

March 28, 2018

Mr. David Sermack, Purchasing Agent  
City of Key West  
1300 White Street  
Key West, Florida 33040

RE: Response to RFQ #18-002 Professional Surveying Services

Reece & White Land Surveying, Inc. doing business as Reece & Associates and referred to as such hereafter is pleased to submit our firms response the City of Key West's Request for Qualifications for Professional Surveying and Mapping Services throughout the City of Key West.

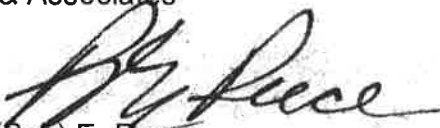
Mr. Robert E. Reece, our founder and director has been Surveying and Mapping in the Florida Keys since 1995. From the beginning, our reputation has been built on repeat business and client references. Over the years, we have established relationships with local developers to complete large and small scale boundary, topographic & mean high water line surveys, elevation certificates, establish benchmarks, roof peak letters and as-builts. We have also established relationships with Monroe County and the City of Marathon to complete boundary & topographic surveys and route surveys for utility design and installation. We work with realtors to complete boundary surveys & elevation certificates for home purchases. Our firm has been successful in retaining client relationships, some as long as 10 years, due to our team being committed to providing personalized service, economical estimates, meeting or exceeding timelines, and providing a quality survey that complies with all state statutes and local requirements.

Reece & Associates prides itself on staying current with technology and retaining professionals to continue to provide for our clients growing needs. We have successfully recruited graduates from the University of Florida Geomatics Program. We utilize both the Florida Department of Transportation's(FDOT's) Florida Permanent Reference Network(FPRN) and the Trimble Network for Real-Time Kinematic(RTK) GPS work. We are also equipped to complete static GPS work. When GPS surveying is not applicable, we also provide conventional surveying and mapping methods of leveling and traversing depending on each projects particular scope and tolerances.

We recognize that City's survey needs are dynamic and our firms involvement will take many forms, utilizing different technologies to complete the required task. Once the scope of service is developed, our Project Manager, Kris Beal will prepare a project plan outlining approach, schedule, and key staff required to complete the task. Staff will coordinate field work completion, drafting, complete a quality control review, and coordinate final delivery to the City of Key West.

Reece & Associates submits the following information detailing our skills, expertise, and desire to build a relationship with the City of Key West. Please feel free to contact Bob Reece, Director, or Kristine Beal, President at (305)872-1348.

Respectfully Submitted,  
Reece & Associates



Robert(Bob) E. Reece  
Professional Surveyor and Mapper, LS#5632  
Director of Reece & Associates

Our sole office is located at:

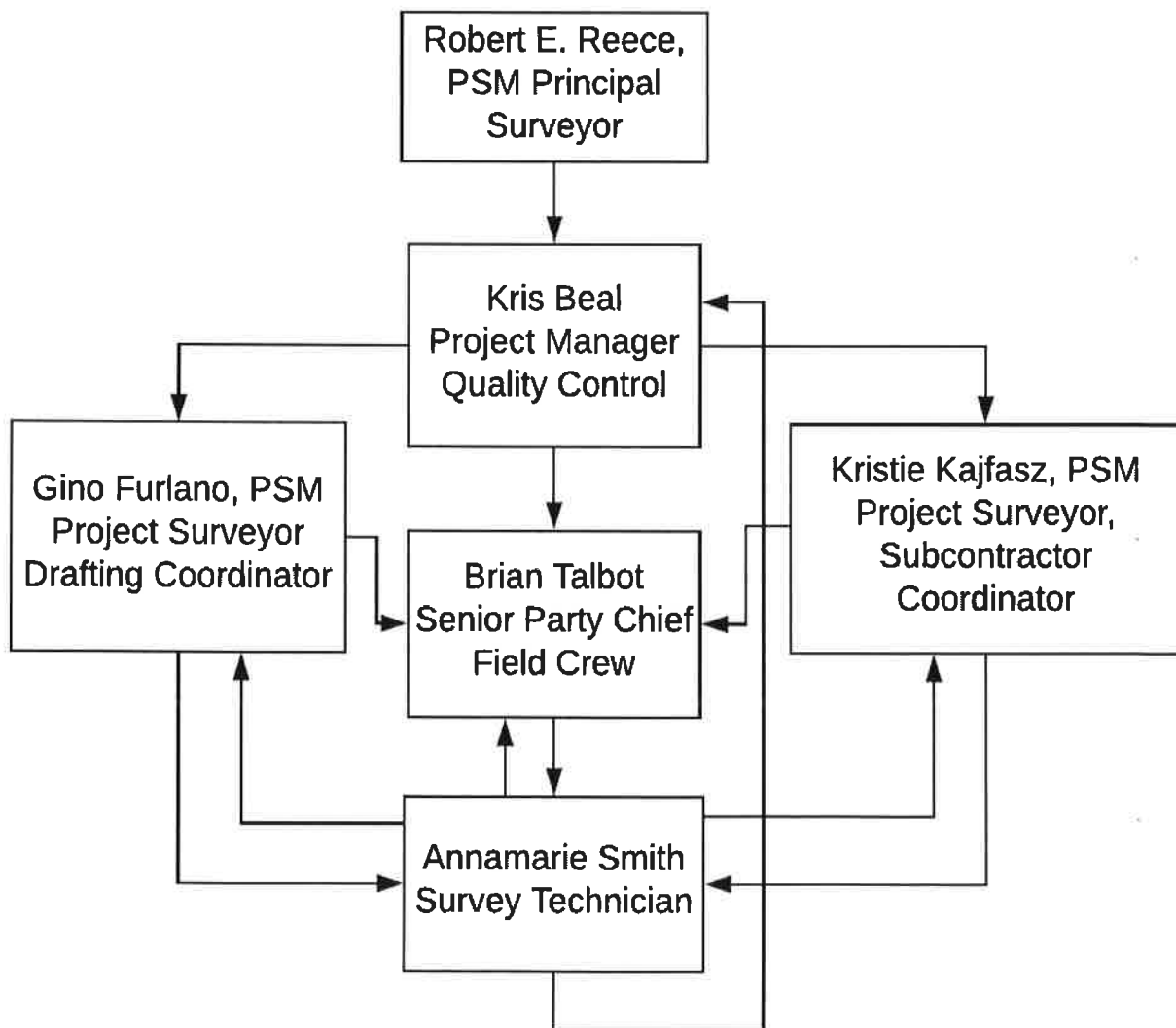
127 Industrial Road, Suite B  
Big Pine Key, Florida 33043

Telephone: 305-872-1348

Fax: 305-872-5622

Email: [Reecepa@aol.com](mailto:Reecepa@aol.com)

## Licensed Surveyor's Team & Qualifications



**RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

NAME <b>Robert E. Reece</b>	ROLE IN THIS CONTRACT <b>Principal Surveyor</b>	YEARS EXPERIENCE	
		TOTAL <b>30</b>	WITH CURRENT FIRM <b>26</b>
FIRM NAME AND LOCATION ( <i>City and State</i> ) <b>Reece &amp; White Land Surveying, Inc., Big Pine Key, FL</b>			
EDUCATION <b>Bachelor of Civil Engineering, Marquette University</b>		CURRENT PROFESSIONAL REGISTRATION <b>Florida, Professional Surveyor #5632</b>	
OTHER PROFESSIONAL QUALIFICATIONS  FLORIDA SURVEYING AND MAPPING SOCIETY MEMBER, MEAN HIGH WATER SURVEYING FIELD PRACTICES			

**RELEVANT PROJECTS**

	(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable) NA
<b>1</b>	DEP 0950 SLER SURVEY AT SUNSET HARBOR & COW KEY MARINA REDEVELOPMENT, STOCK ISLAND, FL	2016	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) DEP 0950 SLER SURVEY FOR 23 SLIP MARINA RENOVATION, HYDROGRAPHIC, TOPOGRAPHIC, MEAN HIGH WATER LINE & LEGAL DESCRIPTIONS \$15,000		
<b>2</b>	(1) TITLE AND LOCATION ( <i>City and State</i> ) ANGLERS AT SOMBRERO, MARATHON, FL	2016	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) RESIDENTIAL LAND DEVELOPMENT, 32 UNITS, DEVELOPMENT SURVEY, PLATTING, BOUNDARY SURVEYING, TOPOGRAPHIC & MEAN HIGH WATER LINE SURVEY, ELEVATION CERTIFICATES, ROOF PEAK LETTERS \$75,000		
<b>3</b>	(1) TITLE AND LOCATION ( <i>City and State</i> ) PLANTATION KEY GOVERNMENT CENTER REDEVELOPMENT PROJECT & WWTP FACILITY DECOMMISSIONING PLANTATION KEY, FL	2015-2016	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) SITE DEVELOPMENT SURVEY, BOUNDARY, TOPOGRAPHIC, UTILITY INVESTIGATION AND SITE SCANNING FOR EXISTING UNDERGROUND UTILITIES \$28,000		
<b>4</b>	(1) TITLE AND LOCATION ( <i>City and State</i> ) SR 5(US 1) FROM SADOWSKI CAUSEWAY TO COCO PLUM DRIVE & COCO PLUM DRIVE FROM SR 5 TO AVENUE D MARATHON, FL	2016	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) TOPOGRAPHIC SURVEY, ROW DETERMINATION AND ESTABLISHED DOT BASELINE FOR COCO PLUM DRIVE, MAPPED ABOVE GROUND FEATURES FOR UTILITY AND ROADWAY DESIGN. \$51,000.		

**RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

NAME <b>Kristine Beal</b>	ROLE IN THIS CONTRACT <b>Project Manager and Quality Control Reviewer</b>	YEARS EXPERIENCE	
		TOTAL <b>19</b>	WITH CURRENT FIRM <b>19</b>

FIRM NAME AND LOCATION (*City and State*) **Reece & White Land Surveying, Inc., Big Pine Key, FL**

EDUCATION ( <i>DEGREE AND SPECIALIZATION</i> ) <b>HIGH SCHOOL DIPLOMA</b>	CURRENT PROFESSIONAL REGISTRATION ( <i>STATE AND DISCIPLINE</i> ) <b>N/A</b>
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OTHER PROFESSIONAL QUALIFICATIONS (*Publications, Organizations, Training, Awards, etc.*)  
 FLORIDA SURVEYING AND MAPPING SOCIETY MEMBER, LEGAL DESCRIPTIONS, DEED INTERPRETATION,  
 FLORIDA MTS, ATLANTIC PROFESSIONAL DEVELOPMENT; MEAN HIGH WATER SURVEYING FIELD PRACTICES,  
 SPECTRA PRECISION SURVEY PRO CLASS

**RELEVANT PROJECTS**

	(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable) NA
<b>1</b>	DEP 0950 SLER SURVEY AT SUNSET HARBOR & COW KEY MARINA REDEVELOPMENT, STOCK ISLAND, FL	2016	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) DEP 0950 SLER SURVEY FOR 23 SLIP MARINA RENOVATION, HYDROGRAPHIC, TOPOGRAPHIC, MEAN HIGH WATER LINE & LEGAL DESCRIPTIONS \$15,000		
<b>b.</b>	ANGLERS AT SOMBRERO, MARATHON, FL	2016	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) RESIDENTIAL LAND DEVELOPMENT, 32 UNITS, DEVELOPMENT SURVEY, PLATTING, BOUNDARY SURVEYING, TOPOGRAPHIC & MEAN HIGH WATER LINE SURVEY, ELEVATION CERTIFICATES, ROOF PEAK LETTERS \$75,000		
<b>c.</b>	PLANTATION KEY GOVERNMENT CENTER REDEVELOPMENT PROJECT & WWTP FACILITY DECOMMISSIONING PLANTATION KEY, FL	2015-2016	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) SITE DEVELOPMENT SURVEY, BOUNDARY, TOPOGRAPHIC, UTILITY INVESTIGATION AND SITE SCANNING FOR EXISTING UNDERGROUND UTILITIES \$28,000		
<b>d.</b>	SR 5(US 1) FROM SADOWSKI CAUSEWAY TO COCO PLUM DRIVE & COCO PLUM DRIVE FROM SR 5 TO AVENUE D MARATHON, FL	2016	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) TOPOGRAPHIC SURVEY, ROW DETERMINATION AND ESTABLISHED DOT BASELINE FOR COCO PLUM DRIVE, MAPPED ABOVE GROUND FEATURES FOR UTILITY AND ROADWAY DESIGN. \$51,000.		

**RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

NAME <b>Gino Furlano</b>	ROLE IN THIS CONTRACT <b>Project Surveyor</b>	YEARS EXPERIENCE	
		TOTAL <b>37</b>	WITH CURRENT FIRM <b>17</b>
FIRM NAME AND LOCATION ( <i>City and State</i> )		<b>Reece &amp; White Land Surveying, Inc., Big Pine Key, FL</b>	
EDUCATION ( <i>DEGREE AND SPECIALIZATION</i> ) <b>HIGH SCHOOL DIPLOMA</b>		CURRENT PROFESSIONAL REGISTRATION ( <i>STATE AND DISCIPLINE</i> ) <b>Florida, Professional Surveyor # 5044</b>	

OTHER PROFESSIONAL QUALIFICATIONS FLORIDA SURVEYING AND MAPPING SOCIETY MEMBER

**RELEVANT PROJECTS**

	(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
<b>1</b>	DEP 0950 SLER SURVEY AT SUNSET HARBOR & COW KEY MARINA REDEVELOPMENT, STOCK ISLAND, FL	2016	NA
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) DEP 0950 SLER SURVEY FOR 23 SLIP MARINA RENOVATION, HYDROGRAPHIC, TOPOGRAPHIC, MEAN HIGH WATER LINE & LEGAL DESCRIPTIONS \$15,000		
<b>2</b>	ANGLERS AT SOMBRERO, MARATHON, FL	2016	NA
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) RESIDENTIAL LAND DEVELOPMENT, 32 UNITS, DEVELOPMENT SURVEY, PLATTING, BOUNDARY SURVEYING, TOPOGRAPHIC & MEAN HIGH WATER LINE SURVEY, ELEVATION CERTIFICATES, ROOF PEAK LETTERS \$75,000		
<b>3</b>	PLANTATION KEY GOVERNMENT CENTER REDEVELOPMENT PROJECT & WWTP FACILITY DECOMMISSIONING PLANTATION KEY, FL	2015-2016	NA
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) SITE DEVELOPMENT SURVEY, BOUNDARY, TOPOGRAPHIC, UTILITY INVESTIGATION AND SITE SCANNING FOR EXISTING UNDERGROUND UTILITIES \$28,000		
<b>4</b>	SR 5 (US 1) FROM SADOWSKI CAUSEWAY TO COCO PLUM DRIVE & COCO PLUM DRIVE FROM SR 5 TO AVENUE D MARATHON, FL	2016	NA
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm TOPOGRAPHIC SURVEY, ROW DETERMINATION AND ESTABLISHED DOT BASELINE FOR COCO PLUM DRIVE, MAPPED ABOVE GROUND FEATURES FOR UTILITY AND ROADWAY DESIGN. \$51,000.		

**RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

NAME <b>Kristie Kajfasz</b>	ROLE IN THIS CONTRACT <b>Project Surveyor &amp; Subcontract Coordinator</b>	YEARS EXPERIENCE	
		TOTAL <b>13</b>	WITH CURRENT FIRM <b>7</b>
FIRM NAME AND LOCATION <i>(City and State)</i> <b>Reece &amp; White Land Surveying, Inc., Big Pine Key, FL</b>		CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> <b>Florida, Professional Surveyor #7116</b>	
EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> <b>BACHELOR OF SCIENCE GEOMATICS, UNIVERSITY OF FLORIDA, 2009</b>			

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

FLORIDA SURVEYING AND MAPPING SOCIETY MEMBER, ELEVATION CERTIFICATE BASICS & CRS REQUIREMENTS, CONSTRUCTION QUALITY MANAGEMENT FOR CONTRACTORS, TRANSITIONING FROM MTS TO STANDARDS OF PRACTICE,

**RELEVANT PROJECTS**

<b>1</b>	(1) TITLE AND LOCATION <i>(City and State)</i> DEP 0950 SLER SURVEY AT SUNSET HARBOR & COW KEY MARINA REDEVELOPMENT, STOCK ISLAND, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (if applicable) NA
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> DEP 0950 SLER SURVEY FOR 23 SLIP MARINA RENOVATION, HYDROGRAPHIC, TOPOGRAPHIC, MEAN HIGH WATER LINE & LEGAL DESCRIPTIONS \$15,000		
<b>2</b>	(1) TITLE AND LOCATION <i>(City and State)</i> ANGLERS AT SOMBRERO, MARATHON, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (if applicable) NA
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> RESIDENTIAL LAND DEVELOPMENT, 32 UNITS, DEVELOPMENT SURVEY, PLATTING, BOUNDARY SURVEYING, TOPOGRAPHIC & MEAN HIGH WATER LINE SURVEY, ELEVATION CERTIFICATES, ROOF PEAK LETTERS \$75,000		
<b>3</b>	(1) TITLE AND LOCATION <i>(City and State)</i> PLANTATION KEY GOVERNMENT CENTER REDEVELOPMENT PROJECT & WWTP FACILITY DECOMMISSIONING PLANTATION KEY, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015-2016	CONSTRUCTION (if applicable) NA
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> SITE DEVELOPMENT SURVEY, BOUNDARY, TOPOGRAPHIC, UTILITY INVESTIGATION AND SITE SCANNING FOR EXISTING UNDERGROUND UTILITIES \$28,000		
<b>4</b>	(1) TITLE AND LOCATION <i>(City and State)</i> OCALA STORMWATER GIS DATA OCALA, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014	CONSTRUCTION (if applicable) NA
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> SERVED AS PROJECT MANAGER PROCESSING FIELD DATA FOR STORMWATER MANHOLE DATA, CREATE GIS POINT DATA AND PIPE NETWORK DATA FOR GIS USE BY CITY OF OCALA MAINTENANCE. COST \$80,000		

**RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

NAME <b>Brian Talbot</b>	ROLE IN THIS CONTRACT <b>Senior Field Technician</b>	YEARS EXPERIENCE	
		TOTAL <b>36</b>	WITH CURRENT FIRM <b>5</b>

FIRM NAME AND LOCATION *(City and State)*  
**Reece & White Land Surveying, Inc., Big Pine Key, FL**

EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> <b>HIGH SCHOOL DIPLOMA</b>	CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> <b>NA</b>
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OTHER PROFESSIONAL QUALIFICATIONS: SPECTRA PRECISION SURVEY PRO CLASS

**RELEVANT PROJECTS**

1	(1) TITLE AND LOCATION <i>(City and State)</i> DEP 0950 SLER SURVEY AT SUNSET HARBOR & COW KEY MARINA REDEVELOPMENT, STOCK ISLAND, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (if applicable) NA
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> DEP 0950 SLER SURVEY FOR 23 SLIP MARINA RENOVATION, HYDROGRAPHIC, TOPOGRAPHIC, MEAN HIGH WATER LINE & LEGAL DESCRIPTIONS \$15,000			
2	(1) TITLE AND LOCATION <i>(City and State)</i> ANGLERS AT SOMBRERO, MARATHON, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (if applicable) NA
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> RESIDENTIAL LAND DEVELOPMENT, 32 UNITS, DEVELOPMENT SURVEY, PLATTING, BOUNDARY SURVEYING, TOPOGRAPHIC & MEAN HIGH WATER LINE SURVEY, ELEVATION CERTIFICATES, ROOF PEAK LETTERS \$75,000			
3	(1) TITLE AND LOCATION <i>(City and State)</i> PLANTATION KEY GOVERNMENT CENTER REDEVELOPMENT PROJECT & WWTP FACILITY DECOMMISSIONING PLANTATION KEY, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015-2016	CONSTRUCTION (if applicable) NA
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> SITE DEVELOPMENT SURVEY, BOUNDARY, TOPOGRAPHIC, UTILITY INVESTIGATION AND SITE SCANNING FOR EXISTING UNDERGROUND UTILITIES \$28,000			
4	(1) TITLE AND LOCATION <i>(City and State)</i> SR 5(US 1) FROM SADOWSKI CAUSEWAY TO COCO PLUM DRIVE & COCO PLUM DRIVE FROM SR 5 TO AVENUE D MARATHON, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (if applicable) NA
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> TOPOGRAPHIC SURVEY, ROW DETERMINATION AND ESTABLISHED DOT BASELINE FOR COCO PLUM DRIVE, MAPPED ABOVE GROUND FEATURES FOR UTILITY AND ROADWAY DESIGN. \$51,000.			

**RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

NAME <b>Annamarie Smith</b>	ROLE IN THIS CONTRACT <b>Survey Technician</b>	YEARS EXPERIENCE	
		TOTAL 5	WITH CURRENT FIRM 5
FIRM NAME AND LOCATION <i>(City and State)</i> <b>Reece &amp; White Land Surveying, Inc., Big Pine Key, FL</b>			
EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> <b>HIGH SCHOOL DIPLOMA</b>		CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> NA	
OTHER PROFESSIONAL QUALIFICATIONS: SPECTRA PRECISION SURVEY PRO CLASS			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION <i>(City and State)</i> DEP 0950 SLER SURVEY AT SUNSET HARBOR & COW KEY MARINA REDEVELOPMENT, STOCK ISLAND, FL	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Briefscope, size, cost, etc.)</i> SERVED AS PROJECT MANAGER COORDINATING FIELD OPERATIONS FOR BATHYMETRIC AND GPS DATA AQUISITION AND ADJUSTMENTS, CALCULATED CONSTRUCTION STAKE OUT, MANAGED DRAFTING, QC FINAL DELIVERABLE. COST \$15,000	PROFESSIONAL SERVICES 2016	CONSTRUCTION (if applicable) NA
b.	(1) TITLE AND LOCATION <i>(City and State)</i> ANGLERS AT SOMBRERO, MARATHON, FL	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Briefscope, size, cost, etc.)</i> SERVED AS PROJECT MANAGER, MANAGED FIELD DATA AQCQUISITION, PREPARED PLAT AND DOCUMENTATION, QC DELIVERABLES, DEVELOPMENT FINAL SURVEY PACKAGES. COST \$75,000	PROFESSIONAL SERVICES 2016	CONSTRUCTION (if applicable) NA
c.	(1) TITLE AND LOCATION <i>(City and State)</i> PLANTATION KEY GOVERNMENT CENTER REDEVELOPMENT PROJECT, PLANTATION KEY, FL	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Briefscope, size, cost, etc.)</i> SERVED AS PROJECT MANAGER, FIELD DATA AQCQUISITION AND SITE INVESTIGATION FOR EXISTING UTILITIES, FIELD DATA ADJUSTMENT, CAD DRAFTING, QC FINAL DELIVERABLES. COST \$26,000	PROFESSIONAL SERVICES 2015-2016	CONSTRUCTION (if applicable) NA
d.	(1) TITLE AND LOCATION <i>(City and State)</i> SR 5(US 1) FROM SADOWSKI CAUSEWAY TO COCO PLUM DRIVE & COCO PLUM DRIVE FROM SR 5 TO AVENUE D MARATHON, FL	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Briefscope, size, cost, etc.)</i> TOPOGRAPHIC SURVEY, ROW DETERMINATION AND ESTABLISHED DOT BASELINE FOR COCO PLUM DRIVE, MAPPED ABOVE GROUND FEATURES FOR UTILITY AND ROADWAY DESIGN. \$51,000.	PROFESSIONAL SERVICES 2016	CONSTRUCTION (if applicable) NA



**Representative Projects:**

Project: Eaton Street Capital Improvement Project #1153-17(Whitehead to Simonton Street)

Client: Florida Keys Aqueduct Kimberly Judge (305) 295-2159

Surveying Cost: \$8,685

Project Description: Topographic route survey with Survey Baseline, Benchmarks, location of all fixed improvements, Utilities above and below ground, easements, rights of ways, and adjoining parcel information.

Project: Key West Resort Utilities Sewage Treatment Plant Expansion, Stock Island, FL

Client : Wharton-Smith Javier Velez (561) 748-5956 x 309

Surveying Cost: \$10,135

Project Description: Control and baseline established horizontally and vertically, construction staking for tank placement, piping, and equipment shelter and pads, as-built pile locations and improvements.

Project: Anglers at Sombrero, Marathon, FL

Owner: RERR Unlimited LLC Mike Aranda 561-722-6590

Surveying Cost: \$78,000

Project Description: Large parcel Boundary, Topographic and Mean High Water Line survey for site design, Jurisdictional lines mapping and legal description production, Plat of 32 residential lots, Construction staking, As-built Boundary survey & elevation certificate for each lot.

Project: Plantation Key Government Center Re-design & Waste Water Treatment Facility Decommissioning, Plantation Key, FL

Client: Monroe County Doug Sposito (305)-292 4527

Surveying Cost: \$28,000

Project Description: Boundary and Topographic Survey including underground utility locations as verified by Ground Penetrating Radar.

Project: SR 5(US 1) from Sadowski Causeway to Coco Plum Drive & Coco Plum Drive from SR 5 to Avenue D, Marathon, FL

Client:: DDAI, Steve Hurley

Surveying Cost: \$51,000

Project Description: Route Survey including Topographic Survey, Right of Way determination and Established a DOT Baseline for Coco Plum Drive, Mapped above ground features for utility and roadway design.

## **Summary of Expertise & Experience**

Reece & Associates understands this RFQ is for projected work for the City of Key West which may include but is not limited to:

1. Boundary Surveys (monument placement)
2. Topographic Surveys
3. Easements
4. Route Surveys of right's of ways
5. Property Line Staking based on boundary survey
6. Construction Layout
7. Review right-of-ways and Easement documents for development
8. Prepare legal descriptions
9. Cut and fill calculations
10. As-built/record drawings
11. underground/above ground utility identification and mapping
12. Title Searches by True Title Agency, Inc.
13. Aerial Drone Photography by Drone Dogs Media or others based on availability under our direction.
14. Flood Plain, FEMA, Beach Surveying/mapping by Florida Technical Consultants under our direction.
15. GIS/AutoCAD map and database creation by Florida Technical Consultants under our direction.
16. Ground Penetrating Radar by X-Radar, Inc. under our direction.

Our firm works exclusively in the Middle and Lower Keys and the City of Key West. Our workload is predominantly boundary resolution, services for real estate transactions, and development surveys for design purposes(items 1-11 listed above). Our office is located in Big Pine Key. Our firm is comprised of locals, therefore we have the ability to be onsite expeditiously and are available for meetings and teleconferences. Our firm engages in a two part quality review of final work product. Our team for this RFQ includes the following:

Any title searches(12) will be ordered and completed by True Title Agency, Inc. located at 9 Ships Way, Big Pine Key, FL 33043. Telephone: 305-72-4005

True Title Agency, Inc. is a trusted Lower Florida Keys title agency providing Florida Keys real estate closings, title insurance, title searches, and escrow services since 2001. True Title Agency, Inc. is owned by Richard J. Fielder, a licensed Florida title agent, and Lynne Hankins-Fielder, Esq., a Florida real estate, estate planning, trust, and probate attorney.

True Title Agency, Inc. offers timely, strategic, and educated guidance in Florida real estate transactions. Whether you are a real estate investor, lender, Realtor, first time buyer, refinancing, persevering through a short sale, negotiating through a foreclosure or closing on your dream home, True Title Agency, Inc. is at your service.

Any GIS database creation(15), FEMA Flood plain work, or Beach mapping(14) will be subcontracted to Florida Technical Consultants (FTC)

Florida Technical Consultants (FTC) was founded in 2014. Based on extensive experience using GIS for engineering projects, and as an ESRI Silver Business Partner with an ArcGIS Online Specialty, the Goal of FTC is to provide support services to Municipalities and Engineering firms through:

- Data Compilation and Analysis for Projects and Studies
- GIS Data Building, Cleaning and Configuring for Utilities / Public Works Management
- Implementing data collection and updates by utilities staff,
- Asset management based on condition, maintenance, repair and customer service data,
- Analyzing, compiling and reporting expenditure information by utility type or service area,
- Prioritization of results into a short or long term capital improvement plan,

The founder, James Barton P.E. LEED AP has over 20 years of experience in engineering design and project management of water, sanitation and stormwater programs, including water resources, infrastructure rehabilitation and GIS implementation, environmental engineering, utilities and road construction. Mr. Barton has routinely integrated GIS technology with engineering, developing software tools to assist in system modeling, design and construction administration.

Since becoming an ESRI Authorized Trainer in 2003, he has provided training to over 75 students in various organizations and disciplines. His specialty is training for people specializing in utilities, public works and engineering, yet has trained fire, police and city administration.

Any Ground Penetrating Radar will be completed by X-Radar, Inc. Te;. 954-254-9509

X-Radar is dedicated to providing safe and cost effective solutions for our customers with experience and expertise using advanced and reliable equipment to locate POST TENSION CABLES, ELECTRICAL CONDUITS, and REBAR in the concrete. We can also, detect UNDERGROUND UTILITIES, UNDERGROUND STORAGE TANKS and VOIDS below the surface. Knowledge, Honesty and Customer Satisfaction is our mission.

Any Aerial Drone Photography will be subcontracted to Drone Dogs Media, located at 233 Golf Club Drive, Key West, FL 33040 Tel: 305-563-9571 or other available company.

Drone Dogs Media is a Florida Keys, FAA approved, drone service provider. Drone Dogs delivers a wide variety of cinematic and photography services that will capture the audience's attention and keep them watching. We specialize in the utilization of drones for advanced aerial videography and aerial photography. We also specialize in interior video shots utilizing cinematic motions to keep the viewer engaged. We have learned from the best pilots and videographers at DroneU with film industry and luxury real estate experience. Aerial Photography and Aerial videography is our specialty, focusing on real estate photography, construction and video production, as well as a wide variety of other subjects.

We are FAA Part-107 certified and trained drone pilots. We film in 4k high-definition aerial photography and videography. We also provide interior videography and photography to tell your complete story. We are located in Key West and travel throughout the area to provide you with exceptional aerial footage. Drone Dogs is a leading aerial content provider in the Florida Keys.

We have the latest state-of-the-art drones and 4k cameras and provide raw footage, editing, post-processing, copyright-free music, SEO optimization and marketing of your videos and photographs via social media or your business web site. Safety is a Priority: Log Books and Risk Management Systems utilized daily. 2017 Drone-U Fly-In Overall Champion FAA 107 Certified Drone Pilots of the Florida Keys FAA 107 CERTIFIED sUAS (Drone) Pilot.

## **Approach to Work:**

### **Boundary Surveys using GPS Coordinates:**

Our collective professional experience has been extensive in this type of survey work, with miles of right-of-way surveys of road throughout Monroe County and hundreds of Boundary Surveys completed each year. Through our experience and local knowledge of Monroe County, we have found that the most successful approach to these projects consists of establishing a strong control network, performing extensive research for land title and survey records, recovery of boundary evidence, and evaluation of said evidence in developing a defensible boundary with a particular emphasis on the upfront research to determine the origin of the original alignment, and the identification and recovery of alignment/ROW data. With years of Professional Surveying Services and the acquisition of multiple land surveying companies throughout the keys our in-house records of prior surveys and knowledge of existing boundary ambiguities is unrivaled. We have had particular success with integrating varied applications of GPS technology for different situations on these surveys, including Differential GPS, Real-Time-Kinematic GPS, Fast-Static, and the bedrock foundation of them all, classical Static Network GPS.

### **Topographic Surveys using GPS Coordinates:**

We have a variety of dependable approaches for these surveys, depending on FCAA needs and the logistics dictated by the particular site and its location. Among these are:

- Radial topography and location with total station and data collector from control points set on-site at strategic locations. The on-site control will be established by either static GPS techniques utilizing NGS horizontal control and CERP Geodetic Vertical Control Survey Points or RTK GPS methods utilizing a land base set on a known control location or Trimble's VRS Network.
- Depending on accuracy needs RTK GPS methods have proven to be a viable tool to complete Topographic Surveys. A land base will be set up over a known control point with the GPS rover receiving correction through radio signal. During the RTK GPS Survey multiple checks will be made to known control to insure the solution is within tolerances.

### **Plan and Profile Drawings of existing conditions:**

The completion of plan and profiles sheets in CAD are performed utilizing Autodesk Civil 3D. After the data is field collected and processed a plan view is drafted depicting improvements, grade breaks and elevation labels in plan view. A digital terrain model is then created utilizing the field collected data and profile views are cut from the digital terrain model at intervals specified by the client. The profile views are then automatically labeled to show significant geometry changes.

### **Construction Staking:**

Prior to mobilization to the field the construction plans are calculated by office staff to ensure that there are not errors within the plan. A plot & digital calculation file is provided to the field staff along with a full plan set. Field notes are recorded during field stake out and the "as-staked" location of each stake is data collected. Following field layout office staff checks the field notes daily and the "as-staked" location to ensure that location were properly staked.

### **As-built Surveys:**

As-built surveys are completed during any construction project. Utilities are located and elevated while exposed to insure they meet plan specifications. A certified Asbuilt survey is completed by

striking through grades and locations as shown on construction plans. Where plan and profiles views are present in a set of constructions plans the Asbuilt Survey will depict the plan and profile view of the "as-built" location in comparison to the plan.

Reece and associates understands the scope list above and its role as principle in this contract. Reece & Associates also understands it must carry and provide General Liability, Professional Liability and Workmen's Compensation Insurance and that proof will be provided upon award.

Upon notice of requested work, the project manager will ascertain the cost and timeframe of the work. They will also plan what tools will be used to complete the work. They will prepare the plan and research historical information through public records and the plethora of information our firm retains. The field crew coordinator will schedule the field crew to complete the data acquisition. Once back in the office, the survey tech will draft the appropriate deliverable based on the request, and forward a review copy to Quality Control for review. Then a draft copy will be issued and forwarded to the City for review. Once approved, the final signed and sealed originals, PDF and the CAD file will be released to the City of Key West.

## References

Client #1:					
Name:	City of Marathon				
Address:	9805 Overseas Highway, Marathon, FL 33050				
Contact:	Mark Bombard	Email:	Bombardm@ci.marathon.fl.us		
Phone:	305-289-4104	Fax:	305-289-4123		
Period of Services:		From:	2009	To:	Present
Approximate Contract Value:		\$73,000			
Description of services provided:					
Boundary, Topographic, Mean High Water Line, Hydrographic Surveys and Elevation Certificates					
Client #2:					
Name:	Monroe County Comprehensive Land Authority				
Address:	1200 Truman Avenue, Suite 207, Key West, FL 33040				
Contact:	Mark Rosch	Email:	Rosch-Mark@monroecounty-FL.gov		
Phone:	305-295-5180	Fax:	305-295-5181		
Period of Services:		From:	2004	To:	Present
Approximate Contract Value:		\$55000			
Description of services provided:					
Boundary & Topographic Surveys and Write Legal Descriptions					
Client #3:					
Name:	RERR Unlimited, LLC				
Address:	1222 SE 47th Street, Suite 330, Cape Coral, FL 33904				
Contact:	Michael Aranda	Email:	Mike@thenewhomespot.com		
Phone:	239-267-4804	Fax:	239-267-3445		
Period of Services:		From:	2014	To:	Present
Approximate Contract Value:		\$75000			
Description of services provided:					
Boundary & Topographic Surveys, Legal Descriptions, construction stake out, As-builts					
Client #4:					
Name:	Pabian Properties, LLC				
Address:	P.O. Box 420236, Summerland Key, FL 33042				
Contact:	Bob Pabian	Email:	rcpabian@gmail.com		
Phone:	305-587-8565	Fax:			
Period of Services:		From:	2011	To:	Present
Approximate Contract Value:		\$145000			
Description of services provided:					
Boundary & Topographic Surveys, Legal Descriptions, construction stake out, As-builts					
Client #5:					
Name:	True Title Agency, Inc.				
Address:	9 Ships Way, Big Pine Key, FL 33043				
Contact:	Rich Fielder	Email:	Rich@truetitlesgency.com		
Phone:	305-872-4005	Fax:	305-872-4041		
Period of Services:		From:	2005	To:	Present
Approximate Contract Value:		\$ 500,000			
Description of services provided:					
Boundary Surveys, Legal Descriptions, and Elevation Certificates					

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**PART 2**

**FORMS AND AFFIDAVITS**

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

**THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICE AUTHORIZED TO ADMINISTER OATHS.**

1. This sworn statement is submitted with Bid, Bid or Contract No. RFQ#18-002 for Professional Surveying Services
  
2. This sworn statement is submitted by Reece & Associates  
(Name of entity submitting sworn statement)  
whose business address is 127 Industrial Road Suite B  
Big Pine Key, FL 33043 and (if applicable) its Federal  
Employer Identification Number (FEIN) is 27-2792551 (If the entity has no FEIN,  
include the Social Security Number of the individual signing this sworn statement.)
  
3. My name is Kristie Kafasz and my relationship to  
(Please print name of individual signing)  
the entity named above is my employer
  
4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any Bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.
  
5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
  
6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means
  1. A predecessor or successor of a person convicted of a public entity crime: or
  2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
  
7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which Bids or applies to Bid on contracts for the provision of goods or services

let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

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

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

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

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

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

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

Kristie Kajfasz  
(Signature)  
Kristie Kajfasz Project Manager

STATE OF Florida (Date)

COUNTY OF Monroe

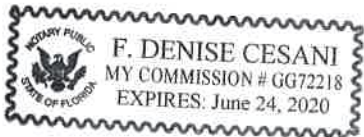
PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Kristie Kajfasz  
(Name of individual signing)

who, after first being sworn by me, affixed his/her signature in the

space provided above on this 28th day of March, 2018.

My commission expires:  
NOTARY PUBLIC F. Denise Cesani



**INDEMNIFICATION**

To the fullest extent permitted by law, the CONSULTANT expressly agrees to indemnify and hold harmless the City of Key West, their officers, directors, agents, and employees (herein called the "indemnitees") from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees and court costs, such legal expenses to include costs incurred in establishing the indemnification and other rights agreed to in this Paragraph, to persons or property, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the CONSULTANT, its Sub-consultants or persons employed or utilized by them in the performance of the Contract. Claims by indemnitees for indemnification shall be limited to the amount of CONSULTANT's insurance or \$1 million per occurrence, whichever is greater. The parties acknowledge that the amount of the indemnity required hereunder bears a reasonable commercial relationship to the Contract and it is part of the project specifications or the bid documents, if any.

The indemnification obligations under the Contract shall not be restricted in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the CONSULTANT under workers' compensation acts, disability benefits acts, or other employee benefits acts, and shall extend to and include any actions brought by or in the name of any employee of the CONSULTANT or of any third party to whom CONSULTANT may subcontract a part or all the Work. This indemnification shall continue beyond the date of completion of the work.

CONTRACTOR: Reece & Associates

SEAL:

127 Industrial Road, Suite B, Big Pine Key FL, 33043

Address

Kristie Kayfasz

Signature

Kristie Kayfasz

Print Name

Project Surveyor

Title

3/28/18

Date







Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkway Tallahassee, Florida 32399-6500  
800HELPFLA(435-7352) or (850) 488-2221

January 25, 2017

REECE & WHITE LAND SURVEYING, INC.  
PO BOX 432123  
BIG PINE KEY, FL 33043-2123

SUBJECT: Professional Surveyor and Mapper Business Certificate # LB7846

Your application / renewal as a professional surveyor and mapper business as required by Chapter 472, Florida Statutes, has been received and processed.

The license appears below and is valid through February 28, 2021.

You are required to keep your information with the Board current. Please visit our website at [www.800helpfla.com/psm](http://www.800helpfla.com/psm) to create your online account. If you have already created your online account, you can use the website to maintain your license. You can also find other valuable information on the website.

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 800-435-7352 or 850-488-2221.

Detach Here



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.: **LB7846**

Expiration Date February 28, 2021

## Professional Surveyor and Mapper Business License

Under the provisions of Chapter 472, Florida Statutes

REECE & WHITE LAND SURVEYING, INC.  
127 INDUSTRIAL RD STE B  
BIG PINE KEY, FL 33043-3410

ADAM H. PUTNAM  
COMMISSIONER OF AGRICULTURE



Florida Department of Agriculture and Consumer Services  
 Division of Consumer Services  
 Board of Professional Surveyors and Mappers  
 2005 Apalachee Pkway Tallahassee, Florida 32399-6500  
 800HELPFLA(435-7352) or (850) 488-2221

January 11, 2017

ROBERT EDWARD REECE  
 PO BOX 432123  
 BIG PINE KEY, FL 33043-2123

SUBJECT: Professional Surveyor and Mapper License # LS5632

Your application / renewal as a professional surveyor and mapper as required by Chapter 472, Florida Statutes, has been received and processed.

The license appears below and is valid through February 28, 2019.

You are required to keep your information with the Board current. Please visit our website at [www.800helpfla.com/psm](http://www.800helpfla.com/psm) to create your online account. If you have already created your online account, you can use the website to maintain your license. You can also find other valuable information on the website.

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 800-435-7352 or 850-488-2221.

Detach Here



**Florida Department of Agriculture  
 and Consumer Services  
 Board of Professional Surveyors  
 and Mappers**

**LS5632**

**Professional Surveyor and Mapper  
 ROBERT EDWARD REECE**

IS LICENSED under the provisions of Ch. 472 FS  
 Expiration date: February 28, 2019

Detach Here



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.: **LS5632**  
 Expiration Date February 28, 2019

**Professional Surveyor and Mapper License**  
 Under the provisions of Chapter 472, Florida Statutes

ROBERT EDWARD REECE  
 PO BOX 432123  
 BIG PINE KEY, FL 33043-2123

ADAM H. PUTNAM  
 COMMISSIONER OF AGRICULTURE





Florida Department of Agriculture and Consumer Services  
 Division of Consumer Services  
 Board of Professional Surveyors and Mappers  
 2005 Apalachee Pkwy Tallahassee, Florida 32399-6500  
 800HELPFLA(435-7352) or (850) 488-2221

October 17, 2017

GINO FURLANO  
 812 OLIVE TREE CIR  
 GREENACRES, FL 33413-3055

SUBJECT: Professional Surveyor and Mapper License # LS5044

Your application / renewal as a professional surveyor and mapper as required by Chapter 472, Florida Statutes, has been received and processed.

The license appears below and is valid through February 28, 2019.

You are required to keep your information with the Board current. Please visit our website at [www.800helpfla.com/psm](http://www.800helpfla.com/psm) to create your online account. If you have already created your online account, you can use the website to maintain your license. You can also find other valuable information on the website.

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 800-435-7352 or 850-488-2221.

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**Florida Department of Agriculture  
 and Consumer Services  
 Board of Professional Surveyors  
 and Mappers**

**LS5044**

**Professional Surveyor and Mapper  
 GINO FURLANO**

IS LICENSED under the provisions of Ch. 472 FS  
 Expiration date: February 28, 2019

Detach Here



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

License No.: **LS5044**

Expiration Date: February 28, 2019

**Professional Surveyor and Mapper License**

Under the provisions of Chapter 472, Florida Statutes

**GINO FURLANO  
 812 OLIVE TREE CIR  
 GREENACRES, FL 33413-3055**

ADAM H. PUTNAM  
 COMMISSIONER OF AGRICULTURE



Florida Department of Agriculture and Consumer Services  
 Division of Consumer Services  
 Board of Professional Surveyors and Mappers  
 2005 Apalachee Pkway Tallahassee, Florida 32399-6500  
 800HELPFLA(435-7352) or (850) 488-2221

October 17, 2017

KRISTIE M KAJFASZ  
 357 SHIPS WAY  
 BIG PINE KEY, FL 33043-3129

SUBJECT: Professional Surveyor and Mapper License # LS7116

Your application / renewal as a professional surveyor and mapper as required by Chapter 472, Florida Statutes, has been received and processed.

The license appears below and is valid through February 28, 2019.

You are required to keep your information with the Board current. Please visit our website at [www.800helpfla.com/psm](http://www.800helpfla.com/psm) to create your online account. If you have already created your online account, you can use the website to maintain your license. You can also find other valuable information on the website.

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 800-435-7352 or 850-488-2221.

Detach Here



**Florida Department of Agriculture  
 and Consumer Services  
 Board of Professional Surveyors  
 and Mappers**

**LS7116**

**Professional Surveyor and Mapper  
 KRISTIE M KAJFASZ**

IS LICENSED under the provisions of Ch. 472 FS  
 Expiration date: February 28, 2019

Detach Here



**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.: **LS7116**

Expiration Date: February 28, 2019

**Professional Surveyor and Mapper License**

Under the provisions of Chapter 472, Florida Statutes

**KRISTIE M KAJFASZ  
 357 SHIPS WAY  
 BIG PINE KEY, FL 33043-3129**

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 Technical Consultants**  
401 West Atlantic Ave., Suite 09  
Delray Beach, FL 33444  
jbarton@fltechinc.com  
Mobile: 954-914-8488  
www.fltechinc.com

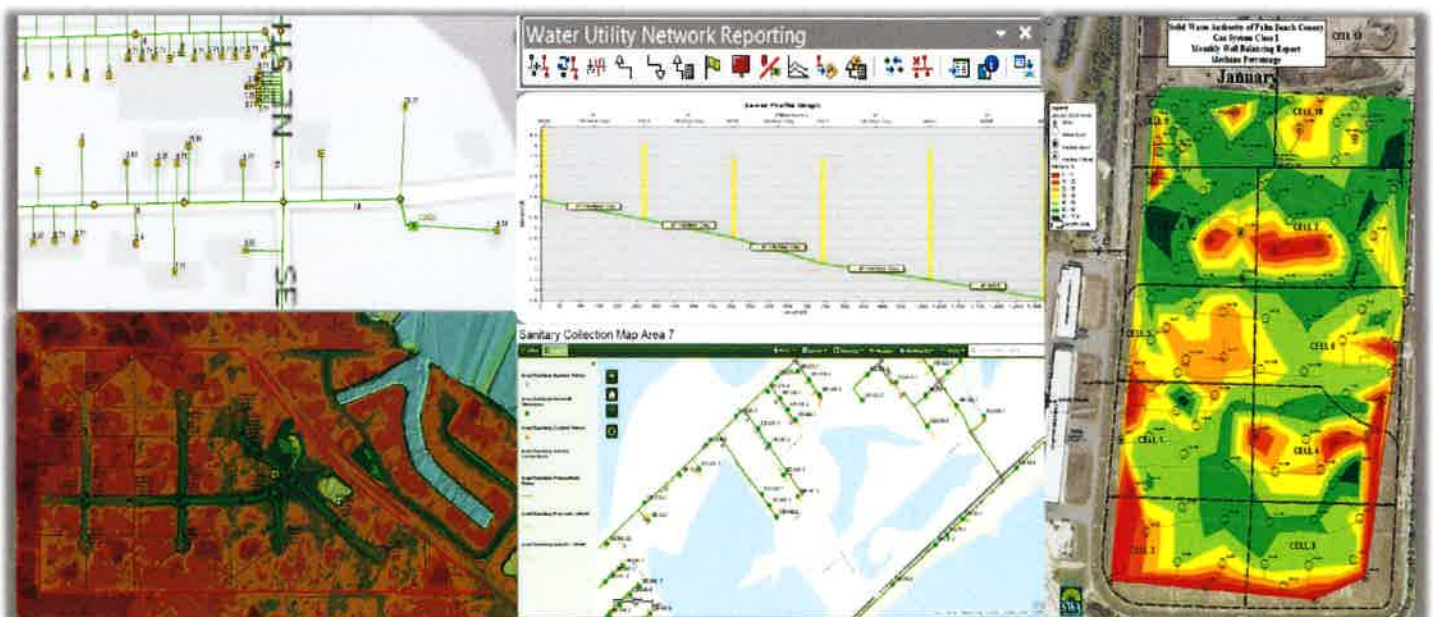
**Florida Technical Consultants (FTC)** was founded in 2014. Based on extensive experience using GIS for engineering projects, and as an ESRI Silver Business Partner with an ArcGIS Online Specialty, the Goal of FTC is to provide support services to Municipalities and Engineering firms through:

- Data Compilation and Analysis for Projects and Studies
- GIS Data Building, Cleaning and Configuring for Utilities / Public Works Management
- Implementing data collection and updates by utilities staff,
- Asset management based on condition, maintenance, repair and customer service data,
- Analyzing, compiling and reporting expenditure information by utility type or service area,
- Prioritization of results into a short or long term capital improvement plan,
- General GIS Software Training

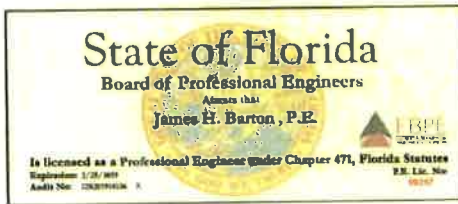
The founder, James Barton P.E. LEED AP has over 20 years of experience in engineering design and project management of water, sanitation and stormwater programs, including water resources, infrastructure rehabilitation and GIS implementation, environmental engineering, utilities and road construction. Mr. Barton has routinely integrated GIS technology with engineering, developing software tools to assist in system modeling, design and construction administration.

Since becoming an ESRI Authorized Trainer in 2003, he has provided training to over 75 students in various organizations and disciplines. His specialty is training for people specializing in utilities, public works and engineering, yet has trained fire, police and city administration.

FTC can offer engineering firms and departments improved efficiency through understanding and utilizing existing data, applying analysis tools and techniques for quality control, interfacing with contractors to track construction quantities and providing GIS record drawing submittals to clients.



Florida Technical Consultants is an authorized Professional Engineering firm in the State of Florida and Certified Small Business in Palm Beach County. James Barton PE is a registered Professional Engineer in the state of Florida.



James Barton



James Barton created the Florida Utility User Group which has regular open meetings where new developments and applications are discussed.



FTC is a Silver Tier ESRI Partner. FTC is recognized by ESRI as a firm that actively promotes GIS to the community.



FTC is an Online Specialty Partner. FTC has advanced skills in implementing ArcGIS Online for increasing field mobility.

# Corporate Charter and Tax Receipts

## State of Florida Department of State

I certify from the records of this office that FLORIDA TECHNICAL CONSULTANTS, LLC is a limited liability company organized under the laws of the State of Florida, filed on January 21, 2011.

The document number of this limited liability company is L14000011937.

I further certify that said limited liability company has paid all fees due this office through December 31, 2018, that its most recent annual report was filed on January 25, 2018, and that its status is active.

*Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this Twenty-fifth day of January, 2018.*




*Ken Detjen*  
**Secretary of State**

Tracking Number: CC242771876

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

<https://services.dos.state.fl.us/Files/CertificatesOfStatusCertFlorida.shtml#cert>



**ANNE M. GANNON**  
PROFESSIONAL TAX COLLECTOR  
Serving you.

P.O. Box 3353, West Palm Beach, FL 33402-3353  
www.palmetto.com Tel: (561) 365-2267

LOCATED AT:  
401 West ATLANTIC AVE Ste 09  
DELRAY BEACH, FL 33444

TYPE OF RECEIPT	ISSUE	ISSUANCE TYPE	ISSUE DATE	ISSUE VALUE	ISSUE TYPE
01	01	01	01	01	01


This document is valid only when received by the Tax Collector's Office.

**STATE OF FLORIDA  
PALM BEACH COUNTY**

**2017/2018 LOCAL BUSINESS TAX RECEIPT**

**LBTR Number: 2015083784**  
**EXPIRES: SEPTEMBER 30, 2018**

This receipt grants the privilege of engaging in or carrying any business profession or occupation within its jurisdiction and MUST be conspicuously displayed in the office of business and in each manner as to be open to the view of the public.



**ANNE M. GANNON**  
PROFESSIONAL TAX COLLECTOR  
Serving you.

P.O. Box 3353, West Palm Beach, FL 33402-3353  
www.palmetto.com Tel: (561) 365-2267

LOCATED AT:  
401 West ATLANTIC AVE Ste 09  
DELRAY BEACH, FL 33444

TYPE OF RECEIPT	ISSUE	ISSUANCE TYPE	ISSUE DATE	ISSUE VALUE	ISSUE TYPE
01	01	01	01	01	01

This document is valid only when received by the Tax Collector's Office.

**STATE OF FLORIDA  
PALM BEACH COUNTY**

**2017/2018 LOCAL BUSINESS TAX RECEIPT**

**LBTR Number: 2015083703**  
**EXPIRES: SEPTEMBER 30, 2018**

This receipt grants the privilege of engaging in or carrying any business profession or occupation within its jurisdiction and MUST be conspicuously displayed in the office of business and in each manner as to be open to the view of the public.

**CITY OF DELRAY BEACH**

**BUSINESS TAX RECEIPT**  
**& CONTRACTOR REGISTRATION**

RECEIPT NO 18 30657296  
CONTROL NO 143452

RESTRICTION: NONE  
OWNER/QUALIFIER: BARTON JAMES H PE  
BUSINESS NAME: FLORIDA TECHNICAL CONSULTANTS  
LOCATION: 401 W ATLANTIC AVE RD 9  
CLASSIFICATION: PROFESSIONAL ENGINEERS

DATE ISSUED: 10/03/17  
BUSINESS TAX FEE: 181.24  
DELINQUENCY FEE: .00  
TRANSFER FEE: .00

FLORIDA TECHNICAL CONSULTANTS  
401 W ATLANTIC AVE RD-9  
DELRAY BEACH FL 33444

**TOTAL AMOUNT PAID: 181.24**

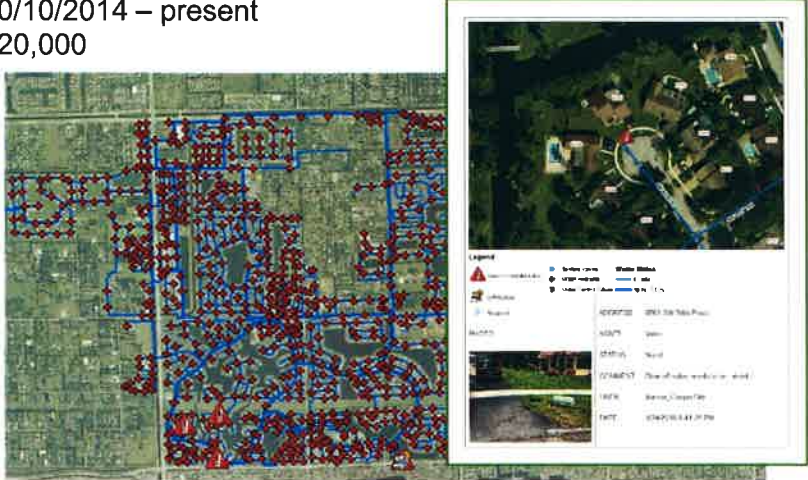

BUSINESS TAX RECEIPT STARTS FOR 10-03-2017  
OCTOBER 1 2017 TO SEPTEMBER 30 2018

**BUSINESS TAX RECEIPT MUST BE  
CONSPICUOUSLY DISPLAYED TO  
PUBLIC VIEW AT BUSINESS LOCATION**

Note: This document has special features: MULL and VCM7.7 (sewing). Business name or address is changed. Applicant must apply for transfer.



## Project Experience and References

<p><b>Cooper City</b>          Mr. Michael Bailey          11791 SW 49th Street          Cooper City, FL 33330          (954) 434-5519          mbailey@coopercityfl.org</p>	<p>FTC converted the City CAD Atlas to GIS. Systems included water, sewer and drainage. Geometric networks were set up and run for valve isolation and capacity analysis. Coordinated label hydrants with Fire Dept. Tracked progress of valve turning contractor. ArcGIS Online Applications were developed and staff trained to inventory, verify features and track emergency repairs.          10/10/2014 – present          \$20,000</p> 
<p><b>South Martin Regional Utility</b>          Mario E. Loaiza, P.E. -          Utility Director          9650 SE Water Street          Hobe Sound, FL 33475          (772)-546-6259          mloaiza@tji.martin.fl.us</p>	<p>FTC converted the utility atlas to GIS, including water and sewer. The process was complicated by the existing CAD parcel data being geographically incorrect in some cases necessitating field verification. Mobile apps were created in ArcGIS Online to validate data from the field.          5/1/2015 – present          \$20,000</p> 

**City of Marathon**

George Garrett  
9805 Overseas Highway  
Marathon, FL 33050  
Ph (305) 289-4111  
garrettg@ci.marathon.fl.us

FTC converted City CAD Atlas to GIS. A systems geodatabase had to be created to handle vacuum sewer system. CAD text data was used to populate geodatabases. ArcGIS Online Applications were developed and staff were trained to inventory and field verify features.

10/7/2014 – present  
\$10,000

Sanitary Collection Map Area 7



**Town Palm Beach**

Doug Terry  
Water Resources Division  
Manager  
Department of Public  
Works  
951 Old Okeechobee Road  
West Palm Beach,  
Florida 33401  
Phone (561) 838-5440  
Fax (561) 835-4691  
dterry@  
townofpalmbeach.com

FTC converted the CAD Atlas to GIS. Systems included sewer and drainage. CAD text data was used to populate geodatabases. Geodatabases were built to create system profiles and perform sewer capacity analysis. ArcGIS Online Applications were developed and staff were trained to inventory and field verify features.

3/24/2014 present  
\$35,000 (in progress)



**City of Boca Raton  
Utilities**

Ms. Talia Garcia  
4101 Glades Road  
Boca Raton FL 33431  
(561) 338-7307  
TGarcia@ci.boca-  
raton.fl.us

FTC provided GIS services to the City of Boca Raton Utilities converting Water, Raw Water, Reclaim Water and Sewer Data from CAD to GIS. The data was migrated into the 10.2 Local Government Model Geodatabase. Geometric networks were set up and run for valve isolation and capacity analysis. These changes will be presented to ESRI in order to update the LGIM to support these systems.

1/1/2013 – present  
\$20,000

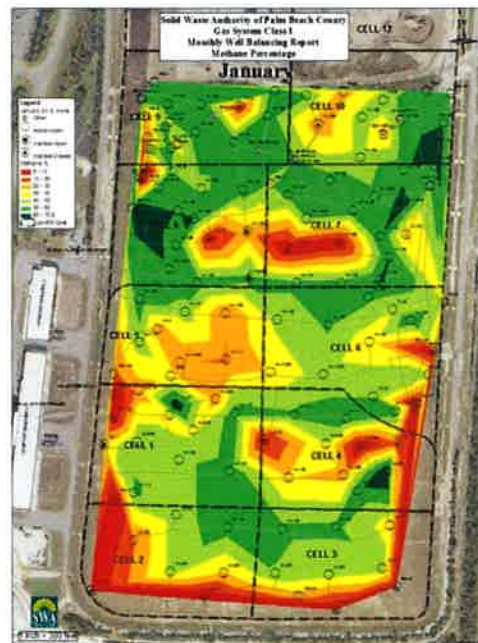


**Solid Waste Authority  
of Palm Beach County**

Ms. Josephine Rudd  
7501 N. Jog Road  
West Palm Beach, FL  
33412  
(561) 640-4000 x 4618  
jrudd@swa.org

FTC converted the Utilities CAD Atlas to GIS as a sub to another firm. Systems included site, water, sewer, drainage, leachate, electrical, gas well monitoring, water and drainage. Several methods were used to map well monitoring values to visualize trends. FTC is now training SWA staff in converting CAD drawings to GIS and maintaining the system.

09/10/2014 – present  
\$20,000





**City of Dania Beach**

Mr. Ronnie Navarro  
1201 Stirling Rd  
Dania Beach, FL 33004  
(954) 924-3615  
rnavarro@ci.dania-beach.fl.us

FTC converted the City CAD Atlas to GIS with another firm. FTC is now field verifying the system and updating the GIS using high resolution aerials and ArcGIS Online. Systems included water, sewer and drainage.  
08/10/2015 – present  
\$10,000



**Town of Davie**

Mr. Don Bayler  
Utilities Director  
7351 SW 30 Street  
Town of Davie,  
FL 33314  
Ph 954-327-3741  
Fax 954-327-3752  
Don\_Bayler@davie-fl.gov

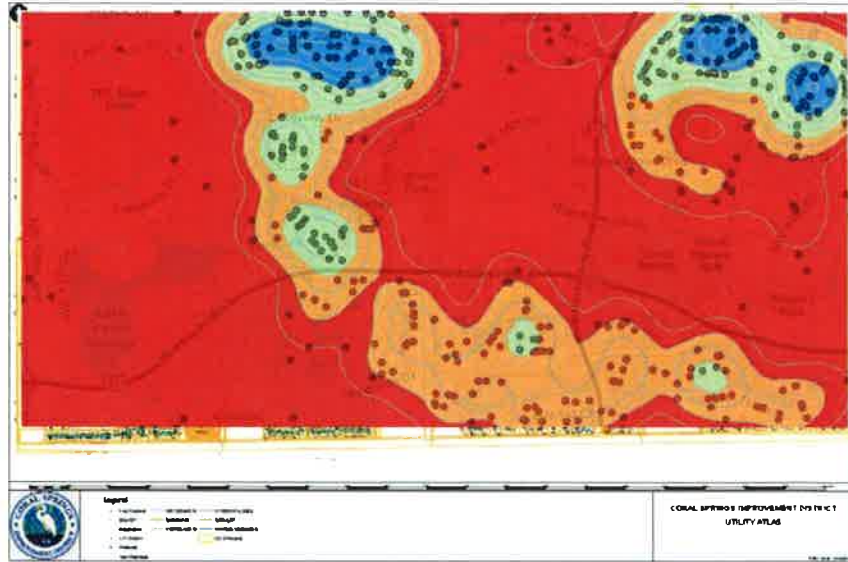
FTC converted the City CAD Atlas to GIS. ArcGIS Applications were developed and staff were trained to inventory and field verify features. Systems included water and sewer.  
09/15/2014– present  
\$20,000



**Coral Springs Improvement District**

Mr. Curt Diggins  
Supervisor, CSID  
Coral Springs FL 33071  
(954) 796 6608  
CurtD@fladistricts.com

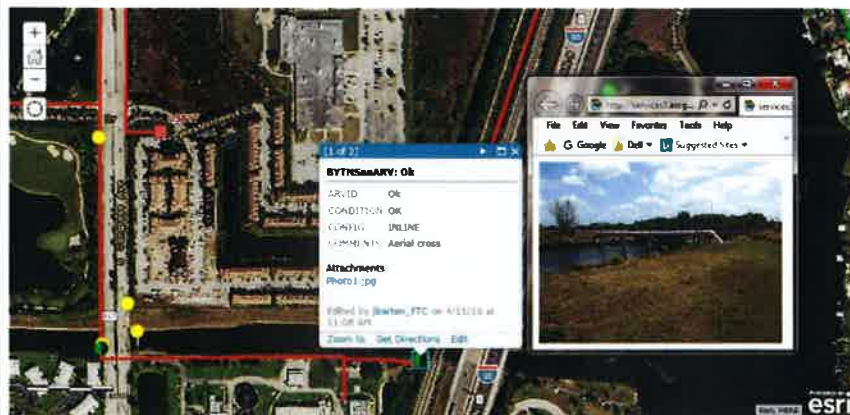
FTC provided data setup and training for the CSID to collect and input their own data into GIS. Water main breaks were mapped. Density analysis provided replacement prioritization. Training was provided ArcGIS Online field apps and desktop.  
10/01/15 – Present  
\$20,000



**Boynton Beach Utilities**

Michael Low, Manager,  
Technical Services  
Boynton Beach Utilities  
City of Boynton Beach  
124 E. Woolbright Rd.  
Boynton Beach  
Florida 33435  
(561)-742-6403  
lowm@bbfl.us

FTC created a GIS Data set to support modeling in Potable Water, Sanitary Sewer, Reclaim Water and Stormwater. Several sources of existing data were merged and topologically cleaned for snapping, node creation. Elevations were extracted and used to populate nodes. ArcGIS Applications were developed and staff were trained to inventory and field verify features.



**Village of Tequesta**  
 Mr. Sam Heady  
 345 Tequesta Dr  
 Tequesta, Florida 33469  
 (561) 722-1167  
 sheady@tequesta.org

FTC converted the Village Utilities CAD Atlas to GIS. Systems included water and drainage. Coordination was done with Martin County and Loxahatchee River District to collect their facilities and input them into GIS. Water meters were mapped by geocoding. ArcGIS Online mobile apps were created for maintenance crews to validate information from the field. All data was loaded into an asset management system.  
 09/10/2015 – present  
 \$20,000



**Village of Palm Springs**  
 Kim Glas-Castro, AICP  
 LEED AP  
 Land Development Director  
 Village of Palm Springs  
 226 Cypress Lane  
 Palm Springs, FL 33461  
 Phone: 561-965-4016  
 Fax: 561-439-4132  
 kglas-castro@vpsfl.org

FTC serves as the GIS Department for the Village supporting:

- Utilities
- Public Works
- Planning and Zoning
- Libraries
- Parks
- Police



Village GIS functions include:

- Maintaining Addresses
- Demographic studies
- CRA Analysis and Mapping
- Mapping Police zones
- Online public facing maps
- Story maps for Civic Engagement

FTC has been growing GIS throughout the organization through:

- Meeting with departments
- Developing GIS Data and Maps
- Training and follow-up with users to promote GIS





## **James Barton, P.E., LEED AP**

### **Education**

Bachelor of Science, Civil Engineering, Queens University (Canada), 1990

### **Registration**

Professional Engineer, Florida, 59257, 2003

### **Professional Affiliations**

American Society of Civil Engineers  
American Water Works Association  
Florida Engineering Society  
Urban and Regional Information Systems Association (URISA)

### **Certifications**

ESRI Authorized Trainer  
LEED Accredited Professional

Mr. Barton has over 20 years of engineering experience both internationally and domestically. The main focus of his international experience includes engineering design and project management of water and sanitation programs, including water resources, infrastructure rehabilitation and GIS implementation. His domestic experience includes environmental engineering, utilities and road construction. Mr. Barton routinely integrates GIS technology with engineering.

He is working with ESRI developing software tools to assist in detail design and his experience with implementing GIS/ GPS for construction field inspection. He is currently studying towards a Certificate in Integrated Watershed Management and a Certificate in Visual Planning (GIS Technology).

He has been using GIS in engineering since 1999 and became an ESRI Authorized Trainer in 2003. Since then, he has provided training to over 75 students in various organizations and disciplines. His specialty is training for people specializing in utilities, public works and engineering, but he has also trained fire, police and city administration.

He started using GIS in his day-to-day activities for simple outputs such as construction maps for contractors and public information campaigns. This led to using GIS for permit maps, analysis and project planning for proposals and finally design projects. In 2004, he started working with ESRI developing GIS tools that could be used for detailed design and transferring data out of and into the CAD environment.

These tools have been presented at numerous conferences and user group meetings. One of the latest developments is linking design tools with existing LIDAR data. This allows for conceptual design with real elevations without the survey, taking survey out of the critical path of project planning.

Mr. Barton has provided training to

- Chen and Associates, 2004, 2005
- Islamorada, Village of Islands, 2005
- City of Sunrise, 2006
- City of Marathon, 2006, 2009
- Monroe County Property Appraisers Office, 2006
- Wantman Group, 2007
- Florida Keys Aqueduct Authority, 2007
- City of Dania Beach, 2007
- City of Miami Gardens, 2009
- Coral Springs Utilities 2011
- Highland Beach 2015
- Town of Davie 2015
- Coral Springs Improvement District 2016

Mr. Barton also founded the Florida Utility User Group, which works on integrating GIS technology into engineering. The group currently has over 300 members.

## Matthew A. Kurry

### Education

Florida Atlantic University, Boca Raton, Florida, College of Science Department of Geography and Geology Graduate Program, Geographic Information Science emphasis, Graduation May 2004

Awarded a Graduate Teaching assistantship in World Geography Spring 03-04 & Map Analysis Spring04 Elected to Gamma Theta Upsilon International Geographical Honor Society

West Virginia University, Morgantown, West Virginia. College of Liberal Arts; Geographic Information Science/ Remote Sensing Major, December 2001 graduation

Elected to serve two semesters as student Teaching Assistant in Communication Studies.

### Computer / Technical

Geographical Information Systems/Remote Sensing: ESRI ArcGIS and components 8.3-10, MapInfo Professional & AnySite Package, Microsoft Street and Trips 2012, Tremble GPS & components, Erdas Imagine 3D GIS, GeoVec, Alteryx Engine ESRI Virtual Campus training, CAD to GIS conversion, Digital image interpretation, Photogrammetry, LIDAR,

Database Management: Business Objects, Oracle, MS Access, ESRI SDE 9.1

Operating Systems: Windows NT, XP, Unix, DOS, Linux

Miscellaneous: Adobe Photo Shop, Digitizing, Large Format Scanning and Printing, Web Page Design

Mr. Kurry has strong analytical and technical skills with current Geographic Information Systems experience. He has familiarity and real world practice with ESRI and MapInfo products, remote sensing, data validity and collection techniques. Mr. Kurry received both a Masters and Bachelors in Geography with coursework in GIS, remote sensing, and Urban and Regional planning. Proven team player and individual contributor with valuable leadership and mentoring skills.

Florida Technical Consultants.  
November 2015-Current.

Employed as a Senior GIS Consultant responsible for utilities data migration and integration. Accountable for providing GIS support services to municipalities, engineering firms and contractors. Assignments include

- CAD to GIS conversion,
- ArcGIS Online application development
- GeoCode geographic data sets (meters, etc)
- Large data migrations
- Utility atlas production
- On-Site Field Training

Broward County School Board.  
March 2014-November 2015.

Served as a daily substitute teacher in Broward County public schools. Provided classroom instruction at assigned institution.

Robert K Futterman. New York,  
November 2012-February 2014.

Senior GIS Analyst at national retail real estate firm. Primary responsibilities include creation of competition maps, demographic analyses and maintenance of a proprietary database.

Toys R US Corporate. Wayne New Jersey,  
December 2011- November -2012.

Research analyst at Toys R US corporate head quarters. Responsible for conducting GIS Based analytical research and location selection.

NOVA Southeastern University. Ft. Lauderdale,  
School of Business and Entrepreneurship,  
April 2010- December 2011.

Employed by NOVA University teaching GIS for Marketing to MBA students in the Real Estate

Broward College. Davie Campuses,  
December 2009 - December 2011.

Geography professor. Classes included GIS 1&2, Remote Sensing, World Geography, Natural Resources, Human Geography and Introduction to Geography.

City of Oakland Park Florida.  
April 2011-September 2011.

Contract GIS analyst to digitize and update existing utility atlas, analyzing aerial photography to locate and digitize utility sewer features such as manholes, lift stations and sewer lines. Use ground control points to orthorectify raster images to be overlaid on aerial photography.

## Jennifer Marangos M.A., GISP

### Education

Master of Arts, Geography: Geographic Information Systems, Florida Atlantic University, (USA) 2002

Bachelor of Arts, Geography, Florida Atlantic University (USA), 1996

Environmental Studies Certificate, Florida Atlantic University (USA), 1995

### Professional Affiliations

- Florida Urban and Regional Information Systems Association (FLURISA)
- Palm Beach Countywide GIS Forum
- Association of American Geographers
- Florida Society of Geographers (FSG)

### Summary

Ms. Marangos is a Senior GIS Analyst with 19 years of experience using and developing GIS data and applications. The main focus of her experience has been in government installations where she specialized in GIS implementations and training Citywide. While working for the government Ms. Marangos specialized in Public Safety, Fire Rescue, Police, EOC, Parks, and Utilities GIS. She is selfdirected and managed her projects setting timetables for deliverables directly with the departments, recommending software, applications and developing training materials. She used the full suite of ESRI GIS software including but not limited to, ArcGIS, Desktop, ArcGIS Server, and ArcSDE. She has experience using ArcGIS online, GPS data collection, and mobile GIS.

### Training

Ms. Marangos has given training in the following applications.

- Pictometry
- ArcGIS Desktop for Planners
- Mobile Damage Assessment
- GPS Camera integration
- GeoSpan – GeoVista
- CrimeView Web
- FireView
- How to Series on basic GIS concepts

### Software Training

Ms. Marangos has completed training in the following softwares. ArcMap, ArcServer, ArcSDE, ArcIMS, ArcPad, SQL Server, MS Access, MS Office, Crystal Reports, Avenue programming, Flex API, and ArcGIS Online.

### Software Knowledge

Ms. Marangos is a proficient in the following software.

- ESRI ArcMap, ArcServer, ArcSDE, ArcPad, ArcGIS Online
- MS IIS, Access, SQL Server
- IBM HTE
- GTG Looking Glass Web
- Pictometry EFS
- Robly, Hootsuite
- GeoVista by GeoSpan
- SunGard OSSI CAD Mapping
- Omega Group CrimeView, CrimeView Web and FireView
- Trimble GPS
- CarteGraph's SignView and Signal View
- PhotoLink Digital Camera GPS
- Palm Beach County's Rapid Damage Assessment Application
- DTS VueWorks
- Safe Software's FME

### Community

A volunteer for the South Florida GIS Expo planning committee for the past 18 years, the former Chair of the Palm Beach Countywide GIS Forum for 4 years, and a FLURISA board member since 2005, currently the South Section Executive. Jennifer is an active participant in the wider GIS community. In addition she does outreach for the promotion of GIS in Florida schools.



## **Christopher A Anderson (Contract Employee)**

### **Education**

Associate of Science, Computer Aided Drafting, ITT Technical Institute, 2003

Mr. Anderson serves as a CAD Designer. His previous experience includes designing subdivisions in California as well as Utah. In addition, he has been utilizing Civil3D for design and plan production.

While assisting FTC, Mr. Anderson routinely receives CAD files from contractors / engineering firms, converts the digital CAD into GIS friendly layers and transposes them into correct coordinate spaces. Doing some of the CAD cleanup work before migrating into GIS often saves enormous amounts of time and money for the client.

### **The following projects reflect Mr. Anderson's previous work experience while with another firm:**

Broadview Park Bid Pack 3. The Broadview Park Neighborhood Improvement Project (BPNIP) was the last of the Neighborhood Infrastructure Improvements projects to be carried out by Broward County in the unincorporated areas. This Bid Package addressed the sanitary sewer and drainage improvements, as well as improvements to the community's sidewalks, roadway and landscape. These improvements consisted of 47,000 linear feet of gravity sewer, 6,200 linear feet of 8" force main, 20,100 linear feet of drainage pipe along with roadway restoration and new sidewalks for a total construction cost of approximately \$13.3 million. The gravity sewer system was designed using a GIS capacity analysis tool that calculated and summarized the flow rates for each parcel in the service area. GIS was utilized during the permitting phase to graphically show the flow for each pipe and during construction to track resident complaints, track the work that had been completed and estimate the Contractor's variance from the original schedule.

Riviera Beach Blue Heron Boulevard. Relocation of utilities in conjunction with the Florida Department of Transportation road widening project on Blue Heron Boulevard. The project includes coordination with the City to determine the location and condition of existing City-owned facilities including water mains, raw water mains, gravity sewer and force main. Based on the

conflicts identified between City facilities and the future

FDOT facilities, design drawings will be produced for the utility relocations and replacements. Extensive coordination with the Florida Department of Transportation is necessary to determine funding sources, location of proposed facilities, scheduling and permitting. Coordination is also required with the Palm Beach County Health Department for permitting.

Riviera Beach Dyer Rd and Haverhill Blvd. Coordinating the relocation of underground utilities which are in conflict with the proposed road widening project for Dyer Blvd. and Haverhill Road. Once site visits were completed he coordinated with several agencies to estimate the scope of services required for this relocation.

The scope of service included the following:

- Coordination with Palm Beach County
- Coordination with City
- Coordinate with Palm Beach County Health Department
- Additional test holes for utility locates
- Prepare relocation design plans
- Permit assistance
- Bidding assistance
- Construction administration

RBUD Blue Heron Congress. Coordinated the relocation of underground utilities w proposed road widening project.