJECT KEY NUMBER

10

21. TITLE AND LOCATION *(City and State)*  
 SCADA System Improvements  
 Palm Springs, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
 2018

CONSTRUCTION *(if applicable)*  
 2018

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER  
 Village of Palm Springs

b. POINT OF CONTACT NAME  
 Matt Hammond, P.E.

c. POINT OF CONTACT TELEPHONE NUMBER  
 561/641-3440

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

Eckler Engineering provided the engineering services required for preparation of the design/build documents for improvements to the Village of Palm Springs' existing SCADA system. Engineering services included preparation of specifications and design intent drawings for the addition of one SCADA node HMI at the wastewater transmission system office and the addition of 24 additional RTU sites at three existing vacuum sanitary pumping stations and 21 submersible duplex sanitary pump stations. System design was based on Micrologic PLC, GE Transnet 900 radio, and VT SCADA by Trihedral.

The work is currently under construction and expected to be completed in 2018.

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

a.	(1) FIRM NAME Eckler Engineering, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Coral Springs, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

## G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

[illegible]

## 29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT <i>(From Section F)</i>	NO.	TITLE OF EXAMPLE PROJECT <i>(From Section F)</i>
1	Miscellaneous Water Treatment Plant Improvements - Phase III	6	R. L. Pratt WTP Filter Rehabilitation
2	Replacement of Raw Water Supply Wells 18, 19 and 20	7	Rehabilitation of West and East Water Booster Station
3	Rehabilitation of Lift Stations 14C, 14E, 17A, 17C, 18C, and 21C	8	Emergency Water Service Interconnect with Coral Springs
4	MBR System and RO System Improvements	9	Wiles Road Reclaimed Water Main
5	Design Build Services for Odor Control at the Wastewater Plant	10	SCADA System Improvements FY 2016-2021

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#### H. ADDITIONAL INFORMATION

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

Eckler Engineering has organized a staff to provide the professional engineering services required for the planning, design and construction services associated with the types of work generally defined by the categories outlined in the Request for Qualifications.

The person you will be working with throughout this project assignment is very important to the overall success of the project. The firm may have a significant number of trained, professional personnel but if the principal in charge is not able to access the skills and abilities of the support staff, then the large size of the firm is of no benefit. Eckler Engineering is a service oriented firm which takes pride in providing individual, personal service. Douglas K. Hammann, P.E. will be the Client Manager and your contact person throughout the project development. We have access to and have assembled a team of subconsultants for specialty needs as outlined in this submittal. The team of outside consultants is an advantage to the City in the undertaking of an assignment of this type. Each of these consultants brings their experience from work on other projects together into one united unit to develop the best possible projects for the City of Margate. The team we have assembled for this assignment is very capable of satisfying your goals and concerns for functional projects at a reasonable cost.

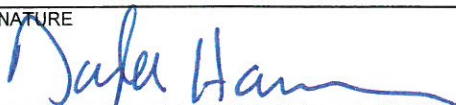
We believe that we have provided data on a variety of projects which show our capability of providing engineering services in all areas required to complete this assignment. We believe that this experience can be utilized to the benefit of the City when you select Eckler Engineering as your consultant for this assignment. Our large firm experience and small firm personal service will provide you with the best possible finished product which will be completed on time, within budget and with few construction delays or changes.

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#### I. AUTHORIZED REPRESENTATIVE

*The foregoing is a statement of facts.*

31. SIGNATURE



32. DATE


2/27/2018

33. NAME AND TITLE

Douglas K. Hammann, President

1. SOLICITATION NUMBER (If any)  
RFQ No. 2018-009

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

12. AUTHORIZED REPRESENTATIVE	
The foregoing is a statement of facts.	
a. SIGNATURE 	b. DATE 2/27/2018
c. NAME AND TITLE Douglas K. Hammann, P.E., President	

### OUR TEAM

Eckler Engineering, Inc. has assembled a project team that will work with the City of Margate to provide solutions to water and wastewater concerns. Our project team organization chart reflects the major areas of responsibility and activity including Project Management, Utility Infrastructure Design, Surveying, Electrical Engineering, Instrumentation/Controls, and Structural Engineering.

#### ECKLER ENGINEERING, INC.

**Douglas K. Hammann, P.E.** is the Principal Engineer for Eckler Engineering with 29 years of experience in the planning, design, permitting and construction administration of water, wastewater and reclaimed water projects for various municipal and private clients. These projects have included master planning, design, permitting and construction monitoring of water distribution systems, sanitary sewer collection and transmission systems, additions/rehabilitation of water treatment plants, and reclaimed water treatment and distribution systems.

**Omar Khan, P.E.** is a Project Manager for Eckler Engineering with 11 years of experience in design, permitting and construction administration of water, wastewater projects for numerous municipal clients in the South Florida region. These projects include master planning, design, permitting, and engineering services during construction for water and sewer infrastructure projects.

**Chase O. Dickinson, P.E.** is a Project Engineer for Eckler Engineering with 6 years of experience in design, permitting and assisting in the administration of engineering services during construction. Lastly, Mr. Dickinson has experience in hydraulic modeling and ArcGIS

#### ELECTRICAL DESIGN ASSOCIATES, INC.

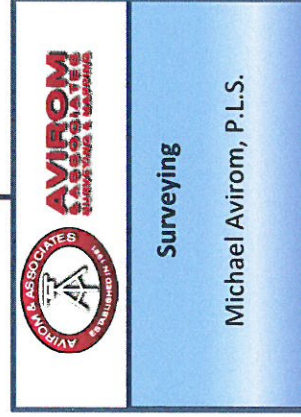
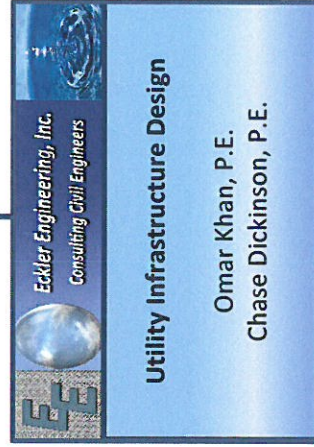
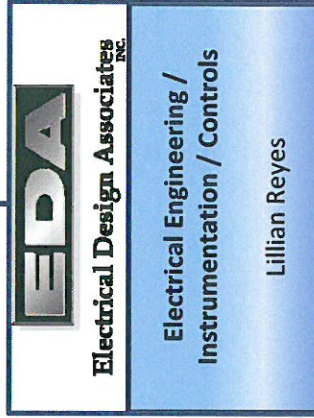
**Lillian M. Reyes, P.E.** is the chief electrical engineer for Electrical Design Associates, Inc. With over 24 years of experience Ms. Reyes has worked on various projects in the public and private sector. Ms. Reyes has experience in designing electrical power distribution for municipal systems, water and wastewater treatment facilities, above and below ground distribution systems, lighting systems for parks, roadway and industrial facilities, and security and fire alarm systems. Ms. Reyes project management responsibilities encompass preliminary and final design, cost estimating and construction/start-up services.

#### AVIROM & ASSOCIATES, INC.

**Michael D. Avirom, P.L.S.** established Avirom & Associates, Inc. in 1981. Mr. Avirom graduated with a Business Administration Degree from Florida Atlantic University in 1973. He worked for a large surveying firm for a number of years and became a Florida Registered Land Surveyor in 1979. His surveying expertise in boundary, aerial control, topography, bathymetric and construction layout distinguishes him as a respected professional in the industry. His business acumen has created the successful firm that Avirom & Associates is today.

#### SANDERS ELLIOTT STRUCTURAL ENGINEERING, LLC

**Gene S. Sanders, P.E.** has over 40 years of experience in structural design and construction of high rise buildings, large scale commercial buildings, industrial plants, marine structures and water/wastewater treatment/management systems. The water/wastewater treatment/management systems include filter structures, chlorine contact basins, lime softeners, chemical feed buildings, finish water clear wells, aeration structures, sludge thickeners, sludge digesters, backwash recovery basins, pump stations and other miscellaneous hydraulic structures.



Project Team Organizational Chart  
RFQ 2018-009  
Water and Wastewater General Engineering Services

## Years of Experience

29

## Education

ME, Environmental and  
Water Resources  
Engineering, Florida  
Atlantic University

BSCET, Civil  
Engineering, Southern  
Illinois University

AS, Architectural  
Technology, Rend Lake  
College

## Professional Registrations

Professional Engineer  
Florida, 1996  
Ohio - 2006

## Affiliations

ASCE Broward Branch  
Past President  
AWWA  
FWEA  
WEF

## Publications

WEF Committee to  
update EPA Manual  
Alternative Wastewater  
Collection Systems  
(EPA/625/1-91/024)

Evaluation of a Magnetic  
Ion Exchange Resin to  
meet DBP Regs at the  
Village of Palm Springs,  
Journal AWWA,  
February 2004, Volume  
96, Number 2

## Summary

Principal Engineer with 29 years of experience in the planning, design, permitting and construction administration of water, wastewater and reclaimed water projects for various municipal and private clients. These projects have included master planning, design, permitting and construction monitoring of water distribution systems, sanitary sewer collection and transmission systems, additions/rehabilitation of water treatment plants, and reclaimed water treatment and distribution systems.

## Project Experience

### Experience

**1989 - Present Eckler Engineering, Inc.**

#### RAW WATER SUPPLY

##### **Forest Hills Wellfield Rehabilitation, Coral Springs, FL**

Eckler Engineering provided the evaluation, preliminary design, final design, bidding assistance and engineering services during construction for the rehabilitation of the City of Coral Springs existing Forest Hills Wellfield. The project is the fourth phase of rehabilitation improvements to the City's existing raw water supply wells, per the recommendations of the Utility System Master Plan Update, Eckler Engineering 2006 and the Raw Water Supply System Evaluation Report, Eckler Engineering 2007. The general scope of improvements for this project include: Abandonment of three (3) existing surficial aquifer wells; drilling and development of two (2) 30" diameter, 180 feet depth surficial aquifer wells; casing cleaning, screen cleaning, casing lining and re-development of five (5) existing surficial aquifer wells; construction of new wellheads, pumping systems, controls, electrical and civil improvements for seven (7) well sites.

##### **Replacement Raw Water Supply Wells 3 and 4**

These two wells were over 30 years old and needed to be replaced because there were problems with the casing integrity. These wells were drilled and replaced with PVC casings and stainless steel screens. New pumps and motors, wellheads, electrical, controls and meters were also a part of the project.

#### POTABLE WATER TREATMENT/STORAGE

##### **Water Treatment Plant Improvements, Okeechobee Utility Authority**

Eckler Engineering is currently providing design services for surface water treatment plant improvements for the Okeechobee Utility Authority. The improvements currently under design includes the addition of a 3.0 MG prestressed concrete ground storage tank, new high service pumps, new transfer pumps, new backwash pumps, addition of a new gravity sludge thickener and improvements to the existing Actiflo system.

##### **Water Treatment Plant Softening Evaluation, Okeechobee Utility Authority**

Eckler Engineering provided engineering services to the Okeechobee Utility Authority associated with the evaluation of water softening equipment at their two existing water treatment plants. On-site pilot well testing of Ballasted Flocculation/Softening (Actiflo®) and Combination Cation/Anion exchange (MIEX Mico process) were completed. Eckler Engineering evaluated fluctuating water quality parameters inclusive of hardness, turbidity and color and compared water quality results with different water treatment processes. After gathering and analyzing data, Eckler Engineering recommended to incorporate an Actiflo® softening system at the ground water treatment plant. Other miscellaneous civil, mechanical, structural, electrical and instrumentation system improvements have also been

Project Experience cont'd

recommended. At the surface water treatment plant, Eckler Engineering recommended various modifications/upgrades to the existing Actiflo® softening system.

**Stock Island Pump Stations Design/Build Distribution and Back Pump Improvements, FKA**

Removal and replacement of existing potable water distribution pumps and drivers (electric and diesel) and ancillary items such as VFD's and engine controls. Other miscellaneous items addressed included: piping, valves and meter replacements; miscellaneous structural/architectural improvements; electrical and control modifications; and minor HVAC improvements. Project delivery method was design/build.

**MAWSS MIEX® Pretreatment System Review and Evaluation**

Evaluation and review for the implementation of a magnetic ion exchange (MIEX®) Pretreatment System, the existing Mobile Area Water and Sewer Systems, 30 MGD H. E. Meyers Water Filtration Facility, and 16 MGD E. M. Stickney Water Filtration Facility. The evaluations included the preparation of preliminary design documents and construction cost estimates.

**Reclamation of Nano Filtration Concentrate**

Feasibility evaluation and preliminary design recommendations for the incorporation of magnetic ion exchange (MIEX®) system for reduction of organic concentrations and color from nano filtration concentrate. The system was proposed for the reclamation of the concentrate and returning of the effluent stream to the City of Boca Raton's existing conventional lime softening filtration plant.

**7.5 MGD MIEX Pretreatment System**

Addition of a magnetic ion exchange MIEX Pretreatment System for removal of TOC from an Ohio River raw water supply upstream of the City of Portsmouth, Ohio's existing water filtration plant. Project completed using design/build delivery method.

**Rehabilitation of Water Treatment Plants**

Upgrading of the R. L. Pratt and Main Water Treatment Plants by adding a magnetic ion exchange (MIEX) system for the removal of TOC and the conversion of the gas chlorination system to a sodium hypochlorite feed system at the Village of Palm Springs. FICE Engineering Excellence Award Winner 2005. ACEC National Recognition Award, 2006.

**Miscellaneous Water Treatment Plant Improvements, Phase III, City of Coral Springs**

Eckler Engineering provided the evaluation, preliminary design, final design, bidding assistance and engineering services during construction for the Third phase of improvements to the City of Coral Springs existing 16.0 MGD lime softening Water Treatment facility. The improvements follow the recommendations of the 2006 Utility System Master Plan Update, prepared by Eckler Engineering. The general scope of improvements included: New high service pump station; new chemical storage and feed building (for Coagulant Aid, Hexametaphosphate, Ammonia and Fluoride); New plant wide SCADA system and fiber optic network; New electrical feeder, distribution and VFD's for the high service pump station; modifications to the existing sodium hypochlorite feed system to convert from positive displacement pumps to low pressure distribution; remodel of two story WTP administration building; yard piping improvements, civil site work, instrumentation and control systems and electrical.

**Miscellaneous Water Treatment Plant Improvements, Phase II, City of Coral Springs**

Demolition of the previously decommissioned clearwell, replacement of the four (4) existing tray aerators and rehabilitation of the existing aeration structure, construction of a new backwash water supply pump station with two (2) new variable speed vertical turbine filter backwash pumps, removal/replacement of four (4) vertical turbine filter effluent transfer pumps, removal/replacement of dewatering building roof, structural repair of steel column located in dewatering building, removal/replacement of two (2) drum belt vacuum filter systems, miscellaneous yard piping improvements, miscellaneous process instrumentation and controls, miscellaneous electrical work, sitework and restoration including but not limited to asphalt paving, concrete sidewalks, earthwork, grading, sodding, and site cleanup, surface preparation and painting including but not limited to interior and exterior surfaces, submerged steel and concrete, flooring, and piping.

**Three Water Booster Stations, City of Coral Springs**

Eckler Engineering, Inc. rehabilitated three (3) potable water boosters stations within the City of Coral Springs. The aging booster stations required new mechanical, electrical and instrumentation equipment along with miscellaneous civil site plan improvements. Each of the stations help sustain the design pressure within the distribution system.

Project Experience cont'd

**1.0 MGD Brackish Water R.O. WTP**

Design/build services for the completion of a 1.0 MGD brackish water reverse osmosis water treatment facility. This facility was incorporated into an existing site with an existing ground storage tank. The water is utilized for irrigation of the existing Lost Tree Golf Club.

**Water Treatment Plant Washwater Recovery Basin, City of Tamarac**

Construction of the addition of a new filter backwash recovery basin complete with two decant basins, washwater recovery pumping system, lime sludge removal pumping system, controls, electrical, and other miscellaneous improvements.

**Water Treatment Plant Clearwell Addition, City of Tamarac**

Construction of the addition of a new filter effluent clearwell complete with contact flow channels, transfer pumping system, backwash supply pumping system, controls, electrical, and other miscellaneous improvements.

**Miscellaneous Water Treatment Plant Improvements, City of Coral Springs**

Engineering services for the preliminary design, final design, permitting, bidding phase, and engineering services during construction for the rehabilitation of the filters, piping modifications, chemical feed addition, and other general repair to an existing 16 MGD WTP.

**New Lime Storage/Feed Facility, City of Coral Springs**

Replacement of existing lime slurry storage and feed facilities including new 200 ton lime storage silo, 3 lime slaking process trains, 3 lime slurry storage tanks, and 6 variable speed lime slurry feed pumps. This system is designed for the provision of lime slurry addition to 4 existing Accelerator softening units. The equipment and controls are located and configured within a new CMU structure at the Coral Springs Water Treatment Plant.

**Rehabilitation of Thickeners 1 and 2, City of Coral Springs**

Eckler Engineering provided the evaluation, preliminary design, final design, bidding assistance and engineering services during construction for the rehabilitation of two (2) existing lime sludge gravity thickeners. The two (2) existing 45 foot diameter, 12 foot SWD thickeners were experiencing operational issues due to torque related structural fatigue and age related maintenance. The overall scope of the project was the removal and replacement of the two (2) thickener equipment mechanisms. The proposed design included increase of the torque resistance capability of the rake mechanism, provision of additional maintenance access space to the thickener drive and lift components, new controls and general structural/architectural repairs.

**Master Plans**

Utility system master plans for water, wastewater, and reclaimed water facilities for the Cities of Coral Springs (2), Pompano Beach (2), Hillsboro Beach and Palm Springs (2), Florida.

**Big Cypress Water Repump Station**

A new 400,000 gallon ground storage tank, repump station and sodium hypochlorite feed system for the Seminole Tribe of Florida.

**Ground Storage Tanks**

Design, permitting and construction phases for prestressed concrete ground storage tanks for the Cities of Palm Springs (0.75 MG), Pompano Beach (2.0 MG), Lauderhill (3.0 MG), Coral Springs (2.5 MG), Tamarac (2.0 MG), and Sunrise (4.0 MG).

**POTABLE WATER DISTRIBUTION**

Water Distribution, Reclaimed Water Distribution, Wastewater Collection and Wastewater Transmission Systems

Various systems throughout South Florida totaling in excess of 1,200,000 linear feet of mains.

## WASTEWATER COLLECTION/TRANSMISSION

### **Cudjoe Regional Wastewater Transmission System for the Outer Islands**

This Design/Build project will convey wastewater from neighborhood lift stations located on Lower Sugarloaf Key, Ramrod Key, Little Torch Key and Big Pine Key to the Cudjoe Key Regional Wastewater Treatment Plant. The transmission system will consist of over nine miles of buried, slip-lined and horizontal directional drilled pipe. The system will also include eight bridge crossings and three, 10 foot diameter wet well master pump stations with biological odor control.

### **Sanitary Lift Stations**

Preliminary design reports, design, permitting and construction services for the rehabilitation of 250+ existing sanitary lift stations for the Cities of Coral Springs, Palm Springs, Delray Beach, Hypoluxo, Sunrise, and Pompano Beach, Florida.

### **Rehabilitation of Master Pump Station**

Design, permitting and construction phase for the Rehabilitation of Master Pump Station Number 21 for the City of Pompano Beach, Florida. Triplex wet pit/dry pit operation with an average daily influent flow of 3,600 GPM (5.0 MGD).

Water Distribution, Reclaimed Water Distribution, Wastewater Collection and Wastewater Transmission Systems  
Various systems throughout South Florida totaling in excess of 1,200,000 linear feet of mains.

## VACUUM SANITARY COLLECTION SYSTEMS

### **Islamorada Wastewater Collection and Transmission**

This Design/Build/Operate project will convert the Village of Islamorada's current wastewater collection system from septic tank treatment to vacuum sewer and low pressure systems. E/One grinder pumps and vacuum pump stations will serve over 2,000 equivalent dwelling units on Plantation Key and Lower Matecumbe Key. This system will convey wastewater from these service areas to the Key Largo Water Treatment District's Regional Treatment Plant.

### **Wastewater and Stormwater Management System Improvements**

Design/build project completed for the Ponte Vedra, Florida Municipal Service District under contract with JEA. Project consisted of 45,000 feet of vacuum main, 350 vacuum service pits, a vacuum pump station, and biological odor control for a high heat direct air system.

### **Vacuum Sanitary Collection System**

Vacuum sanitary collection system for the Town of Hypoluxo. This system included a vacuum pump station, 4,000 liner feet of various diameter vacuum mains, 50 vacuum pits for 72 connections and approximately 40 linear feet of force main.

### **Vacuum Sewer Extension**

The vacuum sewer extension for Nelson Drive and Prairie Lane. This system was an expansion to the previous YMCA Vacuum Sewer project. The expansion included 1,450 linear feet of vacuum main and 23 vacuum pits.

### **YMCA Vacuum Sewer System Improvements**

The YMCA Vacuum Sewer Project for the Village of Palm Springs. This system included a vacuum pump station, 25,000 linear feet of various size vacuum lines, 210 vacuum pits with approximately 400 connections.

### **Islamorada, Village of Islands, Florida, Middle Plantation Key Vacuum Collection System**

Provision of 30%, 60%, 90%, and QA/QC. Project review for Program Manager, Hazen and Sawyer. Review covered the vacuum collection system, vacuum station, and transmission system.

### **10th Avenue North Vacuum Sewer System**

This third vacuum sewer collection system for the Village of Palm Springs contains 13,500 linear feet of pipe and 162 vacuum valves for over 200 customers.

Project Experience cont'd

**Marilyn Drive Vacuum Sewer System**

The Marilyn Drive Vacuum Sewer Project for the Village of Palm Springs. This project included a vacuum pump station, 5,000 linear feet of various size vacuum mains, 42 vacuum pits for approximately 100 connections. The system is designed to be expanded to approximately 80 vacuum pits and 200 connections.

**Phillippi Creek Septic System Replacement Program**

This project was a hybrid of conventional gravity sewer, low pressure sewer and vacuum sewer. Eckler Engineering provided QA/QC for Area A consisting of approximately 25,000 linear feet of vacuum main and approximately 500 vacuum pits.

**Vacuum Sewer Collection System Service Area "B"**

This vacuum sewer collection system, located in Key Largo, Florida, included more than 60,000 linear feet of pipe, served in excess of 1,100 homes, and cost more than \$8.5 Million. The project was constructed in six phases and completed in 2010.

**Vacuum Sewer Collection System Service Areas "E" and "F"**

This vacuum sewer collection system, located in Key Largo, Florida, included more than 70,000 linear feet of pipe, served in excess of 1,250 homes, and cost \$7.5 Million. The project was constructed in eight phases and completed in 2010.

**Rockridge Vacuum Sewer System, Indian River County Utilities**

A vacuum sanitary sewer system designed for the collection of wastewater along the streets within the Rockridge Subdivision. This project required the construction of approximately 20,000 linear feet of vacuum sewer piping complete with approximately 210 valve chambers and all necessary surface restoration. The project also included a vacuum pump station and force main from the vacuum pump station to the force main system (along existing surveyed routes or cost must be modified). Plans for removing the existing low pressure system from service was also included.

**WASTEWATER TREATMENT**

**MBR System and RO System Improvements, North Key Largo Utility Corporation**

Removal and replacement of the submerged membrane units from existing membrane bioreactors 1 and 2. Consolidation of submerged membranes and repurposing existing membrane bioreactors 3 and 4 to function as peak flow treatment capacity or digester/thickening during average flow conditions. Overall capacity of the existing reverse osmosis (RO) irrigation water production facility was expanded from 1.274 MGD to 2.039 MGD. Six additional RO pressure vessels and isobaric energy recovery units were added to each RO train. This allowed the capacity increase of 60% with an overall pumping horsepower reduction of 6%. Project included engineering services to complete a major WWTP permit modification and modify the capacity of two Class V injection wells.

**Service Area 5 WWTP MBR Upgrade, Marathon, FL**

Removal and replacement of the submerged membrane units from three existing membrane bioreactor basins. Project included engineering services to complete a minor revision to the facility operation permit. Project completed using design/build delivery method.

**PSEN-13-03 Odor Control at the Wastewater Treatment Plant, City of Pembroke Pines**

This was a design-build project that provided engineering services to improve parts of the existing wastewater facility. Eckler Engineering, Inc. was responsible for the structural, electrical, instrumentation and civil design associated with the incorporation of odor control and headworks building improvements. The scope of improvements for the odor control included a new two stage wet chemical scrubber system and new odor control misters. Improvements to the headworks building included removing and replacing bar screens, vortex grit separators, shaftless grit classifiers and wash presses. The scope of services also included analyzing hydraulic issues within the headworks building in terms of flow measurements through the system's parshall flumes.

**Aerobic Sludge Digester**

Design, permitting and construction phases for a new primary sludge digester for South Broward Utility's existing wastewater treatment plant.

Project Experience cont'd

**Mariposa Development WWTP**

Project consisted of the preliminary design of a 3.0 MGD facility for the Mariposa Development in Putnam County. The facility included a low lift pump station, aerated equalization basin, headworks, membrane bioreactors, disinfection basin, IQ water pump station, aerobic digester, waste sludge pump station, blower/chemical building and odor control. Final design and construction not completed.

**RECLAIMED WATER**

**Effluent Reuse Facility**

A 2.5 MGD effluent reuse facility for the City of Pompano Beach, Florida. This project included filters, disinfection, pumping and a 2 MG ground storage tank which won the 1989 Portland Cement Association Award of Excellence for "Distinguished Architectural Treatment of Prestressed Concrete Tank Construction".

**Reclaimed Water Production Facility Expansion**

Expansion of existing 7.5 MGD facility to 17.5 MGD for the City of Boca Raton. The project was inclusive of new tertiary filtration, new NaOCl and coagulant storage/feed systems, contact basin modifications, new reclaimed water transfer pumps and demolition of existing facilities.

**Influent Screening Modifications, City of Pompano Beach Reuse Water Treatment Plant**

Removal and replacement of existing step screen(s) with new 3 mm perforated plate screen(s), new screenings washing compactor, modifications to existing channels to facilitate screen system revisions, new control systems and electric for the 7.5 MGD facility.

**Reclaimed Water Treatment Facility Expansion, City of Pompano Beach**

Expansion of existing 2.5 MGD facility to 7.5 MGD. The project was inclusive of new tertiary filters, new low head residential pump station, new chemical building, new 4.0 mg storage tank and support system improvements.

Water Distribution, Reclaimed Water Distribution, Wastewater Collection and Wastewater Transmission Systems  
Various systems throughout South Florida totaling in excess of 1,200,000 linear feet of mains.

**DESIGN/BUILD PROJECT DELIVERY**

**Stock Island Pump Stations Design/Build Distribution and Back Pump Improvements, FKAA**

Removal and replacement of existing potable water distribution pumps and drivers (electric and diesel) and ancillary items such as VFD's and engine controls. Other miscellaneous items addressed included: piping, valves and meter replacements; miscellaneous structural/architectural improvements; electrical and control modifications; and minor HVAC improvements. Project delivery method was design/build.

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Project Experience cont'd

**7.5 MGD MIEX Pretreatment System**

Addition of a magnetic ion exchange MIEX Pretreatment System for removal of TOC from an Ohio River raw water supply upstream of the City of Portsmouth, Ohio's existing water filtration plant. Project completed using design/build delivery method.

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**1.0 MGD Brackish Water R.O. WTP**

Design/build services for the completion of a 1.0 MGD brackish water reverse osmosis water treatment facility. This facility was incorporated into an existing site with an existing ground storage tank. The water is utilized for irrigation of the existing Lost Tree Golf Club.

**STUDIES/PLANS**

**Master Plans**

Utility system master plans for water, wastewater, and reclaimed water facilities for the Cities of Coral Springs (2), Pompano Beach (2), Hillsboro Beach and Palm Springs (2), Florida.

**Water Use Permits**

Water Use Permit Renewals with the South Florida Water Management District for the cities of Coral Springs, Tamarac, Palm Springs, Pompano Beach, and the North Key Largo Utility Corporation.

**1988 to 1988 Black and Veatch**

Mr. Hammann was a design engineer with the environmental division for land reclamation projects. His duties included access road design, site grading and drainage, embankment design, earthwork estimating and resident project representation.

# Omar Khan, P.E.



## Years of Experience

10

## Education

B.S.C.E., Florida Atlantic University, 2007

## Professional Registrations

Professional Engineer  
Florida, 2012

## Affiliations

ASCE

## Summary

Mr. Khan graduated from Florida Atlantic University in December 2007 and has been working with Eckler Engineering ever since. He has performed project engineering and managerial duties on a wide array of infrastructure improvement projects. Some of the projects include the rehabilitation of wastewater pump stations, new water mains, force and gravity sewer mains, booster station modifications, and Consumptive Use Permits.

## Project Experience

### 2007 - Present Eckler Engineering, Inc.

#### RAW WATER SUPPLY

##### **Forest Hills Wellfield Rehabilitation, Coral Springs, FL**

Eckler Engineering provided the evaluation, preliminary design, final design, bidding assistance and engineering services during construction for the rehabilitation of the City of Coral Springs existing Forest Hills Wellfield. The project is the fourth phase of rehabilitation improvements to the City's existing raw water supply wells, per the recommendations of the Utility System Master Plan Update, Eckler Engineering 2006 and the Raw Water Supply System Evaluation Report, Eckler Engineering 2007. The general scope of improvements for this project include: Abandonment of three (3) existing surficial aquifer wells; drilling and development of two (2) 30" diameter, 180 feet depth surficial aquifer wells; casing cleaning, screen cleaning, casing lining and re-development of five (5) existing surficial aquifer wells; construction of new wellheads, pumping systems, controls, electrical and civil improvements for seven (7) well sites.

#### POTABLE WATER TREATMENT/STORAGE

##### **Miscellaneous Water Treatment Plant Improvements, Phase III, City of Coral Springs**

Eckler Engineering provided the evaluation, preliminary design, final design, bidding assistance and engineering services during construction for the Third phase of improvements to the City of Coral Springs existing 16.0 MGD lime softening Water Treatment facility. The improvements follow the recommendations of the 2006 Utility System Master Plan Update, prepared by Eckler Engineering. The general scope of improvements included: New high service pump station; new chemical storage and feed building (for Coagulant Aid, Hexametaphosphate, Ammonia and Fluoride); New plant wide SCADA system and fiber optic network; New electrical feeder, distribution and VFD's for the high service pump station; modifications to the existing sodium hypochlorite feed system to convert from positive displacement pumps to low pressure distribution; remodel of two story WTP administration building; yard piping improvements, civil site work, instrumentation and control systems and electrical.

##### **Three Water Booster Stations, City of Coral Springs**

Eckler Engineering, Inc. rehabilitated three (3) potable water boosters stations within the City of Coral Springs. The aging booster stations required new mechanical, electrical and instrumentation equipment along with miscellaneous civil site plan improvements. Each of the stations help sustain the design pressure within the distribution system.

##### **Master Plans, City of Coral Springs**

Utility system master plans for water, wastewater, and reclaimed water facilities for the Cities of Coral Springs (2), Pompano Beach (2), Hillsboro Beach and Palm Springs (2), Florida.

Project Experience cont'd

**POTABLE WATER DISTRIBUTION**

**Miscellaneous Water Distribution System Improvements, City of Coral Springs**

Engineering services for the preliminary design, final design, permitting, bidding phase, and engineering services during construction for the installation of approximately 16,200 linear feet of new 12-inch and 16-inch transmission water mains.

**Emergency Water Service Interconnect with Coconut Creek and Coral Springs**

This project included the installation of 360 LF of 12" ductile iron water main, meters, and vaults connecting the water distribution system of the City of Coconut Creek and Coral Springs.

**Southwest Quadrant Downtown Water and Sewer Improvements, City of Coral Springs**

Engineering services for planning, design, permitting, and services during construction. Eckler Engineering designed approximately 1,200 feet of new 12-inch water main and 1,000 feet of 8-inch force main to provide the necessary utility improvements for the new Municipal Complex. A new sanitary lift station was also designed for the Municipal Complex. The construction cost was \$1,800,000.

**New Water Main on Sample Road, City of Coral Springs**

Engineering services for preliminary design, final design, permitting, bidding and services during construction. In an effort to increase water distribution capabilities throughout the City of Coral Springs' service area, Eckler Engineering was appointed the lead consultant in designing a new water main along Sample Road between Coral Hills Drive and University Drive. Additionally, as an add alternate to this project, a new water main was also designed along Coral Hills Drive from Sample Road to NW 31st Court. The project consisted of approximately 1,500 feet of 16-inch ductile iron water main along Sample Road and 950 feet of 12-inch ductile iron water main along Coral Hills. Eckler Engineering was responsible for construction services such as daily site evaluations and inspections. The construction cost was \$1,500,000.

**WASTEWATER COLLECTION/TRANSMISSION**

**Rehabilitation of Lift Stations 11B, 11C, 12D, 12E, 13A, 13B, 13C and 13D, City of Coral Springs**

Engineering services for planning, design, permitting, and services during construction. Eckler Engineering designed the rehabilitation of eight lift stations that required mechanical, electrical and civil upgrades. Four grinder stations were also designed and constructed within this project. The total project construction cost was \$1,678,000.

**Lift Station 21C Reconstruction and New Force Main, City of Coral Springs**

Engineering services for planning, design, permitting, and services during construction. Eckler Engineering designed approximately 1,400 feet of 8-inch and 10-inch force main to provide the necessary utility improvements and lower the horsepower required at Lift Station 21C. The entire lift station was demolished and replaced with new pumps, piping, valves, fittings, wet well, valve vault, electrical and instrumentation components and various civil upgrades. The total construction cost for this project was \$986,000.

**Rehabilitation of Lift Stations 14E, 17A, 17C, and 18C, City of Coral Springs**

Engineering services for planning, design, permitting, and services during construction. Eckler Engineering designed approximately 5,800 feet of new 4-inch and 8-inch force main to provide the necessary utility improvements for the aging infrastructure. The cost for the force main infrastructure improvements and the rehabilitation of the four lift stations was \$2,279,000.

**New Force Main on Sample Road, City of Coral Springs**

Engineering services for planning, design, permitting, and services during construction. Eckler Engineering designed a new force main along Sample Road between Coral Hills Drive and University Drive in response to the City's growing concern regarding aged transmission force mains. The project consisted of approximately 1,500 feet of 20-inch ductile iron force main as well as a right turn lane on Sample Road at NW 94th Avenue. Eckler Engineering was responsible for construction services such as daily site evaluations and inspections. The construction cost was \$1,500,000.

## STUDIES/PLANS

### Master Plans

Utility system master plans for water, wastewater, and reclaimed water facilities for the Cities of Coral Springs (2) and Palm Springs (2), Florida.

### Water Use Permits

Water Use Permit Renewals with the South Florida Water Management District for the cities of Coral Springs, Tamarac, and Palm Springs

### 2006 to 2007 Engineering Express

Mr. Khan was an engineering intern who assisted in the design of screen enclosures, wooden decks, docks and seawalls. His duties included wind load design, drafting, and structural loading calculations.

## Years of Experience

6

## Education

Bachelor of Science  
Civil Engineering  
Florida Atlantic University,  
2012

Master of Science  
Florida Atlantic University,  
2015

## Professional Registrations

Professional Engineer  
Florida, 2017

## Affiliations

ASCE  
Tau Beta Pi Engineering  
Honor Society

## Summary

Mr. Dickinson graduated from Florida Atlantic University in May 2012 and has been working with Eckler Engineering since October 2012. He has designed infrastructure improvement projects, performed project management duties and acted as a construction services representative. His advanced knowledge in Geographic Information Systems (GIS) has led Eckler Engineering to develop and expand its hydraulic modeling capabilities for water and wastewater systems.

## Project Experience

### 2012 - Present Eckler Engineering, Inc.

#### POTABLE WATER TREATMENT/STORAGE

##### **Miscellaneous Water Treatment Plant Improvements - Phase III, City of Coral Springs**

Eckler Engineering provided the evaluation, preliminary design, final design, bidding assistance and engineering services during construction for the Third phase of improvements to the City of Coral Springs existing 16.0 MGD lime softening Water Treatment facility. The improvements follow the recommendations of the 2006 Utility System Master Plan Update, prepared by Eckler Engineering. The general scope of improvements included: New high service pump station; new chemical storage and feed building (for Coagulant Aid, Hexametaphosphate, Ammonia and Fluoride); New plant wide SCADA system and fiber optic network; New electrical feeder, distribution and VFD's for the high service pump station; modifications to the existing sodium hypochlorite feed system to convert from positive displacement pumps to low pressure distribution; remodel of two story WTP administration building; yard piping improvements, civil site work, instrumentation and control systems and electrical. The construction cost for this project was \$7,451,000.

#### POTABLE WATER TRANSMISSION/DISTRIBUTION

##### **NW 110<sup>th</sup> Avenue Water Main Replacement, City of Coral Springs**

In response to the City's concern for operational issues associated with cast iron pipe in the distribution system, Eckler Engineering designed a new water main along NW 110th Avenue from Wiles Road to Sample Road. The project consisted of installing approximately 5,280 feet of 8-inch ductile iron pipe alongside the old cast iron main which was abandoned and grouted. There were five existing fire hydrants that were removed and replaced along with three new fire hydrants installed. The project also consisted of replacing forty-two water services that serve the surrounding neighborhood. Eckler Engineering provided site visit evaluations and field testing inspections during construction. The construction cost for this project was \$866,000.

##### **New Water Main on Sample Road, City of Coral Springs**

Engineering services for preliminary design, final design, permitting, bidding and services during construction. In an effort to increase water distribution capabilities throughout the City of Coral Springs' service area, Eckler Engineering was appointed the lead consultant in designing a new water main along Sample Road between Coral Hills Drive and University Drive. Additionally, as an add alternate to this project, a new water main was also designed along Coral Hills Drive from Sample Road to NW 31st Court. The project consisted of approximately 1,500 feet of 16-inch ductile iron water main along Sample Road and 950 feet of 12-inch ductile iron water main along Coral Hills. Eckler Engineering was responsible for construction services such as daily site evaluations and inspections. The construction cost was \$1,500,000.

Project Experience cont'd

**WASTEWATER COLLECTION/TRANSMISSION**

**Cudjoe Regional Wastewater Collection System Design Build Project for Outer Islands**

This is a \$90 Million design-build wastewater construction project. The project provides wastewater service to Lower Sugarloaf Key, Ramrod Key, Little Torch Key, and Big Pine Key. Eckler Engineering's portion of this project included the design of approximately 55,000 linear feet of transmission force main and four master repump stations.

**Wastewater System Facilities for Village of Islamorada**

This is a \$91 Million design-build wastewater construction project. The project provides wastewater service within the Village of Islamorada. Eckler Engineering's portion of this project included the design of the collection systems for Lower Matecumbe Key and South Plantation Key. This includes more than 100,000 linear feet of vacuum sewer pipe and 41,000 linear feet of low pressure force main pipe.

**North Hutchinson Island Septic Removal Project (St. Lucie County Utilities)**

This is a design-bid-build vacuum collection system project for the southern portion of North Hutchinson Island. The project involves converting the existing collection system from septic tanks to a central vacuum sewer collection system. Eckler Engineering is responsible for the design of over 44,500 linear feet of vacuum sewer pipe and the vacuum pump station.

**Odor Control at the Wastewater Treatment Plant, City of Pembroke Pines**

This is a design build project that provides engineering services to improve parts of the existing wastewater facility. Eckler Engineering, Inc. is responsible for the structural, electrical, instrumentation and civil design associated with the incorporation of odor control and headworks building improvements. The scope of improvements for the odor control include a new two stage wet chemical scrubber system and new odor control misters. Improvements to the headworks building include removing and replacing bar screens, vortex grit separators, shaftless grit classifiers and wash presses. The scope of services also includes analyzing hydraulic issues within the headworks building in terms of flow measurements through the system's parshall flumes.

**New Force Main on Sample Road, City of Coral Springs**

Engineering services for planning, design, permitting, and services during construction. Eckler Engineering designed a new force main along Sample Road between Coral Hills Drive and University Drive in response to the City's growing concern regarding aged transmission force mains. The project consisted of approximately 1,500 feet of 20-inch ductile iron force main as well as a right turn lane on Sample Road at NW 94th Avenue. Eckler Engineering was responsible for construction services such as daily site evaluations and inspections. The construction cost was \$1,500,000.

**Rehabilitation of Lift Stations 14E, 17A, 17C and 18C, City of Coral Springs**

Engineering services for planning, designing, permitting, and construction services. Eckler Engineering designed approximately 5,800 feet of new 4-inch and 8-inch force main to provide the necessary utility improvements for the aging infrastructure within the City. The cost for the force main infrastructure improvements and the rehabilitation of the lift stations was \$2,279,000.

**Long Key Wastewater Systems Design-Build, Florida Keys Aqueduct Authority**

This design-build project provided engineering services for a wastewater collection system for the eastern and western portions of Long Key located in the Florida Keys. It included the design of twenty-three grinder pump stations and over twenty-one miles of open-cut and directional drilled low pressure force main along US Highway 1. The construction cost was \$900,000.

**STUDIES/PLANS**

**Triennial Engineering Report for Water and Wastewater Systems FY2014-2016, City of Coral Springs**

Eckler Engineering prepared this report for the City of Coral Springs to evaluate the condition of the water and wastewater systems over a three year period. The report analyzed water production and use along with wastewater collection and transmission to evaluate the overall condition of the both systems.

Project Experience cont'd

**Water Distribution Model and Master Plan, City of Coral Springs**

Eckler Engineering prepared this report in response to service demand increases on the water system. The project modeled the water transmission and distribution network using ArcGIS and evaluated the hydraulic capacity with respect to current and future demands. The project also identified cast iron piping and recommended the required pipe sizes to replace the obsolete components. The final report included a phased Master Plan for recommended improvements to the existing water transmission and distribution system.

**Wastewater Transmission Model and Master Plan, City of Coral Springs**

Eckler Engineering prepared this report in response to force main piping system breaks, increase in horsepower requirements at lift stations and the results of localized force main integrity evaluations. The project modeled the wastewater transmission system using ArcGIS and evaluated the hydraulic capacity with respect to current and future service requirements. The project also included investigating the air release valves and isolation valves. The final report included a phased Master Plan for recommended improvements to the existing wastewater transmission system.

**Red Lichen Sanctuary Monitoring Reports, City of Coral Springs**

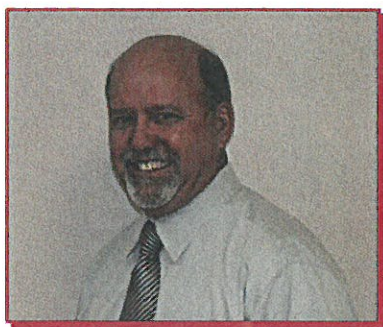
As required by the South Florida Water Management District's Water Use Permit requirements, the City of Coral Springs is obligated to submit a series of annual monitoring reports related to health of the Red Lichen Sanctuary. The reports evaluated the change in vegetation, water levels and wildlife habitats over the course of six years to determine whether raw water well pumping affected the sanctuary. Eckler Engineering was responsible for preparing the reports, analyzing the findings and submitting the required documentation to the South Florida Water Management District.

**2012 - 2012 - Hazen and Sawyer**

**North Regional Wastewater Treatment Plant (NRWWTP) Monitoring Well for Broward County**

This project included the construction of a single monitoring well as part of the NRWWTP expansion project. This project included design and permitting services as well as construction administration services. It was completed in 2012.

# Avirom & Associates, Inc.



## Michael D. Avirom

Professional Land Surveyor / LS3268 / Florida  
Principal

Years with Avirom & Associates: 35

Total Years of Experience: 43

### *Education*

1973 / Bachelor of Business Administration

1976 / Associates in Science / Land Surveying

1971 / Associate in Arts

### *Professional Experience*

Michael D. Avirom established Avirom & Associates, Inc. in 1981. Mr. Avirom graduated with a Business Administration Degree from Florida Atlantic University in 1973. He worked for a large surveying firm for a number of years and became a Florida Registered Land Surveyor in 1979. Michael launched his own company in 1981. His surveying expertise in boundary, aerial control, topography, bathymetric and construction layout distinguishes him as a respected professional in the industry. His business acumen has created the successful firm that Avirom & Associates is today.

Michael is a member of the Florida Society of Professional Land Surveyors and National Society of Professional Land Surveyors.

### *Professional Projects*

*Delray Beach Historical Society* – topographic and tree survey

*Delray Beach Old School Square Garage and Park Site* – condo exhibits in accord with Florida Statute 61B-18.002; condo exhibits for entire garage

*Delray Beach Fire Station #3* – boundary, topographic and tree survey

*Delray Beach Pineapple Grove Pocket Park* – boundary and topographic survey

*City of Delray Beach* - boundary surveys; topographic surveys; sketch and legal descriptions; construction services such as layouts and staking

*Boynton Beach CRA* - topographic and boundary survey

*Palm Beach Force Main Replacement Project* - Survey layout and as-builts; prepare record drawings

*North Ocean Boulevard Seawall Replacement* - route-of-line, coastal construction control line, mean high water line survey; construction services



**50 SW 2<sup>nd</sup> Avenue, Suite 102, Boca Raton, Florida 33432**



## *Electrical Design Associates*

### **Lillian M. Reyes, P.E.**

#### **Professional Record**

Ms. Reyes is the chief electrical engineer for Electrical Design Associates, Inc. Ms. Reyes is experienced in designing electrical power distribution for municipal systems, water and wastewater treatment facilities, above and below ground distribution systems, lighting systems for parks, roadway, and industrial facilities, security and fire alarm systems for commercial and government buildings, manufacturing facilities, computer rooms, schools, hospitals and residential dwellings. Ms. Reyes project management responsibilities encompass preliminary and final design, cost estimating, and construction/start-up services.

#### ***Experience:***

Ms. Reyes has 24 years of experience in electrical design for various projects with the private and public sector. Ms. Reyes was the project manager, in responsible charge, for all electrical design concerns for the following projects:

- Cudjoe Regional Wastewater Collection System Improvements – Inner Islands  
Florida Keys Aqueduct Authority, Florida
- Cudjoe Regional Wastewater Collection System Improvements – Outer Islands  
Florida Keys Aqueduct Authority, Florida
- Floridian Aquifer Raw Water Well #7  
North Key Largo, Florida
- Duck Key Utility Improvements  
Florida Keys Aqueduct Authority, Florida
- Cudjoe Master Lift Stations  
Florida Keys Aqueduct Authority, Florida
- Duck Key Water Storage & Pumping Facility  
Florida Keys Aqueduct Authority, Florida

#### ***Academic Credentials:***

Bachelors of Science in Electrical Engineering  
Florida Atlantic University, 1988

Professional Engineer – Florida 50780

#### ***Employment Record:***

- 1998-Present - Electrical Design Associates, Inc.  
Owner/President,  
Electrical Engineer
- 1996-1999 - Bailey Engineering Consultants, Inc.,  
Electrical Engineer
- 1989-1996 - IBM Corporation  
Senior Associate Engineer
- 1988-1989 - Brabham Debay and Associates, Inc.  
Electrical Engineer

#### ***Principal Areas of Expertise:***

Electrical Design of Power Distribution, Lighting, Security and Fire Alarm Systems for Environmental, Municipal and Commercial Projects

Electrical Cost Estimating

#### ***Professional Activities:***

Florida Engineering Society (FES)  
Illuminating Engineering Society (IES)  
National Fire Protection Association (NFPA)

**GENE S. SANDERS, P.E.**  
**Structural Engineer**



**Summary**

Mr. Sanders has over 40 years of experience in structural design and construction of high rise buildings, large scale commercial buildings, industrial plants, marine structures and water/wastewater treatment/management systems. The water/wastewater treatment/management systems include filter structures, chlorine contact basins, lime softeners, chemical feed buildings, finish water clear wells, aeration structures, sludge thickeners, sludge digesters, backwash recovery basins, pump stations and other miscellaneous hydraulic structures.

**Relevant Experience with Eckler Engineering, Inc.**

Village of Palm Springs Main Water Treatment Plant  
Phases I and II

Village of Palm Springs, RL Pratt Water Treatment Plant  
Phases I and II

Coral Springs Water Treatment Plant Improvements  
Phases II and Phase III

Coral Springs Water Treatment Plant Sodium Hypochlorite and  
Finished Water Storage

Coral Springs Forest Hills Wellfield

Coral Springs Lime Preparation Building

Coral Springs Thickeners 1 and 2

Tamarac Water Treatment Plant Clearwell

Tamarac Water Treatment Plant Washwater Recovery

Tamarac Water Treatment Plant Ground Storage Tank and High  
Service Pump Station

Village of Palm springs Vacuum Pump Stations (3)

Ponte Vedra Vacuum Pump Station

Rockridge Vacuum Pump Station

Waterside Pointe Vacuum Pump Station

Key Largo Vacuum Pump Stations (2)

**Education**

University of Canterbury  
Christchurch, New Zealand

Bachelor of Engineering (Civil) 1970

Major in Structural Analysis and  
Fluid Mechanics

**Registration**

Professional Engineer:  
Florida, Massachusetts, Georgia,  
New Zealand (previously)

Special Inspector of Threshold  
Buildings: Florida - No. 227

**Affiliations**

Florida Engineering Society (FES)

American Society of Civil Engineers  
(ASCE)

National Society of Professional  
Engineers (NSPE)

Florida Institute of Consulting  
Engineers (FICE)

American Consulting Engineers  
Council (ACEC)

Southern Building Code Congress  
International (SBCCI)

American Concrete Institute (ACI)

Construction Specifications Institute  
(CSI)

American Society for Testing  
Materials (ASTM)

Member SFBC of Broward County

Wind Design Requirements  
Subcommittee

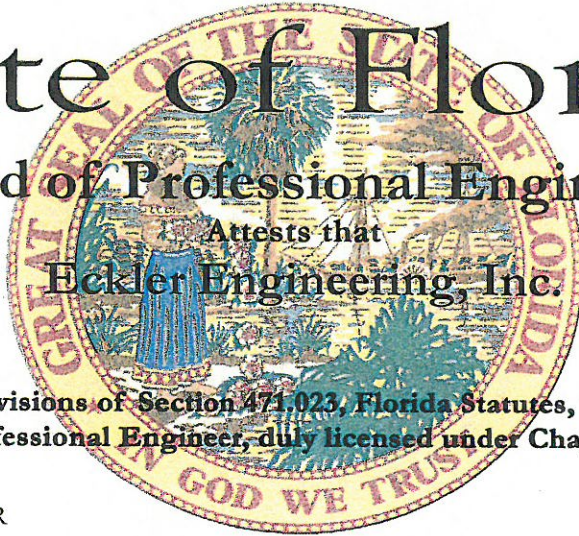
Past President ACI - South Florida  
Chapter

Member ASCE Standards

# State of Florida

## Board of Professional Engineers

Attests that  
**Eckler Engineering, Inc.**



**FBPE**  
FLORIDA BOARD OF  
PROFESSIONAL ENGINEERS

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

Expiration: 2/28/2019

Audit No: 228201902282 R

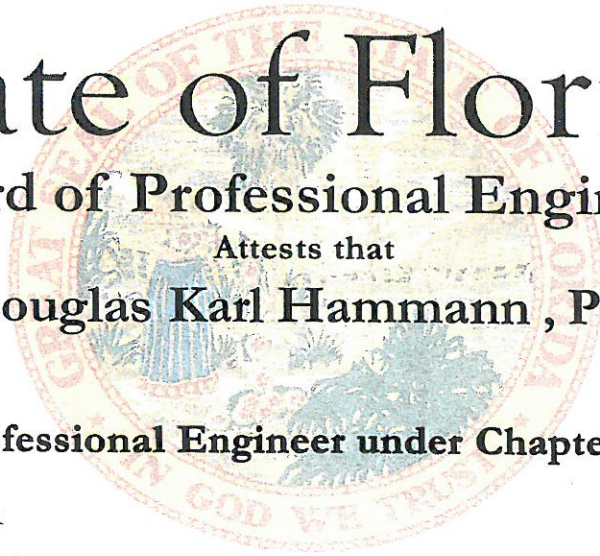
CA Lic. No:

7803

# State of Florida

## Board of Professional Engineers

Attests that  
**Douglas Karl Hammann, P.E.**



**FBPE**  
FLORIDA BOARD OF  
PROFESSIONAL ENGINEERS

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2019

Audit No: 228201913677 R

P.E. Lic. No:

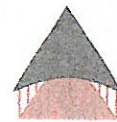
50589

# State of Florida

## Board of Professional Engineers

Attests that

**Omar Khan, P.E.**



**FBPE**  
FLORIDA BOARD OF  
PROFESSIONAL ENGINEERS

**Is licensed as a Professional Engineer under Chapter 471, Florida Statutes**

**Expiration: 2/28/2019**

**Audit No: 228201932767 R**

**P.E. Lic. No:**

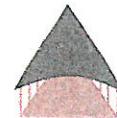
**75524**

# State of Florida

## Board of Professional Engineers

Attests that

**Chase Ora Dickinson, P.E.**



**FBPE**  
FLORIDA BOARD OF  
PROFESSIONAL ENGINEERS

**Is licensed as a Professional Engineer under Chapter 471, Florida Statutes**

**Expiration: 2/28/2019**

**Audit No: 228201934585 I**

**P.E. Lic. No:**

**83325**



**Electrical Design Associates**  
INC.

**PROFESSIONAL LICENSES**

**State of Florida**

**Board of Professional Engineers**

Attests that

**Electrical Design Associates, Inc.**

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

Expiration: 2/28/2019

Audit No: 228201900885 R



**FBPE**  
FLORIDA BOARD OF  
PROFESSIONAL ENGINEERS

CA Lic. No:

**8079**

**State of Florida**

**Board of Professional Engineers**

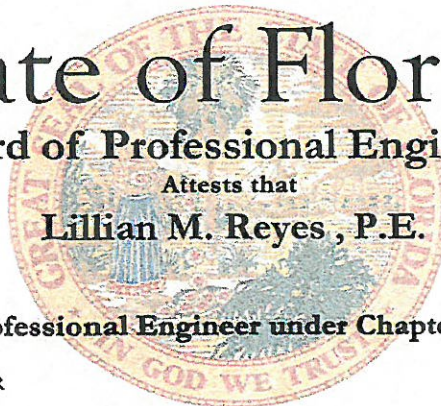
Attests that

**Lillian M. Reyes, P.E.**

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2019

Audit No: 228201907834 R



**FBPE**  
FLORIDA BOARD OF  
PROFESSIONAL ENGINEERS

P.E. Lic. No:

**50780**

# State of Florida

## Board of Professional Engineers

Attests that

**Gene Stuart Sanders , P.E.**



**Is licensed as a Professional Engineer under Chapter 471, Florida Statutes**

**Expiration: 2/28/2019**

**Audit No: 228201927750 R**

**P.E. Lic. No:**

**26590**

# State of Florida

## Board of Professional Engineers

Attests

**Sanders Elliott Structural Engineering LLC**

Has satisfied the requirements of Section 471.023, Florida Statutes. In recognition thereof, the Board of Professional Engineers hereby authorizes this firm to offer engineering services in the State of Florida in accordance with Chapter 471, Florida Statutes, and the rules of the Board.



Certificate of  
Authorization No:  
30089

Witness the Seal of the Board and the  
Signature of the Board's duly authorized Chair  
this 20 day of November, 2012.



*John C. Bunk*  
Chair, Board of Professional Engineers



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

License No.: **LB3300**

Expiration Date February 28, 2019

### Professional Surveyor and Mapper Business License

Under the provisions of Chapter 472, Florida Statutes

**AVIROM & ASSOCIATES INC**  
50 SW 2ND AVE #102  
BOCA RATON, FL 33432-4799

ADAM H. PUTNAM  
COMMISSIONER OF AGRICULTURE

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



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

License No.: **LS3268**

Expiration Date February 28, 2019

### Professional Surveyor and Mapper License

Under the provisions of Chapter 472, Florida Statutes

**MICHAEL DAVID AVIROM**  
50 SW 2ND AVENUE  
BOCA RATON, FL 33432

ADAM H. PUTNAM  
COMMISSIONER OF AGRICULTURE

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

OFFEROR'S CERTIFICATION

WHEN OFFEROR IS A CORPORATION

IN WITNESS WHEREOF, the Offeror hereto has executed this Proposal Form this 27th day of February, 2018.

Eckler Engineering, Inc.  
Printed Name of Corporation

Florida  
Printed State of Incorporation

By: Douglas K. Hammann  
Signature of President or other authorized officer

(CORPORATE SEAL)

Douglas K. Hammann  
Printed Name of President or other authorized officer

ATTEST:  
By Douglas K. Hammann  
Secretary

4700 Riverside Drive, Suite 110  
Address of Corporation  
Coral Springs, FL 33067  
City/State/Zip  
954/510-4700  
Business Phone Number

State of Florida

County of Broward

The foregoing instrument was acknowledged before me this 27th day of February,

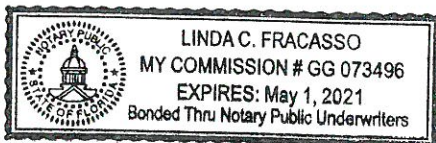
2018, by Douglas K. Hammann (Name), President (Title) of

Eckler Engineering, Inc. (Company Name) on behalf of the corporation, who is personally known to me or who has produced as identification and who ~~did~~ (did not) take an oath.

WITNESS my hand and official seal.

Linda C. Fracasso  
NOTARY PUBLIC

Linda C. Fracasso  
(Name of Notary Public: Print, Stamp, or type as Commissioned)



OFFEROR'S  
QUALIFICATION STATEMENT

The undersigned certifies under oath the truth and accuracy of all statements and of all answers to questions made hereinafter:

SUBMITTED TO: City of Margate (Purchasing Manager)

ADDRESS: 5790 Margate Boulevard  
Margate, Florida 33063

CIRCLE ONE

SUBMITTED BY: Eckler Engineering, Inc.

NAME: Douglas K. Hammann

ADDRESS: 4700 Riverside Dr., Ste. 110, Coral Springs

PRINCIPAL OFFICE: Same

Corporation

Partnership

Individual

Other

1. State the true, exact, correct and complete name of the partnership, corporation, trade or fictitious name under which you do business and the address of the place of business. Eckler Engineering, Inc., 4700 Riverside Drive, Suite 110, Coral Springs, FL 33067

The correct name of the Offeror is: Eckler Engineering, Inc.

The address of the principal place of business is:

4700 Riverside Drive, Suite 110, Coral Springs, FL 33067

2. If Offeror is a corporation, answer the following:

a. Date of Incorporation: April 28, 1997

b. State of Incorporation: Florida

c. President's name: Douglas K. Hammann

d. Vice President's name: Douglas K. Hammann

e. Secretary's name: Douglas K. Hammann

f. Treasurer's name: Douglas K. Hammann

g. Name and address of Resident Agent: Douglas K. Hammann  
4700 Riverside Drive, Suite 110, Coral Springs, FL 33067

3. If Offeror is an individual or a partnership, answer the following: N/A
- a. Date of organization:
  - b. Name, address and ownership units of all partners:
  - c. State whether general or limited partnership:
4. If Offeror is other than an individual, corporation or partnership, describe the organization and give the name and address of principals: N/A
5. If Offeror is operating under a fictitious name, submit evidence of compliance with the Florida Fictitious Name Statute. N/A

6. How many years has your organization been in business under its present business name? 33

a. Under what other former names has your organization operated?

7. Indicate registration, license numbers or certificate numbers for the businesses or professions which are the subject of this RFQ. Please attach certificate of competency and/or state registration.

CA 7803, 50589 - Board of Professional Engineers

Corporate No. P97000038740

LB3300, LS3268 - Board of Professional Surveyors and Mappers

CA 8079, 50780 - Board of Professional Engineers

CA 30089, 26590 - Board of Professional Engineers

8. Have you ever failed to complete any work awarded to you? If so, state when, where and why? No

THE OFFEROR ACKNOWLEDGES AND UNDERSTANDS THAT THE INFORMATION CONTAINED IN RESPONSE TO THIS QUALIFICATIONS STATEMENT SHALL BE RELIED UPON BY OWNER IN AWARDING THE CONTRACT AND SUCH INFORMATION IS WARRANTED BY OFFEROR TO BE TRUE. THE DISCOVERY OF ANY OMISSION OR MISSTATEMENT THAT MATERIALLY AFFECTS THE OFFEROR'S QUALIFICATIONS TO PERFORM UNDER THE CONTRACT SHALL CAUSE THE OWNER TO REJECT THE PROPOSAL, AND IF AFTER THE AWARD TO CANCEL AND TERMINATE THE AWARD AND/OR CONTRACT.

(Signature) Douglas K. Hamann

State of Florida

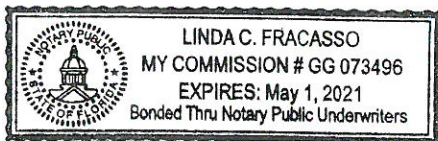
County of Broward

The foregoing instrument was acknowledged before me this 27th day of February, 2018, by Douglas K. Hamann, who is personally known to me or who has produced \_\_\_\_\_ as identification and who ~~did~~ (did not) take an oath.

WITNESS my hand and official seal.

Linda C. Fracasso  
NOTARY PUBLIC

Linda C. Fracasso  
(Name of Notary Public: Print, Stamp, or Type as Commissioned)





NON-COLLUSIVE AFFIDAVIT FOR RFQ 2018-009

State of Florida )

County of Broward ) ss:

Douglas K. Hammann, being first duly sworn,  
deposes and says that:

He/she is the Owner (Owner, Partner, Officer, Representative or Agent) of Eckler Engineering, Inc.  
the Offeror that has submitted the attached Proposal;

He/she is fully informed regarding the preparation and contents of the attached  
Proposal and of all pertinent circumstances regarding such Proposal;

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

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

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

Signed, sealed and delivered in the presence of:

[Signature]  
Witness

[Signature]  
Witness

By: [Signature]

Douglas K. Hammann  
Printed Name  
President  
Title

ACKNOWLEDGMENT  
NON-COLLUSIVE AFFIDAVIT FOR RFQ 2018-009

State of Florida                     )  
  ) ss:  
County of Broward             )

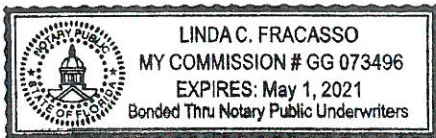
BEFORE ME, this 27th day of <sup>February</sup> 2018, personally appeared Douglas K. Hammann  
\_\_\_\_\_, (Name(s) of individual(s) who appeared before notary),  
and who ~~did~~ did not take an oath, and acknowledged before me that he/she/it  
executed same.

WITNESS my hand and official seal.

*Linda C. Fracasso*

Linda C. Fracasso  
\_\_\_\_\_  
Notary Public  
State of Florida at Large

My commission expires: May 1, 2021



ACORD™

Client#: 1048604

ECKLEENG

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

1/02/2018

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

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

<b>PRODUCER</b> <b>USI Insurance Services, LLC</b> <b>1715 N. Westshore Blvd. Suite 700</b> <b>Tampa, FL 33607</b> <b>813 321-7500</b>		<b>CONTACT NAME:</b> <b>PHONE (A/C, No, Ext): 813 321-7500</b> <b>FAX (A/C, No):</b> <b>E-MAIL ADDRESS:</b>	
		<b>INSURER(S) AFFORDING COVERAGE</b>	<b>NAIC #</b>
		<b>INSURER A : Old Dominion Insurance Co</b>	<b>40231</b>
		<b>INSURER B : Travelers Casualty and Surety Company</b>	<b>19038</b>
		<b>INSURER C : XL Specialty Insurance Company</b>	<b>37885</b>
		<b>INSURER D :</b>	
		<b>INSURER E :</b>	
		<b>INSURER F :</b>	

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

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

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:	X		BPG1074A	11/27/2017	11/27/2018	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$500,000 MED EXP (Any one person) \$5,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY	X		BPG1074A	11/27/2017	11/27/2018	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$			CUG1074A	11/27/2017	11/27/2018	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000 \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory In NH) If yes, describe under DESCRIPTION OF OPERATIONS below		X	UB5980Y331	05/01/2017	05/01/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
C	Professional Liability			DPR9920793	01/01/2018	01/01/2019	\$2,000,000 per Claim \$2,000,000 Annl Aggr.

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

Professional Liability coverage is written on a claims-made basis.

## CERTIFICATE HOLDER

For Proposal Purposes

## CANCELLATION

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

AUTHORIZED REPRESENTATIVE

*[Signature]*

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## ACKNOWLEDGEMENT FORM

### ADDENDUM NO. 1

#### RFQ NO. 2018-009 WATER AND WASTEWATER GENERAL ENGINEERING SERVICES

I acknowledge receipt of Addendum No. 1 for RFQ No. 2018-009, Water and Wastewater General Engineering Services. This addendum contains four (4) pages. Please include the original of this form in your qualifications submission.

Company Name: Eckler Engineering, Inc.

Address: 4700 Riverside Drive, Suite 110, Coral Springs, FL 33067

Name of Signer Douglas K. Hammann  
(please print)

Signature:  Date: February 22, 2018

Telephone: 954/510-4700 Facsimile: 954/755-2741

Please fax your completed form to (954) 935-5258 or e-mail to [purchase@margatefl.com](mailto:purchase@margatefl.com).

  
Spencer Shambray, CPPB  
Purchasing Manager  
2/22/2018

NOTE: The original of this form must be included with your qualifications submission.