

CRAIG A. SMITH & ASSOCIATES, INC.



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# Request for Qualifications No. 12-004

## Professional Surveying Services

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Contact Information:  
Craig A. Smith & Associates  
7777 Glades Road, Suite 410  
Boca Raton, FL 33434  
Tel: 561-314-4445 Fax: 561-314-4457  
Contact: Robert D. Keener, P.S.M.

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## **SECTION 1**

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# CRAIG A. SMITH & ASSOCIATES

7777 Glades Road • Suite 410 • Boca Raton, Florida 33434

CONSULTING ENGINEERS • SURVEYORS • UTILITY LOCATORS • GRANT SPECIALISTS

W W W . C R A I G A S M I T H . C O M

August 8, 2012

City Clerk  
City of Key West  
3126 Flagler Avenue  
Key West, FL 33040

**RE: REQUEST FOR QUALIFICATIONS NO. 12-004  
PROFESSIONAL SURVEYING SERVICES  
CAS PROPOSAL NO. 2887**

Dear City Clerk:

For your consideration, Craig A. Smith & Associates, Inc. (CAS) is pleased to submit this response to your Request for Qualifications for Surveying Services.

Our growing list of clients encompasses all levels of government, business and industry, where every assignment, regardless of size and complexity, receives full attention. Our experience of over **30 years** of Surveying Services throughout South Florida, has allowed us to establish a pattern of operations designed to deliver optimal results to our clients. We call it ....TEAM WORK.

Key personnel are assigned to each project. Their responsibility is to develop a comprehensive work flow schedule providing for timely completion of each project based on the requirements and goals as set forth by the City. Each step is monitored and reviewed for completion and accuracy. By establishing a series of carefully delineated controls, and maintaining constant supervision over every job in progress, we are able to recognize and solve potential problems in advance, thereby avoiding unnecessary and costly job delays to our clients.

In addition to Gene R. Schriener, P.E., President of CAS and Stephen C. Smith, P.E., Senior Vice President of CAS, Robert D. Keener, P.S.M., Vice President of Survey for CAS will serve as Project Director/Manager for this contract with the City of Key West and is authorized to make representations on behalf of Craig A. Smith & Associates. Mr. Schriener, Mr. Smith, as well as Mr. Keener can be reached at the CAS Corporate Headquarters located at 7777 Glades Road, Suite 410, Boca Raton, FL 33434 or via telephone at (561) 314-4445.

CAS has the history and stability to provide professional surveying services second to none. CAS has extensive experience providing Surveying Services for numerous Florida municipalities and counties, such as the City of Oakland Park, Okeechobee County, Glades County, Town of Golden Beach, the Village of Bal Harbour, Town of Pembroke Park, City of Sweetwater and the City of Moore Haven, as well as Port Everglades.

In addition to those services, **CAS brings unique and exclusive 3D underground mapping and utility locates capability that can save the City time and money.** This capability will allow the City to **avoid costly mistakes and disruptions of services to City residents** as projects get underway. Our **3D** technology also ensures CAS' commitment and ability to complete all projects **on**



**time and within budget. This technology is useful for creating and updating GIS systems. CAS has the specialized staff in-house to assist the City with GIS mapping and for NPDES compliance.**

CAS is the **only licensed provider of 3D technology** through our wholly owned company MPS3D. With this technology MPS3D has mapped the **White House Lawn** in Washington D.C., **Interstate 595** for FDOT and has done projects for **NASA, The U.S. Military** and many other clients. MPS3D does more than locate underground pipes. Through our **3D technology we can differentiate between metallic and non-metallic pipes**, a capability unique to MPS3D/CAS that no other firm or technology can provide. This capability brings Value Added Radar Scanning providing project accuracy and **limiting the City's liability during construction.**

CAS understands and positively commits to providing the services required by the City. CAS is especially pleased to have this opportunity to provide our qualifications to the City of Key West for your favorable consideration.

Sincerely,

**CRAIG A. SMITH & ASSOCIATES**

A handwritten signature in blue ink, appearing to read 'Robert D. Keener', with a long, sweeping horizontal line extending to the right.

Robert D. Keener, P.S.M.  
Vice President of Survey

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## **SECTION 2**

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## FIRM OVERVIEW

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Craig A. Smith and Associates, Inc. (CAS) is a Florida Corporation licensed for the practice of Professional Engineering, Surveying, Construction Management and Utility Locates Services.

**Palm Beach Office:**

Corporate Headquarters  
7777 Glades Road  
Suite 410  
Boca Raton, Florida 33434  
(561) 314-4445

**Broward Office:**

277 Goolsby Boulevard  
Unit 4C  
Deerfield Beach, Florida 33442  
(954) 782-8222

**Miami-Dade Office:**

799 Brickell Plaza  
Suite 804  
Miami, Florida 33131  
(305) 940-4661

**CAS was established in 1980.** Since then, the firm expanded from its original, technical orientation in municipal engineering and surveying into a full service civil engineering practice with specialized expertise in Engineering, Surveying & Mapping, Grants/Loan Assistance, Construction Management, Utility Locates and CAD Design & Development.

**Size** - CAS professional, technical and administrative personnel numbering 30+ people represent professionals in the fields of civil engineering, water and wastewater engineering, storm water engineering, surveying, mechanical engineering, construction engineering, grant specialists, utility locating, computer sciences and finance.

**Organization** - CAS is organized into five technical operating divisions each under the supervision of a Vice President or Director. These operating divisions are:

- **Civil Engineering**
- **CAD Capability**
- **Construction Management**
- **Surveying**
- **Subsurface Utility Locates**

**Philosophy** - CAS is committed to providing its clients with cost-effective, timely, comprehensive, high-quality professional services in the practice of engineering, surveying, construction management, utility locating and grant/legislative services. This commitment to excellence is achieved through the development of a team spirit of service to clients.

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**CRAIG A. SMITH & ASSOCIATES**

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# FIRM OVERVIEW

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**Craig A. Smith & Associates (CAS) is a client-oriented firm tailored to serving the needs of many governmental clients. We currently serve numerous Florida counties, cities, special districts and utility authorities. CAS is highly experienced and qualified to perform consulting services with respect to Civil Engineering - specifically, Stormwater Engineering and Utility Engineering, Surveying, Construction Management, Utility Locates and CAD Design & Development.**

## **CIVIL ENGINEERING**

CAS provides a full range of engineering consulting services to clients such as water, sewer and stormwater systems. Our engineers and trained specialists have extensive experience in assisting municipalities, counties and private sector clients with daily engineering needs such as planning, design, permitting and construction of cost-efficient utility systems. CAS Engineering Consulting Services include:

- Storm Water Management
- Storm Water Utilities
- Water Treatment & Distribution Systems
- Wastewater Collection & Treatment
- Potable Water Treatment Systems
- Pump Station Design
- Construction Management
- Treatment Plant Rehabilitation
- Effluent Reuse & Disposal
- Sludge Treatment & Disposal
- Surface Water Management
- Facility Planning
- Solid Waste Studies
- Solid Waste Disposal and Leachate Treatment
- Utility Pipeline Design & Relocation
- Development Permitting
- Feasibility Studies
- Construction Cost Estimate
- Construction Observation and Certification
- Contract Administration

## **SURVEYING**

CAS is one of the largest surveying firms in South Florida and provides complete land surveying services. Our surveying staff is comprised of licensed land surveyors who adhere to strict standards and give special attention to accuracy and detail. CAS utilizes the most modern electronic measurement equipment and has radio dispatched vehicles to provide immediate and accurate communication. Quality control measures are also implemented daily to ensure that our clients receive the highest quality service. CAS Surveying Services include:

- Mapping & Platting
- Boundary & Acreage Surveys
- Land Description Preparation
- Construction Surveys
- Subdivision Designs & Calculation
- GPS Mapping
- Route Surveys
- Canal Cross-Sections
- Parcel Description & Sketches
- Condemnation Surveys
- Highway Construction Surveys
- Quantity Surveys
- Accident Surveys
- As-Built Certifications
- Mean High Water Surveys

## **CONSTRUCTION MANAGEMENT**

The CAS Construction Management Team has a combined total experience of nearly 100 years. CAS Field Representatives are qualified to perform a full-service program, assuring total monitoring on-site to protect the client's interest on their projects. The CAS Construction Management Team

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## **FIRM OVERVIEW**

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will keep the client informed of all facets of construction including, but not limited to, weekly progress notices, advice on any change orders and monthly monitoring of project finances.

The Construction Management Team of professionals provide extra attention to detail to ensure that all projects are built to specifications and are fully operational to meet the needs of our client. CAS Construction Management Services include:

- Value Engineering
- Design Document Review
- Contract Administration
- Contract Documents
- Construction Management
- Construction Engineering & Inspection
- Cost & Payment Verification
- Bidding Coordination
- Contract Negotiation
- Residential/Commercial/Municipal Project Observations

### **CADD CAPABILITY**

CAS employs three (3) out of the seventy (70) Florida Certified American Design & Drafting Association CADD Operators. Our CADD Technicians prepare detailed drawings, layouts, exhibits, topographical maps, and graphic representations of survey information & engineering designs by using computer software known as AutoCAD. Designs relate to engineering projects such as water, sewer, paving and drainage systems. Craig A. Smith & Associates prides itself in keeping its workforce educated and equipped to handle today's most challenging and rewarding tasks. CAS is utilizing the latest AutoCAD software (Civil3D 2008/2009), custom-built AutoCAD systems and functions, as well as some industry-first hardware including 3D laser scanning technologies. In summation, the CADD systems we use are:

- AutoCAD
- Autodesk Civil 3D
- Autodesk Land Development Desktop
- Autodesk Survey
- Autodesk Civil Design
- FDOT Site Menu for AutoCAD
- MicroStation V8
- GeoPak
- FDOT Site Menu
- FDOT EDI

### **SUBSURFACE UTILITY LOCATES**

CAS provides complete subsurface utility engineering and location services utilizing the latest in electronic verification, Ground Penetrating Radar, Vacuum Excavation and GPS survey equipment. CAS can provide utility location information in various formats from simplistic 2D (two dimensional) to comprehensive 3D (three dimensional) Radar Tomography coupled with advanced software platforms such as: AutoCAD, Civil 3D or Microstation, Geopak. CAS performs Subsurface Utility Engineering providing utility mapping, electromagnetic designating, 2D radar designating, 3D radar tomography, vacuum soft digs, conventional and GPS utility surveys. CAS also provides utility coordination services, interfacing with utility owner/ operators on behalf of engineers, planners and project designers.

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# STATEMENT OF QUALIFICATIONS

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**Craig A. Smith & Associates (CAS)** is a Florida corporation licensed for the practice of professional engineering, surveying, local government assistance (grants, fiscal assistance and appropriations) and utility locates services. We are uniquely experienced in serving municipal governments with general civil and specialty expertise in utility (water and sewer) engineering, stormwater engineering, surveying, design, permitting, utility locates and project and construction management. The firm was built by developing a team of professionals with varying disciplines to service governmental client's needs. CAS has on staff the necessary professionals available for the conceptual planning, design, permitting and construction management of projects.

CAS was established in 1980. Since then, the firm has expanded from its original technical orientation in municipal engineering and surveying to a full service civil engineering practice with specialized expertise in Engineering, Surveying, Grants/Loan Assistance, Construction Management, Utility Locates and CAD Design & Development.

CAS professional, technical and administrative personnel numbering 30+ people represent professionals in the fields of civil engineering, water and wastewater engineering, storm water engineering, surveying, mechanical engineering, construction engineering, grant specialists, utility locating, computer sciences and finance.

CAS is organized into five technical operating divisions, each under the supervision of a Vice President or Director. These operating divisions are:

- **Engineering**
- **Surveying**
- **Construction Management**
- **CAD Capability**
- **Subsurface Utility Locates**

**Philosophy** - CAS is committed to providing its clients cost effective timely broad-based, comprehensive, high-quality professional services in the practice of engineering, surveying, utility locating, and grant/legislative services. This commitment to excellence is achieved through the development of a team spirit of service to clients.

## **ENGINEERING**

**Gene R. Schriner, P.E., President, Project Manager** is responsible to the operations of the 30+ member civil engineering and surveying firm with gross sales of \$5.5 Million. Mr. Schriner initiates business development opportunities and client coordination. He also supervises and manages the Governmental and Utility Consulting Department. Mr. Schriner was also involved with securing and developing over 20 municipal clients throughout South Florida. Mr. Schriner is involved with the conceptual design and planning of water and wastewater treatment projects ranging in size from 1.0 MGD up to 10.0 MGD. As County Engineer for Okeechobee County, Mr. Schriner has been responsible for the direction of all County related projects including development review, County wide stormwater improvements as well as local and state roadway improvements. Mr. Schriner has been responsible for numerous water and wastewater utility projects in Broward County, most notably in the City of Sunrise. He was directly involved with numerous utility acquisitions in Broward County. Mr. Schriner directed the production of numerous utility master plans for Broward County Cities.

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# STATEMENT OF QUALIFICATIONS

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**Stephen C. Smith, P.E.,** Senior Vice President & COO, responsibilities include management of daily business operations for 30+ member civil engineering and surveying firm with gross sales of \$5.5+ million. Oversee all areas of business including engineering, surveying, construction management services, accounting and human resources. Specifically oversees all stormwater and roadway projects including studies, reports and design. Ensure proper allocation of resources, staffing, financial management, quality control and timely project completion.

**Orlando Rubio, P.E.,** Senior Supervising Engineer, is a designer of various surface water management systems with established criteria, engineering principles, and normal construction practices. Mr. Rubio conducts field and office visits with clients, permitting agency staff, and other project coordination as necessary. Mr. Rubio worked for Broward County in the Water Resources Division. Mr. Rubio has extensive experience reviewing complex surface water management license applications consisting of administrative and legal data, engineering reports, computer program output and construction plans. Mr. Rubio conducted review in accordance with established criteria, engineering principles, and normal construction practices to produce a written report in a prescribed format. Mr. Rubio coordinated reviews with the SFWMD, FDEP and/or County agencies and the delegation of the Environmental Resource Permitting program for Broward County from SFWMD and FDEP.

**William H. Landis, P.E.,** Senior Supervising Engineer, is a mechanical engineer with over forty (40) years of experience (27 years in Florida) working with process pumping, piping, air handling, material conveyance and controls for treatment plants and pump stations. Mr. Landis has worked with CAS since 1980 and has designed, permitted, managed construction and assisted in project funding and financial analysis for numerous projects throughout Florida. Responsible for the design and operations of municipal water and wastewater utility system as well as stormwater systems and pump station design projects. Specific areas of expertise include computer design, modeling and analysis, water and wastewater instrumentation and controls, pipeline design, pump station instrumentation and controls, utility financing, rate studies, and facility planning. Responsible for design of water distribution and wastewater collection systems, lift stations and controls, improvement plans for gas, water, sewer, paving, drainage, and all engineering related to land development improvements. Has participated in and directed all of firm's sewer rehabilitation projects, to date. Responsible for utility system computer analysis and modeling, developing rate structures, rates and charges for utility systems, preparing developer agreements, utility acquisitions, utility atlas, network analysis, utility rehabilitation, utility financing and all aspects of utility design and general utility consulting work.

**Peter A. Kunen, P.E.,** Project Manager, has over ten (10) years of experience as a Project Engineer/Manager in design and construction services in water, sewer projects and stormwater pump stations. He coordinates water and wastewater permitting. Mr. Kunen has worked with several municipalities such as City of Margate, City of Okeechobee, City of Tamarac, Town of Pembroke Park, City of North Miami and Village of Bal Harbour.

**Greg Giarratana,** Senior Project Manager/Supervising Engineer, has vast experience with planning, permitting, designing and construction management of various municipal/environmental engineering projects over the last 30 years. Mr. Giarratana has successfully worked with the City of Moore Haven and has provided the planning, design, permitting, bidding and construction management services for

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# STATEMENT OF QUALIFICATIONS

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their water treatment plant. These services included the installation of the plants third multimedia filter – clearwell, 10-inch parallel watermain, VFD's on the high service pumps, a new well and an automated backwash system for the filters.

**Al Caruso, E.I.**, Project Engineer, is responsible for the design of various components of land development engineering projects including design, calculations, cost estimates and certifications, feasibility studies and Phase I environmental site assessments.

**William Tanto**, Engineering Designer, is responsible for a variety of engineering design tasks including, but not limited to, conceptual stormwater management/conveyance designs, land development site utility and grading plans, and project permit application illustration preparation. He has been providing technical engineering design tasks for Okeechobee County, Indian Trail Improvement District and Broward County School District, to name a few. Mr. Tanto also has been responsible in developing contract documents associated with referenced projects.

## **SURVEYING**

**Robert D. Keener, P.S.M.**, Vice President of Surveying, has been licensed in the State of Florida for 22 years and with over 33 years of surveying experience such as utility and stormwater master planning. As Vice President of the CAS Survey Division, Mr. Keener heads a qualified survey staff that includes both CADD and field personnel. His staff is proficient with the latest survey technology available to the industry including AutoCAD 2009. Mr. Keener was also responsible for creating Route Surveys used for engineering design for many municipalities including the Town of Pembroke Park, City of Oakland Park, City of South Bay, City of Pahokee and the City of Okeechobee.

**Mike Sarver, P.S.M.**, Senior Surveyor, has over 36 years experience and is responsible for supervising survey field crews and survey technicians for the preparation of boundary surveys, right-of-way surveys, plats, legal descriptions and sketches, earthwork computations, as-built surveys and construction surveying.

**Sandro Elvir**, Survey Coordination Manager, has over 7 years experience and is responsible for supervising survey field crews for the preparation of field traverses, control surveys, boundary surveys, right-of-way surveys, right-of-way maps, earthworks computations, as-built surveys and construction surveying.

**Greg Meadows**, Senior Party Chief, has over 7 years experience and is responsible for field management, client coordination, management of survey crew and quality assurance/ quality control issues.

## **CONSTRUCTION MANAGEMENT**

**Tony Gomes** is a Senior Field Inspector. Mr. Gomes provides assistance to the Project Engineer for the inspection of work accomplished and materials furnished by the contractor with specialized expertise in roadway and bridge construction technology.

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# STATEMENT OF QUALIFICATIONS

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**David Hansen** is a Senior Field Inspector. Mr. Hansen provides assistance to the Project Engineer for the inspection of work accomplished and materials furnished by the contractor with specialized expertise in roadway and bridge construction technology.

## **UTILITY LOCATING**

**Greg Jeffries** is our Vice President of Subsurface Utility Locates. Mr. Jeffries experience has been in construction over the last 29 years. Mr. Jeffries coordinates the utility locate crews that perform horizontal locates as well as vertical utility locating using both vacuum pothole digging and ground penetrating radar (radar tomography).

## **CAD DESIGN & DEVELOPMENT**

**Kerry J. Loggins** is our CADD Manager. Mr. Loggins manages the drafting and design department. Responsibilities include creation and implementation of company CADD standards. Design and drafting of various Civil Engineering projects such as water, sewer, paving and drainage.

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# STATEMENT OF QUALIFICATIONS

NAME	TITLE	YEARS OF SERVICE WITH CAS	TOTAL YEARS OF EXPERIENCE
Gene R. Schriener, P.E.	President, Civil Engineer	33	38
Stephen C. Smith, P.E.	Senior Vice President / Chief Operation Officer	32	32
William H. Landis, P.E.	Senior Engineer	32	50
Orlando Rubio, P.E.	Senior Supervising Engineer/Project Manager	11	24
Peter Kunen, P.E.	Senior Supervising Engineer/Project Manager	14	14
Greg Giarratana	Senior Supervising Engineer/Project Manager	14	35
Robert D. Keener, P.S.M.	Vice President of Survey	17	33
Greg Jeffries	Vice President of Subsurface Utility Locates	15	29

## Professional/Technical Staff:

NAME	DISCIPLINE	LICENSE/CERTIFICATION NUMBER
Gene R. Schriener, P.E.	Professional Engineer	Civil/Sanitary
Stephen C. Smith, P.E.	Professional Engineer	Civil
William H. Landis, P.E.	Professional Engineer	Civil/Mechanical
Orlando A. Rubio, P.E.	Professional Engineer	Civil
Peter A. Kunen, P.E.	Professional Engineer	Civil
Gregory Giarratana	Engineer	Civil/Environmental
Robert D. Keener, P.S.M.	Professional Surveyor/Mapper	Surveyor/Mapper
Michael Sarver, P.S.M.	Professional Surveyor/Mapper	Surveyor/Mapper

NAME	VOCATION
Albert J. Caruso	Engineer Designer/Project Manager
Bryce Contento	Director of Information Technology
William Tanto	Engineer Technician/ CADD Designer
Kerry J. Loggins	CADD Manager/Designer

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## PERMITTING FAMILIARITY

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**Craig A. Smith & Associates** (CAS) is very familiar with survey issues that may affect the permitting of various projects. As Surveyors attached to a medium sized Engineering Company, CAS Surveying is called upon to provide services for the design and permitting of drainage, sanitary sewer and potable/non-potable water projects in many different scenarios, as well as other types of projects. We have provided surveying services for plans taken through the Florida Department of Transportation, Florida Department of Environmental Protection, South Florida Water Management District, Cities, Villages, Towns and Counties throughout the State of Florida. In addition, CAS Surveying has completed many construction staking projects and submitted the required Record (As Built) Surveys for the final "sign offs" at completion.

In summary, CAS is best suited and qualified to provide professional services in-house for the City of Key West projects.

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**CRAIG A. SMITH & ASSOCIATES**

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# *State of Florida*

## *Department of State*

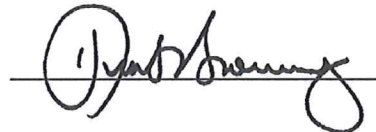
I certify from the records of this office that CRAIG A. SMITH & ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on August 7, 1980.

The document number of this corporation is 681464.

I further certify that said corporation has paid all fees due this office through December 31, 2012, that its most recent annual report was filed on January 3, 2012, and its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the Great Seal of  
Florida, at Tallahassee, the Capital, this the  
Fourth day of January, 2012*



*Secretary of State*



Authentication ID: 800215759828-010412-681464

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

<https://efile.sunbiz.org/certauthver.html>

# State of Florida Professional License

## SURVEYING



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.: **LB3110**

Expiration Date: February 28, 2013

### **Professional Surveyor and Mapper Business License**

Under the provisions of Chapter 472, Florida Statutes

**CRAIG A SMITH & ASSO OF FL INC**  
7777 GLADES RD STE 410  
BOCA RATON, FL 33434-4193

A handwritten signature in black ink, appearing to read "Adam H. Putnam".

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.

# State of Florida Professional Licenses

## SURVEYING



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.: **LS4846**

Expiration Date: February 28, 2013

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

**ROBERT D KEENER**  
950 SE ATLANTUS AVE  
FORT PIERCE, FL 34983-3906

A handwritten signature in cursive script, likely of Adam H. Putnam.

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 Pkwy Tallahassee, Florida 32399-6500

License No.: **LS4174**

Expiration Date: February 28, 2013

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

**MICHAEL DAVID SARVER**  
6700 NW 24TH TER  
FORT LAUDERDALE, FL 33309-1410

A handwritten signature in cursive script, likely of Adam H. Putnam.

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.

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## **SECTION 3**

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# Project Profiles

Craig A. Smith & Associates



**PROJECT NAME:** GLADES COUNTY/CITY OF MOORE HAVEN  
CITY-COUNTY PUBLIC WORKS PROJECTS  
MOORE HAVEN, FLORIDA

**CLIENT:** BRET WHIDDEN, MAYOR  
CITY OF MOORE HAVEN  
299 RIVERSIDE DRIVE  
MOORE HAVEN, FLORIDA 33471  
(863) 946-0711

**CONTRACT LENGTH:** ON-GOING

**CONTRACT AMOUNT:** \$100,000+

**CAS RESPONSIBILITIES:**

Initial surveys for engineering design. Layout and record ("as-built") surveys at the completion of constructed improvements.

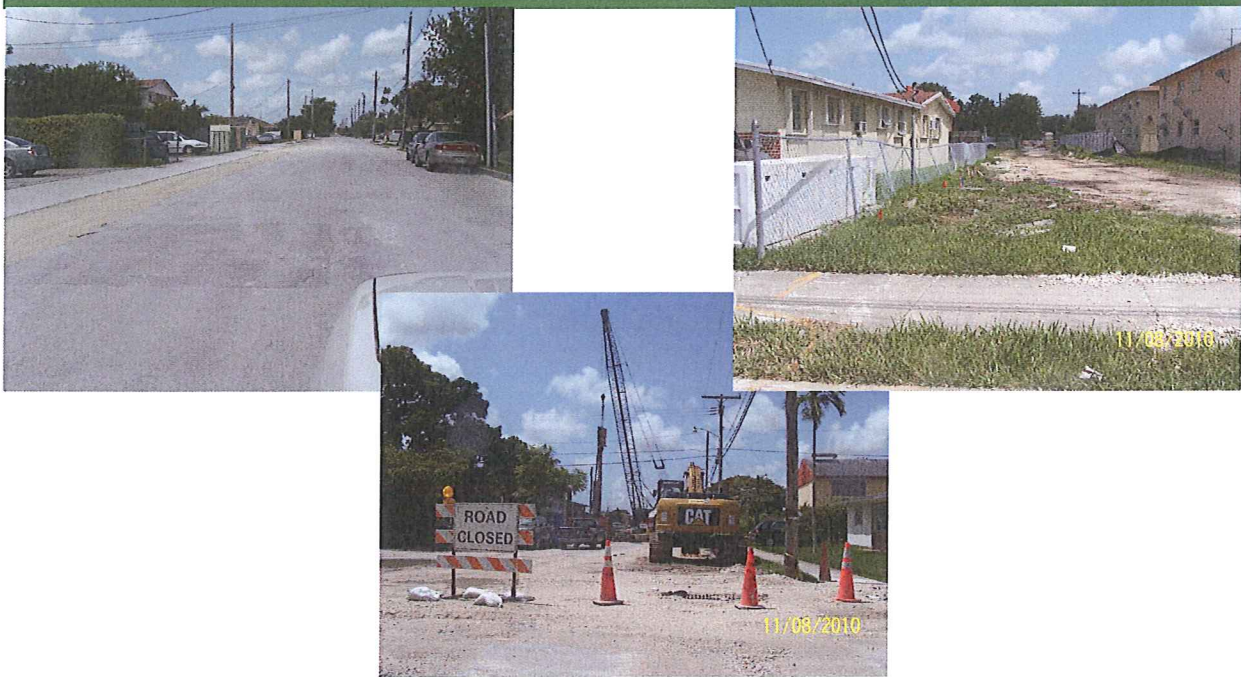


**Craig A. Smith & Associates**  
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2008  
PP02-00

# Project Profiles

Craig A. Smith & Associates



**PROJECT NAME:** STORMWATER IMPROVEMENTS & PUMP  
STATION PHASE I—IV  
CITY OF SWEETWATER, FLORIDA

**CLIENT:** MANUEL MARONO, MAYOR  
CITY OF SWEETWATER  
500 SW 109TH AVENUE  
SWEETWATER, FLORIDA 33174  
(305) 221-0411

**CONTRACT LENGTH:** ON-GOING

**CONTRACT AMOUNT:** \$200,000+

**CAS RESPONSIBILITIES:**

Initial surveys for engineering design. Layout and record ("as-built") surveys at the completion of constructed improvements.



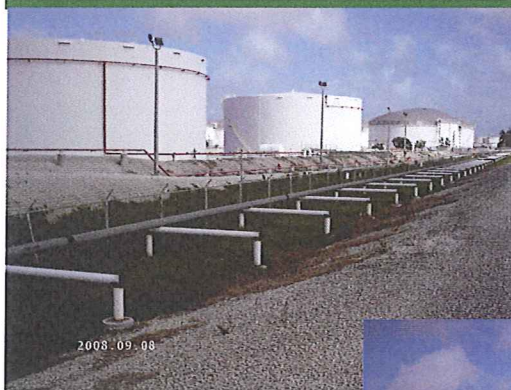
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2008  
PP02-00



# Project Profiles

Craig A. Smith & Associates



**PROJECT NAME:**

MOTIVA-PORT EVERGLADES  
BROWARD COUNTY, FLORIDA

**CLIENT:**

TOM TURNER, PROJECT ENGINEER  
MOTIVA ENTERPRISES, LLC  
910 LOUISIANA STREET, OSP 2518B  
HOUSTON, TEXAS 77002  
(713) 241-4868

**CONTRACT LENGTH:** ON-GOING

**CONTRACT AMOUNT:** \$30,000+

**CAS RESPONSIBILITIES:**

Boundary and Topographical Survey for location of fuel lines at the Port Everglades Authority in Fort Lauderdale. Also included were the locations of railroad spur line features, underground utilities, etc.



**Craig A. Smith & Associates**  
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2008  
PP02-00

# Project Profiles

Craig A. Smith & Associates



**PROJECT NAME:** CAPITAL IMPROVEMENTS  
TOWN OF GOLDEN BEACH, FLORIDA

**CLIENT:** ALEXANDER DIAZ, TOWN MANAGER  
TOWN OF GOLDEN BEACH  
1 GOLDEN BEACH DRIVE,  
GOLDEN BEACH, FLORIDA 33160  
(305) 932-0744

**CONTRACT LENGTH:** 48 MONTHS

**CONTRACT AMOUNT:** \$1,000,000+

**CAS RESPONSIBILITIES:**

Design Surveys for Engineering. Construction layout and record ("as-built") surveys at the completion of constructed improvements.



**Craig A. Smith & Associates**  
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2008  
PP02-00



# Project Profiles

Craig A. Smith & Associates



**PROJECT NAME:**

INTERSTATE 595  
BROWARD COUNTY, FLORIDA

**CLIENT:**

RAY RIVAS, P.E.  
AECOM  
10368 SR 84 WEST, SUITE 103  
DAVIE, FLORIDA 33314  
(954) 513-3860

**CONTRACT LENGTH:** 18 MONTHS

**CONTRACT AMOUNT:** \$1,000,000+

**CAS RESPONSIBILITIES:**

Surveying of sub-surface utility mapping for entire length of project. Includes 2D utility mapping, 3D radar tomography and test hole "soft dig" locating and vertical data of utilities.



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## **SECTION 4**

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**CRAIG A. SMITH  
& ASSOCIATES**

**CITY OF KEY WEST**

**CRAIG A. SMITH & ASSOCIATES  
SURVEYORS \* UTILITY LOCATORS \* ENGINEERING**

**Robert D. Keener, P.S.M.**  
Vice President

**PROJECT DIRECTOR &  
MANAGER**

**QUALITY ASSURANCE /  
QUALITY CONTROL TEAM**

**Stephen C. Smith, P.E.**  
Sr. Vice President & COO

**SURVEYING**

**Robert Keener, P.S.M.**  
Vice President  
**Responsibility:** Survey Department Oversight  
**Years with Firm:** 17

**Michael Sarver, P.S.M.**  
Senior Surveyor  
**Responsibility:** Project Oversight  
**Years with Firm:** 7

**Gregory Meadows**  
Senior Party Chief  
**Responsibility:** Crew Oversight  
**Years with Firm:** 12

**Sandro Elvir**  
Survey Coordination Manager  
**Responsibility:** Field to Office Integration  
**Years with Firm:** 8

**UTILITY LOCATES**

**Greg Jeffries**  
Vice President  
**Responsibility:** SUE Oversight  
**Years with Firm:** 15

**Alan Lopez**  
General Manager, Utility Locates  
**Responsibility:** Utility Locating Oversight  
**Years with Firm:** 12

**James Driscoll**  
Radar Tomography Manager  
**Responsibility:** RT/Utilities and Survey Integration  
**Years with Firm:** 18



**ROBERT D. KEENER, P.S.M.**

Vice President

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**RESPONSIBILITIES:** Responsible for the operations of the company's survey department including survey field crews and survey technicians.

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**EDUCATION:** Atlantic Community College, Mays Landing, New Jersey  
A.A. Degree – 1979

Seminars in Land Surveying:

Minimum Technical Standards Seminar, Palm Beach Junior College – 1988

Introduction to Computer Aided Drafting, Indian River Community College – 1988

Tidal Boundary/Coastal Construction Control Lines, Stuart, Florida – 1989

Writing Legal Descriptions, Vero Beach, Florida – 1990

As licensure requirements, Mr. Keener has attended 24 hours of continuing education courses each bi-annum period since 1990.

**PROFESSIONAL AFFILIATION:** Florida Surveying and Mapping Society

**REGISTRATION:** Professional Surveyor and Mapper, Florida #4846

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**EXPERIENCE:**

2005 – Present **Craig A. Smith & Associates, Boca Raton, Florida**  
Vice President of Surveying

Overseeing all aspects and operations of the company's surveying division.

1999 – 2005 **Craig A. Smith & Associates, Royal Palm Beach, Florida**  
Senior Surveyor and Mapper

Responsible for the supervision of all survey personnel in the Royal Palm Beach Office. Coordinates and supervises the production of legal descriptions, parcel sketches, boundary surveys, earthwork calculations, plat preparation and right-of-way mapping for several projects.

Project experience includes:

**SEMINOLE PRATT WHITNEY ROAD EXTENSION**

- Researched public records for proposed extension of Seminole Pratt Whitney Road from Northlake Boulevard north to Beeline Highway involving Indian Trail Improvement District and Scripps Research Institute Center.
- Calculated corridor for future route survey to show relationship of existing improvements.
- Supervised field and office work, tying control traverse to Palm Beach County monumentation.

**M-CANAL WATER LINE EXTENSION**

- Researched, gathered and analyzed information for nine (9) mile water line extension through western Palm Beach County.

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**CRAIG A. SMITH  
& ASSOCIATES**



**ROBERT D. KEENER, P.S.M.**

Vice President

- Performed calculations for corridor to facilitate design and oversaw all fieldwork.
- Supervised construction staking for water line.
- Supervised preparation of record surveys.

**STATE ROAD 7 EXTENSIONS**

- Researched public records/FDOT information for State Road 7 alignment north of Okeechobee Boulevard.
- Performed calculation for alignment.
- Supervised preparation of base maps for use by engineers in completing feasibility study (Exhibits).

**BANYAN VILLAGE UTILITY EXPANSION – PORT LABELLE/HENDRY COUNTY**

- Performed calculation for re-establishment of FDOT baseline along State Road 80 from existing water treatment plant, east for eight (8) miles for water main extension.
- Supervised field and office work in preparation of base maps for engineering design.
- Prepared boundary and topographic survey of existing water treatment plant for future expansion.
- Calculated existing utility easements and State Road 80 rights-of-ways from legal descriptions for inclusion to base maps.

**WAUCHULA HILLS SERVICE AREA - HARDEE COUNTY**

- Performed calculations for six (6) mile +/- route survey along U.S. 17 and State Road 62 in Hardee County to facilitate water and sewer main extensions.
- Supervised office and fieldwork for re-establishment of FDOT baselines along U.S. 17 and State Road 62 for use in preparations of base maps for engineering design.
- Supervised preparations of base maps for engineering design.
- Prepared boundary survey for 50-acre wastewater treatment plant site utilized for design.
- Prepared wetlands survey for submittal to Florida Department of Environmental Protection.

**VANDOLAH ROAD/FORT GREEN ONA ROAD -- HARDEE COUNTY**

- Performed calculations establishing baseline for Vandolah Road and re-establishing FDOT baseline on Fort Green Ona Road.
- Supervised field and office work on base maps for engineering design to facilitate construction of sanitary force mains.
- Prepared boundary survey for design of wastewater treatment plant site.
- Supervised construction staking of force main.
- Supervised field and office work in preparation of record surveys at completion of project.

**NE 9<sup>TH</sup> STREET/CITY OF OKEECHOBEE COMMERCE PARK**

- Supervised route survey for engineering design along U.S. 441 and NE 9<sup>th</sup> Avenue, east to Taylor Creek.
- Prepared sketch and descriptions for parcel acquisitions.
- Prepared sketch and description for bridge crossing Taylor Creek.
- Supervised boundary and plat preparations for City of Okeechobee Commerce Center, including all calculations.

**CRAIG A. SMITH  
& ASSOCIATES**



- Supervised survey of the CSX railroad adjacent to the Commerce Center for construction of railroad spurs.

**CITY PLACE**

- Supervised initial boundary and topographic survey for contractor to verify take-offs.
- Performed calculations for all building placements and necessary field staking.
- Performed quality control surveys for assurance of correct building placement and conformance to plans from the ground up.
- Supervised P.S.M.'s and field crews performing construction staking of utilities, drainage, roadways, and record surveys for all site work.
- Prepared miscellaneous legal descriptions as needed.

**BELLE GLADES BUSINESS PARK**

- Supervised boundary and plat preparations for industrial park along U.S. 441.

**CRESTWOOD SQUARE PLAT**

- Supervised boundary and plat preparations for large commercial site and State Road 80.

**ROYAL PALM BEACH BOULEVARD EXTENSION – ROYAL PALM BEACH/VILLAGE OF WELLINGTON**

- Prepared survey of proposed areas of alignment.
- Prepared sketch and descriptions for land acquisition for Royal Palm Beach Boulevard south of State Road 80.
- Prepared sketch and descriptions for parcel acquisitions by the Village of Wellington.
- Calculated the baseline utilized by engineer for design and coordinated with FDOT engineer preparing plans for State Road 80 widening for continuity.

1995 – 1999

**Craig A. Smith & Associates, Pompano Beach, Florida**

Project Surveyor

Responsible for supervising field crews and survey technicians for the preparation of boundary surveys, right-of-way surveys, plats, legal descriptions and sketches, earthwork computations, as-built surveys and construction surveying.

Project experience includes:

**PAHOKEE SERVICE AREA**

- Researched and calculated corridor for construction of water main and sanitary force main along State Road 729 and U.S. 441 for six (6) +/- miles through the City of Pahokee.
- Supervised field and office work in creating base maps for engineering design.
- Supervised gathering of survey information of existing water holding tanks and wastewater treatment plant site in the City and coordination of engineering design.

**CITY OF OAKLAND PARK**

- Performed calculations for route surveys in miscellaneous areas of the City for drainage improvements.



- Supervised field and office work in preparation of base maps for engineering design.

**TOWN OF PEMBROKE PARK**

- Performed calculations for route surveys in miscellaneous areas of the City for drainage improvements.
- Supervised field and office work in preparation of base maps for engineering design.

**NE 62<sup>ND</sup> STREET EAST OF I-95, BROWARD COUNTY**

- Traverse, establish horizontal and vertical control, and set baseline. Prepare FDOT quality right-of-way survey and right-of-way map. Prepare sketch and descriptions for easements and right-of-way acquisition.

1990 – 1995

**Treasure Coast Land Surveyors, Jensen Beach, Florida**

Partner

Responsible for the supervision of all field and office work from project start to completion. Treasure Coast Land Surveyors specialize in survey work from new construction to mortgage (as-built) surveys.

1985 – 1990

**C.A. Mitchell and Associates, Inc., Port St. Lucie, Florida**

Field Crew Coordinator

Responsible for the coordination of survey crews, computations, drafting and client relations.

Project experience includes:

- Construction staking of Interstate I-95, Martin County (State job #3410),
- Reconstruction of 5.2 miles of S.R. #811 (Alt. A-1-A) Palm Beach Gardens, Florida.
- Reconstruction of U.S. Highway 1, Martin County, Florida. (Roosevelt Bridge to St. Lucie County Line).
- Construction staking of the Gardens Mall, Palm Beach Gardens, Florida.
- Construction stake-out of condominium projects including Evergreen Condominium and The Meadows Condominium.
- Site plan calculations and drafting on numerous projects in Martin, St. Lucie, and Indian River Counties.
- Field to office work on numerous mortgage surveys in Martin, St. Lucie, and Indian River Counties.

1984 – 1985

**Keith & Schnars, P.A., Stuart Florida**

Survey Crew Chief

Supervised survey field crews in completing a wide variety of surveys on residential and commercial developments.

Projects experience includes:

- Caulkins Citrus Groves, Martin County
- The Orangetree Shopping Mall
- Whispering Lakes Golf Course
- Hansons Landing, Seascape and Glenwood Condominium projects
- Whithan Field Runway Control



**ROBERT D. KEENER, P.S.M.**

Vice President

1981 – 1984

**Price Engineering, Stuart, Florida**

Survey Crew Chief

Supervised field crews for private residential surveys and flood insurance surveys. Also involved in construction layout and drafting work.

1979 – 1981

**Price Engineering, Pleasantville, New Jersey**

Instrument man

Responsible for private subdivision land surveys and the supervision of survey parties.

1978 – 1979

**Prudential Insurance Company, Northfield, New Jersey**

Debit Agent

Responsible for insurance sales for the territory of Atlantic City, New Jersey.



## **GREGORY W. JEFFERIES**

Vice President – Subsurface Utility Engineering

**RESPONSIBILITIES:** Oversee and coordinate all utility location services, construction inspections and reporting activities. Perform constructability plan reviews and construction cost estimates. Provide support to all departments regarding the areas of utility locations, land development, roadway and bridge construction.

Provide support for Business Development and Client Relations. Prepare proposals and presentations (static and PowerPoint®) on behalf of the firm.

Coordinate and develop acquisition and marketing of proprietary three-dimensional ground penetrating radar tomography system and software. Prepare and implement post acquisition marketing strategies, trademark name "GroundScope" and real-world application, training and deployment. Respond to RFP/RFQ and Proposal requests for CART Related Services. Interface with technology scientists and developers.

Oversee and coordinate start-up of outgrowth firm, MPS3D, LLC, for the strategic purpose of continued development and marketing of Radar Tomography and related subsurface imaging products.

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### **EDUCATION:**

Capella University, Minneapolis, Minnesota  
Bachelor of Science, Management & Leadership – 1996

Miami-Dade Community College, Miami, Florida  
Associate of Arts, Civil Engineering – 1986

### **PROFESSIONAL CERTIFICATES:**

American Concrete Institute Level II Certified  
FDOT Limerock & Structures Inspection Certificates  
FDOT Math & Plans Reading Certificate  
FDOT Nuclear Operator License #738  
IMSA Worksite Supervisor Certified

### **PROFESSIONAL AFFILIATION:**

American Public Works Association  
National Utility Locating Contractors Association  
Underground Contractors Association of South Florida

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### **EXPERIENCE:**

2000 – Present

**Craig A. Smith & Associates / MPS3D, LLC, Boca Raton, Florida**  
Vice President – Subsurface Utility Engineering

Responsible for complete day-to-day management and coordination of Subsurface Utility Engineering Division. Started division from the ground up including complete responsibility for personnel and equipment selections, client development and implementation as well as personnel training and evaluation. Responsible for estimates, bids, proposals and profitability. Directly supervise two utility location managers, four utility location field crews, four vacuum excavation crews and two ground penetrating radar/radar tomography and survey crews. Responsible for technology updates, personnel education, training, seminars

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**CRAIG A. SMITH  
& ASSOCIATES**





## **GREGORY W. JEFFERIES**

Vice President – Subsurface Utility Engineering

and conferences. Serve as liaison to internal and external clients on all matters relating to subsurface utility services.

Research and develop specific applications and processes for the implementation of 3D Radar Tomography. Market and promote complete range of imaging services at various venues including trade shows, conferences and speaking engagements.

1998 – 2000

**Craig A. Smith & Associates, Pompano Beach, Florida**

Director of Construction Services – Land and Transportation Divisions

Responsible for management and coordination of Land Development, Transportation and Governmental Projects, coordinating and reviewing plans, cost estimates and proposals. Performed construction site investigations and construction / constructability reviews. Managed and reviewed construction activities and supervised inspection personnel.

1996 – 1998

**Designed Traffic Installation, Fort Lauderdale, Florida**

Senior Project Manager

Responsibilities included overall day-to-day management of company operations. Prepared submittal, schedules, billing estimates, change orders, and conducted progress meetings. Supervised 200+ employee operation generating in excess of \$20MM in annual billings operating in three states.

1993 – 1996

**Craig A. Smith & Associates, Pompano Beach, Florida**

Senior Inspector/Office Engineer

Responsibilities included inspections of utilities, roadway, bridges, MOT, lighting and signalization. Prepared NPDES filing, monthly estimates and supplementals, progress reports and CEI invoicing.

1993

**Avino Associates, Pompano Beach, Florida**

Senior Inspector

Traffic signal inspection for County-wide project including; reporting, utility coordination and utility conflict resolution.

1991 – 1993

**Metric Engineering, Miami, Florida**

Senior Roadway and Bridge Inspector

Responsibilities included inspections of roadway, bridge, MOT, lighting and signalization. Also, prepared NPDES filings, monthly estimates and supplementals and supervised five subordinate inspectors.



**MICHAEL D. SARVER, P.S.M.**

Senior Surveyor

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**RESPONSIBILITIES:** Responsible for supervising survey field crews and survey technicians.

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**EDUCATION:** Palm Beach Junior College  
Associate of Science Degree in Land Surveying

West Virginia University  
Pre Med Courses – 09/70 – 05/71

Berea College, Berea, Kentucky  
General Courses – 09/69 – 05/70

**PROFESSIONAL AFFILIATION:** Florida Surveying and Mapping Society

**REGISTRATION:** Professional Surveyor and Mapper, Florida #4174  
Licensed Land Surveyor, New Hampshire #728

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**EXPERIENCE:**

2005 – Present

**Craig A. Smith & Associates, Boca Raton, Florida**  
Project Surveyor

Responsible for supervising survey field crews and survey technicians for the preparation of boundary surveys, right-of-way surveys, plats, legal descriptions and sketches, earthwork computations, as-built surveys and construction surveying.

Project experience includes:

**TOWN OF GOLDEN BEACH**

- Oversee construction layout.
- Prepare calculations for improvements.
- Oversee/certify as-builts.

**PEMBROKE PARK – 48<sup>TH</sup>, 52<sup>ND</sup> & 56<sup>TH</sup> STREETS**

- Researched public records for rights-of-way and plat information
- Calculated base information for establishment of base lines, etc.
- Supervised field and office work in production of base maps for engineering design.

**MARGATE LIFT STATION REHABILITATION (8)**

- Researched public records for right-of-way and plat information.
- Supervised field and office work in production of base maps for engineering design of lift station rehabilitation.
- Checked specific purpose surveys for each of the eight (8) lift station areas.

**PORT EVERGLADES – PIER NO. 1 SURVEY**

- Supervised field and office in production of comprehensive topographic survey with intermittent utility surface mapping.
- Supervised production of topographic map presented to the client for major remediation project.

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**CRAIG A. SMITH  
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**PLATINUM AND LOFTS CONDOMINIUM PROJECTS - MIAMI**

- Coordinated record surveys both field and office for miscellaneous utility certifications.
- Supervised field and office in preparation of final surveys and flood elevation certificates.

**ORCHID GROVE – POMPANO BEACH, FLORIDA**

- Performed calculations for the placement of numerous townhome buildings and condominium buildings.
- Supervised field and office in preparation of plot plans, tie-in surveys, final surveys and flood elevation certificates as building completed.

2003 – 2005

**Carnahan-Proctor-Cross, Inc., Margate, Florida**

Daily operation of Microstation software for creation and completion of land boundary surveys with concentration in ALTA/ACSM Land Title Surveys for land conveyance and or development. Preparation of boundary information for utilization by field survey crews and processing of collected field and record information for production of surveys. File reduction and processing of electronic field data. Assurance of quality control to projects and timely response to development projects. Composition of boundary, topographic, as-built and final surveys from field to finish with PSM certification.

1995 – 2003

**Shah-Drotos and Associates, Fort Lauderdale, Florida**

Supervision of three to five field crews, daily contact with project developers and supervisors providing necessary survey field crews. Daily project calculations using AutoCAD and Eaglepoint computer software, application of calculated data to TDS and Husky data collectors. File reduction and processing of electronic field data. Assurance of quality control to projects and timely response to development projects. Composition of boundary, topographic, as-built and final surveys from field to finish with PSM certification.

1994 – 1995

**Craig A. Smith & Associates, Pompano Beach, Florida**

P.L.S. certifications, field crew supervisor, calculation department use of Digicad software.

1990 – 1994

**Owen Haskell, Inc., Portland, Maine**

P.L.S. certifications, field to finish surveying projects of residential, commercial, and industrial nature. Experience with environmental and municipal issues relative to the surveying profession. Experience with survey cogo software and AutoCAD.

1989 – 1990

**Sarver Land Surveying, Kennebunk, Maine**

Self-employed owner offering land surveying services. Responsible for all aspects of surveying services. Responsible for all aspects of surveying operations. Marketing, business administration, field and office operations, certifications, served as expert witness.

1986 – 1988

**Underwood Engineers, Portsmouth, New Hampshire**

Managed surveying operations for civil engineering firm. Coordinated survey field operations, trained employees in field procedures.



**MICHAEL D. SARVER, P.S.M.**

Senior Surveyor

1983 – 1986

**Craig A. Smith & Associates, Pompano Beach, FL**

Survey crew party chief, performed metes and bounds and sectional lands boundary surveys: work included topographic and hydrographic field operations, field work for production of aerial mapping, condominium documentation, route location and design, subdivision development and commercial and industrial development.

1978 – 1983

**James F. Nash & Associates, Deerfield Beach, FL**

Party Chief of survey crew, performed same duties as listed immediately above.

1976 – 1977

**Glasgow Inc., Clendenin, West Virginia**

Party Chief of survey crew, performed construction layout and right of way creation of Interstate 79 through sections of the state of West Virginia.

1975 – 1976

**Lane Construction Company, Clendenin, West Virginia**

Party Chief of survey crew, performed same duties as listed immediately above. Construction of interstate highway system through West Virginia.



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**RESPONSIBILITIES:** Responsible for CADD work, drafting and supervise survey field crew.

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**EDUCATION:** ATI Career Training Center, Fort Lauderdale, Florida  
Specialized Associate Degree in Drafting & Computer Assisted Design Program 2001-2002  
(60 weeks, 1200 hours) Obtained a 4.0 GPA – AutoCad 14

National University of Honduras, Tegucigalpa, Honduras  
Completed 3 of 5 years of Bachelor program in Civil Engineering

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**EXPERIENCE:**

2004 – Present

**Craig A. Smith & Associates, Boca Raton, Florida**  
Survey Coordination Manager

Responsible for supervising a survey field crew for the preparation of field traverses, control surveys, boundary surveys, right-of-way surveys, right-of-way maps, earthworks computations, as-built surveys and construction surveying.

Project experience includes:

**I-595 EXPRESS – BROWARD COUNTY**

- Calculations for utility locates.
- Utility mapping.
- Utility test hole mapping.

**MOTIVA SITE – PORT EVERGLADES, FLORIDA**

- Created base map for addition of field information covering 21.5 +/- acres at the Motiva site.
- Processed field data for site improvements, topographic information, etc.
- Prepared boundary and topographic survey reflecting huge amount of topographic and surface utility mapping with the inclusion of one (1) foot contours.

**MICCOSUKEE WATER LINE UPGRADES – DADE COUNTY, FLORIDA**

- Created base map for the addition of field information pertaining to the project.
- Processed all field data and incorporated into base map.
- Provided base files to engineering reflecting surveys of entire governmental center, approximately six (6) miles of linear route survey along Old Tamiami Trail with miscellaneous cross-sections and locations of improvements.

**TOWN OF GOLDEN BEACH, FLORIDA**

- Created base map for the addition of field information pertaining to the project.
- Processed all field data and incorporated into base map.
- Provided base maps to various engineers for design of water line improvements, drainage, roadways and landscaping.
- Prepared miscellaneous surveys at various sites and easement descriptions.



**SLEEPY RIVER/CHERRY CREEK – OAKLAND PARK, FLORIDA**

- Created base map for the addition of field information pertaining to the projects.
- Processed field data for river cross-sections, structures and locations, to facilitate drainage improvements and FEMA grants.
- Provided base files to engineering for calculations and "take-offs" for project.

**PORT EVERGLADES – PIER NO. 1 SURVEY**

- Processed all field data, including sub-surface utility locations and vacuum excavations for test borings.
- Prepared topographical survey for entire pier depicting all visible, physical improvements and subsurface utilities.
- Provided CADD files and drawings to client for fuel remediation design.

**ORCHID GROVE – POMPANO BEACH, FLORIDA**

- Calculated site for preparation of plot plans for placement of multi-family and condominium buildings.
- Prepared plot plans, under construction tie-in surveys and final surveys for numerous multi-family buildings.
- Calculated and provided stake-out information to field crews for various site improvements including clubhouse, sidewalks, pedestrian bridge and gazebo, curbing, etc.

2003 – 2004

**Ralph D. Denuzzio & Associates, North Lauderdale, Florida**  
Survey Party Chief/Survey Technician

Responsible for CADD drafting and supervise survey field crew for the preparation of field traverses, control surveys, boundary surveys, right-of-way surveys, right-of-way maps, plats, legal descriptions and sketches, earthwork computations, as-built surveys and construction surveying.



**RESPONSIBILITIES:** Senior Party Chief responsibilities include field management, client coordination, management of survey crew, and quality control issues.

**EDUCATION:** South Dade Senior High School, Homestead, Florida  
National Correspondence Education, Survey and Mapping – 1982

**EXPERIENCE:**

2000 – Present

**Craig A. Smith & Associates, Boca Raton, Florida**  
Senior Party Chief

Coordinates all field personnel and aids in project planning and implementation. Also responsible for supervising a field crew on day-to-day basis.

Project experience includes:

**I-595 EXPRESS – BROWARD COUNTY, FL**

- GPS control for project.
- Survey control for utility dedications.
- Locate utility markings for mapping.
- Quality control.

**INDIAN TRAIL IMPROVEMENT DISTRICT – FEMA/HMGP**

- Recover Palm Beach County GPS monumentation and establish GPS network to encompass project.
- Establish baselines for topographic surveys and canal cross-sections.
- Establish vertical monumentation at each area.
- Complete surveys at each area to facilitate engineering design for drainage upgrades.

**MICCOSUKEE WATER LINE UP – GRADES, DADE COUNTY, FLORIDA**

- Established GPS network for approximately six (6) miles along linear reservation area.
- Established vertical control for future topographic surveys.

**RITZ CARLTON – MANALAPAN, FLORIDA**

- Performed control surveys for determination of positions of major reconstruction of entire hotel.
- Staked structural improvements.
- Staked site improvements including spas, pools, walks, walls, entry features, etc.
- Gathered final survey information for all improvements.

**WAUCHULA HILLS SERVICE AREA – HARDEE COUNTY, FLORIDA**

- Established horizontal and vertical control for future route surveys.
- Established baselines and cross-sectioned large rural neighborhood for upgrades to municipal water and sewer.
- Surveyed fifty (50) acre site for construction of wastewater treatment plant, including survey of environmentally sensitive areas.
- Surveyed various lift station sites for the design and rehabilitation of existing stations.



**GREG MEADOWS**

Senior Party Chief

**ENTEGRA SITE – OKEECHOBEE PARK OF COMMERCE**

- Performed boundary and topographical survey for site design.
- Staked infrastructure, buildings, etc.
- Performed interior layout including new rotary system for tile manufacture.
- Laid out aforementioned rotary's manufactured in Germany and shipped to site. Maximum 1/4" accuracy was required horizontally and 1/8" accuracy was required vertically. This accuracy was accomplished.

**CITY PLACE – WEST PALM BEACH, FLORIDA**

- Laid out site improvements including roadways, walks, utilities, etc.
- Field gathered "as-built" information for the completion of record surveys submitted to various agencies.

1995 – 2000

**Bergeron Land Development**

Survey Supervisor

Responsibilities included supervision of personnel, assisted in scheduling of sub-contractors, layout of roads subdivisions, lakes, topographical surveys, volume and layout calculations.

1993 - 1995

**C.L. Cole & Associates**

Crew Chief

Responsible for boundary surveys, layout of roads and general site development, along with coordination of subcontractors.





**JAMES F. DRISCOLL**

General Manager – Training & Radar Operations

**RESPONSIBILITIES:** Coordinate Sunshine State One Call ticket management and locating for numerous Florida municipalities. Provide assistance in the performance of electronic designating, layout, and completion of vital soft dig information for vacuum excavation projects. Perform ground penetrating radar surveys for various clients to locate and identify underground facilities. Serve as Division Training Manager and QC Auditor.

**SPECIALTIES:** Performed over 2500 G.P.R. Surveys and over 7500 miles of utility surface designating throughout the Southeastern US. Proficient with most Topcon and Sokia GPS surveying equipment, also proficient designating equipment from Metro Tech, Radio Detection, Pipe Horn, Dynatel as well as vacuum excavation equipment from Vac Masters and Utiliscope. Proficient with RAMAC X3M 500 MHz & 250 MHz with 3D GPR. Also proficient with Mala Geo Science 500 MHz & 350 MHz Easy Locator units.

**EDUCATION:** Plantation High School – High School Diploma  
U.S. Army – Basic Surveying & Engineering  
Broward Community College – Surveying 1 & 2

**PROFESSIONAL CERTIFICATIONS:** CADD Centers of Florida – CADD Technician  
Traffic Safety in the Workplace, FDOT  
Metro Tech – 9890XT Operator  
MALA GeoSciences – Ground Penetrating Radar Theory  
MALA GeoSciences – GPR Scanning Techniques  
MALA GeoSciences – Easy Locator & RAMAC X3M Operator

**PROFESSIONAL AFFILIATION:** National Utility Locating Contractors Association (NULCA)

**EXPERIENCE:**

1994 – Present **Craig A. Smith & Associates, Boca Raton, Florida**  
General Manager

Began career with CAS in the Survey Division and quickly graduated to Party Chief. Performed numerous construction layout and as-built surveys, traverse, land, property and boundary surveys as well as vast utility surveys. Performed numerous horizontal and vertical control monumentation surveys as well as right-of-way delineation surveys. Promoted to Field Crew Coordinator and CAD Draftsman to oversee the performance of eight survey crews and perform survey CAD functions for crews.

Assisted with development and implementation of in-house utility location department to support design staff, subsequently promoted to Utility Location Coordinator and assisted in development and implementation of full service Subsurface Utility Engineering Division for outsourcing and contracting with multiple entities. Current duties include supervision of seven utility locate field crews and support of four utility soft dig crews. Responsible for coordination and implementation of location personnel training and certification.

Responsible for coordination of RADAR operation and training, including implementation and deployment of proprietary 3D RADAR Imaging Technology known as CART (Computer

**CRAIG A. SMITH  
& ASSOCIATES**



## **JAMES F. DRISCOLL**

### **General Manager – Training & Radar Operations**

Aided RADAR Tomography). Performed over 1000 complex RADAR studies of underground utility installations as well as RADAR analysis of landfill areas and pipeline leak detection.

1994 – 1994

#### **NOCUTS (All Clear Locating Services), Miami, Florida**

Utility Locator Supervisor

Helped with transition from CLS to NOCUTS made effective by buyout of former SPRINT Spin-off Company. Performed electronic designating of subsurface utilities for BellSouth and FPL utility locating contracts. Processed one call request to locate tickets and investigated damage claims.

1991 – 1994

#### **Central Locating Service, Fort Lauderdale, Florida**

Utility Locator Supervisor

Performed electronic designating of subsurface utilities for BellSouth, FPL and various cable TV companies. Served as supervisor for Miami International Airport area. Subsequently promoted to District Supervisor for both Broward and Dade Counties. Performed utility locates and damage investigation claims.

1989 – 1991

#### **Craven Thompson & Associates, Fort Lauderdale, Florida**

Survey Party Chief

Started with CTA as survey crew instrument operator, subsequently promoted to Junior Party Chief / Party Chief and performed numerous survey functions. Responsibilities included horizontal and vertical control monumentation, layout and as-built surveys, traverse, land, property, right-of-way and boundary surveys.

1988 – 1989

#### **Schwebke – Shiskin & Associates, Fort Lauderdale, Florida**

Rodman / Junior Party Chief

Started with SSA as a survey crew Rodman and was promoted through instrument operator to Junior Party Chief. Performed various horizontal and vertical control monumentation, layout and as-built surveys, traverse, land, property, right-of-way and boundary surveys.

1987 – 1993

#### **United States Army, Fort Leonardwood, Mississippi**

Combat Engineer - Sergeant

Advanced Training included map reading with compass and instruments, surveying and engineering. Performed horizontal and vertical airfield control surveys, runway alignment, tactical reference stations and various base support surveys to USMILSPEC and Federal Government Standards. Promoted through ranks to Sergeant, remained with US Army Reserve until 1993. Stationed at various training facilities from May 1987 through November 1988, permanently assigned to the 841<sup>st</sup> Reserve Engineering Battalion, Fort Lauderdale, Florida from November 1988 through May 1993.



**RESPONSIBILITIES:** Provide job-site management and supervision, document and report project activities, coordinate activities of subordinates. Supervise and coordinate subsurface utility engineering and location activities including vacuum excavations and subsequent survey data on engineering and radar tomography projects.

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**CONTINUING  
EDUCATION:**

Traffic Safety in the Workplace  
State of Florida, DOT  
Contract Plan Reading  
Introduction to Fiber Optics  
Earthwork Level I Construction  
Drillshaft Installation Inspection  
Asphalt Paving Level I  
Asphalt Paving Level II

**PROFESSIONAL  
CERTIFICATIONS:**

ACI Concrete Field Testing Technician – Grade I  
IMSA Work Zone Safety Certification Program  
ATSSA Advanced Workzone Certification  
IMSA Traffic Signalization, Level I  
Troxler Electronic Laboratories, Inc.  
MetroTech – Theories of Subsurface Designating  
MALA GeoSciences – Ground Penetrating Radar Theory  
MALA GeoSciences – GPR Scanning Techniques  
MALA GeoSciences – Easy Locator & RAMAC X3M Operator

**PROFESSIONAL  
AFFILIATIONS:**

American Public Works Association (APWA)  
National Utility Locating Contractors Association (NULCA)  
Underground Contractors Association of South Florida (UCASF)

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**EXPERIENCE:**

2000 – Present

**Craig A. Smith & Associates, Boca Raton, Florida**  
General Manager, Utility Locations

Perform electronic designating of subsurface utilities; perform vacuum excavations (soft digs) of subsurface facilities. Provide and document accurate measurements and survey data related to subsurface utility locations. Provide management and oversight of locators and vacuum excavators. Review Maintenance of Traffic for utility operations and advise team members. Interface with Utility Member Operators regarding utility locations and One Call ticket management services.

1995 – 2000

**F.R. Aleman & Associates, Miami, Florida**  
Senior Inspector

Project Experience: Senior Inspector on Florida Department of Transportation (FDOT) project at I-95/ICS. Responsibilities included supervision of two inspectors, inspection of



**ALAN LOPEZ**

General Manager – Utility Locations

conduit, pull-box and drill shaft installations. Also, conduct daily review of the following Maintenance of Traffic throughout the project and the review of daily entries into field books, as-built plans as well as inspectors' daily reports.

Previous Project Experience: Boca Raton Traffic Control System – responsibilities included inspection of Fiber Optics cable installation and testing on 85 intersections, inspection of sidewalk concrete pours, conduit, pull-box and drill shaft installations and erection of 15 new signalized intersections. Miami Beach Traffic Signal Upgrade – responsibilities included concrete inspection of drill shafts.

1993 – 1995

**Aviño & Associates, Miami, Florida**

Inspector

Inspector for traffic signal upgrade project for the FDOT: responsibilities included control of materials on job; testing and sampling of material for project; inspection of traffic control devices; inspection of Class I and Class II concrete; inspection of all phases from conduit installation to placement of signal heads on mast arms.

1991 – 1993

**Metric Engineering, Miami, Florida**

Inspector

Roadway inspector for construction on two (2) FDOT projects covering 2.3 miles of roadway. Responsibilities included control of materials on job, testing and sampling of materials, inspection of traffic control devices, drainage and other various roadway inspections.

1988 – 1991

**Post, Buckley, Schuh & Jernigan, Inc., Miami, Florida**

Roadway Inspector

Responsibilities included control of materials on the job, density inspection, and asphalt inspection for multi-million dollar construction project on I-595/I-95 and SR-84.

1985 – 1988

**Reynolds, Smith & Hills Engineering, Miami, Florida**

Field Technician

Responsibilities included inspections within the casting yard for form, rebar, duct alignment, post-tensioning and grouting of single box girders on two (2) major FDOT projects, which included nine (9) segmental bridges and four (4) conventional AASHTO bridges.

**CRAIG A. SMITH  
& ASSOCIATES**

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## **SECTION 5**

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**CRAIG A. SMITH  
& ASSOCIATES**

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# LITIGATION

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## **Claims against CAS:**

- Hendry County, January 2008, claim alleged errors in the design of a water treatment plan in Port LaBelle totaling \$87,000. Upon rebuttal claim was withdrawn.
- Estate of Richard Stillman, January 2011, complaint for wrongful death. Richard Stillman was struck and killed by an automobile while riding a bike on Johnson Road, Coconut Creek, Florida in 2008. Claim was filed against 21 defendants who purportedly had some involvement in the renovation of Johnson Road in 1998 and alleged negligence in the design, striping and surface conditions of the road. CAS had no involvement and the claim against CAS was dismissed in July 2011.

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**CRAIG A. SMITH & ASSOCIATES**

**ENGINEERS ■ SURVEYORS ■ UTILITY LOCATORS ■ GRANT SPECIALISTS**


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## **SECTION 6**


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STATE OF FLORIDA )  
 : SS  
COUNTY OF Palm Beach )

By: 

Amanda J. Kidwell  
NOTARY PUBLIC, State of Florida at Large


 Notary Public State of Florida  
 Amanda J Kidwell  
 My Commission DD853842  
 Expires 01/25/2013

**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 RFQ,RFP,Bid or Contract No. RFQ No. 12-004  
for Professional Surveying Services
2. This sworn statement is submitted by Craig A. Smith & Associates, Inc.  
(Name of entity submitting sworn statement)  
  
whose business address is 7777 Glades Road, Suite 410, Boca Raton, FL 33434  
  
and (if applicable) its Federal  
Employer Identification Number (FEIN) is 59-2010476 (If the entity has no FEIN,  
include the Social Security Number of the individual signing this sworn statement.)
3. My name is Robert D. Keener and my relationship to  
(Please print name of individual signing)  
  
the entity named above is Vice President - Survey.
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 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 t 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.)

\_\_\_\_\_  
(Signature)

08/03/2012

\_\_\_\_\_  
(Date)

STATE OF Florida

COUNTY OF Palm Beach

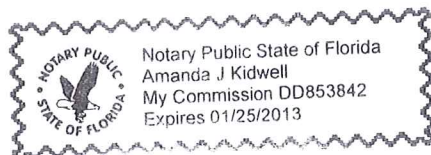
PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Robert D. Keener who, after first being sworn by me, affixed his/her signature in the  
(Name of individual signing)

space provided above on this 3rd day of August, 2012.

My commission expires: 01/25/2013  
NOTARY PUBLIC

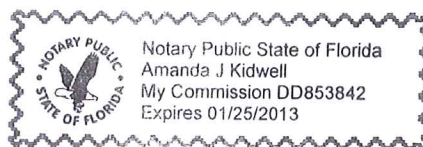
Amanda J. Kidwell



STATE OF FLORIDA )  
 : SS  
COUNTY OF Palm Beach )

By: \_\_\_\_\_

Amanda J. Kidwell  
NOTARY PUBLIC, State of Florida at Large



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