



Tom Mullin, P.E.
RADISE International, L.C.
Vice President

Geotechnical Services Group Manager
Chief Geotechnical Engineer

Professional Registration and Certifications:

- Professional Engineer, #43366 (Florida), 1990

Education:

- MS, Civil/Geotechnical Engineering, University of Illinois
- BS, Civil Engineering, University of Illinois

Capabilities:

- Water Resources Engineering
- Soils and Foundation Engineering
- Civil and Major Earthworks Engineering Design
- Civil Construction Management
- Geotechnical Instrumentation and Monitoring
- Groundwater Hydrogeology
- Quality Control Testing and Inspection Oversight
- Peer Review

Mr. Mullin has 37 years of geotechnical engineering experience (4 with RADISE, 33 with others) including water resources engineering including ports and harbors, dams and reservoirs. He has served as Chief Geotechnical Engineer on numerous projects for private and public clients including the South Florida Water Management District (SFWMD), United States Army Corps of Engineers (USACE) and Florida Department of Transportation (FDOT).



Mr. Mullin has managed projects involving major high rise towers, commercial buildings, power generating and industrial facilities, as well as transportation and landfill projects in Florida, Puerto Rico and the Caribbean.

He provides quality assurance and quality control; materials testing engineering services including soils, foundations, and geotechnical investigations; vibration monitoring; materials and systems testing; and structural and special assessments testing services.

His skills include foundation design and construction, backfilling, test programs, quality control testing procedures and documentation, installation and evaluation of geotechnical monitoring instrumentation, vibration monitoring and pile load testing. He provides quality assurance oversight; CEI documentation; construction surveillance, inspection and testing; and technical peer review.

REPRESENTATIVE PROJECTS:

Chief Geotechnical Engineer and/or Principal Design Consultant for the following projects:

East Central Regional Water Reclamation Facility (ECRWRF) Biosolids Improvement Project, Palm Beach County, FL

Geotechnical engineering and field/laboratory testing services for the new construction of a Dewatering Building and Odor Control Facility. The structures are part of an overall design package for the upgrade of the ECRWRF Biosolids Project.

Wastewater Lift Station Rehabilitation, Palm Beach County, FL

Project consisted of providing geotechnical engineering including field and laboratory testing services.

Lake Hicpochee Dispersed Water Management Plan, Glades and Hendry Cos, FL

Geotechnical Engineering Services.

Southern Transmission Main Crossing of I-95 and the Turnpike, Palm Beach County, FL

Project consisted of providing Geotechnical Engineering including field

and Laboratory Testing Services.

Eastpointe Pump Station Design, Palm Beach County, FL

Geotechnical Engineering, Engineering During Construction, Construction Material Testing and QC Services.

Hillsboro Canal Bank Stabilization, Broward and Palm Beach Counties, FL

Geotechnical Engineering and Construction Material Testing Services.

STA-1 West Expansion Area 1, Palm Beach County, FL

Geotechnical Engineering & Construction Material Testing Services.

C-44 Reservoir - Discharge Canal, Spillway Structure, Martin County, FL

Construction Engineering Inspection and Material Testing Services.

Herbert Hoover Dike Culverts 11 and 16, Palm Beach and Martin County, FL

Construction Engineering Inspection and Material Testing Services.

Herbert Hoover Dike Culverts 5 and 5A, Palm Beach County, FL

Geotechnical Engineering and Construction Material Testing Services.

Herbert Hoover Dike Culverts 4A and 3, Palm Beach and Hendry County, FL

Construction Engineering Inspection and Material Testing Services.

EAA A-1 Flow Equalization Basin (FEB) Construction, Palm Beach County, FL

Construction Engineering Inspection, QA and Construction Material Testing Services.

L-40 and L-85 Levees Evaluation, Palm Beach County, FL

Geotechnical Engineering Services.

East Coast Protective Levee Rehabilitation, Palm Beach, Broward and Miami-Dade Cos, FL

Construction Engineering Inspection, QA and Lab Testing Services.

L-8 Divide Structure, Palm Beach County, FL

Geotechnical Engineering and Construction Material Testing Services.

Compartment C, Stormwater Treatment Area, Hendry County, FL

Geotechnical Engineering for the civil design development of 6,240 acres of impounded manmade wetlands in a large Stormwater Treatment Area Flow Way.

Dredging and Spoils Containment Facility Design, 1500 Ac. Critical Lake Trafford Dredging Restoration, Collier County, FL

Geotechnical Engineering for the civil design preparation for 3 phases of the lakes dredging over a 7-year period.

Stormwater Treatment Area 5 Flow Way 3 and STA 6 Section 2, Hendry County, FL

Geotechnical Engineering for the design development of 4000 Acres of impounded man made wetlands.

Peer Design Review, Stormwater Treatment Areas 1W, #5 and #6, Palm Beach County, FL

Geotechnical peer reviews of geotechnical analyses and levee designs by others for 3 SFWMD Stormwater Treatment Areas.

720-Acre Phase I Cooling Pond, Florida Power Corporation Hines Energy Complex, Polk County, FL

Geotechnical field investigation, engineering analysis and recommendations.

Lake Hicpochee Dispersed Water Management Plan, Glades and Hendry Cos, FL

Geotechnical Engineering Services.



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REFERENCES:

Sean O'Keefe, P.E., Project Manager, R.J. Behar & Company, Inc., (561) 333-7000

Cesar E. Perez-Castaneda, E.I., C.G.C. Construction and Renovation Specialist Capital Programs Division,
Miami-Dade County Parks, (305) 755-7853

Jeremy D. Koch, PE, PMP, South Florida Water/Wastewater Manager, HDR, (305) 728-7405

Professional Registration and Certifications:

- Registered Professional Engineer, Florida #70556 (2009)

Education:

- BS in Civil Engineering - University of Wisconsin, Madison

Capabilities:

- Water Resources Engineering
- Water Control Structures
- Geotechnical Engineering
- Project Management
- Construction Materials Testing
- Construction Engineering Inspection
- Structural Engineering
- Quality Control
- Design Recommendation & Review

Mr. Stelmack has 27 years of experience (5 with RADISE, 22 with others) and an extensive history of work involving water and wastewater treatment projects. In addition to providing quality assurance and quality control services, he provides materials testing engineering services including soils, foundations, and geotechnical investigations, materials and systems testing, and structural and special assessments testing services.



He has served as Project Manager and Senior Geotechnical Engineer for numerous projects for private and public clients including the South Florida Water Management District (SFWMD), Florida Department of Transportation (FDOT) and United States Army Corps of Engineers (USACE).

His skills include planning, design, permitting and construction of new and rehabilitation of existing wastewater collection facilities including gravity collection, force mains and lift stations.

Mr. Stelmack is an expert in providing geotechnical engineering; materials, testing and inspection; and CEI services for roadway, bridge structures and interchange projects. He has provided quality assurance/quality control for a wide variety of transportation, commercial, water resources, industrial, retail and institutional projects.

He is experienced with both standard and specialty field and laboratory testing equipment. He specializes in providing design recommendations for deep and shallow foundation systems for a variety of project types (i.e. commercial structures, bridge structures, transmission and communication towers, substations, water and wastewater treatment plants, dams, highways, road development and design, embankments and retaining structures).

Mr. Stelmack prepares and reviews geotechnical and materials engineering inspection reports, coordinates and supervises engineering staff and drilling personnel, and conducts foundation observations, foundation design reviews and geotechnical instrumentation monitoring.

REPRESENTATIVE PROJECTS:

Mr. Stelmack has served as Project Manager and/or Principal Geotechnical Engineer and Engineer of Record for the following projects:

East Central Regional Water Reclamation Facility (ECRWRF) Biosolids Improvement Project, Palm Beach County, FL

Geotechnical engineering and field/laboratory testing services for the new construction of a Dewatering Building and Odor Control Facility. The structures are part of an overall design package for the upgrade of the ECRWRF Biosolids Project.



Gregory J. Stelmack, P.E.
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Eastpointe Pump Station Design, Palm Beach County, FL

Geotechnical Engineering / Engineering During Construction / Construction Material Testing / QC Services.

Lake Hicpochee Dispersed Water Management Plan, Glades and Hendry Cos, FL

Geotechnical Engineering Services.

Turkey Point Drilled Pipeline Investigation, Miami-Dade County, FL

Geotechnical Engineering and Construction Material Testing Services.

Miami Field Station Culvert Crossing/Building B47, Miami-Dade County, FL

Geotechnical Engineering and Construction Material Testing Services.

STA-1 West Expansion Area 1, Palm Beach County, FL

Geotechnical Engineering and Construction Material Testing Services.

Hillsboro Canal Bank Stabilization, Broward and Palm Beach Counties, FL

Geotechnical Engineering and Construction Material Testing Services.

C-44 Reservoir - Discharge Canal, Spillway Structure, Martin County, FL

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Construction Engineering Inspection and Material Testing Services.

Herbert Hoover Dike Culverts 5 and 5A, Palm Beach County, FL

Geotechnical Engineering and Construction Material Testing Services.

Herbert Hoover Dike Culverts 4A and 3, Palm Beach and Hendry County, FL

Construction Engineering Inspection and Material Testing Services.

EAA A-1 Flow Equalization Basin (FEB) Construction, Palm Beach County, FL

Construction Engineering Inspection, QA and Construction Material Testing Services.

Herbert Hoover Dike Rehabilitation Reach 1 - Task Orders 1, 4, 5, 6 and 9, Palm Beach Co., FL

QC / Construction Material Testing Services.

L-40 and L-85 Levees Evaluation, Palm Beach County, FL

Geotechnical Engineering Services.

East Coast Protective Levee Rehabilitation, Palm Beach, Broward and Miami-Dade Cos, FL

Construction Engineering Inspection, QA and Lab Testing Services.

L-8 Divide Structure, Palm Beach County, FL

Geotechnical Engineering and Construction Material Testing Services.

Phases I and II for 26 Water Control Structures, Broward County, FL

In-situ testing to verify the integrity of the existing soil embankments and concrete structures.

Riviera Beach Marina District South, Palm Beach County, FL



Gregory J. Stelmack, P.E.
RADISE International, L.C.
Principal Geotechnical Engineer
Senior Project Manager

Geotechnical, Environmental Engineering and Laboratory Testing Services for construction of a Park, Boardwalk Promenade, streets and sidewalks, utility improvements, parking, seawall/retaining wall along the docks and a Marina Events Center.

REFERENCES:

Paul Walanski, PE, Water Market Project Delivery Leader, Stanley Consultants, 561-584-8724

Patrick Figurella, PE, Director of Engineering, Calvin, Giordano & Associates, 561-684-6161

Dana Gillette, PE, Principal Associates, Erdman Anthony, 561-753-9723

East Central Regional Water Reclamation Facility (ECRWRF) Biosolids Improvement Project

Owner: ECRWRF Board / City of West Palm Beach

Client: Parsons

RADISE Contract Amount: \$22,000.00

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



As a subconsultant, RADISE performed the following services in accordance with the proposed scope of work: RADISE representatives visited the site and observed the planned boring locations, site conditions and reviewed access based on the provided site plan. The borings were staked by the project surveyors and located as close as possible to the planned structural areas. Sunshine One-Call was contacted to request the field location of underground utilities in the area of the borings, as per Florida Statutes. RADISE mobilized a truck-mounted drilling rig to the site and drilled Standard Penetration Test (SPT) borings, and also Hand Auger Borings within the manufactured wetland areas where the drilling access was limited. We visually classified the collected soil samples in the field and in the laboratory using the Unified Soil Classification System (USCS) in accordance with the visual-manual method of ASTM D 2488. A limited laboratory testing program was performed to identify soil index properties and assist in classifying the soils for engineering purposes (ASTM 2487). There were no change orders or amendments for this project.

A Geotechnical Report was prepared which included:

- a. Detailed graphical logs of the soil borings showing soil classifications, groundwater levels and subsurface condition profiles.
- b. Discussion of the findings and our recommendations, including site preparation and foundation design considerations for the new Dewatering Building and Odor Control Facility.

Eastpointe Pump Station

Owner: Northern Palm Beach County Improvement District

Client: Stanley Consultants, Inc.

RADISE Contract Amount: \$6,240.00

This project for the Northern Palm Beach County Improvement District involved renovations at Eastpointe Pump Station that included installation of new concrete panel retaining wall, installation of precast concrete piles to support the foundation for two new pumps and installation of 1-story precast concrete building for pump station.

As a subconsultant, RADISE mobilized a truck mounted drill rig and conducted a site visit and field reconnaissance to observe existing site conditions. A layout of boring locations in the field was prepared, as well as utilities cleared through Sunshine.

RADISE's field exploration included performing SPT borings. Laboratory Testing included sampling from the borings and classification in accordance with the Unified Soil Classification System (ASTM D 2487). Representative samples from the SPT borings were tested for index properties such as moisture content and grain size distribution and for for corrosivity.

RADISE provided a geotechnical engineering evaluation and prepared a report. There were no change orders or amendments for this project.



Tessier Consulting, LLC

Hydrogeologic and Hydro-Environmental Services

The firm was established in January 2010. Since that time, the firm has provided consulting services for a broad range of projects, including consumptive water use permitting, well permitting and design, groundwater modeling, dewatering plans, litigation support and expert witness services. In addition, we consult on problems related to flooding, dewatering and groundwater control; sinkholes; wastewater disposal and reclaimed water application; lateral saltwater intrusion and saltwater upconing; drainage and groundwater/surface water interaction. Our clients range from private developers, farmers, ranchers, attorneys, and insurance companies to Federal and state agencies, counties, municipalities and utilities.

In the short time the firm has been established, we have been involved in diverse projects that are professionally challenging, personally satisfying and beneficial to our clients. Some of our services are described below.

Groundwater Modeling

Groundwater models are typically developed to simulate site conditions in the past, present or future. Application of the appropriate groundwater model (analytic, analytic element, finite difference, finite element) varies with the type of model and the conditions being simulated. Analytic models (such as Theis or Hantush-Jacob) are the quickest to design and set up. Analytic element models (such as Winflow or AnAqSim) are more complex but still relatively easy to set up. Finite-difference and finite-element models (Modflow and FEFLOW) are more difficult to set up but can address much more complex conditions. Cost of modeling generally increases with complexity.

When we have an option, we choose our groundwater models based on the needs of the project, requirements of the regulators, time available and cost. Since January 2010, we have used analytic models to help us select the pump and design pumping level of 2 public supply water wells in Okeechobee County, used an analytic model to predict the future impact of a public water supply well system in Martin County, and served as a consulting expert to review the design of a numeric Modflow model to determine if it accurately predicted the water-table drawdown around a major wellfield (PBC System 9) in Palm Beach County, and served as a consulting expert to SJRWMD to review the design of a Modflow model in Volusia County, Florida.

Consulting Expert and Expert Witness

We have been involved several times in cases involving potential litigation. In many cases, a Tessier Consulting, LLC representative consults during pre-trial proceedings, advising the attorney about the additional materials that need to be obtained, and the inquiries that need to be made of the deposed. In other cases, a Tessier Consulting, LLC, representative may also serve as a testifying expert. In preparation for trial or administrative hearing, the testifying expert

may review all pertinent data, reports and test results, prepare an expert witness report, testify regarding site conditions, and assist the attorney with post-verdict filings.

We were requested to review data and records compiled during construction of 2 Floridan Aquifer wells for public water supply in the Town of Manalapan. The case involved the potential liability of a hydrogeologic consulting firm in the design, construction and testing of the wells. Although both wells were constructed to the same specifications, one of the wells produced at half the pumping rate of the other well. Tessier Consulting, LLC, reviewed the available construction logs and test results and advised the Town's attorney regarding the appropriate inquiries during depositions of the key players.

Field Services and Testing

"Going in the field" is typically the first assignment for a junior geologist. We provide field services at a competitive fee but much greater level of expertise. Two examples of projects we have performed are onsite hydrogeologic services during construction of 2 public water supply wells at the Fort Drum Service Plaza on Florida's Turnpike, and coordination of the construction of irrigation wells on Jupiter Island. For both projects, our responsibilities included interpreting test results to recommend and assist in selecting the completion depth and screen interval that would produce at the optimal rate and deliver a stable water quality.

Experience: Thomas L. Tessier, FL PG 775, Jupiter, Florida

Mr. Tessier has been involved in many studies relating to all aspects of hydrogeology and groundwater contamination during his long and successful career. He has participated in or directed regional water-resources studies in Florida, New York, North Carolina, and New Jersey, waste-management studies in New York, Florida, and Wyoming, site-specific groundwater contamination studies in Connecticut, Georgia, Ohio, and Florida, and injection-well studies in Florida. After more than 30 years in south Florida, Mr. Tessier has a detailed knowledge of Florida hydrogeology, gained from the diverse range of projects completed to date. He provides hydrogeologic support services and participates in the design and planning of site-specific and regional groundwater resource-development, resource-management, and contamination studies and supervises the design and implementation of modeling programs.

WATER WELL DESIGN AND CONSTRUCTION PROJECTS

Mr. Tessier has designed or managed the design, construction and testing of Surficial Aquifer and Floridan Aquifer water supply wells and secured water use permits for many south Florida utilities including Jupiter, Tequesta, Hydratech, in Martin County, Port St. Lucie, Seacoast Utility Authority, Highland Beach, Boynton Beach, Wellington and Indian River County. Included are screened and open hole wells cased with mild steel, fiberglass, and PVC.

INJECTION WELL PROJECTS

Mr. Tessier has been project officer for the design, construction and mechanical integrity testing of numerous operating injection wells including Martin County, Wellington, ENCON, West Palm Beach, Pahokee, Merritt Island, and Port St. Lucie and the construction of additional and replacement monitor wells under Florida and Federal underground injection control regulations.

REPRESENTATIVE PROJECTS WITH GROUNDWATER MODELING COMPONENTS

Mr. Tessier frequently uses groundwater models to assist in his understanding of local hydrogeologic conditions. He has developed software that enables ease of use of analytic models like Theis and Hantush-Jacob, has used more sophisticated analytic element models such as Winflow and AnAqSim, and has designed and directed the development of complex numeric models such as Modflow and MT3D.

LOCAL WATER-USE PERMITTING PROJECTS

Mr. Tessier has helped municipal, industrial, recreational and agricultural clients secure water-use permits throughout the SFWMD, including many in Palm Beach County.

Water Use Permitting, Wellington, Florida, for Acme Improvement District and the Village of Wellington, Wellington, FL

Task Manager for the development and use of Modflow numerical model to secure water use permits for fresh and brackish **Surficial Aquifer** withdrawals. Primary issue was impact on wetlands in County preserve and impact of water use on Lake Worth Drainage District canals and operations. With permit secure, we participated in the design and construction management of 2 municipal supply wells near Florida's Turnpike. In subsequent work, Task Manager for the development and use of analytic model to secure water use permit for fresh and brackish **Surficial Aquifer** withdrawals. Primary issue was impact on SFWMD regional plan and impact of water use on Lake Worth Drainage District canals and operations.

Water Use Permitting, Palm Beach Gardens, Florida, for Seacoast Utility Authority, Palm Beach Gardens, FL
Project Manager and Chief Hydrogeologist to perform numerical Modflow modeling of the **Surficial Aquifer** to secure permits for the development and expansion of Seacoast's supplementary reclaimed water supply wells and wellfield. Designed **Surficial Aquifer** and **Floridan Aquifer** wells following permit approval.

Education

B.A., Geology, Hamilton
College, New York, 1969
Post-Graduate Studies:
Geology, Brown University,
Providence, RI
Hydrogeology, Adelphi Univ.,
Garden City, NY

Years of Experience

Total – 44

Professional Registrations

Registered Professional
Geologist, Florida 775
American Institute of
Professional Geologists
Certified Professional Geologist
4383

Florida Qualified Stormwater
Management Inspector
#28945

Professional Qualifications

American Geophysical Union
American Institute of
Professional Geologists
Certification: Florida Wetlands
Delineation

Certification: Florida Wetlands:
Successful Creation,
Restoration and
Enhancement

Florida Master Naturalist,
Wetlands Module, University
of Florida Institute of Food
and Agricultural Sciences

Florida Water Well Association,
Technical Division

National Ground Water
Association, Technical
Member

Thomas L. Tessier, PG

TESSIER CONSULTING, LLC

Principal Geohydrologist / Managing Member

Mr. Tessier is the licensed geologist and groundwater professional at his current firm. He was responsible for the satisfactory completion of many of the water-resources, solid waste, and hazardous waste projects completed by the Palm Beach office of ARCADIS Geraghty & Miller. He provides hydrogeologic support services and participates in the design and planning of site-specific and regional groundwater resource-development, resource-management, and contamination studies and supervises the design and implementation of modeling programs throughout the U. S.

Mr. Tessier participated in several projects using remote sensing techniques. While attending Brown University, he designed experiments which formed the basis for selection of the robot camera for NASA's unmanned Lander program. He also constructed the first global representation of Mars based upon remotely-sensed data from the Mars-Mariner program. While serving as special consultant to Grumman Ecosystems, he participated in the synthesis and presentation of airborne magnetic data from northern Greenland.

Mr. Tessier has been involved in many studies relating to all aspects of hydrogeology and groundwater contamination. He has participated in or directed regional water-resources studies in Florida, New York, North Carolina, and New Jersey, waste-management studies in New York, Florida, and Wyoming, site-specific groundwater contamination studies in Connecticut, Georgia, Ohio, and Florida, and injection-well studies in Florida. He has provided technical guidance in the design of many capture systems for the control of landfill leachate and hazardous waste plumes. These activities include aquifer testing, hydrologic analysis, computer modeling, and well and multi-well system design. He also served as ARCADIS Geraghty & Miller's Senior Hydrogeologist, Senior Technical Reviewer and Officer-in-Charge of projects to design, test and oversee construction of injection wells and monitor wells.

Water Management

Surface Water Management Plan

Riverwalk, West Palm Beach, FL

Directed modeling study of the potential for site water management plan to impact environmentally sensitive slough area.

Preliminary Feasibility of “Lake Belt” Water Management Plan

Rock Mining Area, Miami-Dade Co., FL

Directed modeling study of the potential to continue mining operations to create reservoir storage for future water supply.

Seepage Capture Study

City of West Palm Beach, FL

Managed project to model the impact of the surface-water management plan of development on seepage from the West Palm Beach Water Catchment Area/Loxahatchee Slough.

Site Water Management

The Tradition, St. Lucie Co., FL

Evaluated the effect of project water management on the availability of water from lakes and the effect on water levels.

Lake Management Study

Waterway Village, Indian River Co., FL

Evaluated various lake management options and conducted model simulations to determine long-term lake levels and the availability of water for irrigation.

Wetlands Management and Protection

World Golf Hall of Fame

Davidson Development, St. Augustine, Florida

Managed project to secure surface-water management plan approval from St. Johns River Water Management District for water-control elevations of golf course lakes adjacent to wetlands.

Groundwater/Wetlands Study

Watson Enterprises, Port Salerno, Florida

Conducted study to determine the hydrologic relationship between wetlands and underlying groundwater and to characterize wetlands.

County Airport Relocation Feasibility Study

Akin Gump et al., PA, Martin County, Florida

Evaluated alternative airport sites for impacts on wetlands.

Dewatering Plans and Permitting

Sand Mine Dewatering Permit

Tripson, Indian River County, Florida

Developed a dewatering plan and schedule, and secured a permit for dewatering and mining of sand for commercial use.

Canal Dewatering Permit

Foundation Land County, Palm Beach County, Florida

Developed a dewatering plan and schedule, and secured water use permit for construction of canal bottoms that encouraged rapid circulation.

Dyer Boulevard Sewer Improvements

Barker Osha & Anderson, Riviera Beach, Florida

Directed the development of a plan to dewater along a sewer line without causing impact to landfill leachate plume on adjacent site.

Parking Garage Construction

West Palm Beach, Florida

Developed a dewatering plan to conduct 2-stage dewatering of a sub-basement parking garage in downtown West Palm Beach, Florida.

Lower Floridan Aquifer Wells and Deep Well Injection

Class I Test-Injection Wells, East Central Regional facility

City of West Palm Beach, West Palm Beach, Florida

Performed as well-site geologist on 3000-foot deep test-injection well. Program included a 1000-gpm aquifer test of Biscayne Aquifer water supply well, geological analysis, straddle packer tests, geophysical surveys, and construction oversight. This test-injection well established the feasibility of deep well disposal in south Florida and gained USEPA financial support for this method of disposal.

Southeast Orange County Regional Monitor Well

Orlando Utilities Commission, Orlando, FL

Project director in the planning and design of a 2,200-ft deep, multi-zone Lower Floridan Aquifer monitor well to provide South Florida Water Management District and St. Johns River Water Management District with regional data.

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Tessier, PG**
Geohydrologist

Feasibility of Injection Wells in eastern Orange and Osceola Counties

DRMP, Orange County, FL

Project director of a feasibility study of the potential for deep-well injection of treated wastewater to meet the ever increasing need of the City of Orlando and Orange County.

Southwest Water Plant Wellfield Evaluation

Orlando Utilities Commission, Orlando, FL

Project manager during the performance testing of Lower Floridan Aquifer public supply wells to determine if the capacity of the wellfield could be increased from 36 mgd to 42 mgd without constructing additional wells. Various combinations of wells in the existing wellfield were pumped in order to estimate interference effects and the potential to increase rates of some or all of the existing wells.

ASR Independent Technical Review Team

CDM, Jacksonville, Florida

Served as Expert Hydrogeologist on Independent Technical Review Team to US Army Corps of Engineers for a South Florida Aquifer Storage and Recovery Pilot Project.

Tubing and Packer Retrofit

Martin County Utilities, Jensen Beach, Florida

Project officer responsible for the tubing and packer retrofit of Class I injection well.

Injection Well Cleaning

Martin County Utilities, Jensen Beach, Florida

Project officer for the rehabilitation of an injection well which had failed to demonstrate mechanical integrity.

Upper Floridan Aquifer Supply Wells and ASR Systems

Floridan Aquifer Public Supply Wells Design and Hydrogeologic Services during Construction

Town of Jupiter Utility Department, Jupiter, FL

Project Manager for the permitting, design and construction of two 1400-foot deep test-production wells for public water supply of reverse osmosis water treatment plant. A particular challenge for these wells was the disposal of brackish development water. The two wells formed the base supply of the Town's first RO plant.

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Geohydrologist

ASR Feasibility

Hobe Sound Water Company, Hobe Sound, Florida

Studied the feasibility of aquifer storage and recovery of potable water in the Floridan Aquifer.

Lettuce Lake Wellfield Testing

General Development Corp., Port Charlotte, FL

Provided on-site hydrogeologic services during testing for development of a 40-mgd regional groundwater supply. Work included construction observation, geological analysis and conducting aquifer tests for two 1200-foot deep Floridan aquifer wells and one 250-foot deep secondary artesian aquifer well. This testing was preliminary to the development of the Manasota – Peace River Water Supply Authority.

South County Water Supply Development

Indian River County, Indian River County, Florida

Directed a hydrogeologic testing program of the Floridan aquifer in the South Taxing District, Indian River County, Florida, including the design and construction of 400-foot deep production wells and 700-foot deep monitor well in the Floridan aquifer for testing and for future use. Determined the aquifer coefficients, productivity and water quality of the aquifer, located existing water users, permitted diversions, and wells withdrawing water from the aquifer, and prepared technical report in support of an application for a water-use permit by the County for an 8-mgd system.

Port Malabar Ultimate Buildout

General Development Corporation, Brevard County, FL

Participated in a program of testing and data interpretation of a 30-mgd regional water supply. Work included evaluation of the maximum safe yield of the shallow aquifer and the potential impacts of extensive use of the Floridan aquifer for reverse osmosis treatment.

Floridan Aquifer Water Supply Well

Town of Highland Beach, Palm Beach County, FL

Project Manager for the permitting of 1200-foot deep, 2100 gpm, Floridan Aquifer public supply well for RO treatment. Project Director for the design, construction management, and testing of the well.

Floridan Aquifer Irrigation Well Design and Hydrogeologic Services during Construction

The Breakers, Palm Beach, FL

Project Director for the design and construction of 1000-foot deep Floridan Aquifer irrigation well constructed to feed reverse osmosis treatment plant for golf course irrigation.

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Floridan Aquifer Public Supply Wells Design and Hydrogeologic Services during Construction

Martin County Utilities, Jensen Beach, FL

Project Manager for the permitting, design and construction of two 1000-foot deep public water supply wells to supply reverse osmosis water treatment plant. Due to local regulation, wells had to free-flow (no pumping) at 1,400 gpm.

Other Types of Injection Well Studies

Injection Well Practices

USEPA, Ada, Oklahoma

Inventoried the extent of underground waste disposal in the US and evaluated the impact of USEPA injection well regulations.

Disposal Through Wells

USEPA, Ada, Oklahoma

Authored the section on subsurface waste disposal contained in the USEPA publication "Report to Congress, Waste Disposal Practices and Their Effects on Ground Water".

Injection Well Construction

Various Clients, South Florida

Project Officer for the testing of numerous operating injection wells and the construction of monitor wells under Florida and Federal underground injection control regulations. Provided technical QA/QC of each project report and testing analysis.

Intrusion Barrier

Hazen and Sawyer, Ft. Lauderdale, Florida

Project Manager for evaluation and modeling of the potential for injecting treated effluent into the sole-source Biscayne Aquifer to eliminate saltwater intrusion of existing well field.

Well Design and Construction, Modification and Rehabilitation

Well Modification to Reduce Sanding

Town of Jupiter Water System, Palm Beach County, FL

Project Manager who evaluated alternative corrective designs to halt sanding in a municipal water supply well with open-hole construction.

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Geohydrologist

Well Modifications to Increase Yield

City of Boynton Beach, Palm Beach County, FL

Directed removal and replacement of screen and gravel pack in 2 public water supply wells to improve yield. Directed deepening and casing sleeve of 4 public supply wells to improve yield.

Western Well Field Development

James Vance, P A., Delray Beach, Florida

Negotiated with Palm Beach County to allow City of Delray Beach to locate a new wellfield in County a park. Oversaw the design of a recharge system allowing water from the Lake Worth Drainage District to recharge lakes adjacent to wells. Designed pumping system to recharge wetlands. Relocated pumping stress to exclude Wellfield Protection Zone 2 from property of adjacent objector and secured water use permit.

Water Supply Planning and Development

Flagler County Water Supply Plan, Palm Coast, Florida

Client: St. Johns River Water Management District, Palatka, Florida

Chief Hydrogeologist during evaluation of alternative future water supplies for the County.

Coordinated with SJRWMD staff performing numerical modeling of the **Floridan Aquifer** and Intermediate Aquifer withdrawals. Prepared groundwater element of technical memorandum that reviewed all the alternatives available and recommended a course of action.

Polk County Water Use Inventory, Polk County, Florida

Client: Polk County, FL

Chief Hydrogeologist evaluated existing water use and existing permitted agricultural permits to identify potential excess permitted water that could be used by Polk County for public supply.

West Palm Beach Seepage Capture Study

City of West Palm Beach, West Palm Beach, Florida

Project Manager and Senior Technical Reviewer of a seepage capture study of Lake Mangonia and Clear Lake. The intent of the study was to determine the magnitude of the seepage out of these maintained lakes and the effectiveness in trying to capture the seepage using pumped wells.

West Palm Beach Emergency Wellfield Exploration

City of West Palm Beach, West Palm Beach, Florida

Project Manager and Senior Technical Reviewer for an exploratory drilling and testing program to identify a potential emergency wellfield west of the City to reduce the threats of drought and terrorism to the City's primary water sources. As a result of the study, the Western Wellfield was designed by the City's consulting engineer, with assistance from ARCADIS Geraghty & Miller.

**Thomas L.
Tessier, PG**
Geohydrologist

Flagler County Water Supply Plan

St. Johns River Water Management District, Palatka, FL

Task manager for the development and preparation of the groundwater component of the long-range water supply plan. Assisted in the evaluation and review of water-supply alternatives (surface water, seawater) and augmentation strategies.

Consumptive Water Use Permitting

OUC 20-Year Consumptive Use Permit, Orlando, Florida

Client: Orlando Utilities Commission, Orlando, FL

Project Manager and Chief Hydrogeologist assisting OUC in securing a 20-year, consumptive water use permit issued jointly by the St. Johns River Water Management District and South Florida Water Management District. Project involved the use and modification of the regional Modflow groundwater flow model of the Floridan Aquifer in central Florida to predict impacts of new well field development on existing users, wetlands, and saltwater intrusion. A Chapter 120 objection from Orange County and others was settled ahead of an administrative hearing. As part of the permit conditions, OUC developed an extensive wetland monitoring program. Mr. Tessier helped to select the wetlands to be monitored and designed and managed construction of wells to monitor wetland-groundwater interaction. Mr. Tessier was Project Director in the planning and design of a 2,200-ft deep, multi-zone Floridan Aquifer monitor well to provide South Florida Water Management District and St. Johns River Water Management District with regional data on saltwater intrusion.

OUC Consumptive Water Use Permits, Orlando, Florida

Client: Orlando Utilities Commission, Orlando, FL

Manager and Chief Hydrogeologist for several projects to secure consumptive water use permits for expansion of Orlando Utilities Commission (OUC) multiple wellfields and water plants. Analytic models of the Floridan Aquifer were developed and applied. Permits had to be secured separately from the South Florida Water Management District and the St. Johns River Water Management District because the service area straddles the inter-District boundary. During this time, Mr. Tessier also assisted Stanton Energy Center in evaluating water supply alternatives.

Water Use Permitting

Village of Wellington, FL

Secured water use permits for fresh and brackish Surficial Aquifer withdrawals. Primary issue was impact on wetlands in County preserve.

**Thomas L.
Tessier, PG**

Geohydrologist

Water Use Permitting

Boynton Beach, FL

Performed computer modeling and secured public water supply water use permit for Surficial Aquifer withdrawal for lime softening and Floridan Aquifer withdrawal for reverse osmosis treatment. Major issues were saltwater intrusion and impact on wetlands.

Water Use Permitting

Seacoast Utility Authority, Palm Beach Gardens, Florida

Planned and modeled a wastewater effluent buffer to protect isolated wetlands from wellfield impact.

Water Use Permitting

Jupiter Water System, Jupiter, FL

Secured water use permits for Surficial Aquifer and Floridan Aquifer withdrawals. Primary issue was impact on lakes in developed communities.

Water Use Permitting

City of North Miami, FL

Secured water use permit for Biscayne Aquifer withdrawals for public supply. Primary issue was saltwater intrusion from Biscayne Bay.

Water Use Permitting

Seacoast Utility Authority, Palm Beach Gardens, Florida

Secured permits for the development and expansion of Seacoast's supplementary reclaimed water supply wells and wellfield.

Water Use Permitting

Orlando Utilities Commission, Orlando, Florida

Managed project to secure water use permits for expansion of Orlando Utilities Commission wellfields and water plants. Project involved the use and modification of the regional groundwater flow model of the Floridan aquifer in central Florida to predict impacts of new well field development on existing users, wetlands, and saltwater intrusion. Permits had to be secured separately from the South Florida Water Management District and the St. Johns River Water Management District because the service area straddles the inter-District boundary. Between 1999 and 2004, he managed and served as Chief Hydrogeologist assisting OUC in securing a 20-year, consumptive water use permit issued jointly by the St. Johns River Water Management District and South Florida Water Management District. A Chapter 120 objection from Orange County and others was settled before commencement of an administrative hearing.

**Thomas L.
Tessier, PG**
Geohydrologist

Water Use Permitting

Frenchman's Reserve, Palm Beach Gardens, FL

Directed investigation, including saltwater intrusion monitoring and groundwater flow modeling to secure permit for irrigation of golf course. Principal issues were impact on wetlands and saltwater intrusion. The issued permit was transferred to Seacoast Utility Authority for its supplemental reclaimed water supply. Seacoast operates the system and provides reclaimed water to the project.

Water Resource Investigations

Southwest Water Plant Wellfield Evaluation

Orlando Utilities Commission, Orlando, FL

Project manager during the performance testing of Floridan Aquifer public supply wells to determine if the capacity of the existing wells could be increased from 36 mgd to 42 mgd.

Aquifer Performance Testing

Xerox Corp., Westchester Co., NY

Conducted extended duration aquifer-performance test of test well in bedrock to determine if there was sufficient supply for potential world headquarters.

Trench Performance Testing

Allied Chemical Corp., Green River, WY

Conducted testing of mile-long interceptor trench to determine cross gradient and downgradient area of influence and establish pumping rates for sump pumps.

River Infiltration Testing

Connecticut Water – Northern Division, Windsor Locks, CT

Conducted testing of public supply well to determine potential for river infiltration to wellfield.

Stream Infiltration Testing

Uniroyal, Naugatuck, CT

Conducted aquifer testing to determine amount of surface water contribution to well withdrawal.

Fish Hatchery Water Supply

New York Department of Environmental Conservation, Pulaski, NY

Directed hydrogeologic services in the development of a large-capacity groundwater supply. Work included geophysical testing, geological analysis, well site selection, construction observation and conducting aquifer tests.

**Thomas L.
Tessier, PG**
Geohydrologist

Hobart Park Well Field Feasibility

Road and Bridge Department, Indian River County, Florida

Established availability of potable water and provided guidelines to aid the County in the initial steps of the development of water-supply systems. Work included directing exploration program, geological analysis, test well design, construction observation, and conducting and interpreting aquifer test data.

South County Water Supply Alternatives

Indian River County, Vero Beach, Florida

Determined availability, quality, and impacts of use of alternative sources of groundwater for 13-mgd public supply in the South County Taxing District, Indian River County, Florida, based upon existing data.

Eastern Wellfield Potential

City of Fort Myers, FL

Using existing data, conducted a study to determine the feasibility of public supply wellfield development east of Fort Myers.

North Lee County Supplemental Supply

Community Services Corp., No. Ft. Myers, FL

Evaluated potential for supplemental supply from existing rock pit to serve as emergency supply to northern Lee Co.

Port St. Lucie Ultimate Buildout

General Development Corporation, Port St. Lucie, Florida

Planned and managed an extensive investigation of water-resource availability for Port St. Lucie, Florida, through ultimate build-out (40-mgd water supply) of the City 50 square miles. Tasks involved included data collection, evaluation, and extensive computer modeling. Results supported the Application for Development Approvals and Water-Use Permit Renewal.

Water Supply Development

Seacoast Utilities, Palm Beach Gardens, Florida

Conducted aquifer tests and addressed the productivity of wells and wellfields for Seacoast Utilities in northeastern Palm Beach County, Florida. As project officer, directed modeling of 36-mgd system. Results of model were used for water master plan and water-use permit renewal. Also performed particle travel-time modeling runs of potential new wellfield area in order to define likely wellfield protection zones around future well sites.

Ultimate Buildout Water Study

General Development Utilities, Port LaBelle, Florida

Conducted an ultimate buildout water-resources study as principal investigator. The study included geophysical investigation for selection of future well fields and modeling of aquifer

**Thomas L.
Tessier, PG**
Geohydrologist

performance to supply major future withdrawals (40 mgd) in a 50-square-mile community. As project officer, directed installation of high-capacity supply wells.

Surface Water Quality Study

Transco Energy, Wilton, NC

Performed surface water sampling and tidal monitoring to determine the potential for power plant water supply.

Environmental Assessment and Remediation

West Palm Beach Yard Trash site

City of West Palm Beach, West Palm Beach, Florida

Served as Project Officer and Senior Technical Reviewer in a Phase II investigation of the West Palm Beach Yard Trash site, located south of 45th Street between Military Trail and Haverhill Road.

Limestone Mining

U.S. Army COE, Dade, Broward, Palm Beach and Monroe Counties, Florida

Project Manager for the performance of an Environmental Impact Assessment of Limestone Mining in South Florida.

Western Dade Water Alternatives

Dade County, FL

Managed the hydrogeologic element of an Environmental Impact Assessment of the Western Dade County (Florida) Wellfield and the impact on wetlands and the Everglades.

Contaminated Sites Inventory

USEPA, Northeast US

Conducted inventory of contaminated sites in the northeast US. Prepared "Ground Water Contamination in the Northeast States" (EPA-660/2-74-056) as ordered and approved by Congress. Inventory was required by the Safe Drinking Water Act and ultimately led to the development of CERCLA (Superfund) and the identification of Superfund sites.

Croton Point Landfill Assessment

Westchester County, NY

Collected and analyzed water-level data and groundwater samples to define landfill leachate plume at this site, later identified as a Superfund site.

**Thomas L.
Tessier, PG**
Geohydrologist

Arsenic Assessment and Remediation

Jupiter Island Club, Jupiter Island, FL

Directed assessment, interim remedial action and remedial action plan to manage arsenic-impacted soil and groundwater at the golf course maintenance area.

Dump at Silver Sands State Park Assessment

State of Connecticut, Milford, CT

Collected and analyzed water-level data and groundwater samples to define landfill leachate plume, one of the first declared Superfund sites. Conducted and interpreted geophysical surveys.

Assessment of Davie Sludge Lagoon

Davie, Broward County, FL

Managed hydrogeologic and water-quality investigation of hazardous waste source from Davie Sludge Lagoon at the Broward County Landfill, later determined to be a Superfund site.

Florida Petroleum Reprocessors

Secondary PRP Committee Davie, FL

Provided hydrogeologic analysis in Remedial Investigation of FPR Superfund site.

Remedial Investigation (RI)

Northrop-Grumman, St. Augustine, FL

Project Officer in hydrogeologic analysis in Remedial Investigation of wastewater lagoon at manufacturing facility.

Contamination Assessment

Allied Chemical, South Point, OH

Historical review of data, aquifer testing and water level monitoring of chemical plant with lagoon discharges, later determined to be a Superfund site.

Litigation Support and Consulting Expert Services

Service Capacity

Seacoast Utilities, Palm Beach Gardens, Florida

Testified as expert in hydrogeology before the Florida Public Service Commission regarding ability of Seacoast Utilities to serve its western reserve area.

**Thomas L.
Tessier, PG**
Geohydrologist

Okeechobee County Injection Well Failure

Okeechobee Co. Board of County Commissioners, Okeechobee, Florida

Advised County on contractor performance and corrective measures regarding leaks around Class V injection well. FDEP issued a Notice of Violation for leaks and demanded corrective action.

Ft. Lauderdale-Hollywood International Airport

Schnorr Enterprises, Broward County, FL

Testified as an expert in hydrogeology in Broward County, Florida Circuit Court in eminent domain proceedings regarding a manufacturing facility acquired by Broward County Aviation.

U.S. Highway 1 Improvements

Commercial Owner, Broward County, Florida

Testified as an expert in hydrogeology in Broward County, Florida Circuit Court in eminent domain proceedings regarding the taking of commercial property for Florida Department of Transportation right of way.

Village of Tequesta Dewatering

Village of Tequesta, Tequesta, Florida

Testified as an expert in hydrogeology and dewatering systems before judge for Florida Department of Administrative Hearings regarding issuance of a water use permit by South Florida Water Management District for dewatering for sewer installation by Loxahatchee River Environmental Control District.

Chapter 120 Objection: Daytona Beach Consumptive Use Permit Modification

St. Johns River Water Management District, Palatka, Florida

Joined consulting expert team to review Daytona Beach's application for CUP modification for its public water supply. Issues considered were the accuracy of the hydrogeologic system description used for groundwater modeling, the proper application of the groundwater model, and the impacts of water use on sensitive wetlands.

Eminent Domain Proceedings

Land Holdings Trust #1, Martin County, Florida

Testified as an expert in hydrogeology in Martin County, Florida in eminent domain proceedings regarding the taking of agricultural property for Florida Inland Navigation District dredge material management area.

Selected Publications and Presentations

Miller, D. W., F. A. DeLuca, and T. L. Tessier, "Groundwater Contamination in the Northeast States," U. S. Environmental Protection Agency, June 1974.

"The Report to Congress: Waste Disposal Practices and Their Effects on Ground Water," U.S. Environmental Protection Agency, January 1977.

Tessier, T. L., and C. A. Rich, "Areawide Waste Treatment Management, Interim Report Series: 4 (Section II - Groundwater Pollution Sources)," December 1977.

Tessier, T. L., "Using Geologic Search Techniques to Locate a Major Groundwater Source Near LaBelle, Florida," in Water, Oil and the Geology of Collier, Lee and Hendry Counties, Miami Geological Society, 1980.

Tessier, T. L., "Comparing Well Performance between Open Hole and Gravel-Packed Screened Wells," Florida Water Resources Conference Proceedings, 1999.

Tessier, T. L., "Locating Shoestring Sand Aquifers using Electric Resistivity near LaBelle, Florida," Miami Geological Society, 1980.

Tessier, T. L., "Are Gravel Packed Wells Inefficient," Southeast Drillers Association monthly meeting, 1984.

Tessier, T. L., "Comparing Well Performance between Open Hole and Gravel-Packed Screened Wells," Florida Water Resources Conference, Tallahassee, FL, 1999.

Tessier, T. L., and R. Bishop, "Groundwater and Surface Water Supplements Water Supply," Groundwater Resources Association of California: Annual Conference, September 2004.

Tessier, T. L., and M. J. Waldron, "Class V Injection into an Underutilized Aquifer," Groundwater Resources Association of California: Annual Conference, September 2004.

LAKDAS NANAYAKKARA P.E.

President

Mr. Nanayakkara has extensive experience in design and construction observation of water and waste water treatment plant and water control structures. He has successfully completed water control structure surveys of major water control districts in Broward County and for South Florida Water Management . Mr. Nanayakkara has also designed a number of water control structures for private developments and few of the city agencies in Broward County.

Mr. Nanayakkara's experience extends design and construction observation of more than 8 major water treatment plants. 11 wastewater treatment plant expansion projects for a number of cities and county in the tri-county area.

Also in building design with over 25 public schools, 4 city complexes, and 12 terminal facilities.

His value-engineering experience has contributed to actual construction cost savings of over 2.8 million dollars in 16 value-engineering projects that he participated for in both Broward and Palm Beach County utility and public works departement.

RELATED EXPERIENCE

1. Structural condition survey of over 40 water control structures
2. Design and construction observation of 12 major water and wastewater treatment plant expansion projects
3. Structural condition survey of 11 highway and pedestrian bridges
4. Structural Design and Inspection of 12 Port and Airport Terminal Facilities
5. Participated as structural expert for over 16 value-engineering sessions for both FDOT and County's major projects in building, bridges and water and wastewater treatment plants.

CIVIC INVOLVEMENT

Member of Broward County Construction Executive Association
Member of Florida Engineering Society Florida Chapter

Experience Highlights

*Over 39 years experience in structural engineering services relating to water and water control structures.
Experience in a number of related miscellaneous contracts with city and county agencies.*

Education

Post Graduate Diploma in Structural Engineering from the University of Hertfordshire, England

Bachelor in Science, Honors Degree in Structural Engineering from the University of Hertfordshire, England.

Certifications

*Professional Engineering
State of Florida and
State of Minnesota
Chartered Structural Engineer,
London, England
State Certified General
Contractor
State Certified Threshold
Inspector
Certified Masonry Inspector*



LAKDAS/YOHALEM ENGINEERING, INC.
CONSULTING ENGINEERS

EDUCATION:

B.S. Civil Engineering
University of Tennessee, 1977

REGISTRATION:

Florida, Alabama, Kentucky
Special Inspector, **State of Florida #35416**

EXPERIENCE:

Feb. 1994 -
Present

Lakdas/Yohalem Engineering, Inc.

Civil Engineer - Senior Project Manager

Providing: design, permitting and construction phase engineering services for land development projects, roadway improvements, buildings, bridges, marinas, storm drainage, major water and wastewater projects including water, sewer paving and grading.

Jan. 1985 -
Feb. 1994

City of Pompano, City Engineer

Served as chief design engineer for major water, wastewater, storm drainage and roadway projects. Prepared bids, contract documents and all regulatory submission; oversaw advertisement, bids, contract awards, and construction for major infrastructure projects. Services included resident engineering, change orders and claims negotiations, review and oversight of contractor's schedule and pay requests. Supervised 12 employees, including draftsmen, engineers and inspectors.

June 1979 -
Jan. 1985

Commonwealth of Kentucky, Engineer

Department of Natural Resources

Completed environmental studies for impacts to surface water and groundwater from coal mining. Prepared probable hydrological consequences reports for coal mining operations. Designed retention ponds for controlling runoff from coalmines.

Nov. 1977 -
April 1979

Mothercat, Nigeria, Africa

Supervisory Engineer

Supervised \$50 million annual highway construction program. Provided site development of oil fields prior to drilling. Supervised two engineers and four foremen.

MEMBERSHIPS:American Society of Civil Engineers



EDUCATION:

Doctor of Philosophy, Production Engineering 1977

University of Strathclyde, College of Engineering, Glasgow, Scotland

Bachelor of Science Honors, Mechanical / Production Engineering, 1971

University of Hertfordshire, College of Engineering, Hertfordshire, England

EMPLOYMENT

June 1994 to
Present

Lakdas/Yohalem Engineering, Inc.
2211 NE 54th Street
Fort Lauderdale, Fl. 33308

Resident Engineer

Duties include:

- Port Bulkhead Walls
- Cruise Terminals
- Sea Walls
- Parking Garages
- Water Treatment Plants
- Waste Water Treatment Plants
- City Complexes, Police Stations, and Libraries
- Bridge and Water Control Structures

1997 to 1994

National Engineering Research and Development (NERD)
Colombo, Sri Lanka

Duties Include:

- General Manager – Energy Department

PROFESSIONAL CERTIFICATES

State Certified Building Inspector (B P R)
Certified Masonry Inspector





**LIST OF WASTE/WATER TREATMENT PROJECTS
PERFORMED BY LAKDAS/YOHALEM ENGINEERING, INC.**

- Margate Waste Water Treatment Plant, City of Margate
- Water and Waste Water Treatment Plant Renovation and Upgrade, City of Hollywood
- Water and Waste Water Treatment Plant Renovation and Upgrade, City of Pompano
- Pahokee Waste Water Treatment Plant, City of Pahokee
- Tamarac Water Storage Tank
- Collier County Water Treatment Plant
- Marco Island Waste Water Treatment Plant (Blower Bldg)
- Water Treatment Plant of North Miami
- Coral Springs Imp. Dist. – WWTP Phase II
- Water Treatment Plant, City of Lauderhill
- Oxygenation Tank Renovation WWTP (4) – City of Hollywood
- Wet Well Gate Restoration at Clarifier #3 – City of Hollywood
- Water Treatment Plant Expansion – Town of Davie
- Miramar Water Treatment Plant Expansion – City of Miramar



Name of Project: Oxygenation Tank WWTP 4

Location: City of Hollywood

Project Description and Scope of Services:

Structural Site Condition Survey, Structural Analysis, Design, Restoration, Construction Phase Services and Special Inspection Services, Engineer of Record for renovation upgrade



Name of Project: Miramar Water Treatment Plant Expansion

Location: City of Miramar

Project Description and Scope of Services:

Structural Site Condition Survey, Structural Analysis, Design, Construction Phase Services and Special Inspection Services, Engineer of Record for renovation upgrade



Project: Town of Davie Water Treatment Plant

Location: Hollywood, Florida

Project Description and Scope of Services:

Structural Site Condition Survey, Structural Analysis and Design, Structural Improvements and Special Inspection Services



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6- WORKLOAD & AVAILABILITY

CAS is currently reaching completion on many projects as per the current work listing below and will be available to accept new projects. Listed below is a chart showing current and future workload with percentage of completion.

CLIENT	PROJECT	PERCENTAGE COMPLETE	
		DESIGN	CONSTRUCTION
Bal Harbour Village	Sanitary Sewer Improvements Phase I	100%	100%
Bal Harbour Village	Collins Avenue Sewer Improvements Phase 2A	90%	0%
Bal Harbour Village	Misc. Project Management Services	Ongoing	Ongoing
Bal Harbour Village	Collins Avenue LED Crosswalk Enhancement	98%	0%
Bal Harbour Village	Building Dept. Plan Reviews (Public Works & Utilities)	Ongoing	N/A
Berta Management	1951 NW 19 th Street Fire Main Improvements	95%	0%
City of Lauderhill	Green Leaf Filter Rehabilitation	100%	35%
City of Margate	Lift Station #21 Renovation	100%	OUT TO BID
City of Margate	Replace Existing WWTP Triplex Lift Station	100%	0%
City of Sweetwater	Stormwater Improvements Phase 2B-N	100%	0%
Florida Department of Transportation	Statewide 3D Radar Tomography Support	100%	N/A
Glades County	FDEP WWTP Operating Permit Renewal	100%	N/A
HDR	Port Everglades Slip 1 Improvements	100%	0%
Indian Trail Improvement District	Acreage Community Park	100%	40%
Indian Trail Improvement District	140 th Avenue North Roadway Improvements	100%	0%
Miccosukee Tribe of Indians of Florida	Water Main Replacement	100%	50%
Shah Drotos & Associates	Port Everglades Pier 2 Radar Scan	100%	N/A
Spring Lake Improvement District	Stormwater Pump Station Rehabilitation	100%	80%
Spring Lake Improvement District	Design & Build New WWTP	100%	OUT TO BID
Sunshine Water Control District	West Outfall Canal Widening	100%	N/A
Sunshine Water Control District	Coral Springs Drive Bridge Canal Widening	100%	0%
Town of Pembroke Park	Meekins Lake Stormwater Analysis	100%	0%
Town of Pembroke Park	SW 25 th Street Stormwater Improvements Phase I	100%	0%
Village of Biscayne Park	Stormwater Master Plan	100%	N/A
Village of El Portal	Sanitary Sewer Master Plan	100%	N/A



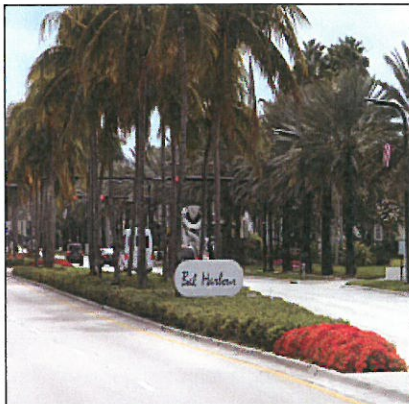
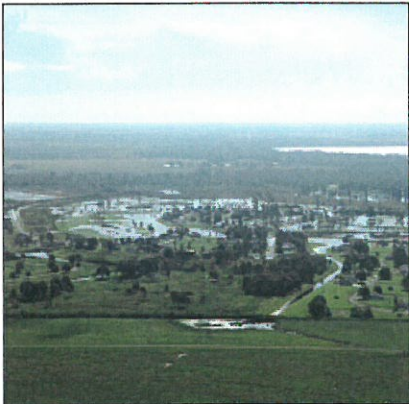
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6- WORKLOAD & AVAILABILITY

CURRENT MUNICIPAL CLIENTS (MULTI-YEAR CONTRACTS)

Bal Harbour Village (Since 1989)
City of Belle Glade (Since 2013)
City of Lauderhill (Since 2013)
City of Margate (Since 1988)
City of Moore Haven (Since 1995)
City of Sunny Isles Beach (Since 2013)
City of Sweetwater (Since 2000)
City of Lake Worth (2018)
Glades County (Since 1993)
Hardee County (Since 1999)
Indian Trail Improvement District (2003-2007, 2014 to Date)
CCPWA Utility Authority (Since 1994)
Spring Lake Improvement District (Since 2001)
Town of Golden Beach (Since 2000)
Town of Pembroke Park (Since 1987)
Village of Biscayne Park (Since 2013)
Village of El Portal (Since 2003)
Sunshine Water Control District (Since 2015)
Sun "N" Lake Water Control District (Since 2017)



**Craig A. Smith & Associates, Inc.**Engineers • Surveyors • Subsurface Utility Engineering
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AVAILABILITY**

As projects are assigned under this contract, the CAS Management Team will assign responsibilities to survey crews, utility locating crews, staff engineers, subconsultants and construction management and supporting staff as needed. All staff members involved with the projects will be provided with the proper equipment and tools to perform the assigned work. CAS is confident that it maintains adequate staff to perform the work assigned and is able to increase staff as needed, due to its experience and reputation in the industry. The CAS TEAM is ready to allocate the necessary staff and resources and to work with the City in accomplishing its goals as per contract requirements. We are committed to the City and will strive to give you excellent service. Historically, each key project manager is responsible for 3 to 5 projects at a time depending on workload.

CAS STAFF AND KEY PROJECT MEMBERS PROJECTED PERCENT AVAILABILITY FOR TASKS UNDER THIS CONTRACT BASED ON CURRENT WORKLOAD

Name of Staff	Year 2018	Year 2019	Year 2020	Year 2021
Gene R. Schriener*	40%	40%	40%	40%
Stephen C. Smith*	35%	35%	30%	30%
Dimitrios J. Scarlatos	70%	75%	75%	75%
William H. Landis	60%	60%	60%	60%
James R. Orth*	85%	85%	95%	95%
Orlando Rubio	50%	50%	50%	50%
Greg Giarratana*	75%	75%	75%	75%
Frank Vilar	50%	75%	75%	50%
Al Caruso*	65%	65%	65%	65%
Robert Keener*	40%	40%	40%	40%
Sandro Elvir	55%	55%	55%	55%
David Lookabill	65%	65%	65%	65%
James Driscoll*	40%	50%	50%	50%
Raul Carbonell	40%	50%	50%	50%
Kerry J. Loggins	65%	65%	65%	65%
Mike Marengo	75%	75%	75%	75%
Mike Dunshee	80%	80%	80%	80%
Tony Gomes	80%	80%	80%	80%
Keith Schriener	65%	65%	65%	65%
Bill Tanto	75%	75%	75%	75%

* Key CAS Staff Members



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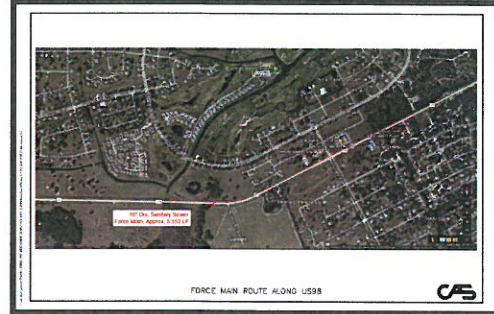
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7 - REFERENCES

SPRING LAKE IMPROVEMENT DISTRICT

115 Spring Lake Boulevard
Sebring, Florida 33876

Contact: Joe DeCerbo, District Manager
Telephone: (863) 655-1715
E-mail: jdecerbo@springlakefl.com



Work performed: CAS is the Consulting Engineers for the Spring Lake Improvement District and have worked with them since 2001. CAS is currently working with the District to enhance the District's overall water quality and quantity per SFWMD requirements. CAS has assisted the District in obtaining EPA and SFWMD funding to use towards the construction of a stormwater treatment area in the northeastern portion of the District. Past projects include the preparation of a District-wide Stormwater Master Plan and a Preliminary Engineering Report to allow the District to seek future funding. This is a multi-year professional engineering services contract on a work order basis.

Current Projects

CAS completed construction of a stormwater treatment area (STA) in 2017. Design Cost: \$462,560, Construction Cost: \$3,304,579

CAS is in the bidding phase for the construction of a regional Wastewater Treatment Plant and associated force main and lift station. The project is partially SRF funded. Design Cost: \$765,826, Construction Cost Estimate: \$2,800,000

CAS completed the design of a 10" water main extension along Madrid Drive and S.R. 98 which included two (2) HDPE horizontal directional drills (135 linear feet and 32 linear feet). The project is currently in the construction phase. Design Cost: \$12,840, Construction Cost: \$76,238

CAS is currently responsible for the construction management and construction inspection/oversight for the rehabilitation of a regional stormwater quadruplex pump station (four 250Hp submersible pumps) which includes electrical and mechanical upgrades.

Four (4) CAS staff were assigned for survey/design and two (2) staff for construction management and inspection services.



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7 - REFERENCES

CITY OF MARGATE

1001 West River Drive
Margate, Florida 33063

Contact: Reddy Chitepu, P.E., City Engineer
Telephone: (954) 972-0828
E-mail: engineer@margatefl.com



Work Performed: CAS has been working with the City of Margate since 1988 and some of the projects recently completed for the City include a 3,000 LF of new 20-inch forcemain, a canal crossing to existing water and forcemain connections at N.W. 39th Avenue and N.W. 43rd Avenue and conversion of eight (8) existing wetwell/drywell sanitary sewer lift stations to submersible pump stations including piping modifications. This is a multi-year professional engineering services contract on a work order basis.

Current Projects

CAS has completed the rehabilitation of sanitary sewer lift station No. 22 in 2016 as part of the wetwell/drywell to submersible lift station conversion effort for the City. Design Cost: \$50,530, Construction Cost: \$597,675

Currently the rehabilitation design for sanitary sewer lift station no. 21 is complete and is in the construction phase. Design Cost: \$29,880, Construction Cost: \$298,216

CAS is currently in the design phase for the replacement of approximately 11,000 linear feet of 2" galvanized steel and 6"-10" AC water main with 6"-10" PVC water main throughout the City's service area (within multiple residential subdivisions). Design Cost: \$217,560, Construction Cost Estimate: \$1,800,000

CAS is currently in the design phase for the rehabilitation a triplex on-site sanitary sewer lift station at the City's Wastewater Treatment Plant and the installation of a new concrete dump site structure for the disposal of stormwater debris. Extensive survey and subsurface utility engineering (SUE) was included in the scope of work. Design Cost: \$ 41,830, Construction Cost Estimate: TBD

Four (4) CAS staff were assigned for survey/design and two (2) staff for construction management and inspection services.



Craig A. Smith & Associates, Inc.

Engineers • Surveyors • Subsurface Utility Engineering
3D Subsurface Imaging • Utility Coordination

7 - REFERENCES

TOWN OF GOLDEN BEACH

1 Golden Beach Drive
Golden Beach, Florida 33160

Contact: Alexander Diaz, Town Manager
Telephone: (305) 932-0744
E-mail: alexldiaz@townofgoldenbeach.us

Work Performed: CAS is the Consulting Engineers for the Town of Golden Beach and have worked with them since 2000. CAS completed installation of approximately 1,215 linear feet of 12-inch water main, 13,850 linear feet of 8-inch water main and 1,050 linear feet of 6-inch water main, 37 fire hydrant assemblies, and the transfer of 370 new water meters for a complete retrofit of the Town's water main infrastructure. This project was funded through FDEP's State Revolving Fund Program. Total design cost including construction management for the project was \$317,441. Total construction cost was \$2,200,000. The project began in May 2009 and was completed in November 2011 without liquidated damages. Five (5) CAS staff were assigned for survey/design and two (2) for construction management and inspection services. This is a multi-year professional engineering services contract on a work order basis.

As part of a Town Capital Improvement Project, stormwater improvements for Phases III and IV were designed and constructed to be consistent with the town's overall master plan. The project consisted of a stormwater master pumping station with submersible pumps, 14,500 linear feet of DIP drainage pipe and force main (ranging in size from 16" to 72"), 205 drainage structures and 7 outfalls. Design costs for the project were \$1,263,240. Total construction costs were \$7,667,276. The project duration was three years and was completed in March 2011 without liquidated damages. Four (4) CAS staff were assigned for survey/design and two (2) staff for construction management and inspection services.





Craig A. Smith & Associates, Inc.

Engineers • Surveyors • Subsurface Utility Engineering
3D Subsurface Imaging • Utility Coordination

7 - REFERENCES

CITY-COUNTY PUBLIC WORKS AUTHORITY (CCPWA) – GLADES COUNTY

500 Avenue J
Moore Haven, Florida 33471

Contact: Paul Carlisle, County Manager
Telephone: (863) 946-6000
E-mail: pcarlisle@myglades.com

Work Performed: CAS is the Consulting Engineer for CCPWA and have worked with them since 1995. CAS recently completed construction of sanitary sewer improvements along Avenue L, M, N and 4th Street which included the installation of a duplex submersible wastewater lift station, 350 linear feet of 6" force main and 6,344 linear feet of 8"/10" gravity sewer line.

Projects that CAS has completed for CCPWA in the past include water and wastewater treatment plant expansion, assisting in obtaining HMGP, FDEP and SFWM grants and special appropriations to fund projects, and construction management on numerous utility projects. One hundred percent (100%) of utility projects completed over the last 20 years have been granted funded with CAS' assistance. CAS continues to provide Engineering Services to the CCPWA.





Craig A. Smith & Associates, Inc.

Engineers • Surveyors • Subsurface Utility Engineering

8 - INNOVATIVE TECHNOLOGY

SUBSURFACE UTILITY ENGINEERING (SUE) – 3-D RADAR TOMOGRAPHY

General Summary

With over 35 years in business, our staff of 40+ professional and technical personnel specializes in providing quality professional services to our clients. CAS has extensive experience in subsurface utility engineering (SUE) and employs the **latest state-of-the-art technologies**. In addition to traditional methods of utility locating such as vacuum excavation (potholing), electromagnetic (EM) induction for tonable utilities, and 2-D Ground Penetrating Radar (GPR), CAS can utilize a **proprietary patented scanning technology** known as 3-D Radar Tomography for subsurface utility investigations. 3-D Radar Tomography is a powerful scanning technology which provides for a continuous 3-dimensional scan of subsurface utilities with high levels of accuracy. CAS has utilized this technology in effectively locating subsurface utilities in South Florida with proven results for over 15 years. In today's congested utility corridors accurate and comprehensive utility locates is essential to sound utility engineering design. A FHWA/Purdue University Study documented a **\$4.62 return** on every \$1 invested in traditional SUE and an FDOT documented a **\$12.00 return** on every \$1 invested in 3-D Radar Tomography.



Typical 3-D Radar Tomography Scanning Unit



Craig A. Smith & Associates, Inc.

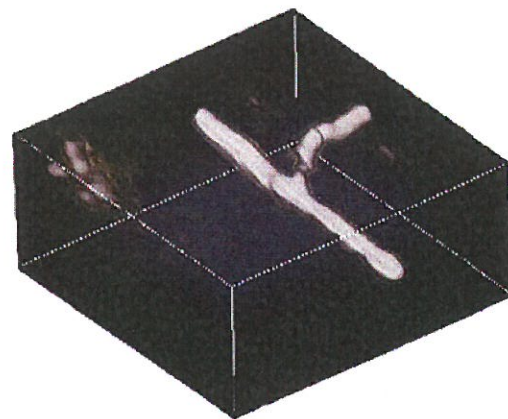
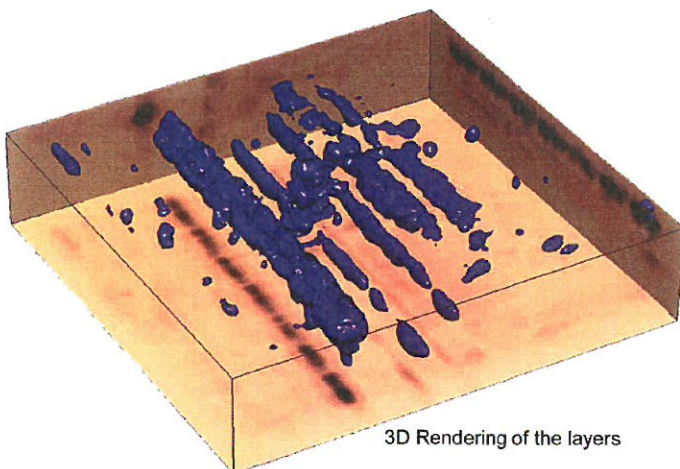
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8 - INNOVATIVE TECHNOLOGY

The "CAS Advantage" – Benefits of a Unified Design Process and the Use of 3-D Radar Tomography

CAS has the unique capability of providing clients with survey and advanced utility locates for utility design projects. CAS' highly experienced survey crews and utility locating staff with the use of all the latest technology, coordinate closely with project engineers and collect field data with engineering principles and guidelines in mind. The fact that CAS provides such a unified process to design allows for fast tracking of design projects.

CAS' unique capability in providing 3-D Radar Tomography scanning provides continuous x,y,z positioning of buried utilities with great accuracy (+/- 2 inches horizontally and +/- 6 inches vertically) along with the associated topographic profile (ground surface elevations). The 3-D Radar Tomography unit is equipped with an array of 17 antennas that "cross communicate" thus allowing for the level of accuracy stated above. Generally, utilities to a buried depth of up to 15 feet can be identified by this technology and all pipe material type can be located, including bends/fittings and offsets. Also, abandoned facilities and non-utility anomalies can be identified that could potentially interfere with design elements. The use of this technology can be especially beneficial for aged utility areas where record drawings are poor or non-existent. The implementation of 3-D Radar Tomography (3-D RT) to water main relocation projects as proposed under this contract offers a practical solution to this critical issue. This allows for the generation of very accurate and complete base maps which, in turn, accelerates the design process delivering 60% design plans at a typical 30% design plan submittal. In addition, this translates to superior final construction plans, greatly reducing the potential for changes orders and delays during construction due to unforeseen conflicts. Each 3-D RT unit scans a 6-foot wide pass. Under ideal conditions (unobstructed clear areas), 5 acres per day can be scanned with a single 3-D Radar Tomography scanning unit. The use of 3-D RT can reduce the need of vacuum excavation by 90% for locating subsurface utilities, thus reducing surface impacts and restoration. 3-D RT is very cost competitive when compared to traditional SUE methods due to the speed of data acquisition, accuracy and processing time.





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Engineers • Surveyors • Subsurface Utility Engineering

8 - INNOVATIVE TECHNOLOGY

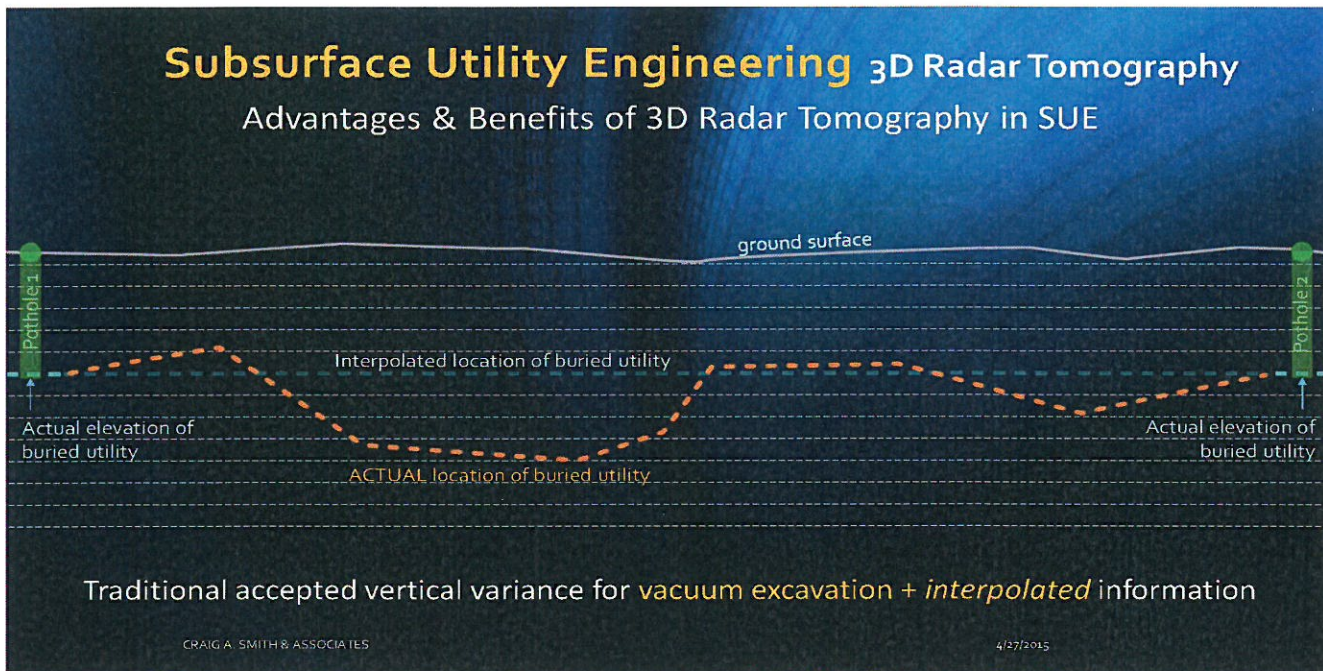


Diagram 1

The traditional vacuum excavation method of utility locating only provides accurate utility locations at the points of excavation, thus requiring estimation or interpolation of the utility location between the points of excavation as shown above in Diagram 1. Often though, there may be considerable variability in utility alignment between points of excavation. The use of 3-D RT scanning eliminates such uncertainties in utility locates by providing a continuous scan of the utility alignment as show below in Diagram 2.

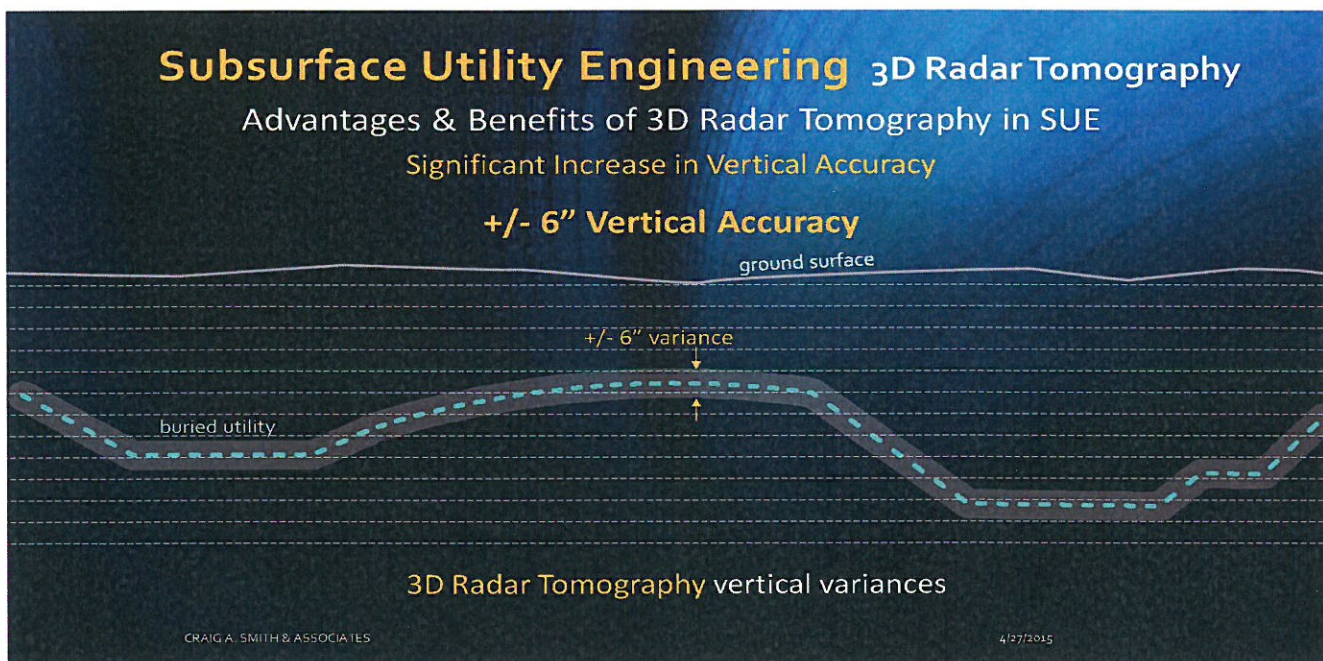


Diagram 2

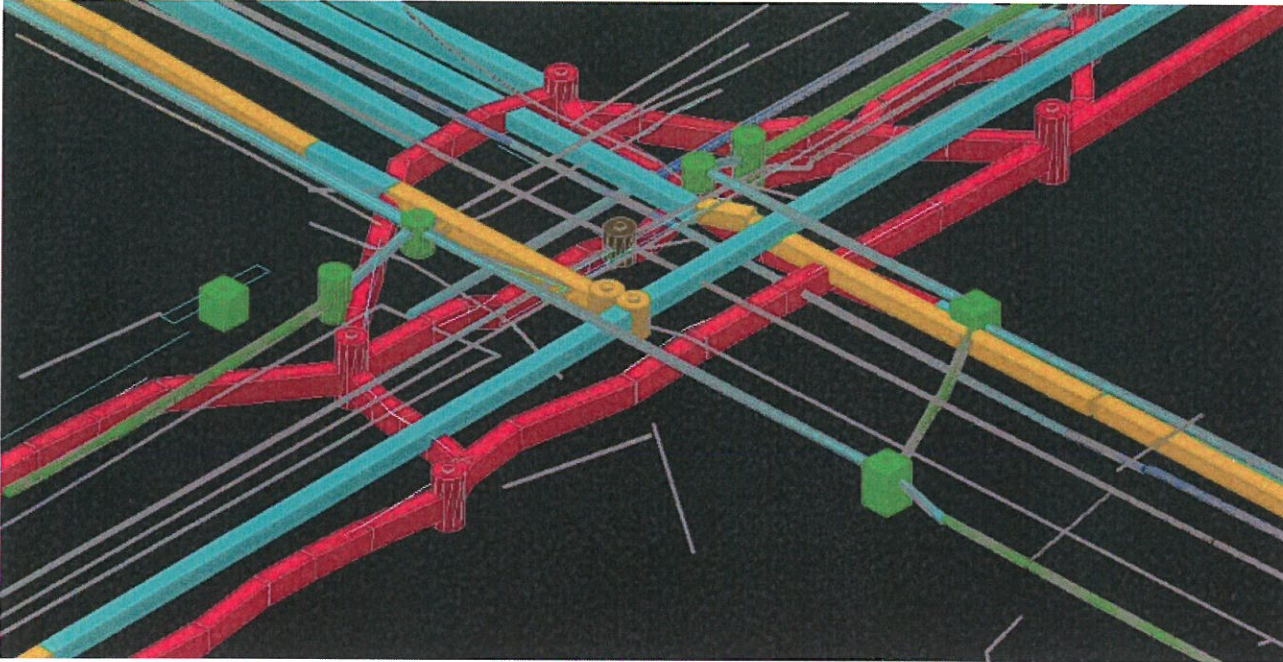


Craig A. Smith & Associates, Inc.

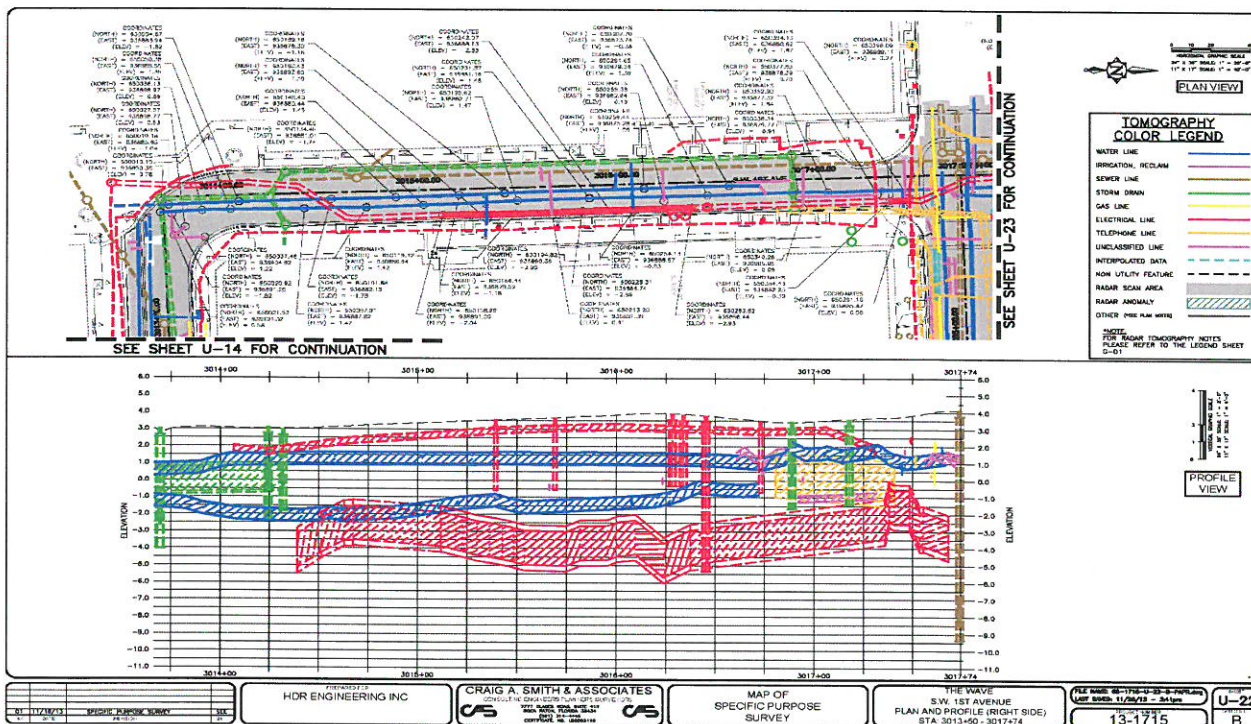
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8 - INNOVATIVE TECHNOLOGY

Once the data is processed and downloaded in Autodesk Civil 3-D, a 3-D model of the subsurface conditions can be generated along with the traditional plan and profile drawings as base maps for design.



Typical 3-D Model Deliverable of Subsurface Utilities



Typical Civil 3-D CADD Plan & Profile Deliverable



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8 - INNOVATIVE TECHNOLOGY

3-D Radar Tomography – Limiting Factors

3-D RT is generally very successful in scanning through sandy soils, gravel, limestone, granite, asphalt, concrete and shale, but readings can be inhibited by dense organic soil material such as muck, clay or peat. Also, flowable fill may limit the radar's penetrating ability. In addition, narrow corridors (less than 6 feet wide) with numerous above ground obstructions such as utility poles, cable boxes, bollards, or FPL transformers may limit the 3-D RT unit's accessibility. The use of 2-D GPR may be preferred in such restricted areas.

Subsurface Utility Engineering Services for Clients

Our current and past clients for subsurface utility engineering services include federal, state, county, city government facilities; U.S. Naval facilities; NASA Facilities; Port Authorities; design engineers and contractors.

CAS maintains unlimited qualification with FDOT in categories 3.1, 7.1, 8.1 & 8.2. CAS is also licensed by the State of Florida Department of Business and Professional Regulation Board of Surveyors as an Engineering Survey firm, Land Bureau number 03110 (LB 03110).

CAS performs subsurface utility engineering & coordination services for numerous municipal clients and is licensed and capable of performing proprietary and patented **3D Radar Tomography** services throughout the United States.

CAS performs comprehensive subsurface utility engineering for many municipalities on a contractual basis, serving as the municipalities' One Call respondent. In this capacity, CAS staff members perform hundreds of utility line designations every week. CAS also performs 2D Ground Penetrating Radar locates and vacuum excavations for our municipal and private clients. In addition to providing One Call locates, CAS serves as the municipalities' or clients' "clearing house" for design related utility services providing plan mark-up, level D through A utility marking services, and coordination response in accordance with Utility Accommodation Manual requirements.

CAS is currently providing utility locating services for the following:

- City of Cooper City
- City of Hollywood
- City of Coconut Creek
- Town of Pembroke Park
- Town of Davie
- City of Miami Gardens
- Village of Bal Harbour
- US Navy, NAS Key West
- Marathon Oil Corp
- TECO Peoples Gas
- Citgo Petroleum
- City of North Miami
- City of Miami Beach
- City of Pembroke Pines
- Tampa Electric
- City of Weston
- Town of Jupiter
- Martin County
- FDOT



Craig A. Smith & Associates, Inc.

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8 - INNOVATIVE TECHNOLOGY

Additionally, in the past CAS has performed various locating services for the following:

- Town of Golden Beach
- City of Sweetwater
- City of Tampa
- City of Lauderhill
- City of Aventura
- City of North Miami
- City of North Miami Beach
- Broward County
- Pasco County
- Miami-Dade County
- Palm Beach County
- Sarasota County
- Collier County
- NASA Kennedy Space Center
- Hardee County
- FPL
- AT&T / BellSouth
- US Military Facilities
- Colonial Pipeline
- Marathon Pipeline
- Valero Energy
- Armada Hess
- Motiva (Shell) Enterprises
- Port Everglades
- Port of Tampa
- Port of Jacksonville
- Koch Pipeline
- Buckeye Partners
- Progress Energy
- Orange County
- JEA
- US Park Service
- Central Intelligence Agency
- US Air Force
- US Army
- Balfour Beatty / Parsons Brinkerhoff

CAS performs all utility related surveys in accordance with Minimum Technical Standards for Surveying & Mapping, ASCE 38/02. All survey work is performed under the direct supervision of a licensed professional surveyor.

CAS is fully compliant with major CADD software platforms (AutoCAD Civil 3D & AutoDesk Civil Design).

Quality Assurance / Quality Control – CAS maintains a comprehensive Quality Control and Assurance program including, independent reviews by principal members of the firm. The principals maintain a vested financial interest in the operation of the firm and output of quality deliverables. CAS performs quality reviews through each phase of the project, up and through to deliverables. Quality reviews are performed at the staff, project engineer, project manager and principal levels. Records of all deficiencies found are noted and recorded. Corrections to deficiencies are checked against previously noted items and confirmed for correction and compliance. This process is repeated through each project phase, through final delivery.

OFFEROR'S CERTIFICATION

WHEN OFFEROR IS A CORPORATION

IN WITNESS WHEREOF, the Offeror hereto has executed this Proposal Form this 26th day of February, 2018.

Craig A. Smith & Associates, Inc.
Printed Name of Corporation

Florida
Printed State of Incorporation

By: [Signature]
Signature of President or other authorized officer

(CORPORATE SEAL)

Gene R. Schriner
Printed Name of President or other authorized officer

ATTEST:

By EMKfeld
Secretary

7777 Glades Road, Suite 410
Address of Corporation
Boca Raton, FL 33434
City/State/Zip
561-314-4445
Business Phone Number

State of Florida

County of Palm Beach

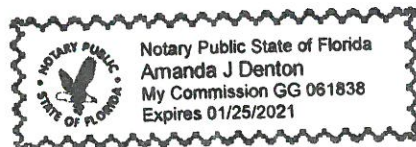
The foregoing instrument was acknowledged before me this 26th day of February,

2018, by Gene R. Schriner (Name), President (Title) of

Craig A. Smith & Associates, Inc. (Company Name) on behalf of the corporation, who is personally known to me or who has produced as identification and who did (did not) take an oath.

WITNESS my hand and official seal.

Amanda J. Denton
NOTARY PUBLIC



Amanda J. Denton
(Name of Notary Public: Print, Stamp, or type as Commissioned)

OFFEROR'S
QUALIFICATION STATEMENT

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

SUBMITTED TO: City of Margate (Purchasing Manager)

ADDRESS: 5790 Margate Boulevard
Margate, Florida 33063

CIRCLE ONE

SUBMITTED BY: Gene R. Schriner	Corporation
NAME: Craig A. Smith & Associates, Inc.	Partnership
ADDRESS: 7777 Glades Road, Suite 410, Boca Raton, FL 33434	Individual
PRINCIPAL OFFICE: same as above	Other

1. State the true, exact, correct and complete name of the partnership, corporation, trade or fictitious name under which you do business and the address of the place of business.

The correct name of the Offeror is: Craig A. Smith & Associates, Inc.

The address of the principal place of business is: 7777 Glades Road, Suite 410
Boca Raton, FL 33434

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

- a. Date of Incorporation: August 7, 1980
- b. State of Incorporation: Florida
- c. President's name: Gene R. Schriner
- d. Vice President's name: Stephen C. Smith
- e. Secretary's name: Yelyzaveta Maxfield
- f. Treasurer's name: N/A
- g. Name and address of Resident Agent: Stephen C. Smith
7777 Glades Road, Suite 410
Boca Raton, FL 33434

3. If Offeror is an individual or a partnership, answer the following: N/A

a. Date of organization:

b. Name, address and ownership units of all partners:

c. State whether general or limited partnership:

4. If Offeror is other than an individual, corporation or partnership, describe the organization and give the name and address of principals: N/A

5. If Offeror is operating under a fictitious name, submit evidence of compliance with the Florida Fictitious Name Statute. N/A

6. How many years has your organization been in business under its present business name? 38 years

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

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

State of Florida Certificate of Status Document No.	681464
Craig A. Smith & Associates, Inc. (Engineering)	3110
Craig A. Smith & Associates, Inc. (Surveying)	LB3110
Gene R. Schriener, P.E.	38821
Stephen C. Smith, P.E.	48914
James R. Orth, P.E.	50126
Orlando A. Rubio, P.E.	48265
Frank Vilar, P.E.	55459
Robert D. Keener, P.S.M.	LS4846

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

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

(Signature)

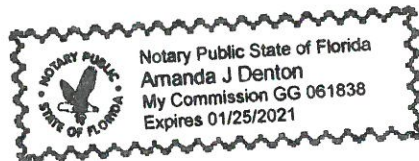
State of Florida

County of Palm Beach

The foregoing instrument was acknowledged before me this 26th day of February, 2018, by Gene R. Schriener, who is personally known to me or who has produced _____ as identification and who did (did not) take an oath.

WITNESS my hand and official seal.

NOTARY PUBLIC



Amanda J. Denton
(Name of Notary Public: Print, Stamp, or Type as Commissioned)



NON-COLLUSIVE AFFIDAVIT FOR RFQ 2018-009

State of Florida)

County of Palm Beach) ss:

Gene R. Schriner, being first duly sworn,
deposes and says that:

He/she is the Officer (Owner, Partner, Officer, Representative or Agent) of Craig A. Smith & Associates, Inc.
the Offeror that has submitted the attached Proposal;

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

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

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

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

Signed, sealed and delivered in the presence of:

Amanda Denton
Witness

By:

Gene R. Schriner

Dimitrios Saitan
Witness

Gene R. Schriner
Printed Name

President
Title

ACKNOWLEDGMENT
NON-COLLUSIVE AFFIDAVIT FOR RFQ 2018-009

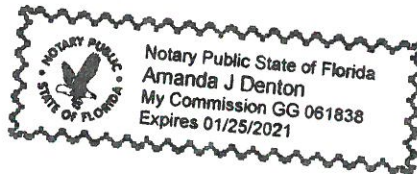
State of Florida)
) ss:
County of Palm Beach)

BEFORE ME, this 26th day of Feb. 2018, personally appeared Gene R. Schriener
_____, (Name(s) of individual(s) who appeared before notary),
and who did/ did not take an oath, and acknowledged before me that he/she/it
executed same.

WITNESS my hand and official seal.

Amanda J. Denton

Amanda J. Denton
Notary Public
State of Florida at Large



My commission expires: 01/25/2021

**REGISTRATION, LICENSES, CERTIFICATES &
PROOF OF INSURANCE**

PRIME CONSULTANT

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, 2017, that its most recent annual report/uniform business report was filed on March 10, 2017, and that 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 the State of Florida
at Tallahassee, the Capital, this
the Tenth day of March, 2017*



Ken Detjen
Secretary of State

Tracking Number: CU2709411935

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

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

State of Florida Business Licenses

ENGINEERING

State of Florida

Board of Professional Engineers

Attests that

Craig A. Smith & Associates, Inc.



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

Expiration: 2/28/2019

Audit No: 228201903337 R

CA Lic. No:

3110

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, 2019

Professional Surveyor and Mapper Business License

Under the provisions of Chapter 472, Florida Statutes

CRAIG A SMITH & ASSOCIATES, INC.

7777 GLADES RD STE 410

BOCA RATON, FL 33434-4193

ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

State of Florida Professional Licenses

ENGINEERING

State of Florida

Board of Professional Engineers

Attests that

Gene Robert Schriner , P.E.



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

Expiration: 2/28/2019

Audit No: 228201918953 R

P.E. Lic. No:

38821

State of Florida

Board of Professional Engineers

Attests that

Stephen Craig Smith , P.E.



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

Expiration: 2/28/2019

Audit No: 228201919451 R

P.E. Lic. No:

48914

State of Florida

Board of Professional Engineers

Attests that

Orlando Alberto Rubio , P.E.



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

Expiration: 2/28/2019

Audit No: 228201906426 R

P.E. Lic. No:

48265

State of Florida

Board of Professional Engineers

Attests that
Frank Vilar , P.E.



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

Expiration: 2/28/2019

Audit No: 228201909655 R

P.E. Lic. No:

55459

State of Florida

Board of Professional Engineers

Attests that
James R. Orth , P.E.



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

Expiration: 2/28/2019

Audit No: 228201923394 R

P.E. Lic. No:

50126

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 Pkway Tallahassee, Florida 32399-6500

License No.: **LS4846**

Expiration Date February 28, 2019

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 of Adam H. Putnam in black ink, positioned above a horizontal line.

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.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

12/09/2017

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

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

PRODUCER	CONTACT NAME: Kim Hefferon PHONE (A/C, No, Ext): 561-210-8715 E-MAIL ADDRESS: khefferon@thesenagroup.com	FAX (A/C, No): 561-210-8716
Sena & Whitney LLC 190 Glades Rd Suite C Boca Raton, FL 33432	INSURER(S) AFFORDING COVERAGE	
INSURED	INSURER A: Travelers/Phoenix Insurance Co	NAIC #
CRAIG A. SMITH & ASSOCIATES 7777 GLADES ROAD SUITE 410 BOCA RATON, FL 33434	INSURER B: AIG Specialty Insurance Company	
	INSURER C: Hiscox Insurance Company, Inc.	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 00000000-970286

REVISION NUMBER: 9

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			X660505M2249-PHX-17	12/01/2017	12/01/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			BE 011535567	12/01/2017	12/01/2018	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A				PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
C	PROFESSIONAL E&O			ANE1201537-17	04/01/2017	04/01/2018	PER CLAIM 1,000,000
C	PROFESSIONAL E&O			ANE1201537-17	04/01/2017	04/01/2018	AGGREGATE 2,000,000

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

CERTIFICATE HOLDER

CANCELLATION

PROOF OF INSURANCE

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

AUTHORIZED REPRESENTATIVE

(KIH)

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

01/03/2018

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

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

PRODUCER	CONTACT NAME:	
FrankCrum Insurance Agency, Inc. 100 South Missouri Avenue Clearwater, FL 33756	PHONE (A/C, No, Ext): (800) 277-1620 X 4800	FAX (A/C, No): (727) 797-0704
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
INSURED	INSURER A: Frank Winston Crum Insurance Company	NAIC# 11600
FrankCrum L/C/F Craig A. Smith & Associates, Inc. 100 South Missouri Avenue Clearwater, FL 33756	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 465781

REVISION NUMBER: 1

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

INSR LTR	TYPE OF INSURANCE	ADDL INSRD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	\$
	<input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$
							MED EXP (Any one person)	\$
							PERSONAL & ADV INJURY	\$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$
	<input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC						PRODUCTS-COMP/OP AGG	\$
	OTHER:							\$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	\$
	<input type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$
	<input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS						BODILY INJURY (Per accident)	\$
	<input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	\$
								\$
	UMBRELLA LIAB						EACH OCCURRENCE	\$
	<input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE						AGGREGATE	\$
	DED <input type="checkbox"/> RETENTION \$							\$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/>	N/A	WC201800000	01/01/2018	01/01/2019	X PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/>	
							E.L. EACH ACCIDENT	\$1,000,000
							E.L. DISEASE-EA EMPLOYEE	\$1,000,000
							E.L. DISEASE-POLICY LIMIT	\$1,000,000

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

Effective 12/01/2011, coverage is for 100% of the employees of FrankCrum leased to Craig A. Smith & Associates, Inc. (Client) for whom the client is reporting hours to FrankCrum. Coverage is not extended to statutory employees.

CERTIFICATE HOLDER

CANCELLATION

Craig A. Smith & Associates, Inc. 7777 Glades Rd, Ste 410 Boca Raton, FL 33434	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
04/27/2017

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

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

PRODUCER Marsh Sponsored Programs a division of Marsh USA Inc. PO Box 14404 Des Moines, IA 50306-9686	CONTACT NAME:	
	PHONE (A/C, No, Ext): 1-877-320-9393 FAX (A/C, No): 515-365-0895 E-MAIL ADDRESS: riskmanagement@marshpm.com Vendor ID: 31459	
INSURED CRAIG A. SMITH & ASSOCIATES 7777 Glades Road Suite 410 Boca Raton, FL 33434	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Old Republic Insurance Company	24147
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

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

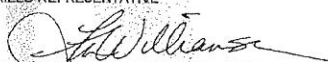
INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE \$
	<input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence) \$
							MED EXP (Any one person) \$
							PERSONAL & ADV INJURY \$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE \$
	<input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						PRODUCTS - COM/OP AGG \$
	OTHER:						\$
A	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input type="checkbox"/> ANY AUTO						BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS	X		L106034-17	04/27/2017	04/27/2018	BODILY INJURY (Per accident) \$
	<input checked="" type="checkbox"/> HIRED AUTOS	X	X				PROPERTY DAMAGE (Per accident) \$
							\$
	UMBRELLA LIAB						EACH OCCURRENCE \$
	<input type="checkbox"/> EXCESS LIAB						AGGREGATE \$
	<input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$						\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/>
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)		N/A				E.L. EACH ACCIDENT \$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$
							E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) GPBR: 2QL2

Policy provides protection for any & all operations/jobs performed by the named insured where required by written contract. Certificate holder is an Additional Insured where required by written contract. Waiver of Subrogation included where required by written contract. Insurance is primary and non-contributory.

CERTIFICATE HOLDER

CANCELLATION

Proof of Insurance 7777 Glades Road Suite 410 Boca Raton, FL 33434	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

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**REGISTRATION, LICENSES, CERTIFICATES &
PROOF OF INSURANCE**

SUBCONSULTANTS



PROFESSIONAL LICENSES

State of Florida

Board of Professional Engineers

Attests that

Bailey Engineering Consultants, Inc.

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

Expiration: 2/28/2019

Audit No: 228201904729 R



FBPE
FLORIDA BOARD OF
PROFESSIONAL ENGINEERS

CA Lic. No:

6783

State of Florida

Board of Professional Engineers

Attests that

Stephen Edward Bailey, P.E.

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

Expiration: 2/28/2019

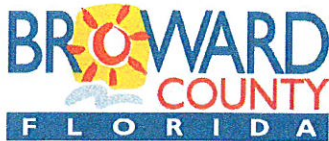
Audit No: 228201928199 R



FBPE
FLORIDA BOARD OF
PROFESSIONAL ENGINEERS

P.E. Lic. No:

42461



OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
Governmental Center Annex

115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301
954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

July 21, 2017

Mr. Stephen E. Bailey, P.E.
BAILEY ENGINEERING CONSULTANTS, INC.
10620 Griffin Road, Suite 202
Cooper City, Florida 33328

Dear Mr. Bailey:

The Broward County Office of Economic and Small Business Development is pleased to announce that your firm's **County Business Enterprise (CBE)** certification has been renewed.

Your firm's certification is continuing from your anniversary date, but is contingent upon the firm verifying its eligibility annually through this office. You will be notified in advance of your obligation to continue eligibility in a timely fashion. However, the responsibility to assure continued certification is yours. Failure to document your firm's continued eligibility for the CBE program within **thirty (30) days** from your anniversary may result in the expiration of your firm's certification. Should you continue to be interested in certification after it has expired, you will need to submit a new application and all required supporting documentation for review.

To review current Broward County Government bid opportunities visit: www.broward.org/Purchasing and click on "Current Solicitations and Results." Also, from this website, you can log into your firm's profile in BidSync to ensure you have added all appropriate classification codes. Bid opportunities over \$3,500 will be advertised to vendors via e-mail and according to classification codes, so please ensure that both the Purchasing Division and OESBD are apprised of your current e-mail address.

Your primary certification group is: **Architecture and Engineering Services**. This is also how your listing in our directory will read. You may access your firm's listing by visiting the Office of Economic and Small Business Development Directory, located on the internet at: www.broward.org/EconDev and click on "Certified Firm Directories."

Your firm may compete for, and perform work on Broward County projects in the following areas:

NAICS CODE: 541330

We look forward to working with you to achieve greater opportunities for your business through county procurement.

Sincerely,

A handwritten signature in blue ink, appearing to read "Sandy-Michael McDonald", is written over a horizontal line.

Sandy-Michael McDonald, Director
Office of Economic and Small Business Development

Cert Agency: BC-CBE
ANNIVERSARY DATE: JULY 24th

Broward County Board of County Commissioners
Mark D. Bogen • Beam Furr • Steve Geller • Dale V.C. Holness • Chip LaMarca • Nan H. Rich • Tim Ryan • Barbara Sharief • Michael Udine
www.broward.org

Certified Firm Directory

Business Name: bailey engineering consultants, inc.

Business Activity Type: All Business Activity Types

Specialty: All Specialties

County: All Counties

Certifications: Any Certification

Status: All

Business Name	County	Phone	Specialties	Registered BC Vendor/Number
Mailing Address		Fax	Email	Certifications
Bailey Engineering Consultants, Inc.	Broward	954-448-7930	Electrical Engineering SCADA System Design --None Selected-- --None Selected--	No
10620 Griffin Road Suite 202 Cooper City FL 33328		954713-9959	sbailey@baileyengineering.com CBE	

[Print This Report](#)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

8/15/2017

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

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PRODUCER	CONTACT NAME: CAROL WIGGIN
FULTON AGENCY INC	PHONE (A/C, No, Ext): (954)776-9015
1301 E Oakland Park Blvd	FAX (A/C, No): (954)318-7474
Oakland Park, FL 33334	E-MAIL ADDRESS: carol@fultonagency.com
	INSURER(S) AFFORDING COVERAGE
	INSURER A: DEPOSITORS INSURANCE CO
	INSURER B:
	INSURER C:
	INSURER D:
	INSURER E:
	INSURER F:

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	X	ACP596417778	5/8/2017	5/8/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY	X	ACP596417778	5/8/2017	5/8/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$	X	ACP596417778	5/8/2017	5/8/2018	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N/A				PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

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

CERTIFICATE HOLDER INCLUDED AS ADDITIONAL INSURED.

CERTIFICATE HOLDER	CANCELLATION
SAMPLE	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

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CERTIFICATE OF LIABILITY INSURANCE

OP ID: LW

DATE (MM/DD/YYYY)

04/05/2017

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

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PRODUCER Gifford Wells Insurance 750 East Propect Road Fort Lauderdale, FL 33334 Lynette C. Wells		CONTACT NAME: PHONE (A/C, No, Ext): E-MAIL ADDRESS: PRODUCER CUSTOMER ID #: BAILE-1		
INSURED Bailey Engineering Consultants 10620 Griffin Road, Suite 202 Cooper City, FL 33328		INSURER(S) AFFORDING COVERAGE		NAIC #
		INSURER A : Travelers Casualty and Surety		
		INSURER B : A++ (Superior) XV		
		INSURER C :		
		INSURER D :		
		INSURER E :		
		INSURER F :		

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

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

INSR LTR	TYPE OF INSURANCE	ADD'L SUBR INSR	WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY						
	<input type="checkbox"/> COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE \$
	<input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence) \$
							MED EXP (Any one person) \$
							PERSONAL & ADV INJURY \$
							GENERAL AGGREGATE \$
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG \$
	<input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						\$
	AUTOMOBILE LIABILITY						
	<input type="checkbox"/> ANY AUTO						COMBINED SINGLE LIMIT (Ea accident) \$
	<input type="checkbox"/> ALL OWNED AUTOS						BODILY INJURY (Per person) \$
	<input type="checkbox"/> SCHEDULED AUTOS						BODILY INJURY (Per accident) \$
	<input type="checkbox"/> HIRED AUTOS						PROPERTY DAMAGE (PER ACCIDENT) \$
	<input type="checkbox"/> NON-OWNED AUTOS						\$
							\$
							\$
	UMBRELLA LIAB						EACH OCCURRENCE \$
	<input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE						AGGREGATE \$
	<input type="checkbox"/> DEDUCTIBLE						\$
	<input type="checkbox"/> RETENTION \$						\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	Y/N					WC STATUTORY LIMITS OTH-ER
	If yes, describe under DESCRIPTION OF OPERATIONS below	N/A					E.L. EACH ACCIDENT \$
							E.L. DISEASE - EA EMPLOYEE \$
							E.L. DISEASE - POLICY LIMIT \$
A	Professional Liability			106712588	04/04/2017	04/04/2018	Per Claim 1,000,000 Aggregate 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Architects & Engineers Professional Liability with Full Prior Acts
Form DPL-1001 Ed. 11-08

CERTIFICATE HOLDER	CANCELLATION
SAMPLE	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>Lynette C Wells</i>

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State of Florida

Department of State

I certify from the records of this office that RADISE INTERNATIONAL, L.C. is a limited liability company organized under the laws of the State of Florida, filed on September 30, 1997.

The document number of this limited liability company is L97000001085.

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 2, 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
the Second day of January, 2018*



Ken Diefner
Secretary of State

Tracking Number: CC6873483874

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

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

State of Florida

Board of Professional Engineers

Attests that
RADISE International, L.C.



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

Expiration: 2/28/2019

Audit No: 228201904599 R

CA Lic. No:

8901

State of Florida

Board of Professional Engineers

Attests that

Thomas Francis Mullin , P.E.



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

Expiration: 2/28/2019

Audit No: 228201932609 R

P.E. Lic. No:

43366

State of Florida

Board of Professional Engineers

Attests that

Gregory Joseph Stelmack, P.E.



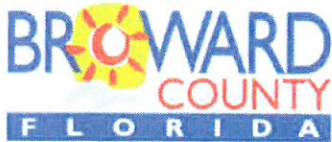
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2019

Audit No: 228201925944 R

P.E. Lic. No:

70556



OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
Governmental Center Annex

115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301
954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

November 1, 2017

Mr. Kumar A. Allady
RADISE INTERNATIONAL, L.C.
3296 NW 9th Avenue
Oakland Park, Florida 33309

Dear Mr. Allady:

The Broward County Office of Economic and Small Business Development (OESBD) is pleased to announce that your firm's **County Business Enterprise (CBE)** certification has been renewed.

Your firm's certification is continuing from your anniversary date, but is contingent upon the firm verifying its eligibility annually through this office. You will be notified in advance of your obligation to continue eligibility in a timely fashion. However, the responsibility to assure continued certification is yours. Failure to document your firm's continued eligibility for the CBE program within **thirty (30) days** from your anniversary may result in the expiration of your firm's certification. Should you continue to be interested in certification after it has expired, you will need to submit a new application and all required supporting documentation for review.

To review current Broward County Government bid opportunities visit: www.broward.org/Purchasing and click on "Current Solicitations and Results." Also, from this website, you can log into your firm's profile in BidSync to ensure you have added all appropriate classification codes. Bid opportunities over \$3,500 will be advertised to vendors via e-mail and according to classification codes, so please ensure that both the Purchasing Division and OESBD are apprised of your current e-mail address.

Your primary certification group is: **Architecture/Engineering Services**. This is also how your listing in our directory will read. You may access your firm's listing by visiting the Office of Economic and Small Business Development Directory, located on the internet at: www.broward.org/EconDev and click on "Certified Firm Directories."

Your firm may compete for, and perform work on Broward County projects in the following areas:

NAICS CODE: 541330, 541380, 541512, 541511, 541519

We look forward to working with you to achieve greater opportunities for your business through county procurement.

Sincerely,

A handwritten signature in blue ink, appearing to read "Sandy-Michael McDonald".

Sandy-Michael McDonald, Director
Office of Economic and Small Business Development

Cert Agency: BC-CBE
ANNIVERSARY DATE: October 24th

Broward County Board of County Commissioners
Mark D. Bogen • Beam Furr • Steve Geller • Dale V.C. Holness • Chip LaMarca • Nan H. Rich • Tim Ryan • Barbara Sharief • Michael Udine
www.broward.org



Governmental Center Annex
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

Office of Economic and Small Business Development

This Certificate is Awarded to:

RADISE INTERNATIONAL, L.C.

As set forth in the Broward County Business
Opportunity Act of 2012, the certification requirements
have been met for:

**County Business Enterprise
Anniversary Date: OCTOBER 24TH**


Authorized Representative

The Office of Economic and Small Business Development must be notified within 30 days of any material changes in the business which may affect ownership and control.
Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

A service of the **Broward County Board of County Commissioners**
www.broward.org/smallbusiness



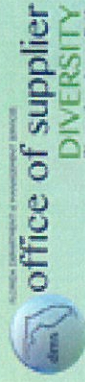
Woman & Minority Business Certification

RADISE International

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

07/20/2017 to 07/20/2019

Erin Rock, Secretary
Florida Department of Management Services





RADIINT-01

DCHARRON

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

03/22/2017

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

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

PRODUCER Collinsworth, Alter, Lambert, LLC 23 Eganfuskee Street Suite 102 Jupiter, FL 33477	CONTACT NAME: Dianthe Charron		
	PHONE (A/C, No, Ext): (561) 776-9001	FAX (A/C, No): (561) 427-6730	
	E-MAIL ADDRESS: dcharron@callc.com		
INSURED RADISE International, L.C. 4152 W Blue Heron Boulevard Suite 1114 Riviera Beach, FL 33404	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A: Monroe Guaranty Insurance Company		32506
	INSURER B: Everest National Insurance Co		10120
	INSURER C: National Trust Insurance Co		20141
	INSURER D: FCCI Insurance Company		10178
	INSURER E: Crum & Forster Specialty Ins		44520
	INSURER F:		

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			GL00151785	03/22/2017	03/22/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			CF4CA00882171	03/22/2017	03/22/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			UMB00186034	03/22/2017	03/22/2018	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000 \$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	001WC17A66400	03/22/2017	03/22/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
E	Professional Liab			PKC104899	03/22/2017	03/22/2018	Claims Made \$ 2,000,000
E	Pollution Liab			PKC104899	03/22/2017	03/22/2018	Limit \$ 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Certificate holder is named as additional insured including products and completed operations for general liability per CGL084, auto liability and umbrella liability when required by written contract. General Liability is primary and non-contributory when required by written contract. Waiver of subrogation applies to general liability, auto liability, and workers' compensation for the certificate holders when required by written contract. Umbrella extends over general liability, and employer's liability. Cancellation applies as per policy terms, conditions and exclusions.

CERTIFICATE HOLDER RADISE International LC 4152 West Blue Heron Boulevard Suite 1114 Riviera Beach, FL 33404	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
---	--

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL GEOLOGISTS

LICENSE NUMBER

GB625

The GEOLOGY BUSINESS
Named below IS CERTIFIED
Under the provisions of Chapter 492 FS.
Expiration date: JUL 31, 2018



TESSIER CONSULTING LLC
6528 WOOD LAKE RD
JUPITER FL 33458



ISSUED: 05/17/2016

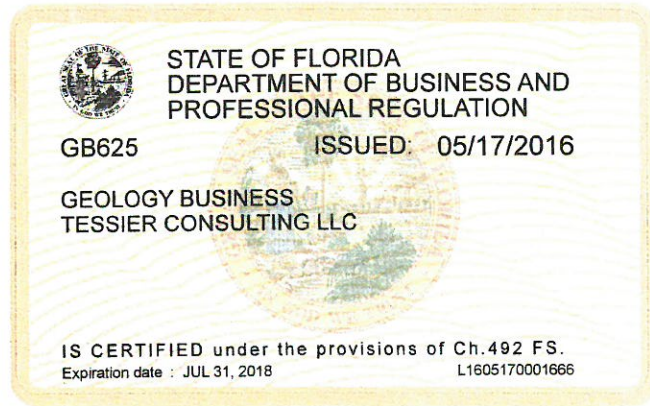
DISPLAY AS REQUIRED BY LAW

SEQ # L1605170001666

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!



DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL GEOLOGISTS

LICENSE NUMBER

PG775

The PROFESSIONAL GEOLOGIST
Named below IS LICENSED
Under the provisions of Chapter 492 FS.
Expiration date: JUL 31, 2018

TESSIER, THOMAS LEONARD
6528 WOOD LAKE ROAD
JUPITER FL 33458



ISSUED: 05/17/2016

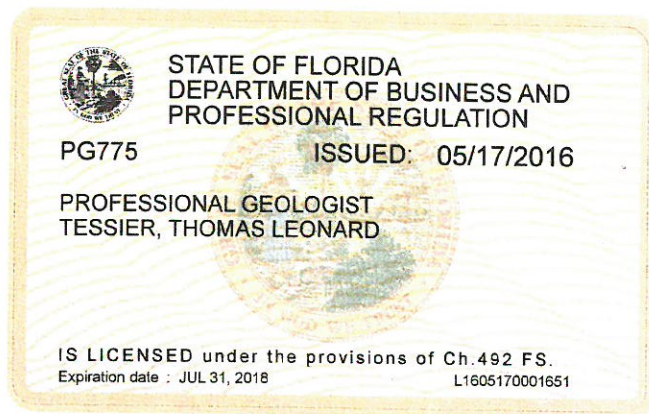
DISPLAY AS REQUIRED BY LAW

SEQ # L1605170001651

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!



DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

QUALIFIED STORMWATER MANAGEMENT INSPECTOR

The undersigned hereby acknowledges that

Thomas Tessier

has successfully met all requirements necessary to be fully qualified through
the Florida Department of Environmental Protection Stormwater Erosion
and Sedimentation Control Inspector Training Program

May 16, 2013

Hal Lunsford
Hal Lunsford

Inspector Number 28945

Lee Marchman

Lee Marchman, P.E.

State of Florida

Board of Professional Engineers

Attests that

Lakdas/Yohalem Engineering Inc



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

Expiration: 2/28/2019

Audit No: 228201901432 R

CA Lic. No:

5458

State of Florida

Board of Professional Engineers

Attests that

Lakdas Nanayakkara, P.E.



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

P.E. / SI Lic. No:

37590 690

Expiration: 2/28/2019

Audit No: 228201912869 SI

SPECIAL INSPECTOR

State of Florida

Board of Professional Engineers

Attests that

Zuhair Mahmoud Jalloul, P.E.



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

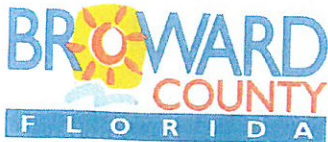
Expiration: 2/28/2019

Audit No: 228201927632 SI

P.E. / SI Lic. No:

35416 1017

SPECIAL INSPECTOR



OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT

Governmental Center Annex

115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301
954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

October 10, 2017

Mr. Lakdas Nanayakkara
LAKDAS/YOHALEM ENGINEERING, INC.
2211 NE 54th Street
Fort Lauderdale, Florida 33308

Dear Mr. Nanayakkara:

The Broward County Office of Economic and Small Business Development is pleased to announce that your firm's **County Business Enterprise (CBE)** certification has been renewed.

Your firm's certification is continuing from your anniversary date, but is contingent upon the firm verifying its eligibility annually through this office. You will be notified in advance of your obligation to continue eligibility in a timely fashion. However, the responsibility to assure continued certification is yours. Failure to document your firm's continued eligibility for the CBE program within **thirty (30) days** from your anniversary may result in the expiration of your firm's certification. Should you continue to be interested in certification after it has expired, you will need to submit a new application and all required supporting documentation for review.

To review current Broward County Government bid opportunities visit: www.broward.org/Purchasing and click on "Current Solicitations and Results." Also, from this website, you can log into your firm's profile in BidSync to ensure you have added all appropriate classification codes. Bid opportunities over \$3,500 will be advertised to vendors via e-mail and according to classification codes, so please ensure that both the Purchasing Division and OESBD are apprised of your current e-mail address.

Your primary certification group is: **Architecture/Engineering Services**. This is also how your listing in our directory will read. You may access your firm's listing by visiting the Office of Economic and Small Business Development Directory, located on the internet at: www.broward.org/EconDev and click on "Certified Firm Directories."

Your firm may compete for, and perform work on Broward County projects in the following areas:

NAICS CODE: 541330, 541340, 541350, 541990

We look forward to working with you to achieve greater opportunities for your business through county procurement.

Sincerely,

A handwritten signature in blue ink, appearing to read "Sandy-Michael McDonald", is written over a horizontal line.

Sandy-Michael McDonald, Director
Office of Economic and Small Business Development

Cert Agency: BC-CBE

ANNIVERSARY DATE: November 7th

Broward County Board of County Commissioners
Mark D. Bogen • Beam Furr • Steve Geller • Dale V.C. Holness • Chip LaMarca • Nan H. Rich • Tim Ryan • Barbara Sharief • Michael Udine
www.broward.org



LAKDA-1

OP ID: PR

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

02/26/2018

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


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PRODUCER Gulfstream Insurance Group Inc P.O. Box 8908 Fort Lauderdale, FL 33310-8908 Robert S. Sims	CONTACT NAME:	
	PHONE (A/C, No, Ext): 954-561-2220 FAX (A/C, No): 954-566-0673	
INSURED Lakdas/Yohalem Engineering Inc 2211 NE 54 Street Fort Lauderdale, FL 33308	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Covington Specialty	13027
	INSURER B : Bridgefield Casualty Insur. Co	
	INSURER C : First Community Ins Co	13990
	INSURER D :	
INSURER E :		
INSURER F :		

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			VBA58197800	11/20/2017	11/20/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
C	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			090005800257703	08/06/2017	08/06/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y / N <input checked="" type="checkbox"/> N / A		196-04653	01/01/2018	01/01/2019	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

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

CERTIFICATE HOLDER	CANCELLATION
MARGATE City of Margate Purchasing Division 5790 Margate Blvd. Margate,, FL 33063	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 

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ADDENDUM NO. 1

RFQ NO. 2018-009

WATER AND WASTEWATER GENERAL ENGINEERING SERVICES

February 22, 2018

TO ALL BIDDERS:

Please incorporate the following information/clarifications, changes, additions, and/or deletions into the specification packet for the above referenced project:

QUESTIONS AND CLARIFICATIONS:

1. There appears to be a bit of overlap under *Project Team* and *Personnel Assigned*. Can you please elaborate on the difference? Are you looking for resumes under *Personnel Assigned*?

ANSWER: Project Team refers to the firm or firms in the case of subconsultants. Personnel Assigned refers to the individuals at each firm that will be assigned to City projects. Resumes may be submitted under Personnel Assigned.

2. In regards to RFQ 2018-009 Water and Wastewater Engineering Services, is it acceptable to submit a bid proposal for only structural and civil engineering services?

ANSWER: This particular solicitation (RFQ 2018-009) is only for water and wastewater general engineering services. We do anticipate releasing a separate RFQ for civil engineering services in the near future. No definitive release date for that RFQ has been set, but it is planned for this fiscal year.

3. Regarding submittal requirements in section "Corporate Qualifications – Summarize relevant corporate experience that demonstrates specific knowledge of similar projects and services completed within the last five years in Florida. Provide a short description of the qualifications of specific people assigned to this project as they relate to the type of work to be performed. This narrative is in addition to Standard Form 330, Architect-Engineer Qualifications" Are we supposed to provide a full SF330 in this section plus the narrative required?

ANSWER: Provide only the narrative in this section. The SF330 is addressed separately.

4. Forms are supplied in the back of the RFQ but didn't specify it on the submission requirements. If it's required to be submitted, in what section do we incorporate it?

ANSWER: These forms are required to be submitted. They may be placed in the section just prior to the location that your insurance documentation is submitted.

5. Please confirm that graphics can be a font size smaller than 10-point as long as it's legible.

ANSWER: Yes, smaller than 10-point, yet legible is acceptable for graphics.

6. Do the contents (data) of the Standard Form 330 also have to meet the minimum font size of 10 point?

ANSWER: No, as long as the font on the form is legible.

7. For the "Personnel Assigned" section (page 3), the RFQ states: "Personnel proposed for the project, including all subconsultants, must be identified and their qualifications provided." In addition to Standard Form 330 Section E resumes, are full page resumes required to be included to demonstrate each staff member's qualifications?

ANSWER: No, as long as your firm feels that adequate information for these individuals has been submitted elsewhere in the submission.

8. Are copies of Certificates of Authorization (PE licenses) required to be included for each staff member or will copies of PE licenses for the firms only be sufficient?

ANSWER: The Certificates of Authorization are required for all proposed team members in the firm(s).

9. One of the evaluation categories is:

"Technical: Proposed approach and methodology; Understanding of the scope of work; and Management capabilities."

Does the City have a preference as to which section of the proposal we address this criteria, and is there a specific page limit for the response?

ANSWER: All technical information of this nature should be included in the Corporate Qualifications section.

10. Pages 2-3 of the RFQ, Section III. Submission Content: Please confirm that if a section does not state a specific page limitation, then there is no page limit for that section.

ANSWER: Correct. If no limitation is specified, no limitation is imposed.

11. Should Standard Form 330 be included in a separate tab?

ANSWER: Please include these forms in the Corporate Qualifications section.

12. For the proposal delivery address, should proposals be delivered to the Purchasing Division or Finance Department or are they one and the same department? Page 4 of the RFQ references the "Office of the Purchasing Division" in one paragraph and then the "Purchasing Division, Finance Department" in another.

ANSWER: The Purchasing Division is a section of the Finance Department. The more specific location for delivery of RFQ responses is office of the Purchasing Division, second floor, Margate City Hall, 5790 Margate Boulevard, Margate, FL 33063. If responses are hand delivered, please ask the downstairs receptionist for directions to the Purchasing Division.

13. Please provide the deadline to submit questions.

ANSWER: Seven days prior to the submission deadline for a formal solicitation is normal City policy as far as a time limit for questions. However, since that was not stipulated in the RFQ packet, questions received before 2:00 P.M. on Thursday, February 22, 2018 will be accepted and answered.

14. What is the preferable submittal method, since three ring binders are not allowed?

ANSWER: You may use any other form of binding (spiral bound, clasp type folder, plastic binder combs, etc.). The exclusion of three ring binders has to do with their bulkiness which makes them more difficult to store, distribute and handle.

15. We have a question about subconsultants for this project. It seems like this contract is on an on call, as needed basis, and therefore, the project subconsultants should be selected for each project rather than proposed now. Typically, clients select the prime consultant and not a project team for general services contracts and that would make sense for this one. We would appreciate clarification.

ANSWER: Since subconsultants are given consideration in the evaluation of the Project Team, it would be in the best interest of each firm responding to include information for any known subconsultants that will be part of the Project Team.

16. Is an appendix allowed to address the requirements for evaluation criteria 2, Technical: Proposed approach and methodology, Understanding of the scope of work Management Capabilities? If not, please advise in what section you would like this criteria addressed.

ANSWER: Please include this information in the Corporate Qualifications section rather than an appendix.

This addendum consists of four (4) pages.

There are no other changes at this time. The submission deadline remains February 27, 2017 at 11:00 A.M., local time.



Spencer Shambray, CPPB
Purchasing Manager
2/22/2018

Please sign and return the acknowledgment page of this addendum by email or by fax. The original acknowledgement page is to be included with your qualifications submission.

ACKNOWLEDGEMENT FORM

ADDENDUM NO. 1

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

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

Company Name: Craig A. Smith & Associates, Inc.


Address: 7777 Glades Road, Suite 410, Boca Raton, FL 33434

Name of Signer Gene R. Schriner, P.E.
(please print)

Signature:  Date: 02/26/2018

Telephone: 561-314-4445 Facsimile: 561-314-4458

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


Spencer Shambray, CPPB
Purchasing Manager
2/22/2018

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



CRAIG A. SMITH & ASSOCIATES

Consulting Engineers • Surveyors • Utility Locators • Grant Specialists

7777 Glades Road, Suite 410, Boca Raton, FL 33434

Tel: (561) 314-4445 • Fax: (561) 314-4457

www.craigasmith.com • casassoc@craigasmith.com

LETTER OF TRANSMITTAL

TO:	OFFICE OF THE PURCHASING DIVISION	DATE: 02/26/2018	JOB NO.: P3670
	CITY OF MARGATE, CITY HALL, SECOND FLOOR	ATTN: OFFICE OF THE PURCHASING DIVISION	
	5790 MARGATE BLVD	RE: REQUEST FOR QUALIFICATIONS	
	MARGATE FL 33063	RFQ 2018-009	

WE ARE SENDING YOU X ATTACHED _____ UNDER SEPARATE COVER VIA HAND DELIVERY

<input type="checkbox"/> Shop Drawings	<input type="checkbox"/> Specifications	<input type="checkbox"/> Plans	<input type="checkbox"/> Reports	<input type="checkbox"/> Prints
<input type="checkbox"/> Copy of Letter	<input type="checkbox"/> Change Order	<input checked="" type="checkbox"/> Other <u>SEE BELOW</u>		

COPIES	DATE	NO.	DESCRIPTION
1	02/26/2018	1	ORIGINAL – PROPOSAL IN RESPONSE TO RFQ 2018-009 FOR WATER AND WASTEWATER GENERAL ENGINEERING SERVICES
5	02/26/2018	2	COPIES – PROPOSAL IN RESPONSE TO RFQ 2018-009 FOR WATER AND WASTEWATER GENERAL ENGINEERING SERVICES

THESE ARE TRANSMITTED AS CHECKED BELOW:

<input type="checkbox"/> For approval	<input type="checkbox"/> Approved as submitted	<input type="checkbox"/> Resubmit ___ copies for approval
<input checked="" type="checkbox"/> For your use	<input type="checkbox"/> Approved as noted	<input type="checkbox"/> Submit ___ copies for distribution
<input type="checkbox"/> As requested	<input type="checkbox"/> Returned for corrections	<input type="checkbox"/> Return ___ corrected prints
<input type="checkbox"/> For review and comment		
<input checked="" type="checkbox"/> FOR BIDS DUE BY 11:00 AM, FEBRUARY 27, 2018		<input type="checkbox"/> PRINTS RETURNED AFTER LOAN

REMARKS:

SIGNED


GENE R. SCHRINER, P.E.
PRESIDENT

CC:

DATE: _____ RECEIVED BY: _____ TIME: _____