

**City of Key West
Request for Qualifications No. 14-004
Environmental Engineering Services
&
Coastal Engineering Services**

**STATEMENT OF QUALIFICATIONS
from**

The  Team

Sandra Walters Consultants, Inc.
Conestoga Rovers & Associates, Inc.
GLE Associates, Inc.
Hans Wilson & Associates, Inc.
Cummins Cederberg, Inc.
Island Surveying, Inc.





July 8, 2014

Sue Snider
Key West City Clerk
3126 Flagler Avenue
Key West, FL 33040

Subject: City of Key West RFQ #14-004: Environmental Engineering Services

Dear Ms. Snider:

It is with great pleasure that Sandra Walters Consultants, Inc., dba SWC, presents the enclosed response to the above-referenced RFQ, for environmental and coastal engineering services. SWC and its staff is experienced in these fields, having worked both directly for the City of Key West in several areas of the scope of services, and also for other clients. In addition, SWC has assembled a team of subconsultants that we believe is truly unmatched in regard to the qualifications required by the City for this contract. The SWC Team consists of:

- SWC, serving as prime consultant, with combined staff experience of more than 70 years in the scope of services, working from our Stock Island office;
- Conestoga-Rovers & Associates, Inc. (CRA), providing Environmental Engineering services with 37 years of company experience, working from their Wellington office;
- GLE Associates, Inc. (GLE), providing Environmental Engineering services with a focus on Industrial Hygiene and 25 years of company experience, working from their Ft. Lauderdale office;
- Hans Wilson & Associates, Inc. (HWA), providing Coastal Engineering services with 26 years of company experience, working from their Fort Myers office;
- Cummins Cederberg, Inc. (C-C), providing Coastal Engineering services, with combined staff experience of 30 years, working from their South Miami office; and
- Island Surveying, Inc. (IS), providing Coastal Engineering survey services, with 38 years company experience in the Florida Keys, working from their Key West office.

SWC has worked directly with all Team members on various projects, specifically including several contamination assignments in the Florida Keys with CRA and GLE, and the recently completed Tarpon Pier replacement Coastal project in Key West with HWA and IS. This close association ensures seamless cooperation and effective overall Team management during execution of assignments.

SWC's office, located less than five minutes from the City offices, will serve as the principle service center for this contract, ensuring almost immediate response to City requests. Team members not located in Key West will have dedicated work space in this office. Therefore, during execution of work assignments all SWC Team technical support staff and projects managers can be immediately available to the City.

The enclosed submittal demonstrates how thoroughly the SWC Team addresses the requirements of the City. In summary:

- The first divider provides full company profiles for all firms, and also includes business tax receipts for SWC and IS, as local firms. All subconsultants will also acquire local business tax receipts prior to SWC entering into contract with the City. These company profiles clearly present the outstanding



qualifications of all firms to assist the City with these services. Also included in this section are certificates of insurance from all Team members fully addressing the City insurance requirements.

- The second divider provides professional qualifications of the SWC Team personnel. This includes the proposed organizational chart for this contract which includes the percent availability of all staff, summary tables presenting the experience of the key personnel in all disciplines presented in the RFQ, and individual resumes and professional certifications that fully document the high caliber of staffing provided by the SWC Team.
- The third divider provides specific project descriptions of experience in the last five years. This includes summary tables that relate the descriptions of specific projects to the RFQ disciplines, and lists some additional highly-relevant experience documented in individual resumes that occurred longer than 5 years ago differentiated from the recent experience listings with a blue highlight.
- The fourth divider provides a detailed discussion of the SWC Team's contract and project management approach as well as Quality Assurance procedures for small, medium and large projects.
- Finally, the last divider includes the signed addendum and also provides executed affidavits from SWC as well as all Team members.

All key personnel and work examples have been specifically selected to illustrate expertise relevant to the kinds of issues that could arise in Key West in the Environmental and Coastal fields. To highlight a few:

- With the Tarpon Pier project, the combined capabilities of HWA as design engineer and construction administration; SWC conducting environmental assessments, agency coordination and coral relocation; both firms developing and successfully processing permit applications; and IS preparing project surveys resulted in a highly-successful completed Coastal project for the City.
- The recent closure of the Tarmac Batch Plant on Rockland Key by Mike Fisher with CRA demonstrates a clear understanding of Florida Keys geology and conditions for design and implementation of remediation plans.
- C-C has direct experience in beaches and beach re-nourishment, having recently completed a project in Broward County. Prior to five years ago the company principals conducted all engineering, design, and construction administration for the Fort Zachery Taylor beach restoration, including erosion control, demonstrating their full understanding of Key West coastal dynamics.
- GLE's key personnel are highly qualified in industrial hygiene, having provided extensive services for clients throughout South Florida regarding lead, asbestos, air quality, and many other parameters.

In conclusion, the SWC Team is very enthusiastic about this contract, and, as a local firm, SWC is pleased to have the opportunity to serve as prime consultant on this submittal. We are absolutely committed to providing the City with top-notch project execution and customer services. We hope you will honor us with an award of a contract for this solicitation, and thank you for the opportunity to submit this proposal.

Sincerely,



(Sandra Walters Consultants, Inc.)

A handwritten signature in blue ink that reads 'Sandra Walters'.

Sandra Walters, President

2014 FLORIDA PROFIT CORPORATION ANNUAL REPORT

DOCUMENT# P00000000847

Entity Name: SANDRA WALTERS CONSULTANTS, INC.

Current Principal Place of Business:

6410 FIFTH STREET
SUITE 3
KEY WEST, FL 33040

Current Mailing Address:

6410 FIFTH STREET
SUITE 3
KEY WEST, FL 33040 US

FEI Number: 65-0975585

Certificate of Status Desired: No

Name and Address of Current Registered Agent:

WALTERS, SANDRA
6410 FIFTH STREET
SUITE 3
KEY WEST, FL 33040 US

The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.

SIGNATURE:

Electronic Signature of Registered Agent

Date

Officer/Director Detail :

Title P
Name WALTERS, SANDRA
Address 6410 FIFTH STREET SUITE 3
City-State-Zip: KEY WEST FL 33040

I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am an officer or director of the corporation or the receiver or trustee empowered to execute this report as required by Chapter 607, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.

SIGNATURE: SANDRA WALTERS

PRESIDENT

02/18/2014

Electronic Signature of Signing Officer/Director Detail

Date



SWC TEAM OFFICE ADDRESSES & CONTACT INFORMATION

Sandra Walters Consultants, Inc. (SWC)

6410 5th Street, Suite 3
Key West, FL 33040
305-294-1238
Main contact: Sandy Walters, President
Email: sandy@swcinc.net

Conestoga-Rovers & Associates (CRA)

3380 Fairlane Farms Rd, Suite 12
Wellington, FL 33414
561-688-9008
Main contact: Mike Fisher, P.G.
Email: mfisher@CRAworld.com

GLE Associates, Inc. (GLE)

1000 NW 65th Street, Suite 100
Fort Lauderdale, FL 33309
954-968-6414
Main contact: John Simmons, Dir. of South Florida Operations
Email: jsimmons@gleassociates.com

Hans Wilson & Associates, Inc. (HWA)

1938 Hill Avenue
Fort Myers, FL 33901
239-334-6870
Main contact: Hans Wilson, President
Email: hans@hanswilson.com

Cummins Cederberg, Inc. (C-C)

7550 Red Road, Suite 217
South Miami, Florida 33143
305-741 6155
Main contact: Jannek Cederberg
Email: jcederberg@cumminscederberg.com

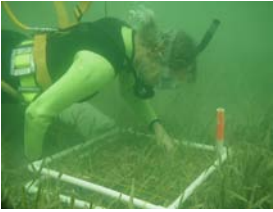
Island Surveying, Inc. (IS)

3150 Northside Drive, Suite 201
Key West, FL 33040
305-293-0466
Main contact: Fred Hildebrandt
Email: fred@islandsurveyinginckw.com

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KEY WEST MOORING FIELD SEAGRASS STUDY
Ecological/Environmental



KEY WEST ECONOMIC DEVELOPMENT CONVEYANCE APPLICATION
Planning & Land Use



BAHAMA VILLAGE REDEVELOPMENT PLAN UPDATE
Communications

COMPANY PROFILE



(Sandra Walters Consultants, Inc.) provides services in all areas of **ecological** and **environmental** consulting and **land use** and public facilities **planning** and **permitting**, including habitat assessments, wetland permitting and mitigation design, environmental impact statements, compliance monitoring, development agreements, and submerged land leases. SWC is also fully trained in utilization of State and federal wetland assessment methodologies.



has extensive experience working with agencies to develop project designs that minimize impacts and meet permitting requirements, and to bring clients into compliance with regulatory standards. The firm has conducted data collection and analysis, and written environmental and planning sections of **NEPA documents for FDOT, the FAA, the South Florida Water Management District, and U.S. Army Corps of Engineers**, and also provides construction environmental compliance monitoring services.



provides a range of services in **contamination assessment**, including conducting Phase I and II environmental site assessments, soil and groundwater testing and reporting, underground storage tank removals, and acquisition of No Further Action determinations from the Florida Department of Environmental Protection.



uses state-of-the-art **Geographic Information Systems (GIS) technology** to make accurate assessments of jurisdictional areas and facilitate graphic data presentation.

Many clients have benefited from **representation** by the firm with agencies and public officials at the local, state and federal level, and **expert witness** testimony in State of Florida administrative hearings and court proceedings.



is certified as a **disadvantaged business enterprise (DBE)** with the State of Florida, South Florida Water Management District (SBE), Florida Department of Transportation, Broward (also CBE), Dade (also SBE), Lee and Collier counties, and is a **woman-owned small business (WOSB)** with the US government.

The company is also very experienced at coordinating **communications**, including **public information and involvement** programs. **SWC** can provide plan development; community outreach and consensus building using various tools such as workshops, seminars and public meetings; and preparation and placement of advertisements. The firm has full multimedia capabilities for production of public presentations, websites, newsletters, news releases, and all support documents.

The principal of the firm, Sandra Walters, has more than 30 years professional experience. She presently serves on and is a former chair of the South Florida Regional Planning Council, appointed by governors Bush, and Crist and Scott; and served a four-year term as a Governor's appointee on Florida's Acquisition and Restoration Council, which oversees purchase and management of State conservation lands.

Representative Client List

Public Agencies

- U.S. Navy & U.S. Postal Service
- Florida Department of Environmental Protection
- Florida Department of Transportation
- South Florida Water Management District
- Broward County—Ft. Lauderdale International Airport & Port Everglades
- Town of Medley, Dade County, FL
- City of Naples, Collier County, FL
- City of Bonita Springs, Lee County, FL
- Monroe County
 - Board of County Commissioners, Attorney's Office & Key West & Marathon airports
- City of Marathon, General Services Contract
- City of Key West
 - General Engineering Services Contract
 - Utilities Dept, Eng. Services & Port Authority

Private Sector

- Aecom
- Arcadis
- URS Corporation Southern
- Reynolds, Smith & Hills, Inc.
- The Corradino Group
- Landrum & Brown
- CH₂MHill
- Atkins
- Amec
- TetraTech
- Hawk's Cay Resort & Village at Hawk's Cay, Inc.
- Key West Bar Pilots Association, Inc.
- Historic Tours of America
- Perez Engineering
- Hans Wilson & Associates, Inc.
- Many single-family home and dock owners

COMMITTED TO EXCELLENCE



OFFICES IN MONROE, DADE, BROWARD AND LEE COUNTIES, MAIN TEL: 305-294-1238, SWC@SWCINC.NET, WWW.SWCINC.NET
WBE • SBE • DBE • CBE • WOSB

CITY OF KEY WEST, FLORIDA

Business Tax Receipt

This Document is a business tax receipt
Holder must meet all City zoning and use provisions.
P.O. Box 1409, Key West, Florida 33040 (305) 809-3955

Business Name SANDRA WALTERS CONSULTANTS, IN CtlNbr:0007074
Location Addr 6410 5TH ST
Lic NBR/Class 14-00017879 SERVICE - GENERAL
Issue Date: September 19, 2013 Expiration Date: September 30, 2014
License Fee \$98.70
Add. Charges \$0.00
Penalty \$0.00
Total \$98.70

Comments: ENVIRONMENTAL LAND USE CONSULTANT

Oper: CWALKEK Type: OC Drawer: 1
Date: 9/24/13 56 Receipt no: 109850
2014 17879

OR LIC OCCUPATIONAL RENEWAL

This document must be prominently displayed. 1.00 \$98.70

OK CHECK 16145 \$98.70
SANDRA WALTERS CONSULTANTS, IN

Total payment \$98.70

SANDRA WALTERS CONSULTANTS, IN

6410 5TH ST STE 3

Trans date: 9/24/13 Time: 13:10:03

KEY WEST FL 33040

**2013 / 2014
MONROE COUNTY BUSINESS TAX RECEIPT
EXPIRES SEPTEMBER 30, 2014**

Business Name: SANDRA WALTERS CONSULTANTS INC RECEIPT# 47161-71254

Owner Name: SANDRA WALTERS Business Location: 6410 5TH ST 3
Mailing Address: KEY WEST, FL 33040
6410 5TH ST SUITE 3 Business Phone: 305-294-1238
KEY WEST, FL 33040 Business Type: MISCELLANEOUS SERVICE (ENVIRONMENTAL
& LAND USE CONS)

Employees 1

Tax Amount	Transfer Fee	Sub-Total	Penalty	Prior Years	Collection Cost	Total Paid
22.00	0.00	22.00	0.00	0.00	0.00	22.00

Paid 110-12-00003165 09/16/2013 22.00

THIS BECOMES A TAX RECEIPT
WHEN VALIDATED

Danise D. Henriquez, CFC, Tax Collector
PO Box 1129, Key West, FL 33041

THIS IS ONLY A TAX.
YOU MUST MEET ALL
COUNTY AND/OR
MUNICIPALITY PLANNING
AND ZONING REQUIREMENTS.

MONROE COUNTY BUSINESS TAX RECEIPT
P.O. Box 1129, Key West, FL 33041-1129
EXPIRES SEPTEMBER 30, 2014

Business Name: SANDRA WALTERS CONSULTANTS INC RECEIPT# 47161-71254

Owner Name: SANDRA WALTERS Business Location: 6410 5TH ST 3
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Employees 1

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22.00	0.00	22.00	0.00	0.00	0.00	22.00

Paid 110-12-00003165 09/16/2013 22.00



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
7/8/2014

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 Lassiter-Ware Insurance of Tampa Bay 4401 West Kennedy Blvd Suite 200 Tampa FL 33609	CONTACT NAME: Joan Randolph PHONE (A/C, No. Ext): (800)845-8437 FAX (A/C, No): (888)883-8680 E-MAIL ADDRESS: JoanR@lassiter-ware.com													
	<table border="1"> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A: Homeland Insurance Company of</td> <td>34452</td> </tr> <tr> <td>INSURER B: CastlePoint Florida Insurance</td> <td>13599</td> </tr> <tr> <td>INSURER C:</td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Homeland Insurance Company of	34452	INSURER B: CastlePoint Florida Insurance	13599	INSURER C:		INSURER D:		INSURER E:		INSURER F:
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INSURER F:														
INSURED Sandra Walters Consultants, Inc. 6410 5th Street Suite 3 Key West FL 33040														

COVERAGES **CERTIFICATE NUMBER:** 14-15 Cert **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> CONTRACTORS POLLUTION GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	X	Y	7930015370000	8/28/2013	8/28/2014	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
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS	X	Y	7930015370000	8/28/2013	8/28/2014	COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$		Y				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		N/A	WCC0038295	5/10/2014	5/10/2015	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <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
A	PROFESSIONAL LIAB LIMITS INCL WITH GENERAL LIAB			7930015370000 CLAIMS MADE	8/28/2013	8/28/2014	EACH CLAIM \$1,000,000 AGGREGATE \$2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
RE: RFQ #14-004. The City of Key West, Florida, all departments, agencies, boards, contractor and commissions, its officers, its agents, servants, representatives, employees, and affiliates are additional insureds under the terms and conditions of the General/Auto Liability policy respect to work performed including Products/Completed Operations by the named insured as required by written contract. The General Liability is primary and non-contributory when required by written contract. The General/Auto Liability & Workers Compensation policies contain a Waiver of Subrogation in favor of the additional insureds providing the contract is executed prior to any loss as required by written contract. The terms

CERTIFICATE HOLDER City of Key West 1340 Flagler Ave. Key West, FL 33040	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 P Schmaltz/JOANR 
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COMMENTS/REMARKS

& conditions of the General/Auto Liability policy include an endorsement providing a 30 day Notice of Cancellation by the carrier to the certificate holder as required by written contract.

BACKGROUND. Rare Earth Sciences, Inc. d/b/a HSA Engineers & Scientists merged its operations with **Conestoga-Rovers & Associates, Inc. in October 2013.** For the past 12 years, HSA was a member of the CRA Family of Companies. The CRA Family of Companies is comprised of nearly 3,000 individuals, located throughout North America, with 64 offices in the United States. CRA is a worldwide leader in providing full-service engineering, environmental, construction, and IT services.

MISSION STATEMENT. Our mission statement recognizes those who have contributed to our accomplishments of the past and share our goals for the future. We will meet or exceed the expectations of our clients by providing quality services in a responsive, safe, and cost-effective manner. We strive for "Client Responsiveness Always."

ENVIRONMENTAL ENGINEERING EXPERIENCE. For the past 37 years nationally and 20 years in Florida, CRA has been engaged in providing turnkey site assessment, remedial design, construction, and operations experience.

CRA maintains a broad range of local personnel and resources to successfully perform all environmental-related services and tasks as outlined within this request for qualifications. CRA's qualifications and capabilities for providing superior quality and cost effective services are well known throughout Florida. We possess a thorough understanding of county, state, and federal environmental regulations governing assessment, corrective action, and permitting issues. Our 20 years of experience in the Florida Keys, particularly in the City of Key West, has resulted in direct knowledge of the community, the habitat, and the means of providing effective environmental engineering services in such a unique setting.

CRA has intimate experience with a broad range of environmental engineering design and consulting services including Phase I/II Environmental Site Assessments, solid waste management, restoration and remediation of contaminated soils and groundwater, water resources, collection of field data, assessment, environmental compliance audits, monitoring and assessments of underground and above ground storage tanks, hazardous waste management, assessment, and cleanup, and Spill Prevention, Control and Countermeasure (SPCC) Plans.

CRA's staff have successfully completed **more than 5,000 Phase I ESAs** at various locations throughout the United States. Moreover, CRA has undertaken a large number of ESAs with extremely aggressive implementation and reporting requirements. Through this work, CRA has gained a great deal of practical knowledge in environmental issues related to virtually every business sector.

CRA is a licensed general contractor, full-service construction company, specializing in petroleum storage system installations/removals, remedial system implementation, source removal, facility decommissioning, demolition, stormwater improvements, and wetland restoration. As a licensed **Pollutant Storage System Specialty Contractor (PSSSC)**, CRA has conducted **over 100 storage tank closure assessments** throughout Florida.

CRA has performed **site assessments at over 500 drycleaning facilities** and has successfully remediated sites impacted by chlorinated solvents at locations throughout Florida using a variety of innovative remedial methods. CRA has over 20 sites that are currently either in the assessment or remediation phase, and has obtained regulatory closure at ten sites, with closure at six of those sites being obtained through active remedial measures. **CRA has completed more than 400 SAs at petroleum storage facilities in Florida.** For many sites, completion of a Site Characterization Screening (SCS) assisted in prioritizing cleanup activities reducing the time to cleanup. Over the past year, CRA successful completed over 25 SCS investigations.

ORGANIZATIONAL STRUCTURE. CRA's seamless organizational structure enables us to offer the expertise of personnel in any office to any project, regardless of location. CRA's staff is distributed amongst five offices which are

CRA FACTS	
Founded in:	1976
Licensed:	Engineering (FL-9931) Geological (GB-711)
Number of Offices:	5 Florida offices
Staffing Capabilities:	over 3,000
Number of Years FDEP Hazardous Waste Contractor:	16
Names the Respondent has operated during the past 5 years:	Conestoga-Rovers & Associates, Inc. Rare Earth Sciences, Inc. d/b/a HSA Engineers & Scientists

located in Florida (Tampa: 145 staff members, Fort Myers: 28 staff members, Orlando: 13 staff members, West Palm Beach: 26 staff members, and Pensacola: 7 staff members).

REPUTATION. CRA routinely provides comprehensive environmental services to several local municipalities and government organizations including Florida Department of Environmental Protection (FDEP), Orlando Utilities Commission, Brevard County School Board, School Board of Palm Beach, Hillsborough County, City of Tampa, City of St. Petersburg, City of Fort Myers, City of Fort Lauderdale, Lee County, Sarasota County, Pinellas Suncoast Transit Authority, Broward County, Town of Palm Beach, the Seminole Tribe of Florida, and Tampa Bay Water; and prepares deliverables for State and local regulatory rapport.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

07/07/2014

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 Program Brokerage Corporation 225 Metro Centre Boulevard Warwick, RI 02886	CONTACT NAME: Tara Brown- 416-597-0555 ext. 467 PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS: Tara.Brown@hubinternational.com													
	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A :Chartis Specialty Insurance Company</td> <td>26883</td> </tr> <tr> <td>INSURER B :</td> <td></td> </tr> <tr> <td>INSURER C :</td> <td></td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A :Chartis Specialty Insurance Company	26883	INSURER B :		INSURER C :		INSURER D :		INSURER E :		INSURER F :
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INSURER B :														
INSURER C :														
INSURER D :														
INSURER E :														
INSURER F :														
INSURED Conestoga-Rovers & Associates, Inc. 2055 Niagara Falls Blvd., Suite 3 Niagara Falls, NY 14304														

COVERAGES **CERTIFICATE NUMBER:**D9DB6VLN **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY <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			12380282 LIMITS IN USD	09/30/2013	09/30/2014	EACH OCCURRENCE	\$ 2,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 1,000,000
							MED EXP (Any one person)	\$ 25,000
							PERSONAL & ADV INJURY	\$ 2,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
								\$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident)	\$
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE	\$
							AGGREGATE	\$
								\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N <input checked="" type="checkbox"/> N/A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						WC STATUTORY LIMITS	OTHER
							E.L. EACH ACCIDENT	\$
							E.L. DISEASE - EA EMPLOYEE	\$
							E.L. DISEASE - POLICY LIMIT	\$
A	Pollution/Professional Liability			12456483 LIMITS IN USD	09/30/2013	09/30/2014	Each Claim	\$ 25,000,000
							Aggregate	\$ 25,000,000
							Cov A - Prof (Claims Made)	\$
							Cov B - Poll (Occurrence)	\$
								\$


DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 The City of Key West, all Departments, Agencies, Boards, Contractors and Commissions, its officers, agents, servants and employees, is added as additional insured(s) with respect to the general liability policy, but only with respect to liability arising out of the operations performed by Conestoga-Rovers & Associates, Inc. for RFQ Environmental Engineering / ITB 14-004 - CRA Ref No. 092363.

CERTIFICATE HOLDER

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

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 



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
7/7/2014

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 First Niagara Risk Management, Inc 726 Exchange Street Suite 900 Buffalo NY 14210	CONTACT NAME: Andrew Frano	
	PHONE (A/C, No, Ext): (716)819-5500	FAX (A/C, No): (716)819-5140
E-MAIL ADDRESS: andrew.frano@fnrm.com		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: Natl Union Fire Ins Co of PA		19445
INSURER B: New Hampshire Insurance Company		28341
INSURER C:		
INSURER D:		
INSURER E:		
INSURER F:		

COVERAGES CERTIFICATE NUMBER:14-15 REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
A	AUTOMOBILE LIABILITY <input checked="" 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3500636 \$250 Ded Coll;\$250 Comp	7/1/2014	7/1/2015	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Hired Phys Damage Max Limit \$ 100,000
	UMBRELLA LIAB EXCESS LIAB DED 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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	018962465 (AOS) 018962466 (CA)	7/1/2014 7/1/2014	7/1/2015 7/1/2015	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <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 (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
RE: Re: RFQ Environmental Engineering / ITB 14-004 - CRA Ref No. 092363.
The City of Key West, all Departments, Agencies, Boards, Contractors and Commissions, its officers, agents, servants and employees, is added as Additional Insured(s) to the Automobile Liability Policy, but only with respect to liability arising out of the operations of the Named Insured.

CERTIFICATE HOLDER City of Key West 3126 Flagler Avenue Key West, FL 33040	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 M Bonetto/AFRANO 

GLE Associates, Inc. (GLE) specializes in providing environmental, architectural, engineering and construction consulting services to both private and public sectors. Our staff consists of nearly 60 multi-disciplined professionals. We have worked on many complex issues for various property types.

Since our inception in 1989, we have steadily grown to a national prominence. We provide innovative solutions in a timely and cost-effective manner. There is no better advertising than our work. Eighty percent of GLE's work has been earned from repeat business.

GLE is one of the nation's largest property consulting firms. We offer various services backed by a highly accredited staff. Choose GLE and enjoy a multi-disciplinary approach.

ARCHITECTURE SITE DESIGN SERVICES

Architecture

Master planning

Land planning

Space planning

LEED consulting

Adaptive reuse

MEP ENGINEERING SERVICES

Mechanical engineering

Electrical engineering

Plumbing engineering

Fire protection

CIVIL ENGINEERING SERVICES

Permitting, zoning, variances, land use modifications, DRI's

Real estate acquisition/feasibility studies/due diligence/site selection

Eminent domain, engineering/estimating

Site plans & land planning

Roadways & streets

Storm water, water & wastewater

Environmental engineering & permitting

Construction engineering and inspections

BUILDING ASSESSMENT SERVICES

Property condition assessments

ADA surveys

Roof consulting

Forensic A&E

CONSTRUCTION MANAGEMENT SERVICES

Owner's representative services

Plan and cost reviews
Construction inspections
Construction funds control
Program management
Construction management for a fee

ENVIRONMENTAL SERVICES

BUILDING SCIENCES AND REMEDIATION SERVICES:

Facility surveys and inspections
Laboratory analyses
Operations and maintenance plans
Risk management/hazard assessment
Training
Abatement design and project management
Turnkey abatement

SITE ENVIRONMENTAL ASSESSMENT AND REMEDATION SERVICES:

Phase I/II environmental site assessments
Contamination assessments
Environmental engineering
Remediation design
Turnkey remediation and construction
Operations and maintenance

OCCUPATIONAL HEALTH SAFETY SERVICES

Industrial hygiene
OSHA compliance
Health and safety training

CATASTROPHE INSURANCE SERVICES

Cause and origin investigations
Wind and water loss evaluations
Fire damage and loss assessments



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
7/7/2014

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 Lassiter-Ware Insurance of Tampa Bay 4401 West Kennedy Blvd Suite 200 Tampa FL 33609		CONTACT NAME: PHONE (A/C No. Ext): (800)845-8437 FAX (A/C No.): (888)883-8680 E-MAIL ADDRESS:																						
INSURED GLE Associates, Inc. 4300 West Cypress Street Suite 400 Tampa FL 33607		<table border="1"> <thead> <tr> <th colspan="2">INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A</td> <td>Admiral Insurance Company</td> <td>24856</td> </tr> <tr> <td>INSURER B</td> <td>Travelers Indemnity Company</td> <td>25658</td> </tr> <tr> <td>INSURER C</td> <td>Phoenix Insurance Company</td> <td>25623</td> </tr> <tr> <td>INSURER D:</td> <td></td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A	Admiral Insurance Company	24856	INSURER B	Travelers Indemnity Company	25658	INSURER C	Phoenix Insurance Company	25623	INSURER D:			INSURER E:			INSURER F:		
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INSURER D:																								
INSURER E:																								
INSURER F:																								

COVERAGES

CERTIFICATE NUMBER:13-14 Cert

REVISION NUMBER:


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

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY			FEIECC1184901	12/31/2013	12/31/2014	EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person) \$ 5,000
	<input checked="" type="checkbox"/> CONTRACTORS POLLUTION LIABILITY						PERSONAL & ADV INJURY \$ 1,000,000
GEN'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE \$ 2,000,000
<input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC							PRODUCTS - COMP/OP AGG \$ 2,000,000
B	AUTOMOBILE LIABILITY			BA583M741013GRP	12/31/2013	12/31/2014	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS	<input type="checkbox"/> SCHEDULED AUTOS					BODILY INJURY (Per accident) \$
	<input checked="" type="checkbox"/> HIRED AUTOS	<input checked="" type="checkbox"/> NON-OWNED AUTOS					PROPERTY DAMAGE (Per accident) \$
							PIP-Basic \$
A	UMBRELLA LIAB		<input checked="" type="checkbox"/> OCCUR	FEIEXS1185001	12/31/2013	12/31/2014	EACH OCCURRENCE \$ 5,000,000
	<input checked="" type="checkbox"/> EXCESS LIAB		<input type="checkbox"/> CLAIMS-MADE				AGGREGATE \$ 5,000,000
	DED <input checked="" type="checkbox"/>	RETENTION \$ 0					
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			XNUB3628T63513	12/31/2013	12/31/2014	<input checked="" type="checkbox"/> WC STATUTORY LIMITS
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input type="checkbox"/> Y/N	N/A				E.L. EACH ACCIDENT \$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
							E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	PROFESSIONAL LIAB LIMITS			FEIECC1184901	12/31/2013	12/31/2014	EACH CLAIM \$1,000,000
	INCL WITH GENERAL LIAB						CLAIMS MADE FORM

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
City of Key West, Florida, all departments, agencies, boards, contractor and commissions, its officers, its agents, servants, representatives, employees, and affiliates are additional insureds under the terms and conditions of the General Liability & Auto Liability policies with respect to work performed by the named insured as required by written contract. The General Liability is primary and non-contributory when required by written contract. The General Liability, Auto Liability & Workers Compensation policies contain a Waiver of Subrogation in favor of the additional insureds providing the contract is executed prior to any loss as required by written contract. The terms & conditions of the General Liability policy

CERTIFICATE HOLDER

CANCELLATION

City of Key West, Florida 3126 Flagler Avenue Key West, FL 33040	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 P Schmaltz/JOANR 
--	---

COMMENTS/REMARKS

include an endorsement providing a 30 day Notice of Cancellation by the carrier to the certificate holder as required by written contract.

POLICY NUMBER: BA-583M7410-13-GRP

EFFECTIVE DATE: 12-31-13

ISSUE DATE: 11-05-13

LISTING OF FORMS, ENDORSEMENTS AND SCHEDULE NUMBERS

THIS LISTING SHOWS THE NUMBER OF FORMS, SCHEDULES AND ENDORSEMENTS BY LINE OF BUSINESS.

IL T0 02 11 89	COMMON POLICY DECLARATIONS
IL T8 01 10 93	FORMS, ENDORSEMENTS AND SCHEDULE NUMBERS
CA F1 53 05 11	COMMON POLICY CONDITIONS - FLORIDA

COMMERCIAL AUTOMOBILE

CA T0 01 02 07	BUSINESS AUTO COV PART ITEMS 1, 2
CA T0 02 11 06	BUSINESS AUTO COV PART DEC- ITEM 3
CA T0 03 02 07	BUSINESS AUTO COV PART ITEMS 4, 5
CA T0 30 11 06	BUSINESS AUTO/TRUCK COV PART-SUPPL SCHD
CA T0 31 11 07	TABLE OF CONTENTS-BUSINESS AUTO COV FORM
CA 00 01 03 06	BUSINESS AUTO POLICY
CA T4 00 01 04	AMENDATORY ENDORSEMENT
CA 01 28 03 09	FLORIDA CHANGES
CA 21 72 10 09	FL UM MOTORIST COVERAGE - NONSTACKED
CA 22 10 01 13	FLORIDA PERSONAL INJURY PROTECTION
CA 99 03 03 06	AUTO MED PAY COVERAGE
CA T3 40 08 08	BLANKET WAIVER OF SUBROGATION
CA T4 37 08 08	BLANKET ADDITIONAL INSURED
CA 02 67 11 12	FL CHANGES - CANCELLATION AND NONRENEWAL
CA T3 04 01 87	AMENDED TITLE-AUTO COVERAGE PARTS
PN CB 00 07 12	PHN AND ENDT-USE OF MEDICAL FEE SCH-PIP

INTERLINE ENDORSEMENTS

IL 00 21 09 08	NUCLEAR ENERGY LIAB EXCL END-BROAD FORM
IL T0 10 12 86	LENDERS CERTIFICATE OF INSURANCE-FORM A

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET WAIVER OF SUBROGATION

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM
GARAGE COVERAGE FORM
MOTOR CARRIER COVERAGE FORM
TRUCKERS COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

Paragraph 5. **Transfer of Rights Of Recovery Against Others To Us** of the CONDITIONS section is replaced by the following:

5. Transfer Of Rights Of Recovery Against Others To Us

We waive any right of recovery we may have against any person or organization to the extent

required of you by a written contract executed prior to any "accident" or "loss", provided that the "accident" or "loss" arises out of the operations contemplated by such contract. The waiver applies only to the person or organization designated in such contract.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED

This endorsement modifies insurance provided under the following:

**BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM
TRUCKERS COVERAGE FORM**

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

The following is added to the **Section II – Liability Coverage, Paragraph A.1. Who Is An Insured Provision**:

Any person or organization that you are required to include as additional insured on the Coverage Form in

a written contract or agreement that is signed and executed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period is an "insured" for Liability Coverage, but only for damages to which this insurance applies and only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in Section II.



Additional Insured – Owners, Lessees or Contractors – Scheduled Person or Organization

This endorsement, effective 12/31/2013, attaches to and forms a part of Policy Number
FEI-ECC-11849-00. This endorsement changes the Policy. Please read it carefully.

In consideration of an additional premium of \$Applied, this endorsement modifies insurance provided
under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location(s) Of Covered Operations
Any person(s) or organization(s) whom the Named Insured agrees, in a written contract, to name as an additional insured. However, this status exists only for the project specified in that contract.	Those project locations where this endorsement is required by contract.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

- A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:
1. Your acts or omissions; or
 2. The acts or omissions of those acting on your behalf;
in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.
- B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:
This insurance does not apply to "bodily injury" or "property damage" occurring after:
1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
 2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.



Additional Insured – Owners, Lessees or Contractors – Completed Operations

This endorsement, effective 12/31/2013 attaches to and forms a part of Policy Number FEI-ECC-11849-00. This endorsement changes the Policy. Please read it carefully.

In consideration of an additional premium of \$Applied, this endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location And Description Of Completed Operations
Any person(s) or organization(s) whom the Named Insured agrees, in a written contract, to name as an additional insured. However, this status exists only for the project specified in that contract.	Those project locations where this endorsement is required by contract.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".



Automatic Waiver of Subrogation Endorsement

This endorsement, effective 12/31/2013 attaches to and forms a part of Policy Number FEI-ECC-11849-00. This endorsement changes the Policy. Please read it carefully.

This endorsement modifies insurance provided under the following:

**COMMERCIAL GENERAL LIABILITY COVERAGE PART
CONTRACTORS POLLUTION LIABILITY COVERAGE PART**

SCHEDULE

Name of Person or Organization:

Any person(s) or organization(s) to whom the *Named Insured* agrees, in a written contract, to provide a waiver of subrogation. However, this status exists only for the project specified in that contract.

The Company waives any right of recovery it may have against the person or organization shown in the above Schedule because of payments the Company makes for injury or damage arising out of the *insured's* work done under a contract with that person or organization. The waiver applies only to the person or organization in the above Schedule.

Under no circumstances shall this endorsement act to extend the policy period, change the scope of coverage or increase the Aggregate Limits of Insurance shown in the Declarations.



Automatic Primary and Non-Contributory Insurance Endorsement Designated Work Or Project(s)

This endorsement, effective 12/31/2013 attaches to and forms a part of Policy Number FEI-ECC-11849-00. This endorsement changes the Policy. Please read it carefully.

SCHEDULE

Name of Person or Organization:

Any person(s) or organization(s) whom the *Named Insured* agrees, in a written contract, to provide Primary and/or Non-contributory status of this insurance. However, this status exists only for the project specified in that contract.

In consideration of an additional premium of \$Applied and notwithstanding anything contained in this policy to the contrary, it is hereby agreed that this policy shall be considered primary to any similar insurance held by third parties in respect to work performed by you under any written contractual agreement with such third party. It is further agreed that any other insurance which the person(s) or organization(s) named in the schedule may have is excess and non-contributory to this insurance.

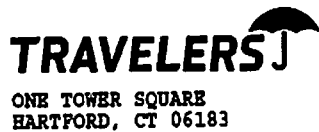


Amendment of Cancellation Notice Endorsement

This endorsement, effective 12/31/2013 attaches to and forms a part of Policy Number FEI-ECC-11849-01. This endorsement changes the Policy. Please read it carefully.

In consideration of an additional premium of \$Applied, and notwithstanding the appropriate provision of this policy, in the event cancellation of this policy is instigated by the Company for any reason except nonpayment of premium, the Company will provide 30 days advance notice of such cancellation to the following:

“Any person(s) or organization(s) whom the Named Insured agrees, in a written contract, to advance notice of such cancellation”



**WORKERS COMPENSATION
AND
EMPLOYERS LIABILITY POLICY**

ENDORSEMENT WC 00 03 13 (00)-01

POLICY NUMBER: (XNUB-3628T63-5-13)

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit any one not named in the Schedule.

SCHEDULE

DESIGNATED PERSON:

DESIGNATED ORGANIZATION:

**ANY PERSON OR ORGANIZATION FOR WHICH THE INSURED HAS AGREED
BY WRITTEN CONTRACT EXECUTED PRIOR TO LOSS TO FURNISH THIS
WAIVER.**

DATE OF ISSUE: 11-05-13

ST ASSIGN:

COMPANY PROFILE

Hans Wilson & Associates, Inc. (HWA) is an Environmental Consulting and Marine Engineering firm formed in 2000 to focus on the specific environmental and waterfront needs of their clients. HWA is located at 1938 Hill Avenue in Fort Myers and services the west coast of Florida extending into the Florida Keys. The HWA Vision statement is *“to provide quality, cost effective consulting and engineering design services, balancing the impact of human development in the environment.”*

The HWA tenets of operation are Knowledge, Quality, and Service. HWA strives to be the most knowledgeable in their field of expertise. Quality in graphical representations, report writing, engineering evaluations, and attention to detail are important in satisfying the clients' needs. Finally service in the form of efficient and timely communications with the client, the regulatory agencies, affiliates, and sub-consultants are paramount to the delivery of the project and continuation of services with our clients.

To fulfill the vision statement and tenets of operation, HWA has developed a team of multi-talented individuals with unique expertise in areas of planning, engineering and resource management design, regulatory permitting, and construction administration. Consulting talents within the corporate framework include ocean engineers from Florida Atlantic University, a natural resource scientist, a civil engineer, a paralegal that specializes in permit management, an industrial engineer, as well as a marine construction specialist with a strong background in civil engineering and surveying projects.

HWA works within the private and public sector on a variety of upland and waterfront projects, incorporating creative design with extensive knowledge of the regulatory process. The principal focus of the organization has been commercial and recreational waterfront facilities; marina design and renovation; shoreline stabilization and dune construction; dredging and channel restoration. HWA has also consulted on public park planning, development and expansion; environmental and hydraulic studies, and mitigation development and construction.

HWA is a small business enterprise that takes pride in maximizing efficiency and maintaining the highest standards in all areas of business. HWA carries the requisite general and professional liability insurances for all operations, including USL&H (Longshore Harborworkers Compensation Act Insurance) covering work conducted over the water, for which Workers Compensation does not apply. This insurance alone can identify those consulting firms properly committed to working on, and around, the water.

HWA also has strong working relationships with a number of affiliate firms that complement HWA, providing cost effective consulting to HWA clients on a project specific basis. We have the pleasure of teaming, once again, SWC to handle the coastal engineering and marine related construction design services associated with the overall scope of work.

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).

Table with columns for PRODUCER, CONTACT NAME, PHONE, FAX, E-MAIL ADDRESS, INSURER(S) AFFORDING COVERAGE, and NAIC #. Includes details for BB&T-Oswald Trippe and Company and various insurers like Hartford Casualty Insurance Com, Granite State Insurance Company, etc.

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.

Main table with columns: INSR LTR, TYPE OF INSURANCE, ADDL INSR, SUBR WVD, POLICY NUMBER, POLICY EFF (MM/DD/YYYY), POLICY EXP (MM/DD/YYYY), LIMITS. Rows include General Liability, Automobile Liability, Umbrella Liab, Workers Compensation, Professional, and Marine Emp Liab.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
** General Liability Information **
Professional Liability Limit #1: 1,000,000 Ded.#1: \$20,000.00
Ded.#1 Type: Other Limit #2: 2,000,000 Coverage Eff Date: 07/01/2000
Limit1 Desc Code: Occurrence Limit2 Desc Code: Aggregate
(See Attached Descriptions)

Table with columns: CERTIFICATE HOLDER and CANCELLATION. Certificate holder: City of Key West, 3126 Flagler Avenue, Key West, FL 33040. Cancellation text: SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

DESCRIPTIONS (Continued from Page 1)

Engineer;Partnership;Gross Billings: 8 \$1,000,000 Each Claim, \$2,000,000
Aggregate \$20,000 ded

MARITIME-EMPLOYERS LIABILITY POLICY F08M1M263357313 Coverage limit \$1,000,000 any one accident or illness;
deductible \$5,000 any one accident or illness BUT \$25,000 in respect to Diving Operations

**** Supplemental Name ****

First Supplemental Name applies to all policies - HAN WILSON & ASSOCIATES INC.

The City of Key West, all Departments, Agencies, Boards, Contractors and Commissions, its officers,
agents, servants and employees are additional insured as respects liability arising out of activities
performed by or on behalf of Hans Wilson & Associates, Inc. as per written contract per blanket additional
insured form SS00080405.

Cummins | Cederberg was founded by Mr. Jason Cummins and Mr. Jannek Cederberg. The two principals have extensive experience in coastal and marine engineering in South Florida, as well as throughout Latin America, and the Caribbean, from both private and public clients. The Principals have experience from initial field investigations such as bathymetric surveying, soil borings, current and wave measurements through detailed analyses utilizing complex computer models and subsequent design of coastal structures, marinas and ports. In addition, they have significant experience in contract negotiations and construction administration. This unique combination of skills allows them to approach projects holistically with an exceptional understanding of overall construction cost and interaction of individual components.

Construction in the coastal and marine environment involves insight into many disciplines and Cummins | Cederberg brings a collection of qualifications and experience rivaled by few companies. Clients work directly with the experienced principals, who dedicate themselves to providing a superior level of quality, responsiveness and flexibility. As a result of varying educational and cultural backgrounds, Cummins | Cederberg brings a complete understanding of US and international coastal and marine engineering trends. As a testament of the quality delivered and Client satisfaction, Cummins Cederberg has repeatedly become an integral and valuable asset to project teams for both local and high profile international projects.

Mr. Cederberg has extensive experience in designing and planning coastal development projects with an emphasis on achieving a waterfront experience characterized by a strong connectivity between the water and upland environment. Mr. Cederberg is originally from Denmark and earned his Master's degree in coastal engineering from the Technical University of Denmark. Prior to relocating to South Florida, he worked in Denmark for two large international consulting firms in their respective coastal and marine engineering departments. Prior to founding Cummins | Cederberg, Mr. Cederberg served as Head of the Engineering Department for a medium sized engineering firm.

Mr. Cederberg was recently selected to participate in two expert groups for PIANC (a more than 100-year old international coastal and marine engineering organization) related to marina design, Working Group 134 – “Design and Operational Guidelines for Superyacht Facilities” and Working Group 149 – “Guidelines for Marina Design”. Mr. Cederberg is a registered Professional Engineer.

Mr. Cummins is a registered Professional Engineer with experience ranging from inception to construction, including: field investigations, feasibility studies, comprehensive coastal engineering analyses, numerical modeling, engineering design, construction drawings, technical specifications and construction oversight.

Mr. Cummins, a native Floridian, was raised along the waters of Southeast Florida and is intimately familiar with the coastal and marine environments. He earned his Bachelor's and Master's degrees in civil and coastal engineering from University of Florida and has been practicing in South Florida since. Prior to founding Cummins | Cederberg, Mr. Cummins served as Manager of the Coastal and Marine Engineering Group in a medium size engineering firm.



Affiliations:

- Florida Board of Professional Engineers
- American Society of Civil Engineers
- Urban Land Institute
- PIANC
- Danish Society of Hydraulic Engineers
- American Institute of Architects
- Florida Association of Environmental Professional



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
7/07/2014

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 USI Insurance Services, LLC, 1715 N. Westshore Blvd. Suite 700 Tampa, FL 33607	CONTACT NAME: PHONE (A/C, No, Ext): 813 321-7500		FAX (A/C, No): 813 321-7525
	E-MAIL ADDRESS:		
INSURED Cummins Cederberg, Inc. 7550 Red Road, Suite 217 South Miami, FL 33143	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A : Hartford Casualty Insurance Com		29424
	INSURER B : Travelers Casualty and Surety C		31194
	INSURER C : XL Specialty Insurance Company		37885
	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 INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY	X	X	21SBMZJ8617	04/25/2014	04/25/2015	EACH OCCURRENCE	\$1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$300,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$10,000
							PERSONAL & ADV INJURY	\$1,000,000
							GENERAL AGGREGATE	\$2,000,000
							PRODUCTS - COMP/OP AGG	\$2,000,000
GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC							\$	
A	AUTOMOBILE LIABILITY	X	X	21SBMZJ8617	04/25/2014	04/25/2015	COMBINED SINGLE LIMIT (Ea accident)	\$1,000,000
	<input type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$
	<input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS						BODILY INJURY (Per accident)	\$
	<input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	\$
	UMBRELLA LIAB						EACH OCCURRENCE	\$
	EXCESS LIAB						AGGREGATE	\$
DED <input type="checkbox"/> RETENTION \$ <input type="checkbox"/>							\$	
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			UB3714T783	09/26/2013	09/26/2014	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A				E.L. EACH ACCIDENT	\$1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$1,000,000
							E.L. DISEASE - POLICY LIMIT	\$1,000,000
C	Professional Liability			DPR9715700	03/30/2014	03/30/2015	\$2,000,000 per claim \$2,000,000 annl aggr.	

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

Professional Liability coverage is written on a claims-made basis.
The City of Key West, all Departments, Agencies, Boards, Contractors and Commissions, its officers, agents, servants and employees are additional insureds as respects the General Liability and Auto Liability policy arising out of activities performed by or on behalf of Cummins Cederberg as required by written contract.

CERTIFICATE HOLDER

CANCELLATION

THE CITY OF KEY WEST
1340 Flagler Ave.
Key West, FL 33040

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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Island Surveying, Inc. Company Profile

Island Surveying Inc. is a Key West/Monroe County-based, veteran owned, surveying and engineering firm which has been in business since August 1983. The firm's principal, Frederick H. Hildebrandt has been a registered Land Surveyor since 1976 and a registered Professional Engineer since 1986. Fred Hildebrandt has surveyed in many counties in Florida, and also in the states of Rhode Island, New Jersey, Connecticut, and Massachusetts. He also surveyed in Asia, Africa and the Caribbean. The company maintains well over 10,000 past surveys.

The firm is the oldest in Monroe County. Its principal, Fred Hildebrandt, is also the only registered surveyor and engineer in the County. Mr. Hildebrandt has been surveying in Key West since 1975. As a surveyor for Carr Smith and Assoc., the company's first project was surveying and engineering for the renovation of Duval Street. F.H. Hildebrandt was established in August 1983, and replaced Carr Smith at that time. F.H. Hildebrandt's main office was in Miami with a branch office in Key West. In October 1992, Mr. Hildebrandt moved to Key West and also relocated his main and only office. Island Surveying has since been at its current site.

Island Surveying's philosophy has always been to provide fully-professional services to all our clients and has, therefore, had many clients! Since we are involved in the Real Estate and Construction Market, there have been many ups and downs. Also this gave us a broad spectrum of many types of surveying.

Our firm has done extensive work with the United States Navy (Island Surveying has surveyed all of the bases), Monroe County School Board (we surveyed most of the schools), the City of Key West (submerged Land Leases, Elevation Certificates, sewerage, right-of-way surveys, Flagler Ave., Nichols Ave.), beach replenishment, Singh Properties, Old Town Development and others.

Island Surveying has kept up with the rapid change of technology in surveying and engineering. Our computers are updated every few years. We recently purchased i7 processor computers. Also we updated out autocad software to Autodesk infrastructure design suite premium 2013. Drawings are printed on a HP designjet 500 or a Sharp printer. All of our computers are networked.

Also, the field operation of surveying has changed with the times. Years ago it required a three-man survey crew. Now most jobs are done with better accuracy by one person. Besides the usual surveying equipment, Island Surveying uses a one man robotic total station. We are also part of L-net, a multi-based dual constellation solution (Network RTK). This GPS system gives us a rapid fixed solution with centimeter accuracy. The system reference fame is NAD 83 and NAVD 88 datum.

Island surveying also has a 27-foot Wellcraft boat at its disposal for any open water work. It was been used in the past for the City of Key West Mooring Field and Tarpon Pier.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

07/09/2014

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 Talbert Insurance Services 3473 Satellite Blvd, Suite 114 Duluth, GA 30096	CONTACT NAME: Samantha Kintz	FAX (A/C, No): (770)813-8535
	PHONE (A/C, No, Ext): (770)497-9400	E-MAIL ADDRESS: skintz@talbertservices.com
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURED Island Surveying, Inc. 3152 Northside Drive, Suite 200 Key West, FL 33040	INSURER A : Foremost Insurance Group	41513
	INSURER B : Foremost Insurance Group	
	INSURER C : Hanover Professional	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER: 00000969-787323** **REVISION NUMBER: 5**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY	Y	Y	PAS004716827	04/22/2014	04/22/2015	EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person) \$ 10,000
	<input checked="" type="checkbox"/> BLANKET ADDITIONAL <input checked="" type="checkbox"/> BLANKET WOS						PERSONAL & ADV INJURY \$ 1,000,000
GEN'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE \$ 2,000,000
<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC							PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY			PAS004716827	04/22/2014	04/22/2015	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input type="checkbox"/> ANY AUTO						BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS						BODILY INJURY (Per accident) \$
	<input checked="" type="checkbox"/> HIRED AUTOS						PROPERTY DAMAGE (Per accident) \$
	<input type="checkbox"/> SCHEDULED AUTOS						NO OWNED AUTOS \$
	<input checked="" type="checkbox"/> NON-OWNED AUTOS						
	UMBRELLA LIAB						EACH OCCURRENCE \$
	EXCESS LIAB						AGGREGATE \$
	DED						\$
	RETENTION \$						
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY		Y	WCC08167233	10/18/2013	10/18/2014	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	Y/N	N/A				E.L. EACH ACCIDENT \$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
							E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	PROFESSIONAL LIABILITY			L1A8840555	08/13/2013	08/13/2014	EACH CLAIM \$ 1,000,000
C	LIABILITY			L1A 8840555	08/13/2013	08/13/2014	AGGREGATE \$ \$1,000,000

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

The City of Key West, all Departments, Agencies, Boards, Contractors and Commissions, its officers, agents, servants and employees are additional insured as respects liability arising out of activities performed by or on behalf of Island Surveying, Inc. WAIVER OF SUBROGATION IS ATTACHED TO THE WORKERS COMP AND GL POLICES.

Workers Comp: FRED HILDEBRANDT

CERTIFICATE HOLDER**CANCELLATION**

CITY OF KEY WEST
3126 FLAGLER AVENUE
KEY WEST, FL 33040

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

(SJK)

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BILL	POLICY NUMBER	TC	PRODUCER NUMBER	AC	ACCOUNT NUMBER	AUDIT
D	PAS 04716827		10599587		F001052460-001-00001	NONE
BRANCH GR GRAND-RAPIDS						EFF 04/22/2014



**PRECISION PORTFOLIO POLICY
 SUPPLEMENTAL DECLARATIONS
 PRECISION AMERICA
 OFFICE PROGRAM
 (CONTINUED)**

COVERAGE PART(S) AND FORM OR ENDORSEMENT NUMBER	FORM OR ENDORSEMENT NAME AND FORM OR ENDORSEMENT SUPPLEMENTAL INFORMATION
LIABILITY CG2404 1093	WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US NAME OF PERSON OR ORGANIZATION: THE SCHOOL BOARD OF MONROE COUNTY FL DESCRIPTION OF CONTRACT OR PROJECT: SURVEY BUILDING LAYOUT COST OF CONTRACT OR PROJECT: \$5,000
LIABILITY CG2404 1093	WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US NAME OF PERSON OR ORGANIZATION: BANK OF AMERICA NA DESCRIPTION OF CONTRACT OR PROJECT: SURVEY BUILDING LAYOUT COST OF CONTRACT OR PROJECT: \$5,000
LIABILITY CG2404 1093	WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US NAME OF PERSON OR ORGANIZATION: BLANKET WAIVER OF SUBROGATION DESCRIPTION OF CONTRACT OR PROJECT: SURVEY COST OF CONTRACT OR PROJECT: \$1

BILL	POLICY NUMBER	TC	PRODUCER NUMBER	AC	ACCOUNT NUMBER	AUDIT
D	PAS 04716827		10599587		F001052460-001-00001	NONE

BRANCH GR GRAND RAPIDS

EFF 04/22/2014



**PRECISION PORTFOLIO POLICY
SUPPLEMENTAL DECLARATIONS
PRECISION AMERICA**

COVERAGE PART(S) AND FORM OR ENDORSEMENT NUMBER	FORM OR ENDORSEMENT NAME AND FORM OR ENDORSEMENT SUPPLEMENTAL INFORMATION
LIABILITY 9S2313 0402	ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS (PRIMARY INSURANCE) NAME OF ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS BLANKET ADDITIONAL INSURED (PRIMARY) 3152 NORTHSIDE DRIVE SUITE 200 KEY WEST FL 33040 LOCATION(S) OF COVERED OPERATIONS: (30) DAYS NOTICE OF CANCELLATION PER WRITTEN CONTRACT

7/9/2014



WORKERS
↓
Comp

Ghost Transaction Activity

Policy Number: WC 008167233 Policy Effective Date: 10/18/2013

Transaction Type: ENDORSEMENT
Transaction Effective Date: 7/9/2014

User-Id: skintz (M)
Processing Date: 7/9/2014

◆ ADDED WC000313 WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

↑

City of Key West Environmental Engineering and Coastal Engineering Request for Qualifications

SWC TEAM PROPOSED ORGANIZATIONAL CHART

SWC Team Key Personnel Availability to This Contract	
SWC	HWA
Sandy Walters, 70%	Hans Wilson, 50%
Jim Brush, 75%	David McKee, 70%
Diana Aranda, 75%	Theresa Cauthern, 70%
Randy Corbin, 90%	C-C
CRA	Jannek Cederberg, 75%
Mike Fisher, 70%	Jason Cummins, 50%
Alex Chatham, 65%	Matt Talamas, 75%
Dr. Richard Lewis, 50%	IS
GLE	Fred Hildebrandt, 50%
Michael Collins, 50%	Donald Fletchall, 75%
Rafe Padgett, 75%	
Lucas Barroso-Giachetti, 75%	

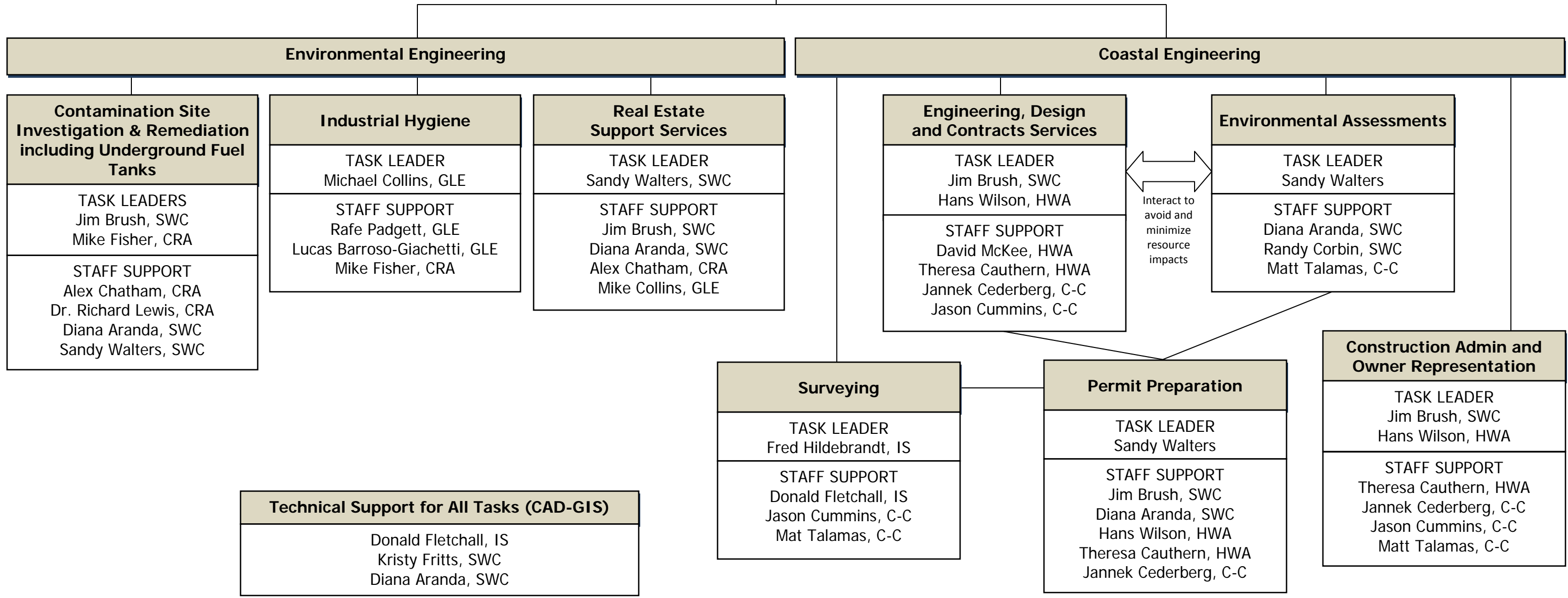


City Project Manager/Director
Jim Bouquet, P.E.

SWC Team Principal in Charge
Sandy Walters, SWC

Quality Assurance
Sandy Walters, SWC
Mike Fisher, CRA
Michael Collins, GLE
Hans Wilson, HWA

The SWC Team
Sandra Walters Consultants, Inc. = SWC
Conestoga Rovers & Associates, Inc. = CRA
GLE Associates, Inc. = GLE
Hans Wilson & Associates, Inc. = HWA
Cummins Cederberg, Inc. = C-C
Island Surveying, Inc. = IS



Environmental Engineering
SWC TEAM STAFF QUALIFICATIONS BY CONTRACT DISCIPLINES

Work Disciplines	SWC			Conestoga Rovers & Associates, Inc.			GLE & Associates, Inc.		
	Sandy Walters, M.A.	Jim Brush, P.E.	Diana Aranda, M.S.	Mike Fisher, P.G.	Alex Chatham, P.E.	Richard Lewis, PhD, P.E.	Micheal Collins, CIH	Rafe Padgett, CIAQP, CIEC	Lucas Barroso-Giachetti, P.E., CHMM
Contamination Site Investigation & Remediation									
Site history reviews	✓	✓	✓	✓	✓	✓			
Hydrogeological investigations	✓	✓	✓	✓	✓	✓			
Remedial engineering evaluation		✓			✓	✓			
Remedial cost assessment		✓		✓	✓	✓			
Remedial engineering design		✓		✓	✓	✓			
Remedial permitting	✓	✓		✓	✓	✓			
Remedial system cost oversight		✓		✓	✓	✓			
Remedial Resident Project Representative services	✓	✓	✓	✓	✓	✓			
Industrial Hygiene									
Industrial monitoring							✓	✓	
Health & safety compliance				✓	✓	✓	✓	✓	
Laboratory compliance				✓			✓	✓	
Asbestos & lead paint mgmt							✓	✓	
Underground Storage Tanks									
Hydrogeological investigations	✓	✓		✓		✓			
Monitoring well design	✓	✓		✓		✓			
Monitoring well installation oversight	✓	✓		✓		✓			
Removal/replacement oversight		✓		✓	✓				
Removal/replacement assessments		✓		✓	✓				
Contamination assessments	✓	✓		✓	✓	✓			
Remedial system design		✓		✓	✓	✓			
Remedial system installation		✓		✓	✓	✓			
Remedial system management		✓		✓	✓	✓			
Remedial system permitting		✓		✓	✓	✓			
SPCC Plans	✓	✓		✓	✓				
Real Estate Support Services									
Local permit applications	✓	✓		✓	✓	✓	✓		✓
Phase I ESAs	✓	✓	✓	✓	✓	✓	✓		✓
Phase II ESAs	✓	✓		✓	✓	✓	✓		✓
Contamination assessment	✓	✓	✓	✓	✓	✓	✓		✓
Remedial design		✓		✓	✓	✓	✓		✓
Remedial management		✓		✓	✓	✓	✓		✓

Coastal Engineering
SWC TEAM STAFF QUALIFICATIONS BY CONTRACT DISCIPLINES

Work Disciplines	SWC				Hans Wilson & Associates, Inc.			Cummins Cederberg, Inc.			Island Surveying, Inc.	
	Sandy Walters, M.A.	Jim Brush, P.E.	Diana Aranda, M.S.	Randy Corbin	Hans Wilson, P.E.	David McKee, P.E.	Theresa Cauthen, E.I.	Jannek Cederberg, M. Sc., P.E.	Jason Cummins, M. Sc., P.E.	Matt Talamas, B. Sc., P.E.	Fred Hildebrandt, P.E., P.S.M.	Donald Fletchall
Engineering		✓			✓	✓	✓	✓	✓	✓		
Design	✓	✓			✓	✓	✓	✓	✓	✓		
Surveying									✓	✓	✓	✓
Permit Preparation	✓	✓	✓		✓	✓	✓	✓				
Contracts												
Specifications		✓			✓		✓	✓	✓			
Bid and proposal documents		✓			✓		✓	✓	✓			
Proposal technical review & ranking		✓			✓		✓	✓	✓			
Environmental Assessments	✓	✓	✓	✓						✓		
Construction Admin & Owner Rep												
Operation		✓			✓			✓	✓	✓		
Construction	✓	✓		✓	✓	✓	✓	✓	✓	✓		
Permit modifications	✓	✓	✓		✓	✓	✓	✓				
Improvements	✓	✓			✓	✓	✓	✓	✓	✓		
Rehabilitation	✓	✓			✓	✓	✓	✓	✓	✓		
Retrofit	✓	✓			✓	✓	✓	✓	✓	✓		
Types of Coastal Stuctures												
Docks	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Marinas	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
Seawalls	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓
Bridges	✓			✓	✓			✓	✓			
Erosion control	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
Beach design								✓	✓	✓		
Beach renourishment								✓	✓	✓	✓	



SANDRA WALTERS

President

ACADEMIC BACKGROUND

Masters Degree in Marine Studies, University of Miami, Florida, 1983

Bachelor of Science in Animal Behavior and Marine Biology, University of California, Davis, CA, 1974

SPECIALIZED PROFESSIONAL COMPETENCE

Ms. Walters has 30+ years of professional experience in Florida. She is qualified as an Expert Witness in Florida administrative hearings and court proceedings; has conducted and supervised environmental studies, and developed avoidance and mitigation plans, in all South Florida submerged and upland habitats; has successfully permitted projects ranging from single family homes to developments of regional impact, working with all regulatory agencies; has conducted Phase I and II Environmental Site Assessments, fuel storage tank removals, and acquired No Further Action decisions for many properties; has extensive experience in design and implementation of public participation programs and review and development of comprehensive plans; and has represented clients successfully with many agencies and government boards. She is presently a member of the South Florida Regional Planning Council, appointed by governors Bush, Crist and Scott, serving as chair in 2009; serves on EPA's Water Quality Steering Committee for the Florida Keys National Marine Sanctuary; and served from 2000 to 2004 as a Governor's appointee on Florida's Acquisition and Restoration Council, which supervises purchase and management of State conservation lands.

REPRESENTATIVE PROFESSIONAL EXPERIENCE

Principal, Sandra Walters Consultants, Inc., Key West, Miami, Hollywood & Fort Myers, FL, 1996-present

Provide consulting services to both public and private sector clients in areas of ecological/environmental and land use planning and permitting, including habitat evaluation, mitigation and contamination assessment and remediation; public involvement and outreach; and community and government liaison.

CONTAMINATION SERVICES

- **Pier 1 Petroleum Remediation Estimated Pricing, Port Everglades Master Plan Update**
Principal in charge of site assessment report review and preparation of preliminary estimate of remediation costs, including mobilization; excavation and disposal of overburden; free product and water removal, temporary storage, characterization sampling, and disposal/recycling; site stabilization, remediation design and bidding; and remediation management and oversight.
- **Monroe County Airport Department**
Retained to advise director regarding contamination issues involving spill at Key West Airport fuel farm.
- **Contamination Assessment, Stock Island Fire Station Property, Monroe County Government**
Principal in charge of evaluation of earlier contamination reports and visible contamination evidence at vacant

parcels where new fire station is being built, preparation and implementation of assessment including sampling and testing soils, implemented remediation, and preparation of final report indicating no further action required.

- **Spill Prevention Control and Countermeasure Plan (SPCC), Florida Keys Aqueduct Authority, Marathon, FL**
Principal in charge of plan preparation for FCAA facility consistent with State and federal requirements that specified how oils and fuels were stored, what spill prevention measures were in place, and what steps would be taken if a spill should occur, including notification procedures and contact lists.
- **Monroe County Mosquito Control District, Monroe County, FL**
Reviewed third-party environmental site assessment for 107th Avenue site in Marathon in process of purchase by District for new facility, completed ESA scope as specified by ASTM guidelines, and provided final finding.
- **City of Key West Engineering Services**
Provided ongoing groundwater testing, analysis and reporting services for former underground fuel storage tank site at Key West City Hall; prepare and process application for No Further Action with conditions.
- **Phase I and II Environmental Site Assessments, Florida Keys**
Conduct environmental site assessments for commercial real estate transactions and transportation projects. Conducted assessments following ASTM guidelines for District 4 FDOT and many public agencies and private property owners throughout Florida Keys. Also was qualified and provided expert witness testimony in circuit court regarding Phase I ESA scope and ASTM guidelines.
- **Discount Rock & Sand, Marathon, FL**
Conducted assessment of property and analyzed its redevelopment potential under the City of Marathon Comprehensive Plan and Land Development Regulations, including State regulation for construction and demolition debris disposal facilities; documented and analyzed historic and existing site conditions. Prepared, processed and acquired permit for facility from Florida Department of Environmental Protection, currently working on acquiring final building approval from City of Marathon.
- **Bayview Inn, Conch Key, Monroe County, FL**
Conduct testing and analysis of groundwater to determine status of remaining contamination resulting from removed underground fuel tank, prepared and successfully processed proposal for No Further Action with Conditions with DEP.
- **Watermark Marina Site Investigation, Islamorada, FL**



OFFICES IN MONROE, DADE, BROWARD AND LEE COUNTIES

MAIN TEL: 305-294-1238, FAX: 305-294-2164, COMPANY EMAIL: SWC@SWCINC.NET, WEBSITE: WWW.SWCINC.NET

WBE • SBE • DBE • CBE • WOSB

Principal in charge of extensive sampling and testing to assess contamination at marina site.

➤ **Tank Removal and Contamination Assessment, Tropical Reef Resort, Islamorada, Florida**

Provide quality assurance supervision of SWC staff in charge of underground fuel storage tank removal, soil and groundwater testing and analysis, and preparation and submittal to Florida Department of Health of contamination assessment report and No Further Action proposal, which was approved.

➤ **Robbie's Safe Harbor Marine Enterprises, Inc., Florida Keys**

Develop agreements with Florida Department of Environmental Protection for solid waste cleanup and above-ground fuel storage tank removal, including field testing, preparation and submittal of tank closure assessment report (TCAR). Prepare and process solid waste transfer station general permit, including representation as expert witness at State administrative hearing decided in client's favor.

ENVIRONMENTAL STUDIES • PERMITTING • MITIGATION • MONITORING SERVICES

➤ **Horizontal Directional Drill Permitting and Third Party Environmental Monitoring, Islamorada Wastewater Project**

In charge of permitting with DEP, USACE and FKNMS for directional drills under seven channels in Upper Florida Keys to accommodate wastewater pipelines. Work involved extensive coordination with project engineers, contractors, resource management and regulatory agencies; benthic and emergent habitat assessments including detailed mapping and characterization of resources below which pipeline will run; preparation and processing of permit applications; and responses to requests for additional information. Acquired all permits in less than three months due to extensive agency coordination and very-thorough permit application materials. Conducted work as full-time third party environmental monitor for all drilling activities, including constant onsite inspections and oversight; coordination with drilling company and environmental agencies; water quality, wetlands and submerged habitat data collection in the event of a possible frac out of drill operation to document impacts; and preparation of summary reports.

➤ **Tarpon Pier Replacement, City of Key West**

SWC was in charge of environmental data collection, and development and implementation of an impact assessment and mitigation plan, for replacement of existing City pier in Garrison Bight. Work included mapping submerged resources including seagrasses and corals, coordination with the Florida Keys National Marine Sanctuary and Florida Department of Environmental Protection, and transplantation of impacted corals consistent with Sanctuary requirements.

➤ **Mallory Dock Maintenance Dredge, City of Key West**

Principal in charge for successful acquisition of USACE and DEP permit modifications to add Mallory Dock to scope of

Navy Key West Harbor dredging project, including collection of all data on submerged habitats required by agencies, coordination with dredging company and environmental monitoring contractor, acquisition of EPA approval for use of offshore disposal site and provision of Quality Assurance services onboard the dredging vessel. Represented City in Navy agency partnership process for harbor dredge and other environmental issues.

➤ **S. Roosevelt Seawall Repair Seagrass Monitoring, Key West**

Supervised assessment and documentation of seagrasses in vicinity of seawall undergoing repairs, including field data collection and photography, update of CAD files delineating seagrass line, measurement of seagrass impacts in project area for mitigation purposes, and report preparation.

➤ **Smathers Beach Seagrass Mitigation Monitoring, Key West**

Member of team that conducted field monitoring of seagrass mitigation project for City of Key West. Roles included field personnel establishing monitoring sites, collecting required data, supervising surveyor, assisting with preparation of monitoring reports, and providing local liaison with City and base of operation for work.

➤ **Key West Mooring Field Pilot Project**

Principal in charge of conducting 1-year, monthly data collection, analysis and report preparation for moored vessels around Key West Mooring Field as part of County and State mooring field pilot project.

➤ **Key West Mooring Field Seagrass Monitoring Project**

Conducted 3-year seagrass monitoring project at Key West Mooring Field that investigated potential shading impacts from boats, including project design, photographic documentation of stations over time, collection of seagrass density and shoot count data, report preparation and report submittal and processing with DEP. This study was first of its kind in Florida, and several other coastal communities have requested copies of final report.

➤ **Submerged Habitat Study and Sediment Analysis, Key West Harbor and Vicinity**

Conduct survey of submerged habitats in and around Key West Harbor. Divers collected field data from 50, randomly selected sites. This data was then collated into maps showing general distribution of habitats in area, and underwater photographs were organized and printed. Data was compared with that collected at other sites throughout Florida Keys, to assess habitat quality in relation to shipping activities in Harbor. Supervise collection of sediment samples in and near harbor following approved DEP protocol, transmit to State certified laboratory for testing for petroleum contamination and RCRA metals, prepare report summarizing findings.

➤ **City of Key West Stormwater System**

Consultant in charge of bringing City into compliance with ERP requirements for already-completed and future maintenance work of stormwater system, including



mapping and characterizing affected wetlands, and developing impact assessment and mitigation plan that incorporates 5.6 acres of wetland restoration and enhancement at former Hawk Missile site in eastern Salt Ponds and creation of connection between Riviera Canal and western Salt Ponds to enhance 131 acres of wetlands and cause significant water-quality improvements. Served as City representative in negotiating a consent agreement with South Florida Water Management District that was unanimously adopted by District Governing Board and City Commission.

➤ **City of Key West Navy Base Reuse Plan**

Member of team that evaluated Key West surplus Navy properties and developed reuse plan. Primary role—planning and environmental assessments including SCUBA examination of Truman Waterfront Mole Pier.

➤ **General Environmental Consultant, City of Key West**

Was awarded general contract for City services, and ranked by City Commission number one of three firms being contracted.

➤ **Permit Compliance for Large Condominium Complex (Seaside and Salt Ponds), Key West, FL**

Retained by property owner to assist with resolution of permit compliance issues with South Florida Water Management District; conducted extensive research of permitting and project history, held meeting with District staff and developed consensus on approach, developed consent agreement, worked with property owner to design and implement significant restoration project in Salt Ponds as well as to restructure onsite restoration projects from those specified in original permits, in progress with implementing multi-year monitoring plan; property owner received award from District for being so forthcoming with restoration efforts and award ceremony had front-page article in local newspaper.

➤ **Electric Transmission Line Environmental Compliance Monitoring, Florida Keys**

Conducted DEP and USACE permit conditions environmental compliance monitoring of installation of new electric tie-line poles between Big Coppitt Key and Key Haven in wetland and submerged habitats, including confirmation of pre-construction conditions, onsite inspections to assure impacts do not exceed limits established in environmental permits, and long-term monitoring to document post-construction recovery.

➤ **Residential Redevelopment Project in Marathon, Florida Keys**

Served as project manager for all aspects of environmental planning and permits for 99-slip, 92-unit redevelopment project in Marathon called Marlin Bay Yacht Club, including supervision of all field data collection and preparation of benthic assessments and avoidance and minimization plans, supervision of application preparation and submittal and all responses to requests for additional information, work with DEP to acquire net positive public benefit exception to State submerged land lease riparian restriction, and presentations to Governor

and Cabinet regarding lease rule provisions and final lease adoption. Acquired permit and submerged land lease in nine months of filing application.

➤ **Jewfish Creek Bridge/US Highway 1 Project, Northern Florida Keys**

Member of design-build team in charge of environmental compliance for final design and construction of 65-foot-high bridge over Jewfish Creek and new roadway from North Key Largo to just south of Dade County line, including training of onsite personnel regarding avoidance of listed species; coordination with agencies for permit modifications; assessment of preconstruction environmental conditions; and continuous work with project engineer and contractor to assure all environmental permit conditions are met during four-year project. Work included mapping seagrasses along project corridor.

➤ **La Siesta Resort and Marina, Islamorada, FL**

Served as principal in charge of benthic assessment and ERP impact assessment and mitigation plan for oceanside and bayside entrance channels and marina basins, including seagrass restoration plan to restore orphan propeller scars in Lignum Vitae State Aquatic Preserve.

➤ **Dock Appeal Benthic Assessment and Expert Witness Testimony, Upper Florida Keys**

Conducted extensive benthic resource mapping of nearshore habitats in relation to location of single-family home dock that was subject of neighbor appeal of DEP permit, prepared expert witness report, participated in deposition in preparation of hearing before administrative law judge.

➤ **Grassy Key Beach Cleanup, Florida Keys**

Provided onsite ecological oversight of beach cleanup operation conducted by contractor for DEP, assuring heavy equipment did not harm biological resources and removed only storm-deposited dead seagrass and sediments as specified by DEP and USACE.

➤ **Cudjoe Key Quarry, Florida Keys**

Planning and permitting for continuation of existing rockmining operation. Develop wetland and endangered species habitat mitigation plan which has received endorsement of USFWS and Florida Game and Fresh Water Fish Commission (FWC) staff; prepare and process DEP and USACE permit applications; process County vested rights application; successfully negotiate development agreement with Monroe County and Florida Department of Community Affairs (DCA). For new owner, prepare and successfully process permit modifications for change of land use to communications facility, successfully negotiate new development agreement with DCA, prepare and process Monroe County permit application, prepare testimony and appear as witness in local court hearing regarding County moratorium on communication facilities.

➤ **Former Silver Eagle Distributors property, Key West**

Conducted monitoring of mitigation required by environmental resource permit and closed out South



Florida Water Management District permitting requirements; following issuance by District of letter of concern regarding perpetual maintenance issues, worked with local police and several non-profit organizations to assist property owner with issues regarding homeless population living within a preservation area and removal of trash and exotic vegetation from site, in order to find win-win solution and achieve compliance with SFWMD permit.

➤ **General Environmental Consultant for Florida Keys Overseas Heritage Trail**

In contract with DEP, provided environmental planning services for entire 130-mile linear park throughout Florida Keys, including NEPA review and documentation for permitting of segments and bridge crossings.

➤ **Stormwater Filter Marsh, City of Naples, Collier County**

In charge of wetland jurisdictional determination, habitat evaluation, and threatened and endangered (T&E) species survey; development of impact assessment and mitigation plan, as needed; and general assistance with preparing and processing environmental resource permit (ERP) applications with DEP and US Army Corps of Engineers (USACE) for creation of filter marsh to provide treatment to stormwater presently being pumped untreated into Naples Bay.

➤ **Tree Obstruction Survey, Hollywood-Ft. Lauderdale International Airport, Broward County**

Principal in charge of tree obstruction survey and report for entire airport property. Work includes field data collection and preparation of report including a detailed spreadsheet with tree specifications and recommendations for trimming or removal, aerial figures showing all tree locations, and photo exhibits.

➤ **Environmental Impact Study & Permitting, Ft. Lauderdale-Hollywood International Airport Runway Extension**

Principal in charge of fulfillment of all NEPA requirements including T&E species impact assessment and wetland delineation, coordination with environmental regulatory agencies, and preparation and processing of environmental permit applications for final, selected alternative. Acquired concurrence from all resource agencies on jurisdictional lines and UMAM scores for all wetlands affected by one or more project alternatives, prepared administrative draft and Draft Environmental Impact Statement, participated in DEIS public hearing, prepared EFH and Biological assessments for National Marine Fisheries Service and U.S. Fish & Wildlife Service, prepared responses to all ecological questions for DEIS and FEIS; assisted with preparation of Final EIS.

➤ **Port Everglades Master Plan Update, Broward County**

Principal in charge of all natural systems data collection and analysis and permitting assessments for five-year master plan update, including incorporation of updated plan into County comprehensive plan.

➤ **SR-710 PD&E Study, District 4 FDOT**

Part of consultant team in charge of planning, design and environmental study of 27-mile corridor of B-Line Expressway through Palm Beach and Martin counties. Responsible for wetlands and threatened and endangered species field data collection, assessment of contamination potential in vicinity, and documentation of land use patterns along corridor regarding potential for secondary and cumulative impacts.

➤ **Wetland Delineation, Essential Fish Habitat Assessment and Local Permitting Support for Utility Corridor, Okeechobee, Hills-borough and Miami-Dade counties**

Principal in charge of wetland data collection and jurisdictional delineation for utility corridor, utilizing both federal and State wetland delineation methodologies, including extensive habitat characterization, mapping using sub-foot-accuracy Trimble GPS equipment, and daily downloading and transmitting of data to central processing facility. Also prepared EFH Assessment meeting NMFS requirements for South Dade County segment, including cumulative and secondary impacts analyses, and provided coordination and assistance with local permitting in Martin and Miami-Dade counties.

➤ **WTA Compartments B & C Environmental Impact Study (EIS), SFWMD, Palm Beach County**

Part of consultant team that developed EIS for improvements to water treatment areas just south of Lake Okeechobee, which is an Acceler8 project associated with Everglades restoration. Work includes full assessment of existing data and sources and evaluation of sufficiency; drafting environmental consequences alternatives, wetlands and T&E species sections; and participating in public involvement activities.

➤ **Herbert Hoover Dike Culverts 1 and 1A Replacement Project, Glades County, FL**

In charge of all start-up of environmental compliance scope for \$47 million project to replace two 10-foot culverts through the Herbert Hoover Dike near Lake Okeechobee. Work included preparation of Stormwater Pollution Protection Plan (SWPPP) and NPDES notification; development of Environmental Protection Plan; permitting of dewatering plan; development of boating Maintenance of Traffic (MOT) plan; contractor training regarding environmental compliance criteria, including development and printing of waterproof field compliance handbook; turbidity monitoring and reporting, including staff training to meet State permit criteria and work supervision; monitoring of 10 listed species; and preparation and processing of required reports. All plans and reports received U.S. Army Corps of Engineers approval.

➤ **General Engineering Services, City of Pompano Beach and City of Ft. Lauderdale, Broward County**

Part of consulting team providing engineering services to the City, with SWC scope including environmental, planning and public involvement tasks.

LAND USE PLANNING AND PERMITTING • PUBLIC INVOLVEMENT SERVICES



➤ **District Six FDOT Communication Services for Construction Projects, Monroe County**

SWC is serving as prime contractor to provide communications services for all FDOT District Six construction projects throughout Monroe County. This includes a full-time public information specialist for the 2.1-mile North Roosevelt Boulevard project in Key West. SWC is currently managing 11 Keyswide assignments.

➤ **District Six FDOT General Public Information Contract for Design Services, Monroe County**

SWC is member of consulting team that was just awarded a three-year contract for general design services public information and will be responsible for all of Monroe County. SWC previously provided these services for five years under an earlier contract. Work has included US Highway 1 corridors on Big Coppitt Key, from Key West to Stock Island, Big Pine Key, Cudjoe Key and Grassy Key.

➤ **FDOT Planning, Design & Environmental (PD&E) Studies in Islamorada, Marathon and Big Coppitt Key, Florida Keys**

Member of team that conducted FDOT studies of roadway improvements, including turn lanes, in five-mile corridor in Islamorada, five-mile corridor in Big Coppitt Key, and Sombrero Beach Road in Marathon. Services included public involvement, land use planning, and landscape architecture elements of study, including coordination with local staff and elected officials.

➤ **Stock Island-Key Haven US 1 Corridor Study, Florida Keys**

Provided public involvement outreach and meeting coordination services for study to identify improvements to US 1 corridor segment; resulted in significant participation by user groups and relevant and effective planning charrette.

➤ **Expert Planning Services for Town of Medley, Dade County**

Served as town planning staff, providing review and support for public hearings for adoption of City ordinance.

➤ **Hawk's Cay Expansion Development of Regional Impact, Florida Keys**

Prepared and successfully processed Application for Development Approval for Hawk's Cay Expansion Development of Regional Impact to South Florida Regional Planning Council. Evaluation included environmental, public facilities, socio-economic, and traffic impacts. Provided continued planning consultation, including 1996 approval of major site plan revision and 7 year extension, approvals of three DRI revisions, and annual reports.

➤ **Rezoning and Development Agreement for 92-unit Project, City of Marathon, Florida Keys**

Served as principal planning consultant and agent for 92-unit redevelopment project, including recent acquisition of property rezoning and executed development agreement from Marathon City Council. Work involved representation with planning staff, Council members and Florida Department of Community Affairs representatives; and work with Florida Department of Environmental

Protection and Governor and Cabinet regarding submerged land lease for 115-slip private marina.

➤ **Monroe County Planning Services for Expansion, Parrotise Restaurant, Little Torch Key**

Prepared and successfully processed application for conditional use to expand restaurant, including detailed site planning and conceptual stormwater management system; prepared and successfully processed alcoholic beverage permit to provide for outdoor food and beverage service, including thorough review of sound ordinance issues and presentation of findings to Planning Commission.

➤ **Lower Sugarloaf Key Mixed Use Development, Lower Florida Keys**

Served as planning consultant and agent, developed and processed major conditional use application for mixed use office, workforce housing and market-rate housing project; received 8/0 positive vote from Monroe County Development Review Committee and 5/0 positive vote from Monroe County Planning Commission.

➤ **Key West Transfer Station & Hauling Services, Inc.**

Prepared and successfully processed application to DEP for renewal of solid waste transfer station permit that provides for substantial expansion and updating of facility, including supervising CADD drawings, engineering of site and preparation of environmental resource permit application for stormwater system, coordination with agency staff to assure application meets standards, and responses to information sufficiency reviews. Participate as expert for client by deposition in lawsuit by competing business.

➤ **State Aquatic Preserve Management Plan, Florida Department of Environmental Protection**

Responsible for principal drafting of Statewide management plan for 41 State aquatic preserves.

➤ **Expert Witness Testimony for Monroe County**

Conducted thorough review of land use, environmental and permitting issues for property in North Key Largo which was subject of suit against Monroe County, prepare expert witness report, provide deposition in circuit court proceeding. Work included extensive review of several USFWS HCPs in Key Largo for effects on reasonable development expectations in area.

➤ **City of Key West Bahama Village Redevelopment Plan Update**

Member of team that updated community redevelopment plan. Primary roles—environmental and public facilities planning; and public involvement, including preparation and distribution of project newsletters and news releases; and development and implementation of proactive community involvement process.

➤ **City of Key West Economic Development Conveyance Application**

Member of team that developed EDC application for surplus Navy properties. Primary roles—planning and implementing meetings with local officials and interest groups, coordination of public workshops and



presentations, and public facilities and environmental data collection and analysis.

➤ **Marx Investments, LLC Development Feasibility Study, Big Coppitt Key, FL**

Document and analysis historic and existing site conditions; prepare feasibility study to determine the development potential for the property under the regulations of the Monroe County Comprehensive Plan and Land Development Regulations.

➤ **Habitat Conservation Plan (HCP) and Community Plan for Big Pine Key, Monroe County, FL**

Represented affected property owners to develop HCP following US Fish & Wildlife Service (USFWS) guidelines for federally-endangered Key Deer on Big Pine and No Name keys in Florida Keys. The County implemented parallel process to develop community plan that incorporates HCP into County comprehensive plan and land development regulations. System developed involves complex point system for incidental takings associated with any new structure, and requires mitigation to compensate for impacts associated with issuance of building permits.

Vice President & Manager of Environmental and Permitting Division, HJ Ross Associates, Inc., Coral Gables, FL, 1994-1996

Create new division of company, manage personnel and project budgets, develop project proposals.

➤ **US Highway 1 South Project, from Key Largo to Florida City**

Consultant Project Manager—assist Florida Department of Transportation, District 6, in permitting for expansion of 20-miles stretch of US Highway 1, including construction of new bridge with 65 foot water clearance at Jewfish Creek. Permits were required from U.S. Coast Guard, South Florida Water Management District, and ACOE, and coordination with Dade County Department of Environmental Resources Management. Work included preparation of permit applications; creating CADD generated permit sketches; responding to information sufficiency reviews (including extensive evaluation of potential secondary impacts of project on community and environment); supervising field investigations for construction projects and associated mitigation (including mangrove, seagrass, and freshwater emergent habitats); public information; and coordinating with many commenting agencies.

➤ **Development of Regional Impact Application and Environmental Impact Statement for New Runway at Miami International Airport**

HJR project manager for preparation of sections of documents, and overall quality control and editing.

Publisher and Media Consultant, Little Torch Key, FL, 1986-1994

Co-found, and serve as co-publisher and managing editor for seven years of *Island Navigator* newspaper, a feature monthly publication distributed throughout the Florida Keys. Also manage media division working with all kinds of print and

broadcast media in production and scheduling of public information and advertising campaigns.

Environmental Planning Consultant, Little Torch Key, FL, 1984-1996

Site evaluation and project design for many commercial and residential parcels of property in the Florida Keys, including acquisition of permits from local, state, and federal agencies; policy analysis and legislative support; expert testimony at Florida administrative hearings; and public information programs.

➤ Prepare and successfully submit Application for Development Approval for Hawk's Cay Expansion Development of Regional Impact (at Mile Marker 61 in Florida Keys) to the South Florida Regional Planning Council. Evaluation included environmental, public facilities, socio-economic, and traffic impacts. Also annual reports and continuing planning work.

➤ Provide expert witness testimony in administrative hearing regarding appeal by FL Dept. of Community Affairs of Monroe County development order for beachfront property on Lower Sugarloaf Key.

➤ Provide expert witness testimony in administrative hearing regarding environmental permitting for marina project on Little Torch Key.

➤ Successful application to State Conservation and Recreation Lands program for purchase of Big Pine Key property.

➤ Appointment by Monroe County Mayor to Blue-Ribbon Committee to review land use plan; served as advisor to Monroe County Commission; and conducted South Florida Regional Planning Council review of draft plan.

➤ Extensive research and detailed report regarding impacts of inclusion of Florida Keys in federal Undeveloped Coastal Barrier Program.

Environmental Programs Manager, 1980-1984

South Florida Regional Planning Council, Hollywood, FL

Review comprehensive plans of counties and municipalities in South Florida, evaluate in relation to State and regional policy guidelines, and write evaluations including recommendations for improvements. Participate in and manage reviews of Developments of Regional Impact, with emphasis in areas of environmental and public facilities impacts. Environmental programs manager responsible for analyzing and critiquing environmental aspects of development in region, including U.S. Army Corps of Engineers and Florida Department of Environmental Regulation dredge and fill permit applications; prepare and present reports to Council concerning development warranting regional attention.

➤ **Development of Regional Impact Review**

Broward County—Ball Point, Design Center of the Americas, FEC Industrial Park, Harrison Park, Houston Park Marina, Pompano Industrial Park, Weston Phase II; **Dade County**—Airport Corporate Center, American Bankers Industrial Group, Homestead Bayfront Park & Marina, Chapman Field Park & Marina, Brickell Bay Office Tower, Terremark Centre, 1111 Brickell, SE 8th Street & Brickell



Avenue, Watson Island; **Monroe County**—Port Bougainville/Garden Cove.

➤ **Court Testimony**

Gave deposition as witness for Dade County, FL in District court case involving beach restoration project on Key Biscayne.

➤ **Project Manager: South Florida Oil Spill Priority Protection Response Strategy**

Prepare detailed work program and budget. Supervise consultant in conducting extensive detailed study and mapping of South Florida coastal marine resources in relation to sensitivity to spilled oil. Supervise consultant in writing, editing, graphics, and printing of Environmental Sensitivity Index maps and report titled The Sensitivity of Coastal Environments and Wildlife to Spilled Oil in South Florida. Atlas and report won first prize from Florida branch of American Planning Association, 1981. Coordinate interest groups and agencies for implementation of strategy, including:

- inventory of cleanup equipment and contact personnel in region
- determination of appropriate spill responses and communication channels
- preparation of regional oil spill response handbook
- distribution of all project products and provision of public information concerning project, including presentations at local, state, and national meetings

➤ **Project Manager: Regional Hazardous Waste Program required by State of Florida Water Quality Assurance Act**

Coordinate Broward, Dade, and Monroe counties and Florida Department of Environmental Regulation in South Florida program implementation. Develop and distribute consultant request for proposals. Write and execute contracts between Council and State, counties, and consultant for administration of \$490,000 in State funds for program tasks. Coordinate public information. Review progress reports, assure contract compliance, authorize funds disbursement.

➤ **South Florida Hurricane Evacuation Program (Broward, Dade, and Monroe counties)**

Project Manager: Coordinated U.S. Army Corps of Engineers, technical consultant and local agency task force in plan preparation; developed and implemented public information program.

Sea Awareness Environmental Education Programs, Miami and Little Torch Key, FL, 1976-1981

Develop, market, and run natural history tours for general public to variety of destinations in South Florida and Caribbean.

Adult Education Instructor, 1977-1980

Coral Gables High School & Key Biscayne Community School, Miami, FL

Design, promote, and teach full-semester courses in coastal natural systems of South Florida to adults of all ages and backgrounds.

Research Assistant, 1976-1980

Rosenstiel School of Marine & Atmospheric Science, University of Miami, FL

- South Florida marine mammal salvage program, conduct study of West Indian manatee to stop deaths in flood control structures, take field data and conduct necropsies, analyze data for comparative studies.
- Analysis of infauna at potential sewage outfall site in South Florida.
- Analysis of sediment plume duration and path during dredging in Biscayne Bay.
- Analysis of fish populations on South Atlantic continental shelf for OCS oil and gas lease EIS.

Marine Biologist, Oceanic Society Charters, Belize, Central America, 1975-1976

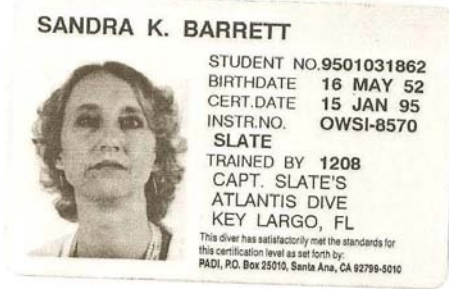
Provide educational and research programs in tropical marine ecosystems for sailing/diving charter groups.

PROFESSIONAL REGISTRATIONS/AFFILIATIONS/CERTIFICATIONS

- Serving since 2005 on South Florida Regional Planning Council appointed by Governors Bush, Crist and Scott, board that oversees planning and regional issues for Broward, Dade and Monroe counties. Served as chair in 2009, currently serving as treasurer.
- Member, EPA Water Quality Steering Committee for Florida Keys National Marine Sanctuary
- Appointed in May 2000 by Governor Bush to four-year term on Florida's Acquisition and Restoration Council, which oversees purchase and management of State conservation lands
- Key West Utility Board Advisory Committee
- Certified Woman-owned Business Enterprise (WBE) and Disadvantaged Business Enterprise (DBE) with Florida Department of Transportation; State of Florida; South Florida Water Management District; Miami-Dade (also SBE), Broward (also CBE) and Lee counties; certified Woman-Owned Small Business (WOSB) with federal government
- Former president, Monroe County Federation of Chambers of Commerce; former president, Lower Keys Chamber of Commerce; current member, Key Largo, Islamorada, Marathon, Lower Keys and Key West chambers
- Associate member, Marathon and Lower Keys Association of Realtors
- Member, Florida Keys Contractors Association
- Member, Florida Association of Environmental Professionals and board member of South Florida chapter
- Member, National Water Resources Association and Florida chapter
- Certified diver, PADI #9501031862, advanced research certification from University of California at Davis and



Rosenstiel School of Marine and Atmospheric Science,
University of Miami





JAMES BRUSH

Project Engineer

ACADEMIC BACKGROUND

BA, LAS Physics, University of Illinois, Urbana IL, 1972

MS, Environmental Engineering in Civil Engineering, University of Illinois, Urbana IL, 1977

PROFESSIONAL REGISTRATIONS

Professional Engineer in six states: FL, TX, IL, IN, MS & AL

Grade A Water Treatment Plant Operator, Texas

Class A Water Treatment Plant Operator, Illinois

Class 4 Wastewater Treatment Plant Operator, Illinois

SPECIALIZED PROFESSIONAL COMPETENCE

During Mr. Brush's career in civil and environmental engineering he has provided consulting and construction management services to industry and government with emphasis in industrial and hazardous waste management, site investigations, remediation/contamination cleanup, groundwater monitoring; underground fuel storage tank closures; fuel storage facilities inspections and certifications. He also has extensive civil and marine engineering experience, having designed a number of stormwater management systems as well as site development and marina projects.

REPRESENTATIVE PROFESSIONAL EXPERIENCE

Project Engineer, SWC, Key West and Miami, 2000-2008, 2012 to present

CONTAMINATION-RELATED WORK

➤ **Bayview Inn, Conch Key, Monroe County, FL**

Work with SWC to provide engineering services associated with preparation of successful application for DEP determination of No Further Action with Conditions for underground storage tank leak.

➤ **Wild Bill's Gas Station, Grassy Key, City of Marathon, Monroe County, FL**

Work with SWC to design and implement an assessment methodology for a site containing a heavily leaking underground fuel storage tank, including installation of monitoring wells, collection of soil and groundwater samples, evaluation of testing results, and development of a site assessment report for the Florida Department of Environmental Protection (DEP).

➤ **Watermark Marina of Islamorada Site Development—Environmental Due Diligence Site Investigation, Islamorada, FL**

Provided civil engineering services. Work included site investigation geotechnical drilling, sampling and assessment/recommendation/cost evaluation report for the clean-up of soils and bay bottom sediment contaminated with boatyard boat bottom paint residues, site layout, coordination of survey, geotechnical study coordination, permitting, drainage, site grading, coordination of architect's plans and specifications for upgraded marina and dock facilities with site civil infrastructure

➤ **Key West Transfer Station, Stock Island, Monroe County, FL**

Work with SWC to design and process DEP environmental resource permit application for stormwater system, and provide all engineering services for preparation of solid waste transfer station permit renewal application.

➤ **City of Key West, Monroe County, FL**

Work with SWC on groundwater monitoring and reporting with Florida Department of Environmental Protection for remediation of underground fuel tank leak.

CIVIL ENGINEERING WORK

➤ **Sunset Condo Gardens, Sunset Marina, Stock Island, Key West**

Provided architectural/engineering services to develop a recreation area for an existing condominium complex. Work including site development, civil infrastructure, coordination of survey and geotechnical work, design and site layout, stormwater retention, new roadway, fencing, walkways, paving, sanitary sewers, site drainage and grading, landscaping, mechanical, electrical, new swimming pool/spa, new beach area, tiki hut eatery, and bar-kitchen area, and a concrete block cabana building with bathhouse and storage facilities.



OFFICES IN MONROE, DADE, BROWARD AND LEE COUNTIES

MAIN TEL 305-294-1238, FAX 305-294-2164, SWC EMAIL SWC@SWCINC.NET, WEBSITE WWW.SWCINC.NET

- **Parrotise Restaurant Conceptual Stormwater Management Plan, Little Torch Key**
Prepared conceptual drainage plan for conditional use application for expansion of restaurant to meet County and SFWMD standards, including all calculations and graphic presentations.
 - **Key Deer Refuge Stormwater Plan, Big Pine Key**
Worked with SWC to prepare drainage plan for parking lot at Blue Hole on Key Deer Boulevard to meet County and SFWMD standards, including all calculations and graphic presentations.
 - **Silverking Marina, Stock Island**
Developed site plan and stormwater management plan for marina, including all calculations and design features to meet County and South Florida Water Management District (SFWMD) permit requirements.
 - **LaSiesta Resort and Marina (bayside and ocean-side), Islamorada, FL**
Provided civil engineering services. Work included site redevelopment layout and civil infrastructure, coordination of survey, geotechnical, study coordination, design, site layout, stormwater retention swales and exfiltration trenches, new roadways, paving, sanitary sewers, site drainage, site grading, Monroe County, Islamorada, and SFWMD stormwater permit applications, storm sewers, utilities, new marina and dock facilities, coordination with architect's new condominium plans with site civil infrastructure and site conditions.
- City of Key West, Monroe County, FL, 1999-2008**
Provided civil engineering project management, permitting, design and construction phase services for docks, pier extensions, marina dredging plan, bay bottom dredge sediment sampling, pollutant characterization, marina restroom facilities, pump-out systems, fueling facilities, new boat ramp, marina operation and maintenance manual, fueling system assessment, marina stormwater management plans, sovereign submerged land leases.
- **City Marina at Garrison Bight Ramp Extension, Fuel Dock, and Sewage Pump Out System**
Provided professional engineering to the City Port Authority for the design and acquisition of US Army Corps Engineers and Florida Department of Environmental Protection (DEP) Permits for a ramp extension, fueling facilities, and boat sewage pump out & pipeline system. Work included developing a site plan, system layout, evaluation of vendor performance claims, design calculations, plans and specifications, bidding and construction services.
 - **City of Key West Ferry Terminal Pier Extension**
Provided professional engineering to the City Port Authority for design and acquisition of US Army Corps Engineers and DEP permits for the extension of the Ferry Terminal Pier at the site of the historic Trumbo Havana Pier. Work included design, plans and specifications for extending an existing concrete pier to add additional slips for ferry future service, including bay bottom contaminant testing & dredging plan. FDEP and USACE permits issued. Key West Bight Ferry Terminal provides facilities for ferries that serve Ft. Myers, Marco Island, Miami, and Caribbean.
 - **Ferry Terminal Phase II Security Access Ramp**
Prepared documents requested by USACE, FDEP, USN, MCEM, USDHS, regarding pier extension, ferry terminal operation, submerged land lease issues, security access & monitoring. Prepared additional required documents such as Marina Operation & Management Plan, Pump-out System Assessment Report, Fueling System Assessment Report, Oil Spill Contingency Plan, SWPPP, SPCC; Clean Marina Application; Report on South Florida marina operation methodologies for comparison to be implemented by Port Authority. Permits issued.
 - **Garrison Bight Marina Stormwater Pollution Prevention Plan (SWPPP)**
Assisted the Marina and Port Authority on the development of the Marina's SWPPP.
 - **Garrison Bight Mooring Field Dinghy Dock Restroom Facility**
Provided professional engineering services to the Port Authority for the design, specifications, bidding, construction-phase services for a new restroom facility that serves Mooring Field tenants. Work included civil engineering, site layout, new sanitary sewer, water, electrical utilities, and permits.
 - **Key West Public Safety Facilities Building**
Design of a backup entrance/exit for fire trucks, just in case of blocked main access point on Roosevelt Blvd. The project involved design of 30' wide x 80' long concrete access driveway bridge was across a mangrove lagoon; as well as, lagoon contaminant testing/dredging plan, fish ladder, fish hatchery, public environmental educational signs, trimming mangrove prop roots, silt removal, cleanup of trash, removal of exotics, and planting indigenous (native) plants in new landscape area. The existing property contains City fire and police stations and an adjacent area wetland-mangrove lagoon that provides fish habitat, stormwater runoff retention and treatment. The Florida Department of Environmental Protection (DEP),



SFWMD, and USACE permits for construction were issued in 2003.

Key Largo Wastewater Treatment District, Key Largo, FL, 2008-2013

Provided engineering and construction management services for new wastewater district during construction of collection, transmission treatment facilities.

- Operations Manager for utility district: planned, organized, assigned, directed, and reviewed the work of 17 employees engaged in operation and maintenance of the vacuum pump collection system, advanced wastewater treatment plant, deep injection well/backup system, and sludge dewatering/disposal operations; Prepared reports, presentations, conducted workshops, training, scheduling, budgeting, risk management, safety.
- Managed bid/award process and provided construction management for an \$18 million advanced wastewater treatment plant and deep injection well/backup system; Reviewed progress of contractors work, change orders, developed punch lists, conducted progress meetings, maintained shop drawings /submittals, record drawings, and RFI files; maintained equipment operation and maintenance manuals, assisted/coordinated in plant start-up and operation.

Industry and Environment, Florida and Texas, 1992-2008, 2013-present

President of engineering firm offering a wide range of civil and environmental engineering services to public- and private-sector clients.

- **Truman Annex Property Owners Association**
Stormwater drainage plans and new asphalt paving designs for parking areas, including stormwater exfiltration trenches.
- **Key West Golf Club Property Owners Association**
Design of storm sewer to mitigate drainage problem in condo residences at golf course.
- **Seaside Grocery & Deli Flood Proofing, Key West**
Developed flood-proofing design, calculations, certifications and documents necessary to comply with Key West FEMA Coordinator Checklist, flood insurance company, and NFIP requirements that reduced flood insurance premiums for property owner.
- **Monroe County Emergency Management, Marathon, FL**
Provided engineering services for design and preparation of FEMA Pre-Disaster Mitigation (PDM) grant application for a new 20,000 square foot hurricane Category 5 EOC building, resulting in a grant award of \$4.2 million. Work included calculations, cost

estimates, field survey and engineering assessment of the blueprints and design codes for the existing Marathon Government Center (MGC) used as a makeshift EOC /BOCC Room.

➤ **American Airlines, 1992-2008 & 2010**

- Storm water drainage studies, SWPPPs, SPCCs, fuel spill facility response plans, permits, waste treatment designs, fuel spill plans and remediation for maintenance facilities at Miami International Airport (MIA), LAX, AFW, ORD, and JFK International Airports; Nashville, TN, El Paso, TX, San Diego and San Louis Obispo, CA, Tulsa, OK, Kansas City, MO, St. Louis, MO, San Juan, Puerto Rico and Dallas Fort Worth, TX.
- Industrial waste treatment facilities at the American Airlines maintenance bases at Alliance Airport (AFW) & (DFW) in Fort Worth, Texas and at the base in Tulsa OK.

➤ **Tinker Air Force Base, Oklahoma City, OK 1992-1995**

Provided consulting/construction management services to the design/build contractor, NACC, the U.S. Army Corps of Engineers Tulsa District, U.S. Air Force Materiel Command (AFMC), Air Logistics Command (ALC) and USN TACAMO-NAS Patuxent River, MD. For this project he aided in design, construction management, start-up of a groundwater extraction well field, operation of treatment system for removal of aircraft maintenance waste solvents and heavy metals at the Soldier Creek/Building 3001 NPL site. EPA Superfund Project- longest drilled horizontal extraction well system in history for environmental cleanup and ground water remediation.

➤ **Union Pacific Railroad, Omaha, Nebraska**

Project Manager for storm water drainage and wastewater treatment facilities and ground water assessments and clean-ups for fuel contaminated Texas Yards in Fort Worth, Palestine, Waco, Mesquite, and San Antonio. San Antonio cleanup addressed jointly groundwater remediation from Kelly Air Force Base. The work included facility SWPPP's, SPCC's, construction management, soil & water sampling and analyses, assessment and remediation reports, facility start-up, operation services & permits.

➤ **Bell Helicopter-Textron, Fort Worth & Grand Prairie, Texas**

Project manager for process and waste treatment facilities design, facilities engineering, construction management operations, and hazardous waste management for V-22 Tilt-Rotor Aircraft manufacturing facility— as consultant to KVG Gideon Toal Inc. Fort Worth, TX & Department of Navy, Southern Division,



North Charleston SC, Naval Facilities Engineering Command (NAVFACENGCOM). In 2007- Provided facilities engineering assistance to Bell Helicopter- Textron Fort Worth TX for a new 40,000 SQ FT building at BHT #1 involving equipment selection cost-effective payback analysis using US Army Engineering and Support Center (Huntsville, AL) software ECONPACK version 3.1.2.

- **Marine Corps Logistics Base, Albany, Georgia-** Industrial Waste Treatment Facility Upgrade Construction Phase, Construction Management, Plant Start-up and OPS Training for the design/build contractor, NACC and USN, Southern Division, North Charleston SC, NAVFAC.
- **E-Systems (now Ratheon), Greenville, Texas** Project manager for facilities projects involving wastewater and stormwater collection and treatment of aircraft maintenance, paint stripping and printed circuit board wastes; hazardous waste remediation, contaminated soil groundwater monitoring and treatment; The work included RCRA Part B permits, SWPPP's, & SPCC's, construction management, contamination cleanup, plant start-up, & operation services.

Environmental Research Lab, Institute for Environmental Studies, Heavy Metals Task Force, University of Illinois at Champaign-Urbana

Research assistant for identification and investigation of environmental problems and solutions. Conducted anaerobic filter pilot plant study for removal of heavy metals and organics from Enfield, CT landfill leachate, soil testing from zinc smelter plant site; studies of toxic effects of applying Chicago Sanitary District sludge to farmland. Conducted atomic absorption spectroscopy, gas chromatography, nuclear magnetic resonance studies, sample preparation and wet chemistry analysis.

PUBLICATIONS

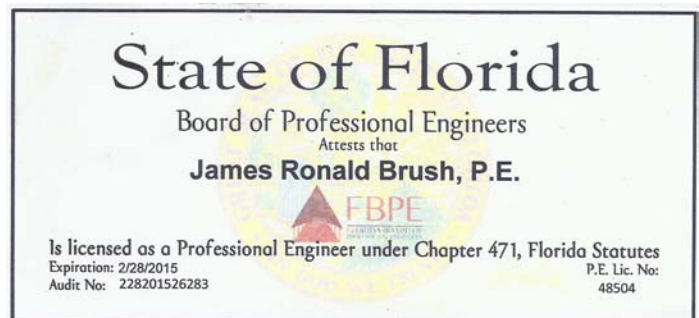
- Heavy Metal Removal from Sanitary Landfill Leachate by Anaerobic Filter*, 32nd Purdue Industrial Wastewater Conference, 1977.
- Heavy Metal Removal with Completely Mixed Anaerobic Filter*, Water Pollution Control Federation Journal. 1979.
- Jet Maintenance Waste Treatment in the Jet Age*, Paper presented at Texas Water Pollution Control Association Conference, June 3-5, 1992, Dallas, Texas.
- ECO-Diving 101*, Dive Travel Magazine, July/August 1997, Santa Cruz, CA.

PROFESSIONAL REGISTRATIONS & ASSOCIATIONS

Florida PE license No. 48504
Professional Engineer in six states—FL, TX, IL, IN, MS & AL
Grade A Water Treatment Plant Operator, Texas
Class A Water Treatment Plant Operator, Illinois
Class 4 Wastewater Treatment Plant Operator, Illinois
American Society of Civil Engineers (ASCE) No. 420707
Cuban American Association of Civil Engineers (CAACA), Miami- Key West-Havana Chapter
Member, United States Power Squadrons, No. E134585
PADI Certified Dive Master No. 98273
NOAA Team Ocean Volunteer, Florida Keys National Marine Sanctuary, boat operator, 1999-2009

SKILLS AND SPECIALIZED TRAINING

Microsoft, AutoCAD, ESRI GIS ArcView, Primavera Management System Prime Contract; Bentley Water/SewerCAD; Computerized Maintenance System *Cityworks*; familiar with Naval Facilities Engineering Command- Construction Management System (NAVFAC Web CM); USEPA Environmental Management Systems (EMS ISO14001); FEMA Incident Command System Certifications ICS100, ICS200, ICS700 & ICS800.





DIANA ARANDA

Project Manager

ACADEMIC BACKGROUND

M.S. in Coastal Zone Management, Nova Southeastern University Oceanographic Center, Ft. Lauderdale, FL, 2013

B.S. in Biology, University of New Mexico, Albuquerque, NM, 2005

SPECIALIZED PROFESSIONAL COMPETENCE

Ms. Aranda is a well-rounded biologist and experienced field researcher who is highly skilled with Geographic Information Systems (GIS) software and mapping and familiar with Keys and South Florida wetlands and agency jurisdictional determinations, and is skilled in conducting marine and coastal habitat assessments. She is experienced in Phase I environmental site assessments, and in designing and implementing water quality monitoring programs. Ms. Aranda is also fully conversant with Florida's Clean Marina program, and is currently assisting a local marina in the process of acquiring Clean Marina status. Through her work she has also become experienced in communications, as well as database collection and management. For example, when Ms. Aranda worked on the wastewater improvement water quality monitoring projects in Marathon (in collaboration with NOAA, FIU and EPA), she was responsible for extensive coordination with team members and the public, and she has managed complex databases associated with several projects.

REPRESENTATIVE PROFESSIONAL EXPERIENCE

Project Manager and Assistant Public Information Specialist, SWC, 2013-present

Work on various ecological, land use and public involvement services for public- and private-sector clients, with responsibilities including data collection and analysis, report writing, and oversight of compliance timetables.

- Has conducted Phase I environmental site assessments for commercial real estate transactions, including data collection and analysis, site visits and interviews, and preparation of figures and reports.
 - Commercial fishing marina site, Stock Island, Monroe County, FL
 - Whitehead Street multi-unit rental property, Key West, FL
 - Upper Sugarloaf Key commercial property, Monroe County, FL
 - Tavernier multi-unit commercial property, Monroe County, FL
 - North Roosevelt Boulevard restaurant property, Key West, FL

- Multi-unit condominium property, Big Coppitt Key, Monroe County, FL
- **A&B Marina**—prepared draft water quality management and Clean Marina plan and is conducting water quality monitoring for State submerged land lease compliance.
- **Islamorada Horizontal Directional Drill for Wastewater Project**—provided environmental permit condition compliance monitoring during drill operations.
- **Port Everglades Master Plan Update**—reviewed extensive background data regarding submerged habitats and wetlands being affected by ongoing and planned Port improvements and assisted with development of updated master plan, including existing conditions and alternatives impact analysis.

Biologist I, Miami-Dade County Dept. of Regulatory and Economic Resources, Coastal Resources Division, 2012-2013

Processed Class I permits for coastal construction which included assessment of benthic resources and wetlands, plan review and report/permit writing. Work included communications with applicants and coordination with team members to facilitate permitting.

Biological Technician, Biscayne National Park, US National Park Service, 2011-2012

Supervised well drilling for groundwater sampling and testing. Assisted in management and coordination of Biscayne National Park's water monitoring program of over 50 YSI instruments on sites within the Park's waters. Participated in planning and execution of field work which involved field safety planning, small boat operations, diving and maintenance of sites. Acted as facilitator with partners and contractors. Work included researching standards and other required information, and extensive team coordination.

Research Associate II, Ship of Opportunity Program, NOAA/AOML/PHOD, 2010-2011

Organized logistics of Transatlantic sample transects, including updating cruise plans, monitoring sampling progress in real time, trouble shooting and reporting problems, participating in ship recruitment, and processing completed cruise reports. Provided computer-generated maps using shell script and GMT. Maintained up-to-date inventories within the program. Managed billing and payments of satellite transmissions and instrument upkeep.



Research Associate I, NOAA/AOML/OCD Microbiology lab, 2008-2010

Assisted in management and coordination of water quality sample processing for plate and molecular analysis, data management and reporting findings and execution of several projects:

- Marathon "Little Venice" wastewater improvement microbial source tracking assessment project (in collaboration with FIU and EPA), including extensive data management and coordination with property owners.
- Collaborate with multi-satellite projects and stakeholders to aid EPA, NOAA, Univ. of Miami, FDEP and independent contractors.
- Miami-Dade County Department of Health's "Healthy Beaches program" collaboration.

Prepared technical reports and communicated findings for:

- 2009 ASM General Meeting, Philadelphia, PA, poster *Assessing temporal and spatial variability of viable indicator bacterial at a marine subtropical beach.*
- 2010 Ocean Sciences Meeting, Portland, Oregon, poster *From Cesspit to Sewer: Utilization of molecular microbial source tracking to assess sanitary infrastructure improvements in Vaca Key in Marathon, Florida.*

Broward County Sea Turtle Conservation Program, Ft. Lauderdale, FL, 2008

Conducted beach surveillance for sea turtle tracks in order to locate and mark nests. Work included checking existing nests for latching and relocating nests as necessary, recording any pertinent field information such as false crawls, and other observations.

Program Coordinator, AmeriCorps VISTA Southwest Youth Services, 2006-2007

Supervised, designed and launched strategies to sustain program development, and implementation. Managed and recruited staff and volunteers for programs. Worked on organization's website development and maintenance. Developed and established partnership with other organizations that resulted in subsidized increased workforce. Assisted in coordination of organization's communications, promotional activities and events in support of service programs.

CERTIFICATIONS AND TRAINING

- Stormwater Management Inspector 2013
- CPR 2009
- PADI Project AWARE—Oct 21 2008

- PADI Advanced Open Water—Jul 15 2008
- PADI Open Water—Mar 8 2004
- DAN Diving First Aid for Professional Divers 2009
- Small Boat Handling Department of Interior Motorboat Operator Certification Course. 2011
- AAUS Scientific Diver via reciprocity from University of Miami safety dive program at the Rosenstiel School of Marine and Atmospheric Science—2009 Rick Riera-Gomez, University of Miami/RSMAS Diving Safety Officer; 4600 Rickenbacker Cswy., Miami, FL 33149; rgomez@rsmas.miami.edu, Phone - 305.421.4107, Cell - 305.338.1445.





DIANA I. ARANDA
 Diver No. 0807017410
 Birthdate 12 FEB 1981
 Cert. Date 15 JUL 2008
 Instr. No. OWSI-179444
JON E. GROOVER
 20075
 DIVERS
 DIRECT
 DANIA BEACH, FL

This diver has satisfactorily met the standards for this certification level as set forth by PADI, 30151 Tomas Street, RSM, CA 92688-2125 www.padi.com



DIANA I. ARANDA
 Diver No. 0410022916
 Birthdate 12 FEB 1981
 Cert. Date 08 MAR 2004
 Instr. No. MSDT-164206
ERIC C. TOOLSON
 2695
THE SCUBA COMPANY
 2715 SAN MATEO NE
 ALBUQUERQUE, NEW MEXICO
 (505) 888-7990

This diver has satisfactorily met the standards for this certification level as set forth by PADI, 30151 Tomas Street, RSM, CA 92688-2125 www.padi.com



DIANA I. ARANDA
 Diver No. 0811083386
 Birthdate 12 FEB 1981
 Cert. Date 21 OCT 2008
 Instr. No. OWSI-160041
PATRICIA M. ROSE

This diver has satisfactorily met the standards for this certification level as set forth by PADI, 30151 Tomas Street, RSM, CA 92688-2125 www.padi.com

American Red Cross



Together, we can save a life

This recognizes that
Diana Aranda
 has completed the requirements for
CPR/AED-Adult

conducted by
Greater Miami and the Keys

Date completed 2/26/2009

The American Red Cross recognizes this certificate as valid for 1 year(s) from completion date.

American Red Cross



Together, we can save a life

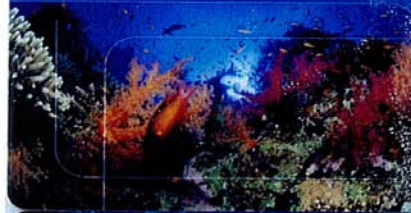
This recognizes that
Diana Aranda
 has completed the requirements for
Standard First Aid

conducted by
Greater Miami and the Keys

Date completed 2/26/2009

The American Red Cross recognizes this certificate as valid for 3 year(s) from completion date.

ADVANCED OPEN WATER DIVER



OPEN WATER DIVER



PROJECT AWARE SPECIALTY
 Non Diving Certification



David M. Stultz

Chairman, American Red Cross
 Instructor's Signature

JAMES STULTZ

Chapter
 Broward County and
 Greater Miami and The Keys Chapters
 Holder's Signature

Cert. 653998 (Rev. Oct. 2001)

David M. Stultz

Chairman, American Red Cross
 Instructor's Signature

JAMES STULTZ

Chapter
 Broward County and
 Greater Miami and The Keys Chapters
 Holder's Signature

Cert. 653008 (Rev. Oct. 2001)



RANDALL "Randy" CORBIN

Environmental Technician

ACADEMIC BACKGROUND

A.S. in Marine Environmental Technology, Florida Keys Community College, Key West, FL, 2012

B.S. in Earth Science, University of Wisconsin River Falls, River Falls, WI, 1975

SPECIALIZED PROFESSIONAL COMPETENCE

Mr. Corbin is knowledgeable in temperate and tropical wetland and marine ecological systems. He is familiar with various sampling and analytical techniques for field data collection, water quality sampling and assessment, and identification and enumeration of tropical wetland and marine species including mangroves and coastal marshes, seagrasses, fish, invertebrates and corals, and is trained and experienced in coral nursery and transplantation methodologies. Mr. Corbin is currently focusing his professional career on benthic assessments, implementation of mitigation plans for unavoidable wetland or benthic impacts, and environmental compliance monitoring during construction to ensure adherence to permit conditions.

REPRESENTATIVE PROFESSIONAL EXPERIENCE

Environmental Monitor, SWC, July 2013-present

Monroe, Miami-Dade and Broward County offices, FL

Provide onsite monitoring of construction operations to ensure permit compliance and identify and assist in prevention or response to any impacts to nearshore water quality, wetlands or submerged resources.

➤ **Preliminary Benthic Assessment, Caloosa Cove Marina, Islamorada**

Conducted snorkel assessment of submerged habitats in marina and entrance channel for assessment of whether permits would be attainable for maintenance dredging.

➤ **Environmental Compliance Monitor, 13-part Television Series being filmed in Upper Keys**

Participate in all film sequences that take place in environmentally sensitive areas to assist in preventing impacts to wetlands and benthic habitats, consistent with conditions of Florida Keys National Marine Sanctuary permit. Assist with determining what additional permits might be required at potential film sites.

➤ **Environmental Compliance Monitor, Islamorada Wastewater System Horizontal Directional Drill (HDD) Under Seven Channels**

Fulltime monitor responsible for oversight of HDD activities to ensure environmental resources are protected and all permit conditions are met. Work

includes being onsite during all construction activities, preparing a daily log that includes drill pressure, walking the corridor repeatedly to detect any frac-outs of drill material in channels (none to date), preparing summary reports at completion of work at each channel, and preparing a final summary report. PM Wynne Grubbs, 770-431-8666.

RECENT RELEVANT PROJECT EXPERIENCE

Field Application in Marine Science: Monitoring Caribbean Reef Fish, 2012

Designated team leader for coordinating the results of Caribbean reef fish monitoring survey done in Bonaire. Using the Bohnsack-Bonnerot stationary fish survey method, each team collected data on multiple reefs for comparison to previous surveys. Both a technical report and Power Point presentation were generated with the results.

Coral Reef Conservation and Restoration, 2012

Participated in preparing and maintaining coral nurseries for Acroporid species with both the Coral Restoration Foundation in Key Largo and the FKCC nursery in Key West. Prepared coral clippings for nursery and out-planted mature colonies on designated reefs.

Marine Data Collection, 2012

Participated in field-oriented marine data collection and establishment of marine data base for selected coral reef, sea grass and mangrove ecological systems. Survey emphasis was on population dynamics, succession and establishment of density, dominance, frequency and important values for sessile invertebrates and marine plants.

Coral Reef Biology and Management, 2011

Study and field application of the biology of corals, coral reefs, including the ecological principles of competition, diversity, symbiosis, disturbance, adaptation, reproduction and recruitment. Also examined the impact of wetlands, mangrove and seagrasses on the overall health and development of coral reefs. Studied the management and conservation practices of the Florida Keys National Marine Sanctuary.



Field Application in Marine Science: Assessment of Coral Reef Habitats, 2011

Conducted multiple Caribbean coral reef assessments in Bonaire using both RECON and Reef Check assessment methods. As team leader was responsible for assigning survey duties, monitoring progress and verifying accuracy of data collected. Developed technical report comparing findings to previous papers and presenting a theory as to any changes in the health of the reefs that were identified.

Basic Scientific Research Diving

Practical application of the tools and techniques for collecting scientific data through the use of scuba diving skills and research methodology as applied to the fields of shipwreck archaeology, physical oceanography and marine biology. Through the use of quadrants, transect lines, sample collection equipment and photography, collected data on various coral reefs and archaeological wrecks throughout Key West. Assisted with deployment of water quality monitoring station for the EPA.

CERTIFICATIONS AND TRAINING

- Qualified Stormwater Management Inspector, DEP
- Emergency First Response, CPR/AED/First Aid and DAN O2 Provider
- Certified PADI Divemaster
- AAUS Scientific Research Diver via reciprocity from Florida Keys Community College Marine Environmental program, Key West, FL
- Certified RECON Survey Diver & Reef Check Trainer



RANDY CORBIN

PADI NO. DM-169505
CERT. DATE 24 SEP 1999



Visit Pro Chek at
www.padimembers.com
to view current renewal
status information.

with this level of certification as sanctioned by PADI 30151 Tomas Street, RSM, CA 92688-2125

Scientific Diver



American Academy of Underwater Sciences
Randy Corbin
Florida Keys Community College
Date of Authorization: July 1, 2012

RANDY CORBIN



EMERGENCY
first response

STUDENT NO 13050D8773
BIRTHDATE 19-Apr-1953
COMPLETED 12-May-2013
INSTR.NO. OWSI-279018
JAMES O. KEEL, JR.
21367
FLORIDA KEYS
COMM. COLLEGE
KEY WEST FL
305 809-3214

This individual has successfully completed an Emergency First Response course that follows current guidelines for emergency patient care.

Emergency First Response Corp.
30151 Tomas, Rancho Santa Margarita, CA 92688
www.emergencyfirstresponse.com
Refresh your skills every two years.

Diving Emergency Management Provider (DEMP)



Meets ILCOR/AHA 2010 Guidelines

Name: Randy Corbin 385814

Certification Date: 5/13/2013

Instructor: 14384 Chad Rector

(Card expires two years after certification date.)



This person has met or exceeded the standards for this certification as set forth by: Divers Alert Network, 6 West Colony Place, Durham, NC 27705
phone 800-446-2671 or 919-684-2946 • fax 919-490-6630 • www.DAN.org

Name: Randy Corbin

Nitrox Diver # 19499

Date: 23-Feb-99

Instructor: Peter Schulz

Location: American Dive Center, FL

Nitrox Diver Qualified in use of 22% to
40% nitrox to a maximum depth of 130 fsw.



The Ocean Conservancy



Synergy Education Associates Inc.

Randy Corbin
RECON Diver

RD-WC-11-00105S
RECON ID#

June-11
Certification Date

www.seainc.org

recon@seainc.org

EDUCATION

- BS, Geology, University of New Hampshire, Durham, New Hampshire, 1979
- Graduate-level Course in Engineering Geology, Florida Atlantic University, Boca Raton, FL, 1993
- Master of Environmental Assessment candidate, North Carolina State University, Raleigh, NC, since 2013

CERTIFICATIONS/TRAINING

- Electric Log Interpretation, Dresser Atlas Correspondence School
- 40-Hour HAZWOPPER OSHA Training

PROFESSIONAL REGISTRATIONS/LICENSES

- Registered Professional Geologist: Florida (0852); Georgia (1575); Mississippi (000643)
- Water Well Contractor: Florida (11136)
- Transportation Workers Identification Card (TWIC) since 2008

PROFESSIONAL AFFILIATIONS

- Geological Society of America, Member
- American Institute of Professional Geologists – Florida Division (formerly Florida Association of Professional Geologists), Founding Member
- Rocky Mountain Association of Geologists, Member

YEARS OF EXPERIENCE

Total: 33 years

CRA: +8 years

SUMMARY OF QUALIFICATIONS

Mike Fisher is a Professional Geologist with more than 27 years of performing environmental projects throughout Florida, North Carolina, Georgia, Alabama, and South America.

He has performed numerous due diligence environmental site assessments, contamination and site assessments, managed and executed numerous projects involving the preparations of Environmental Assessments, Contamination Assessment Plans (CAPs), Quality Assurance Project Plans, (QAPPs), Contamination/Site Assessment Reports (CARs/SARS), Remedial Action Plans (RAPs), Source Removal, Remedial Action Status, and Monitoring, Hydrogeologic Investigation and Flow Calibrations/Verifications reports.

Mr. Fisher has conducted aquifer testing involving the setup and programming of data loggers, surface water stage monitoring including onsite and remote telemetry data acquisition, hydrologic data evaluation and management, compliance audits for marine, commercial, and industrial facilities and has prepared or participated in marine facility, landfill, water-use, industrial, wastewater, and environmental resource permitting.

He is a 25-year Florida-registered Professional Geologist with co-registrations in Georgia and Mississippi and has held a Florida Water Well Contractor license for 20 years with deep well geology and drilling experience dating back 33 years.

RELEVANT PROJECT EXPERIENCE

FLORIDA KEYS / KEY WEST PROJECTS

- **Former Alex's Used Auto Parts, Safe Harbor, Stock Island, Key West, Florida:** Contamination Assessment and Remediation to Closure, Prepared Contamination Assessment Plan (CAP), Quality Assurance Project Plan (QAPP), Contamination Assessment Report (CAR), Sediment Assessment for Dredge & Fill permitting for multi-phased assessment of impacts to soil, groundwater, sediment, and marine surface water by unlicensed landfill adjoining Safe Harbor, Supervised drilling and performed multi-media sampling services for soil and groundwater samples, Supervised and performed sediment and marine water sampling services for soil and groundwater samples, Supervised Interim Remedial Action (IRA) Soil Removal Cleanup, Achieved regulatory approval of a Site Rehabilitation Closure for G-III water quality conditions (Project Manager/Project Geologist).

- **Garrison Bight Marina, Key West, Florida:** Tank Closure Assessment and Reporting, Source Removal Documentation, Testing, and Reporting, Planned and Performed Soil Sampling, Monitoring Well Installations, and Groundwater Monitoring on Active Rack Storage Marina, Interfacing with City of Key West Engineering for Right-of-Way Issues on Adjoining City Marina Property, Florida DOT Permitting for Monitoring Well Temporary Point of Compliance in Right-of-Way, Prepared Site Assessment Report (SAR), Florida DEP Interfacing and Negotiations, Conducted a Facility Inspection and Prepared a Spill Prevention Control and Countermeasure (SPCC) Plan, Pilot Tested Remediation Strategy, Executed Approved Remedial Action Plan (RAP), Phased Construction on Active Rack Storage Marina of a Network of Subsurface Soil and

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Groundwater Vacuum Piping Connected to Specialty-built Dual-Phase Extraction Treatment System. (Project Manager/Project Geologist).

- **Rockland Investment Corp, Key West, Florida:** Assessments, Monitoring, and Regulatory Negotiations for Historic Leaking USTs, Well Installations and Monitoring, Soil & Ground Water Sampling, No Further Action (NFA) Closure (Project Manager/Project Geologist).
- **Former Maloney Avenue Gas Station Limited Assessment, Stock Island, Key West, Florida:** Soil Assessment for Potential Remnant Petroleum Impacts, Ground-Penetrating Radar Survey for Former UST & System Components (Project Manager/Project Geologist).
- **Conch Harbor - West Marine Site Soil Disposal Characterization, Key West, FL:** Designed Petroleum Contaminated Soil Disposal Characterization Sampling Program, Coordinated Sampling and Soil Disposal Characterization (Project Manager/Project Geologist).
- **Safe Harbor Rack Storage/Commercial Marina/Bernstein Trust/Site, Key West, Florida:** Safe Harbor Enterprises proposed landfill redevelopment for mixed-use commercial fishing-recreational marina facility. Environmental Resource Permitting (ERP), Interfacing and Facility Design, Storm Water Pollution Prevention and Control Planning, Contingency Planning, Ecological Impacts Survey, Sediment Dredging Permit Characterization and Mitigation Planning, ERP Mitigation Project Development, Interfacing and Negotiations with Florida Department of Environmental Protection, U.S. Army Corp of Engineers, U.S. Fish and Wildlife Service, and NOAA National Marine Sanctuary Program (Project Manager).
- **Key West Transfer Station Phase I Environmental Site Assessment, Stock Island Key West, Florida:** Due diligence Phase I Environmental Site Assessment for Active Commercial Solid Waste Transfer Station Facility (Project Manager/Project Scientist).
- **Constellation Yacht Phase I Environmental Site Assessment, Stock Island, Key West, Florida:** Due diligence Phase I Environmental Site Assessment for Active Commercial Boat Building and Repair Facility (Project Manager/Project Scientist).
- **Universal Dry Cleaners Phase I / Phase II Environmental Site Assessment, Key West, FL:** Due diligence Phase I Environmental Site Assessment for Residential Re-development, Regulatory Hazardous Waste Facility Enforcement File Review and Communications, Pre- Demolition Soil Sampling (Project Manager/Project Geologist).
- **Universal Dry Cleaners Decommissioning and Cleanup, Key West, FL:** Former Dry Cleaner Site Decommissioning. Site Decontamination and Soil Sampling (Project Manager/Project Geologist).
- **Florida Keys Aqueduct Authority Water Treatment Plant, Duck Key, Florida:** Water Well Contracting Services, Permitting and Abandonment of Monitoring Well in Accordance with Florida Department of Environmental Protection Rule 62-532.500(4) F.A.C. and South Florida Water Management District Chapter 40E-30, F.A.C. Requirements (Project Manager/Water Well Contractor).
- **City of Key West City Hall, Key West, Florida:** Water Well Contracting Services, Permitting and Abandonment of Monitoring Well in Accordance with Florida Department of Environmental Protection Rule 62-532.500(4) F.A.C. and South Florida Water Management District Chapter 40E-30, F.A.C. Requirements (Project Manager/Water Well Contractor).
- **Former Dion Oil Bulk Plant / AAA Cooper Transportation Terminal (Strunk Hardware / Manley-DeBoer Lumber), Key West, Florida:** Tank Closure Assessment and Reporting, Bulk Source Removal Documentation, Testing, and Reporting, Planned and Performed Soil Sampling, Monitoring Well Installations, and Groundwater Monitoring, Prepared Site Assessment Report (SAR), and Florida DEP Interfacing and Negotiations. (Project Manager/Project Geologist).

GOVERNMENT SITES

- **Town of Palm Beach's A 39 Wastewater Pump Station, Palm Beach, Florida:** Leaking Storage Tank Closure, Regulatory Conferencing and Negotiations, Concurrent Site Assessment for Hazardous and Non-Hazardous Contaminant Impacts to Soil, Sediment, Surface Water, and Groundwater, Establishment of Alternative Soil Site Rehabilitation Levels, Bid Specifications and RFP Development for Remediation Contracting, Remedial Strategy Development and Design, and Reporting (Project Manager/Project Geologist).
- **Town of Palm Beach's Capital Improvements Projects, Infrastructure Storage Tank Closures, Discharge Assessments and Remediations, Palm Beach, Florida:** Tank Closure Assessments

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for Barrier Island Community's Capital Improvements UST Removal/Replacement Program, Site Assessments, Remedial Strategy and Design, Remedy Implementations, and Regulatory Negotiations for Petroleum Releases from Leaking USTs, Interim Source Removals, Soil Borings and Sampling, Well Installations and Ground Water Sampling/Monitoring, No Further Action (NFA) and Site Rehabilitation Closures (Project Manager/Project Geologist).

- **Town of Palm Beach's Class III Landfills, West Palm Beach, Florida:** Permitting, Variance Request Technical Support, Permit Compliance, Groundwater and Surface Water Monitoring, Data Validation, and Reporting for Two Municipal Waste Facilities (Project Manager/Project Geologist).
- **Town of Palm Beach Force Main Wastewater Collection System and Wet Wells Odor Control Study, Palm Beach, Florida:** Study of Barrier Island Community's Wastewater System, Air and Wastewater Sample Collection and Analysis to Address Public Odor Complaints, Chemical Treatment Study, Data Analysis, Wet Well retention and Wastewater Transfer Time Issues Identified, Tidal Marine Water Seepage Issues Identified.
- **Town of Palm Beach Sewer Overflow Baseline and Emergency Response Sampling, Palm Beach, Florida:** Barrier Island Community's Wastewater System Overflow Response Plan Support Services, Surface Water Sample Collection and Bacterial Analysis, Data Analysis and Baseline Evaluation
- **Seminole Tribe of Florida, Seminole Farms Brownfields Phase II Assessment, Big Cypress Reservation, Hendry County, Florida:** Developed Unique Scope-of Work and Cost Estimate for Pre-redevelopment of a Large-Scale Agricultural Property, Direct-Push Soil Sampling, Micro Well Installations, Soil and Groundwater Assessment for Agro-chemicals, Metals, and Petroleum Products, Reporting for Remedial Strategy Design (Project Manager/Project Geologist).

MARINE FACILITIES

- **Consolidated Yacht Corp., Miami, Florida (for Robert Wells, Esq.):** Compliance Audit and Supplemental Petroleum, and Metals Impact Assessment, Interfacing with Miami-Dade Department of Environmental Resources Management for Cleanup Strategy to Develop Adjusted Property Value for Bankruptcy Dissolution (Project Manager/Professional Geologist).
- **NuStar Energy, Bulk Petroleum-Chemical Terminals, Port of Jacksonville, Jacksonville, Florida:** Bulk Petroleum and Chemical Storage Facility Tank Closures, Source Removals, Spill Response, Free Product Recoveries, Site Assessments, Remedial Designs, Remedial Actions, Groundwater Monitoring Programs, Interfacing and Remedial Strategy Negotiations-Permitting with the City of Jacksonville's Environmental Quality Division (agent of the Florida Department of Environmental Protection).
- **US Development. JAXBulk Terminal, Port of Jacksonville, Jacksonville, Florida:** Research of Past and Present Environmental Resources Permits for a Port and Rail-accessible Former Bulk Petroleum and Phosphate Terminal for Leased Redevelopment, Phase I Due Diligence Site Inspection and Reporting, Reviewed and Recommended Changes to Pre-redevelopment Phase II and Geotechnical Investigations by Client's Prospective Industrial Manufacturing Sub-lessee (Project Scientist).
- **Garrison Bight Marina, Key West, Florida:** (Project Manager/Professional Geologist).

FUEL STORAGE SITES

- **Town of Palm Beach's Infrastructure Storage Tank Facilities, Palm Beach, Florida:** (Project Manager/Project Geologist).
- Numerous State-funded Cleanup Programs and Cash Client Retail and Non Retail Facility Tank Closures, Source Removals, Free Product Recoveries, Site Assessments, Remedial Designs and Remedial Actions (Project Manager/Project Geologist).
- **Garrison Bight Marina, Key West, Florida:** (Project Manager/Professional Geologist).
- **Former Maloney Avenue Gas Station Limited Assessment, Stock Island, Key West, Florida:** (Project Manager/Project Geologist).
- **Conch Harbor - West Marine Site Soil Disposal Characterization, Key West, FL:** (Project Manager/Project Geologist).

HAZARDOUS WASTE SITES

- **Former Jelliff Corporation Chlorinated Solvent Remediation/Closure, Pompano Beach, Florida:** Hazardous Waste Site Cleanup, Assessment and Remediation to Closure of Chlorinated Solvent Release, Soil Source Screening to Define the Extent and Mass by Modified Active Gas Sampling (MAGS), Design and Supervision of Monitoring Well Network Enhancement, Soil and Groundwater Sampling, Notification to Off-site Receptors of Temporary Points of Compliance, Municipal Right-of-Way Permitting for Temporary Points of Compliance / Monitoring Wells, Remedial Strategy and Design, System Construction, Operations & Maintenance, and Decommissioning, Short-term Groundwater Monitoring to Closure by Natural Attenuation, Site Rehabilitation Closure, Permitting and Monitoring Well Abandonments (Project Manager/Project Geologist).
- **Town of Palm Beach's A 39 Wastewater Pump Station, Palm Beach, Florida:** (Project Manager/Project Geologist).
- **Seminole Tribe of Florida, Seminole Farms Brownfields Phase II Assessment, Big Cypress Reservation, Hendry County, Florida:** (Project Manager).

PERMITTING SITES

- **US Sugar Corporation's Clewiston Mill, Industrial Wastewater Permit Renewal, Clewiston, Florida:** Calculate and Balance Input of New and Recycled Water and Loss to/from Plant's In-situ Wastewater Processing System; Infiltration Testing and Hydrologic Modeling; Regulatory Conferencing and Negotiations to Resolve Permit Renewal Issues (Project Scientist).
- **Countryside Foods/Ardmore Farms' Beverage Processing Plant, Industrial Consumptive Use Permit Renewal, DeLand, Florida:** Confirmed Onsite and Alternative Off-site Water Sources, Evaluated Production Capacities of Onsite Water Sources; Prepared New and Recycled Water Balance Summary; Prepared Water Conservation Plan; Prepared Permit Renewal Application; Developed Justification for a Consumptive Use Allocation Increase; Regulatory and Client Communications and Negotiations to Resolve Permit Renewal and Allocation Increase Issues (Project Scientist).
- **Bernstein Trust - Alex's Junkyard Lease, Key West, Florida:** Application and Acquisition of Environmental Resource Permit for Waterside Property Redevelopment, Permit Team Manager, Prepared Storm Water Pollution Prevention and Control Plan, Emergency Response and Contingency Operations Plan, Prepared Harbor Sediment Dredge and Fill Permit Application, Interfacing and Negotiations with State and Federal Permitting Authorities (Project Manager).
- **Town of Palm Beach's Class III Landfills, West Palm Beach, Florida:** Operating Permit Renewals and Development of Scientific Support for Permit Variance Requests (Project Scientist).
- **US Development's JAXBulk Terminal, Port of Jacksonville, Jacksonville, Florida:** Environmental Resources Permits Research, Re-permitting Support (Project Scientist).

LANDFILLS

- **Biscayne Landing (former Munisport Landfill) North Miami, Florida, Boca Developers:** Monitoring and Pilot Remediation System Troubleshooting, Interfacing and Remedial Pilot Strategy Negotiations with Miami-Dade Department of Environmental Resources Management (Project Manager/Project Geologist).
- **Peerless-Dade Construction and Demolition Debris Landfill, Hialeah, Florida, Florida East Coast Industries:** Regulatory File Reviews, Ground-Truthing, Site investigation, Calculations of In-situ and Stockpiled Wastes and Stockpiled Recovered Screened Materials, Calculation of \$48 Million Cost for Closure and Preparation of an Inactive 400-Acre Construction and Demolition Debris Landfill for Planned Redevelopment to a Business Park (Project Manager/Project Geologist).
- **Avanti Center, Coramar Investments, North Miami, Florida:** former North Miami Beach, Construction and Demolition (C & D) Debris Landfill Re-development, Assessment and Long-term Monitoring of Landfill Impacts, Groundwater and Methane Monitoring, Interfacing and Monitoring Strategy Negotiations with Miami-Dade Department of Environmental Resources Management (Project Manager).
- **Target & Lowe's Retail Center, Target Corporation, Hialeah, Florida:** former Hialeah Speedway Re-development, former Construction and Demolition (C & D) Debris Landfill Impact Assessment Planning, Evaluation, and Long-term Monitoring, Groundwater and Methane Monitoring, Interfacing

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and Evaluation-Monitoring Strategy Negotiations with Miami-Dade Department of Environmental Resources Management (Project Manager).

- **Town of Palm Beach's Class III Yard Waste Landfills, West Palm Beach, Florida:** (Project Manager/Project Geologist).

SYMPOSIUM/CONFERENCE PROCEEDINGS

- Florida Remediation Conference Participant, 1997, 2000 – 2014.
- Florida Ground Water Association Annual Meeting and Trade Show, 2007, 2011, and 2013.
- Florida Brownfields Conference, 2013.
- Society of American Military Engineers, South Florida Chapter, US Army Corp of Engineers Contracting Opportunities Conference, 2012.

PROFESSIONAL DEVELOPMENT CREDENTIALS

- Electric Log Interpretation, Dresser Atlas Correspondence School, 1980.
- 40 Hour HAZWOPPER OSHA training, 1990.
- Applications of Fundamental Concepts and Field Techniques to Florida Groundwater Investigations, University of Florida TREEO 1991.
- Designing In-Situ Waste Recovery Systems, National Ground Water Association Training Seminar, 1991.
- Dade Environmental Resources Management and Florida Department of Environmental Regulation CAP, CAR, and RAP Requirements, National Institute for Storage Tank Management Training Seminar, 1993.
- ASTM Standard SOPs for Phase I ESAs and the Florida Environmental Assessors Association CFEA Exam, University of Florida TREEO, 1994.
- Florida Department of Environmental Protection and Local Agency Storage Tank Management, Compliance, and Cleanup Requirements, National Institute for Storage Tank Management Training Seminar, 1997.
- American Society for Testing and Materials Standards Phase II ESA Training, Florida Environmental Assessors Association, 2000.
- American Society for Testing and Materials Standards Phase I and II ESA Refresher Training, Florida Environmental Assessors Association 2001.
- Leadership Course, Environmental Compliance, Wetland Delineation 1 & 2, RedVector, 2003.
- Advanced Wetland Primer: Field Evaluation & Permitting Considerations, RedVector, 2004.
- U.S. EPA All Appropriate Inquiry Phase I ESA Training, Florida Environmental Assessors Association, 2005.
- Basic Geology and Groundwater, History of Well Construction, Well Development, Well Rehabilitation; Well Abandonment, International School of Well Drilling, 2005.
- Oil and Water Should Mix; Drilling Fluids; Septic Systems and Wells; E-permitting and Liquid Chemical Feeders, Florida Ground Water Association Annual Meeting and Trade Show, 2007.
- Water Well Contractors' Workshop, International School of Well Drilling, 2009.
- Water Management Districts Panel, Introduction to Solar Powered Pumping Systems, Water Well Maintenance & Rehabilitation, Solar Power Water Pumps and Pumping Systems, Dual Tube Sampling in a Single Boring, Using Drilling Fluids to Overcome Difficult Florida Down-Hole Conditions, Florida Ground Water Association Annual Meeting and Trade Show, 2011.
- Data Validation; Groundwater Hydrodynamics for Engineers and Scientists; Storm Water Management: An Introduction; Biofilters: A Natural Approach to Storm Water Pollutant Removal, RedVector, 2012.

EDUCATIONAL DEVELOPMENT

- Spring 2013 – Risk Assessment, NCSU graduate-level course EA 502
- Summer 2013 – Environmental Monitoring and Analysis, NCSU graduate-level course EA 504
- Fall 2013 – Environmental Stressors (Toxicology), NCSU graduate-level course EA 590
- Spring 2014 – Introductory Geographic Information Systems, NCSU graduate-level course GIS 510

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- Summer 2014 – Global Environmental Policy, NCSU graduate-level course PS 536

PRESENTATIONS

2010 - Environmental Liability for Risk Management Professionals, Risk and Insurance Managers Society

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AC# 6238102 STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL GEOLOGISTS SEQ# L12073103380

DATE	BATCH NUMBER	LICENSE NBR
07/31/2012	126001884	PG852

The PROFESSIONAL GEOLOGIST
Named below IS LICENSED
Under the provisions of Chapter 492 FS.
Expiration date: JUL 31, 2014

FISHER, MICHAEL ROBERT
17743 PINE NEEDLE TERRACE
BOCA RATON FL 33487

RICK SCOTT GOVERNOR DISPLAY AS REQUIRED BY LAW KEN LAWSON SECRETARY

STATE OF FLORIDA
WATER WELL CONTRACTOR LICENSE
Issued to
MICHAEL R. FISHER

License No. 11136 Expires 7/31/2015

Michael R. Fisher
DISTRICT CERTIFICATION OFFICER

EDUCATION

BS, Civil Engineering, University of Florida, Gainesville, Florida, 2000

PROFESSIONAL REGISTRATIONS/LICENSES

- Registered Professional Engineer: Florida (66922)
- Engineer in Training: Florida, 2000

PROFESSIONAL AFFILIATIONS

Florida Engineering Society, Palm Beach County Chapter

YEARS OF EXPERIENCE

Total: 13 years

SUMMARY OF QUALIFICATIONS

Alex Chatham, PE, brings more than 13 years of diverse experience ranging from project management of landfills, Phase I and II Environmental Site Assessments, contamination assessments, groundwater and soil remediation, storage tank removals, electrical transformer remediation, stormwater retention design and implementation, forensic potable water quality investigations, surface water quality sampling, gate control and pump system upgrades, installation and maintenance of hydrological flow monitoring sites, and hydraulic flow rating equation development and analysis. Mr. Chatham is experienced with all phases of project management including client interfacing, cost estimating, scheduling and implementation.

Mr. Chatham currently manages the Environmental Group at the CRA Wellington Office.

RELEVANT PROJECT EXPERIENCE

Florida Keys / Key West Projects

- **Garrison Bight Marina, Key West, Florida:** Tank Closure Assessment and Reporting, Source Removal Documentation, Testing, and Reporting, Planned and Performed Soil Sampling, Monitoring Well Installations, and Groundwater Monitoring on Active Rack Storage Marina, Interfacing with City of Key West Engineering for Right-of-Way Issues on Adjoining City Marina Property, Florida DOT Permitting for Monitoring Well Temporary Point of Compliance in Right-of-Way, Prepared Site Assessment Report (SAR), Florida DEP Interfacing and Negotiations, Conducted a Facility Inspection and Prepared a Spill Prevention Control and Countermeasure (SPCC) Plan, Pilot Tested Remediation Strategy, Executed Approved Remedial Action Plan (RAP), Phased Construction on Active Rack Storage Marina of a Network of Subsurface Soil and Groundwater Vacuum Piping Connected to Specialty-built Dual-Phase Extraction Treatment System.
- **Universal Dry Cleaners Phase I / Phase II Environmental Site Assessment, Key West, FL:** Due diligence Phase I Environmental Site Assessment for Residential Re-development, Regulatory Hazardous Waste Facility Enforcement File Review and Communications, Pre-Demolition Soil Sampling.
- **Universal Dry Cleaners Decommissioning and Cleanup, Key West, FL:** Former Dry Cleaner Site Decommissioning, Site Decontamination and Soil Sampling.
- **Former Tarmac Batch Plant LUST Assessment/Closure, Rockland Key, Key West, FL:** Assessments, Monitoring, and Regulatory Negotiations for Historic Leaking USTs, Well Installations and Monitoring, Soil & Ground Water Sampling, No Further Action (NFA) Closure.

Assessment

- ♦ Managed numerous Phase I and Phase II Site Assessments of developed and undeveloped properties

throughout Florida including large acreage agricultural properties, shopping centers, car dealerships, industrial properties, and ½-mile long corridor studies where impacted soils and groundwater were identified.

- ◆ Completed contamination assessments of heavy metals, chlorinated pesticides, petroleum, and solvents at agricultural properties, gas stations, dry cleaners, and industrial properties and other commercial establishments.
- ◆ Delineated petroleum-impacted groundwater and soil at multiple FPL Service Center sites, National Car Rental Facilities, and multiple private sites with funding provided by the Florida Department of Environmental Protection (FDEP) Preapproved Advanced Cleanup (PAC) and Preapproval program sites throughout Florida.

Remediation

- ◆ Designed and implemented Soil Vapor Extraction/Air Sparge (SVE/AS) Systems for multiple petroleum remediation projects throughout Florida.
- ◆ Designed and implemented an innovative cleanup technology for the treatment of petroleum-impacted groundwater using a proprietary surfactant called AQUA-KLEEN at National Car Rental Facility. This technology helped cut cleanup time significantly reducing its carbon footprint.
- ◆ Conducted multiple soil excavation projects involving multiple contaminants such as petroleum-related compounds, heavy metals, pesticides, and herbicides.
- ◆ Implemented, maintained, and evaluated the performance of groundwater remediation systems at multiple FPL Service Center Sites and car rental facilities throughout Florida.

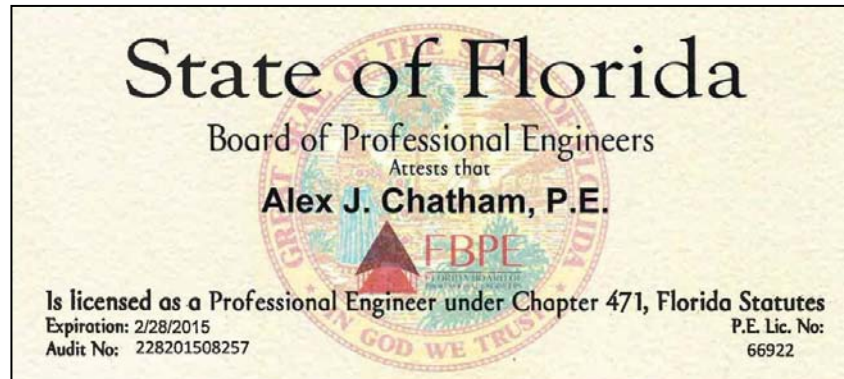
Port Authority Experience

- ◆ **Phase I and II Environmental Site Assessments, Port of Palm Beach, Riviera Beach, Florida:** Worked on the expansion and relocation of an approximately half-mile-long entrance road (13th Street) into the Port of Palm Beach, and an on-site parking lot expansion project.
- ◆ **Tank Closure Activities, Port of Palm Beach, Riviera Beach, Florida:** Tank closure activities were completed for a buried petroleum tank discovered during slip construction activities. The activities included tank and petroleum-impacted soil excavation, petroleum-contact water pumping from the excavation, and soil and groundwater sampling. No Further Action for the tank was ultimately approved by the Florida Department of Environmental Protection.
- ◆ **Surface Water Discharge Sampling, Port of Palm Beach, Riviera Beach, Florida:** As part of the Port's Master Drainage Permit, stormwater discharge sampling activities were completed on a semi-annual basis to evaluate the impact of the Port of Palm Beach's on-site activities to the Class III receiving waters of the Intracoastal Waterway.
- ◆ **Sediment Sampling, Port of Palm Beach, Riviera Beach, Florida:** Sediment sampling activities were completed on an as-needed basis in the Port's slips and turning basin to satisfy the Port's dredging requirements. This involved diving to a depth of approximately 20-feet and collecting sediment samples with a stainless steel coring device.

Additional Experience

- ◆ Designed and implemented a stormwater retention system for former dairy farm which subsequently reduced phosphorous loading to the Kissimmee River. Other improvements to the property included adding alum as a manure amendment to further reduce potential phosphorous runoff from the farm.
- ◆ Manage and maintains a network of hydrologic flow monitoring sites throughout Martin and St. Lucie County. The goal of the project is to ultimately reduce stormwater pollutant runoff to the St. Lucie Tributary System. Other work included completing quality assurance of data collected from the network of sites and submitting to the SFWMD for upload into their database called DBHYDRO.
- ◆ Managed the calibration of multiple pump stations throughout the Everglades Agricultural Area (EAA) using techniques such as the Pitot Tube, California Method, stream gauging, and dye dilution.
- ◆ Assisted large sugar mill with renewing their wastewater discharge permit with subsequent

- approval by the Florida Department of Environmental Protection.
- ◆ Conducted Copper Pipe Corrosion Study for local School District and subsequently provided recommendations for eliminating the source of copper corrosion.
- ◆ Conducted forensic potable water treatment study for water treatment plants in Melbourne, Florida and a food processing facility near Belle Glade, Florida.
- ◆ Currently manage 7 personnel in the Environmental Department of CRA's Wellington office.



Richard G. Lewis, PhD, PE, BCEE

ENVIRONMENTAL ENGINEER

EDUCATION

- PhD, Civil & Environmental Engineering, Massachusetts Institute Technology, 1994
- Graduate Course Work, Harvard Medical School & Harvard University
- MS, Civil & Environmental Engineering, Massachusetts Institute Technology, 1990
- BE, Civil & Environmental Engineering, Vanderbilt University, Magna Cum Laude, 1988
- BS, Physics, Centre College, Cum laude, 1988

PROFESSIONAL REGISTRATIONS/LICENSES

- Registered Professional Environmental Engineer: Florida (52009), 1997
- National Council of Examiners for Engineering & Surveying (32963)

PROFESSIONAL AFFILIATIONS

- American Chemical Society
- American Society for Civil Engineers
- American Society for Microbiologists
- American Society for Testing and Materials:
Environmental Fate of Chemical Substances (E47.06)
Risk Assessment: Human Health (E47.13)
- American Water Works Association
- Florida Engineering Society
- Interstate Technology & Regulatory Council:
Bioremediation of DNAPL,
Risk Assessment Resources,
Enhanced Attenuation: Chlorinated Organics, Incremental Sampling, Methodology, and Integrated DNAPL Source Strategy
- National Ground Water Association
- Contaminated Soils Forum
- National Society for Professional Engineers
- Society for Risk Analysis
- Water Environment Federation

YEARS OF EXPERIENCE

Total: 21 years
CRA: 18 years

SUMMARY OF QUALIFICATIONS

Dr. Richard Lewis manages the Fort Myers office and is responsible for the corporate environmental engineering department. Dr. Lewis either managed or had technical oversight on contracts with the Department of Energy, the Cities of Fort Myers and Tampa, NASA, Intel, and the Florida Department of Environmental Protection, among others.

He has volunteered his time to assist regulatory agencies through:

- He recently helped to re-start the Contaminated Media Forum, which replaced the Contaminated Soils Forum, of which Dr. Lewis was a member.
- Peer review of the FDEP Chapter 62-785 FAC, which contained the original risk-based regulatory values for soil and groundwater;
- Participation in the Enhanced Attenuation Chlorinated Solvents and Risk Assessment Resources teams of the Interstate Regulatory Council, which trains regulators nationally.
- Reviewer of ARAMS risk assessment model for the Army Corp of Engineers through the ITRC.

Dr. Lewis has over twenty years of experience in understanding the transport, detection, and control of chemicals and microorganisms in the environment. He has acted as a peer-reviewer for public and private clients on projects concerned with remedial design and risk assessment. He has developed microcosm studies, bench-scale studies, and pilot studies for clients such as FDEP, NASA, and Swerdlow Group for the purposes of understand contaminant degradation under a variety of conditions. Specifically, Dr. Lewis developed an *in situ* remedial method to convert ammonia in groundwater to nitrate and then nitrogen gas. He has developed and overseen the implementation of bench-scale protocols to assess the natural attenuation capacity of the subsurface, as well as a means to optimize biostimulation and bioaugmentation of chlorinated solvents.

Dr. Lewis recently developed Modified Active Gas Sampling, a novel technique to assess volatile contaminants in soil which is currently used by the State of Florida for its Drycleaning Solvent Cleanup Program.

RELEVANT PROJECT EXPERIENCE

- Most recently, Dr. Lewis conducted studies on the presence of hydrogen sulfide at numerous residences across the United States, with particular interest in Florida. The studies were concerned with the presence of reduced sulfur gases in air and water, for comparison with values collected at homes containing defective Chinese drywall.
- He administers the State of Florida Drycleaning Solvent Clean-Up Program contract, under which he is responsible for the technical design of remedial systems for many sites. Due to the nature of the Drycleaning Program, these sites are being remediated using innovative technologies (including co-solvent and surfactant extractions, reactive walls, various forms of chemical oxidation, dual-phase extraction, bioremediation, and zero-valent iron). He is also involved in research at USF for the purpose of better understanding the design and implementation of these remedial techniques.

Richard G. Lewis, PhD, PE, BCEE

ENVIRONMENTAL ENGINEER

- As project manager, Dr. Lewis prepared a combined document containing a remedial alternatives analysis for the impacted areas at the Young-Rainey Science, Technology, and Research Center (STAR Center) and the adjacent 4.5 Acre Site, with the goal being the development of a strategy that expeditiously brings the sites to regulatory closure. The Young – Rainey STAR Center is this nation's first successful conversion from a former U.S. Department of Energy defense manufacturing facility to a commercial, high technology center.
- In response to a request from Health Canada, CRA acted as the lead risk assessor for the site in developing short-term exposure values for chemicals of concerns within the community abutting a former Coke Oven and Steel Mill. Dr. Lewis was the project manager on site and reviewer of risk assessment and health-related documents for Health Canada on the Sydney Tar Ponds site. Dr. Lewis is currently acting as an expert witness for the Government of Canada in a \$1-billion class-action lawsuit associated with the site.
- Led efforts to remediate the Former Coal Gasification Area. The subject site consists of soils (impacted with PAHs, volatiles, and metals) in the soil stockpile and groundwater impacts emanating from the soil impacts. Residual soil impacts were remediated by bioventing, and groundwater was treated by natural attenuation after soil excavation. Over 10,000 tons of coal tar-impacted soils were excavated to a depth of 9 feet below original land surface. Instead of performing the expensive EPA Method 8270 analysis with a fast turn-around time, CRA used a new technology that allows PAH samples to be run every 10 minutes (with a detection limit of 0.5 mg/kg) in the field. Dr. Lewis presented the remedial plan to the Brownfields Advisory Board and to the community on numerous occasions to ensure community support for the project.
- Principal Engineer for the study of non-point source nutrient and fecal coliform contributors in Lee County, Florida. The goal of this project is to analyze the watershed of Lee County to identify the areas with the greatest potential for non-point source pollution in order to prioritize the implementation of nutrient and fecal coliform pollution abatement best management practices.
- Successfully implemented bioremediation programs for chlorinated solvent, petroleum hydrocarbons, and pesticides, and has a particular research interest in monitoring natural attenuation.
- Using lactate, Dr. Lewis has closed numerous sites impacted by chlorinated solvents. As a project manager, he has used innovative solutions to remediate chlorinated solvent sites, including reactive wall technology, co-solvent recovery, air sparging, chemical oxidation, and soil vapor extraction.
- Spent over five years conducting molecular biological research in a toxicology laboratory at the Massachusetts Institute of Technology, using this experience in the performance of risk assessments at a broad range of sites. Specifically, he developed a technique to detect epidemiologically significant levels of human pathogens in environmental samples using the polymerase chain reaction.
- He has acted as a testifying and non-testifying expert witness, in cases involving hazardous waste and petroleum products where contaminant transport, remediation, and risk assessment were a concern.
- Directed research concerning the differentiation of human and animal sources of pollution. He has developed an alternative detection method to that proposed in the Information Collection Rule (ICR) in the Safe Drinking Water Act. The method involved rapid sized-based filtration of pathogens and detection based on nucleic acid amplification, providing a more efficient recovery and lower detection limits. He has acted as a consultant to the Town of Truro, Massachusetts, concerning issues of animal versus human impact to shellfishing and recreational areas. He has acted as an expert witness in cases involving biological treatment of wastewater.
- Responsible for the development of transport and exposure models for use in risk assessments, and has completed over 30 risk assessments using federal, state, and ASTM Risk Based Corrective Action (RBCA) protocols on various sites owned or operated by large corporations including Intel Corporation; Chevron USA; Olin Chemical; and Conoco, Inc. This experience includes the use of risk assessment in the U.S. as well as internationally. Through integration of a risk assessment approach, over ten sites have been successfully closed as a result of his expertise and direction.
- Speaker of the topic of risk assessment. Selected by the Florida Department of Environmental Protection to review their risk assessment guidance for Brownfield sites, and has been consulted as an expert on risk assessment guidance for hazardous waste. Active in the development of the

Richard G. Lewis, PhD, PE, BCEE

ENVIRONMENTAL ENGINEER

brownfields, petroleum, and drycleaning rules through the Contaminated Soils Forum, where he serves in the Methodology Focus Group.

- Dr. Lewis is an accomplished computer modeler, and he has applied his expertise to projects involving complicated groundwater hydrogeology and multi phase contaminant migration.
- Invented the Modified Active Gas Sampling (MAGS) technique to detect volatile organic compounds in the subsurface in a statistically valid manner. Developed a MAGS manual for the Drycleaning Solvent Cleanup Program (DSCP). MAGS is currently the preferred method of unsaturated zone assessment in the DSCP.
- Designed DNAPL and dissolved-phase pilot studies to be implemented at LC-34 for NASA. The innovative technologies include co-solvent extraction using ethyl lactate, injecting methane and gaseous nutrients to induce co-metabolism, injection of lactate, and chemical oxidation used in conjunction with pressure pulse technology.
- Designed and implemented a soil blending strategy using activated carbon to reduce the leaching of pesticides in soil.
- Conducting a vapor intrusion study for the State of Florida to determine the need for additional regulation in the state.
- Conducting a Prospective Groundwater Study in the State of Florida to address concerns by FDACS and EPA over the fate of MSMA in Florida soils.
- Assessed and developed remedial action plans for numerous golf courses including both the areas in which herbicides and fertilizers were properly applied and in the maintenance areas.
- Obtained NFA designations for numerous sites containing metals and pesticide impacts.
- Conducted numerous bench-scale and pilot-scale tests concerning the fate and transport of arsenic in the environment.
- Designed and successfully implemented the first full-scale co-solvent extraction using ethyl lactate in the State of Florida. This site is one of the first full-scale co-solvent extractions using ethyl lactate in the world.
- As a project manager, he has used innovative solutions to remediate chlorinated solvent sites, including reactive wall technology, methane co metabolism, co solvent recovery, air sparging, chemical oxidation, and soil vapor extraction.
- Managed and provided the remedial design expertise on over five chlorinated solvent impacted sites that have received closure. Developed statistical techniques that have been used to successfully limit the cost of remediation to closure while remaining protective of public health
- Managed the design and upgrade of a tertiary wastewater treatment plant in Everglades City, Florida at which nitrate concentrations in effluent were a concern.
- Obtained three No Further Action designations for sites impacted with chlorinated solvents using lactate to remediate groundwater to below MCLs.
- Prepared guidance documents for Enhanced Attenuation of Chlorinated Solvents to be used to train State and Federal regulators through the Interstate Technology and Regulatory Counsel.
- Developed a soil sampling methodology to limit the vertical migration of contaminants for use a golf courses and pesticide-impacted sites.
- Developed conceptual design for foil column bench-scale study followed by pilot-scale study at the Munisport Landfill in North Miami Beach. The purpose of the soil column study was to determine the optimal conditions for ammonia and then nitrate removal from groundwater in situ. Based on successful testing, a prototype system is being constructed. The full-scale system is expected to be the first in situ system of its kind, and the largest remediation project in Miami.
- Reviewed and oversaw microcosm testing was performed for NASA (Cape Canaveral) to determine the potential for natural attenuation of TCE in groundwater. Several test conditions were selected to understand the influence on degradation rates of carbon addition (lactate) versus naturally available carbon under aerobic and anaerobic conditions. Currently, this information is being used to defend a strategy of source removal followed by natural attenuation to the EPA and FDEP.

Richard G. Lewis, PhD, PE, BCEE

ENVIRONMENTAL ENGINEER

- Developed and oversaw microcosm testing was performed for FDEP to determine the potential for bioremediation of PCE in groundwater with carbon addition. Several test conditions were selected to understand the feasibility of lactate addition for bioremediation.
- Negotiated a RCRA violation fine to one-third the initial value, performed an assessment under RCRA, and received a No Further Action designation for a chlorinated site in Fort Myers, Florida.
- Managed the development of numerous stand-alone, intranet, and internet environmental applications for such clients as NASA, City of Tampa, City of Fort Myers, Kodak, Sugar Cane Growers Association, and others.





SUMMARY

Mr. Collins has 18 years of experience in planning and managing complex industrial hygiene and environmental projects and investigations. As a Certified Industrial Hygienist, Mr. Collins has conducted and directed chemical exposure assessments and air sampling for a wide range of contaminants. Additionally, Mr. Collins has conducted a variety of OSHA-related activities, including noise surveys, hearing threshold shift counseling, respiratory fit testing, and general and local ventilation assessments. Most recently, Mr. Collins developed GLE's EPA-approved Lead Renovation, Repair, and Painting (RRP) training program. Mr. Collins is also an approved Lead RRP training instructor. Specially trained in mold assessment and remediation in buildings, Mr. Collins provides recommendations and remediation designs for the cleanup and removal of contaminants, including post remediation sampling.

As an EPA AHERA accredited asbestos inspector, management planner and project designer, Mr. Collins has conducted a multitude of asbestos surveys, developed asbestos management plans and designed technical specifications for large and small-scale asbestos removal projects. From 1999 through 2003, Mr. Collins concurrently served as the Lab Manager of a NVLAP accredited asbestos lab.

Mr. Collins currently serves two primary roles within GLE, his primary function is the corporate role of Principal CIH, providing senior technical support for IH, asbestos, lead, radon, Indoor Air Quality, training programs and safety related projects to all offices. Most recently, Mr. Collins revised the corporate Health and Safety Plan, developed the corporate Quality Assurance Manual, and has in the past developed two California-approved asbestos training courses. Mr. Collins' secondary responsibility is the overall administration of the Nashville, Tennessee branch of GLE. Mr. Collins is responsible for day-to-day operations, project management, business development, and employee development.

PROJECT EXPERIENCE

M-D Building Products: Mr. Collins developed and directed an industrial hygiene air sampling and occupational noise assessment for a national client within their Oklahoma and Georgia manufacturing facilities. The industrial hygiene air sampling included the collection of 192 industrial hygiene air samples. The noise evaluation consisted of area noise monitoring utilizing SPL meters, area noise monitoring utilizing noise dosimeters and personal noise monitoring utilizing noise dosimeters pursuant to OSHA regulatory requirements.

Mr. Collins also directed the performance of job safety analyses and confined space evaluations throughout the Georgia manufacturing facility. The job safety analyses consisted of a client-escorted comprehensive facility walkthrough and review of existing operations, procedures and employee functions in an effort to identify tasks that have recognizable associated hazards.

M-D Building Products was contacted by OSHA after completion of these IH compliance activities and requested the use of GLE's procedures and reporting as examples of "best industry practice."

University of Florida: Mr. Collins serves as a Certified Industrial Hygienist for an indefinite term contract for Indoor Air Quality and industrial hygiene services at the University of Florida. Services have included numerous projects, such as establishing baseline Indoor Air Quality data, industrial hygiene evaluations, conducting permit-required confined

YEARS OF EXPERIENCE

18

EDUCATION

Bachelor of Science Industrial Hygiene and General Chemistry, 1995, *University of North Alabama*

LICENSES

Asbestos Inspector
TN A-I-43628-28937

Asbestos Management Planner
KY P13-08-1916
TN A-MP-43628-28936

Asbestos Project Designer
AL APD0913525359
TN A-PD-43628-28935

Mold Assessor
FL MRSA73

CERTIFICATIONS

Certified Industrial Hygienist
Certified Indoor Environmental Consultant

TRAINING

Asbestos Inspector
Asbestos Management Planner
Asbestos Project Designer
HAZWOPER
Lead Renovator
OSHA 10-hour Training Course, A Guide to Voluntary Compliance,
OSHA 30-hour Training Course, General Industry Safety and Health



space entry procedures, directing the State of Florida DLES asbestos, lead and radon surveys and designing asbestos abatement work plans. Mr. Collins has performed building commissioning assessments as a quality assurance program intended to demonstrate that the buildings are constructed well and performed as designed. Building commissioning assessments typically include assessment of a new facility one-month prior to occupancy, one-month post occupancy and one-month prior to the contractor's one-year warranty expiration. These assessments included sampling for volatile organic compounds, formaldehyde, total and respirable dusts, radon, temperature, carbon dioxide and relative humidity.

School Board of Broward County: Mr. Collins served as one of GLE's project Certified Industrial Hygienist for a term environmental consultant contract with the School Board of Broward County, Florida. Included in the scope of this contract were asbestos, lead, mold and related Indoor Air Quality consulting services and remedial actions. Under this contract, Mr. Collins has completed projects, including asbestos inspection for AHERA compliance, asbestos abatement, industrial hygiene consulting, building envelope assessments, HVAC assessments, lead-based paint inspection, contamination assessments, remedial design, and emergency response.

Duval County School Board: Mr. Collins provided task management support for a county-wide comprehensive services contract throughout the Duval County School District (160 facilities). He conducted numerous Indoor Air Quality investigations; responded to occupant complaints; conducted HVAC inspections, air, water and soil sampling, tank closures, database development, emergency response to spills and microbiological sampling prepared reports, regulatory record keeping and presentation of findings to school groups. GLE provided emergency response services associated with water intrusions district-wide after the hurricanes of 2004, providing timely condition inspections, thorough analysis and cost-effective and appropriate recommendations.

Confidential National Retailer: Mr. Collins currently performs Industrial Hygiene support services throughout the southeast region of the United States for a confidential national retailer. He has performed and directed numerous asbestos surveys and condition assessments in support of the Client's asbestos management program, mold and water intrusion investigations, and chemical exposure assessments.

Nodarse & Associates, Inc. (Former U.S. Courthouse, Monroe Street, Jacksonville, FL): Mr. Collins directed the performance of pre-remediation microbial consulting services to determine the presence and extent of microbial contamination and delineate the scope of any needed remedial action that consisted of the following items: visual observations of the facility, including destructive sampling; air sampling using Zefon Air-o-Cell spore trap cassettes; environmental bacteria sampling; particulate sampling; moisture readings; photographic documentation of affected areas; and report with conclusions and recommendations. Mr. Collins performed project design services associated with project, including the preparation of a site-specific mold remediation technical specification. The design specifications included procedures for the preparation of the work area, the protection of the workers and the environment, proper removal and disposal of affected building materials, associated fine cleaning required after affected building materials had been removed, and post remediation inspection and sampling procedures. CAD drawings were also developed to compliment the technical specifications, indicating areas where microbial remediation was required.

PROFESSIONAL AFFILIATIONS

Academy of Industrial Hygiene
American Board of Industrial Hygiene
Indoor Air Quality Association – National Member
American Industrial Hygiene Association – National Member
American Industrial Hygiene Association Middle Tennessee Local Section President (2009); President-elect (2008); Treasurer (2007)



Manatee County: Mr. Collins provided senior project management and technical support for field assessment activities to adequately assess the Indoor Air Quality within the Manatee County Courthouse Building. Tasks included a complete area walkthrough and review of the HVAC systems. The HVAC system components were evaluated to determine the operational condition of the equipment related to optimum Indoor Air Quality conditions. Detailed observations and qualitative moisture tests were conducted of building materials suspected to have mold/water damage. Using nationally recognized protocols, numerous area measurements of temperature, microbial particulate sampling, moisture readings and relative humidity from within the subject area were obtained. Several area measurements of carbon dioxide (CO₂) were obtained from within subject areas. An evaluation of the building envelope was also completed. All exterior building materials, including door and window systems of this historic structure, were accessed to determine if they were contributing to moisture intrusion within the facility. GLE assembled all background information, sampling results and physical observations into a written report, containing formal findings, conclusions (diagnoses) and recommendations for appropriate corrective action(s). After the performance of the above scope of work, GLE was requested to perform a follow-up study. Mr. Collins provided senior technical assistance, including evaluation and interpretation of analytical data. This scope of work for the follow-up study included: walkthrough visual observations; Temperature / Relative Humidity Measurements, Carbon Dioxide Measurements; Microbial Sampling; Formaldehyde Sampling; Volatile Organic Compound (VOC) Sampling; Mycotoxin Sampling; Legionella Sampling; and Particulate Sampling.

Northrop Grumman/St. Augustine: Mr. Collins was field operations manager for extensive lead, asbestos and radon survey of military installations (six facilities, approximately 500,000 SF). He was also project designer for the asbestos abatement of 100,000 SF facility, managed contractor supervision and air monitoring services. As project manager responsible for air sampling program related to exposure monitoring for paint stripping product containing Methylene Chloride, he conducted numerous events consisting of time weighted average 8-hour exposures and short-term exposures.

Jacksonville Electric Authority (JEA): Mr. Collins provided task management, field operations and project management for various asbestos, lead-based paint surveys, exposure assessments for asbestos and lead, Polychlorinated Biphenyls (PCB) surveys, industrial hygiene assessments, (including sampling and analysis for chromium VI, nickel, vanadium, arsenic, total dust and respirable dust), Indoor Air Quality investigations/inspections, including fungal inspections and sampling, emergency response to disturbances of asbestos and lead containing materials and arsenic and fly ash sampling.

Blue Cross Blue Shield of Florida: Mr. Collins was task manager for comprehensive asbestos services projects including Client's AHERA-based Asbestos Management Program of multi-facility complex (Riverside Office Complex) encompassing greater than 500,000 SF. He also served as project manager responsible for project design, site personnel supervision and interface with client for multi-phase asbestos abatement projects including occupied spaces at the Riverside Office Complex.

Midway Island Naval Air Station: Mr. Collins was supervisor of removal procedures, safety meetings and associated air monitoring of a large-scale lead-based paint removal project.

AC# 6199865

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
MOLD-RELATED SERVICES LICENSING PROGRAM

SEQ# L12071201120

DATE	BATCH NUMBER	LICENSE NBR
07/12/2012	128007734	MRSA73

The MOLD ASSESSOR
Named below IS CERTIFIED
Under the provisions of Chapter 468 FS.
Expiration date: JUL 31, 2014

COLLINS, MICHAEL B
4300 W CYPRESS ST STE 400
TAMPA FL 33607

RICK SCOTT
GOVERNOR

DISPLAY AS REQUIRED BY LAW

KEN LAWSON
SECRETARY



organized to improve the practice of industrial hygiene
proclaims that

Michael B. Collins

having met all requirements of
education, experience and examination, and
ongoing maintenance,
is hereby certified in the

COMPREHENSIVE PRACTICE
of
INDUSTRIAL HYGIENE

and has the right to use the designations

CERTIFIED INDUSTRIAL HYGIENIST

CIH

Certificate Number 8476 CP

Awarded: July 3, 2003

Expiration Date: December 1, 2018



Michael B. Collins
Chair ABiH

Lynn C. O'Donnell
Executive Director ABiH



American Council for Accredited Certification

hereby certifies that

Michael B. Collins

has met all the specific standards and qualifications of the re-certification process, including continued professional development, and is hereby re-certified as a



**Council-certified
 Indoor Environmental Consultant**

This certificate expires on August 31, 2015.

Charles F. Wiles

Charles F. Wiles, Executive Director

0807014

Certificate Number

This certificate remains the property of the American Council for Accredited Certifications.



SUMMARY

Mr. Padgett has over 20 years of experience as an environmental, health and safety professional, with diversified consulting and management experience. He has developed and provided client-advocacy-related services for Indoor Air Quality (IAQ) assessment and remediation projects, including mold remediation, asbestos-containing materials and lead-based paint assessment and abatement projects, industrial hygiene sampling, health and safety assessments and compliance, and hazardous materials emergency response. He has a proven ability to deliver innovative and cost-effective solutions for a wide variety of clients. Mr. Padgett is a versatile manager with a comprehensive background in communication, problem solving, technical writing, and strong communication skills. He has managed various projects throughout the state of Florida involving clients such as attorneys, commercial and residential contractors, developers, major department stores, military installations, school boards, universities, and other private and governmental clients.

PROJECT EXPERIENCE

Industrial Hygiene Practice:

Mr. Padgett has conducted hundreds of investigations involving IAQ, industrial hygiene, ACM, water intrusion and mold-impacted building materials. He has been responsible for pricing work estimates, conducting assessments, preparing reports and abatement/remediation scopes of work, training staff, and project oversight.

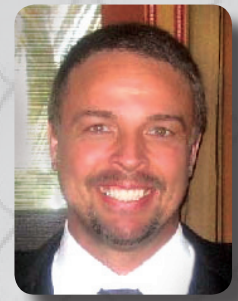
Hospital – Private Hospital in Miami Beach, Florida: Mr. Padgett managed a large scale assessment and mold remediation project at a hospital facility located in Miami Beach, Florida. Multiple operating rooms were impacted by water intrusion when a fire sprinkler supply line burst resulting in over \$1 million in damage and repairs. This project involved coordination of efforts and liaison activities between the general contractor, sub-contractors, building owner, insurance representatives and hospital administration.

Hospital – Public Health Trust Hospital in Miami, Florida: Mr. Padgett managed numerous assessment, abatement and remediation projects at a large public hospital in Miami, Florida. The projects included IAQ, bioaerosol, mold, asbestos, particulate, and transient (noxious) odors.

Hospital – Public Health Trust Hospital in Miami, Florida: Mr. Padgett conducted assessment and sampling activities at a large public hospital in Miami, Florida, in response to hospital administration concerns associated with fungal-based patient infections, and potential litigation. Post-remediation assessments and bio-aerosol sampling were performed following cleaning activities.

Florida Department of Transportation: Mr. Padgett has managed a portfolio of projects involving the sampling of bridge structures for ACM and painted components for the presence of cadmium, chromium, lead and zinc.

Florida Atlantic University: Harbor Branch Research Campus: Mr. Padgett managed the assessment of approximately 60 buildings at the Florida Atlantic University Harbor Branch campus. The assessment included surveys for ACM, mold-impacted building materials, moisture intrusion, IAQ and LBP and the preparation of technical reports outlining the assessment findings, conclusions and recommendations.



YEARS OF EXPERIENCE

20

EDUCATION

Bachelor of Science,
Environmental Science -
Florida International University

Graduate Coursework,
Environmental Science -
University of Florida

LICENSES

Mold Assessor
FL MRSA54

CERTIFICATIONS

Certified Indoor Air Quality
Professional (CIAQP)
Certified Indoor Environmental
Consultant (CIEC)

TRAINING

Asbestos Contractor/Supervisor
Asbestos Inspector
Asbestos Project Designer
NIOSH 582

PROFESSIONAL AFFILIATIONS

Institute of Hazardous Materials
Management



School Board of Broward County: Mr. Padgett managed assessment, repair and remediation activities as part of a mold and moisture intrusion term contract for the School Board of Broward County. The work included the assessment of building envelopes, development of technical reports recommending repair activities and price estimates, oversight of building envelope repairs, assessment of water intrusion damage and mold impacts and managing mold-impacted material removal and remediation activities. In addition, Mr. Padgett managed and performed numerous projects involving the inspection and sampling of school buildings for asbestos-containing materials, asbestos abatement oversight and air clearance testing.

Hospital – Public Health Trust Hospital in Miami, Florida: Mr. Padgett conducted assessment and sampling activities at a large public hospital in Miami, Florida, in response to hospital administration concerns associated with fungal-based patient infections, and potential litigation. Post-remediation assessments and bio-aerosol sampling were performed following cleaning activities.

Florida Department of Transportation: Mr. Padgett has managed a portfolio of projects involving the sampling of bridge structures for ACM and painted components for the presence of cadmium, chromium, lead and zinc.

World Trade Center Response - Phillips and Jordan/US Army Corps of Engineers: Mr. Padgett served as an initial responder and was appointed as shift leader for the World Trade Center Debris Recovery effort at the Staten Island Landfill. He managed the efforts of 12 industrial hygienists; safety monitors and professionals tasked with various health and safety assessment, monitoring and enforcement issues. The industrial hygiene monitoring included asbestos, silica, total particulates, metals, radiation, noise and illumination. Daily Health and Safety meetings averaged 200-300 workers per shift and included respirator selection, fit testing, and medical screening with pulmonary function tests.

CSX Railroad: Mr. Padgett served as initial responder on the environmental, health and safety team on an emergency response involving a ruptured 24,000-gallon tanker car containing vinyl chloride. The work included monitoring the health and safety of the workers, as well as potential exposures to adjacent neighborhoods during repair and neutralization activities.

The Club at Brickell Condominium: Mr. Padgett managed a \$1.2 million assessment and mold remediation project at a 46-story condominium located in downtown Miami, Florida. The building was impacted by water intrusion during construction activities. This project involved coordination of efforts and liaison activities between the general contractor, sub-contractors, building owner, building developer, unit owners, and attorneys.

Freedom Tower: Mr. Padgett managed a \$1.1 million assessment and mold remediation project in the 17-story historical Freedom Tower building located in Miami, Florida. The work included the assessment and removal of mold-impacted building materials.

Broward College: Mr. Padgett managed a comprehensive multi-campus ACM survey. The survey results were implemented into data for the purpose of tracking ACM at Broward College in Davie, Florida. The work included the assessment of buildings, preparation of technical reports, scheduling and coordination with asbestos abatement contractors, and budget estimates.

City of Fort Lauderdale: Padgett managed a comprehensive ACM survey for buildings owned by the City of Fort Lauderdale. The survey results were implemented into data for the purpose of tracking ACM. The work included the assessment of buildings, preparation of technical reports, scheduling and coordination with asbestos abatement contractors, and budget estimates.

THIS DOCUMENT HAS A COLORED BACKGROUND - MICROPRINTING - LINEMARK - PATENTED PAPER

AC# 6201605 **STATE OF FLORIDA**

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
MOLD-RELATED SERVICES LICENSING PROGRAM **SEQ# L12071301039**

DATE	BATCH NUMBER	LICENSE NBR
07/13/2012	128008426	MRSA54

The MOLD ASSESSOR
Named below IS CERTIFIED
Under the provisions of Chapter 468 FS.
Expiration date: JUL 31, 2014

PADGETT, RAFE
4300 W CYPRESS ST SUITE 400
TAMPA FL 33607

RICK SCOTT GOVERNOR KEN LAWSON SECRETARY

DISPLAY AS REQUIRED BY LAW



ACAC American Council for Accredited Certification

hereby certifies that
Rafe Padgett
has met all the specific standards and qualifications of the re-certification process, including continued professional development, and is hereby re-certified as a

CIEC
Council-certified
Indoor Environmental Consultant

This certificate expires on December 31, 2014.

Charles F. Wiles 0612071
Charles F. Wiles, Executive Director Certificate Number

This certificate remains the property of the American Council for Accredited Certification.

The Association of Energy Engineers
certifies that


CEE **Rafe A. Padgett** **CIAQP**

has completed the prescribed standards for certification, has demonstrated a high level of competence and ethical fitness for indoor air quality, and is hereby granted the title of

CERTIFIED INDOOR AIR QUALITY PROFESSIONAL

Expiration Date:
December 31, 2014

Rafe Padgett *Francine Desai*
C.I.E.E. Board Chairman C.I.E.E. Director



SUMMARY

Mr. Barroso's has over 12 years of experience. He has successfully performed and managed hundreds of projects, including environmental assessment and remediation, due diligence, regulatory compliance, solid waste, environmental health and safety (EH&S) and landfill development. He is very knowledgeable with Phase I and Phase II Assessments. Mr. Barroso is fluent in Spanish in business and technical terminology.

PROJECT EXPERIENCE

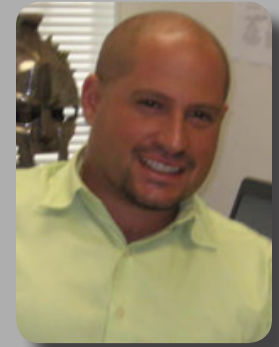
Port of Miami Tunnel Project (POMT) – Nicholson Construction: Prepared the Spill Prevention Control and Countermeasure Plan (SPCC) utilized during drilling and grout injection activities by Nicholson for the Port of Miami Tunnel Project (POMT). Developed the SPCC for maritime drilling activities on floating barges off Watson Island and Dodge Island. Worked closely with Nicholson Construction and Bouygues Civil Works Florida personnel during development and implementation of the SPCC Plan, which was submitted and approved by Miami-Dade County.

Branch Banking & Trust Company (BB&T) and JPMorgan Chase (Chase): Provided environmental consulting services to BB&T and Chase related to environmental assessment of properties throughout the State of Florida. Worked closely with risk management and environmental managers for these banks in the evaluation of potential environmental risks associated with various properties. Completed numerous environmental assessments including Transaction Screens and Phase I Environmental Site Assessments (ESAs) in accordance with American Society for Testing and Materials (ASTM) guidelines. Managed numerous limited Phase II ESA investigations and source removals in Florida for these banking clients.

Bass Pro Shops: Conducted an environmental compliance review of Bass Pro Shops facilities in the State of Florida. These compliance reviews identified potential non-compliance areas within the facilities as it relates to permitting, handling and/or storage of non-hazardous and hazardous materials, fuel storage and handling, local and state reporting requirements based on facility activities and more. Based on the findings of the compliance review, developed a Compliance Action Plan in order to achieve compliance with regulatory requirements and implement new procedures.

Private Client - Emergency Response and UST Closure: GLE was retained by a private Client to provide environmental consulting services due to the discovery of an abandoned underground storage tank (UST) during site development activities at a property located in South Florida. The property was located in an environmentally sensitive area adjacent to a protected waterway and mangroves, which required a swift, careful, and well thought out response to the discovered contamination. A prompt response plan was developed and subsequent assessment activities were performed which resulted in the effective removal of the contaminated soils so the construction activities could resume on schedule. The project approach involved the constant involvement and coordination of the project stakeholders including the Client and regulatory agencies. Coordinated with Collier County, U.S. Coast Guard, and FDEP officials from the onset of the project and provided an action plan for the mitigation of the onsite soil and groundwater impacts while protecting the adjacent environmentally-sensitive areas.

Choice Recycling Services of Miami: Client Service Manager for a Material Recovery Facility (MRF) and provided solid waste consulting services related to operational
LUCAS@GLEASSOCIATES.COM | GLEASSOCIATES.COM | 888.453.4531



YEARS OF EXPERIENCE

12

EDUCATION

Bachelor of Science Environmental Engineering - 2002
University of Florida

Minor in Business Administration - 2002
University of Florida

LICENSES

Professional Engineer
FL 68283

CERTIFICATIONS

Certified Hazardous Materials Manager (CHMM)

TRAINING

HAZWOPER

PROFESSIONAL AFFILIATIONS

Institute of Hazardous Materials Management



modifications, regulatory compliance, and other solid waste permitting issues. Managed nearly \$100,000 in total contracts and was responsible for leading Department of Environmental Resources Management (DERM) and Florida Department of Environmental Protection (FDEP) permitting efforts for commingled recyclable materials and construction and demolition debris (C&D). Permitting efforts involved preparation of engineering plans, interfacing with FDEP and DERM personnel, operations plan, FDEP Environmental Resource Permit (ERP), financial assurance, closure plans, and meeting zoning requirements. Coordinated with multiple county departments throughout the project and conducted soil and groundwater assessment activities of former industrial facilities within Opa-Locka Airport. Developed the scope of work based on Risk Based Corrective Action (RBCA) guidelines and FDEP Standard Operating Procedures (SOPs). Completed tank removal and closure activities for single-wall USTs at maintenance facility at the Tamiami Park Youth Fairgrounds.

Florida Power and Light – Miami-Dade County: Managed nearly a quarter million dollars of assessment, source removal, and reporting activities during 2010. As Project Manager for multiple electrical substations in Miami-Dade County, conducted soil and groundwater assessments for arsenic contamination from historical herbicide application. Was also responsible for oversight of soil and groundwater sampling for delineation and source removal activities. Provided technical oversight of source removal within active Florida Power and Light (FPL) substations within schedule and budget. Had experience with substation safety requirements for a variety of environmental tasks. Responsible for preparation of several technical reports for Miami-Dade County substations for submittal to Department of Environmental Resources Management (DERM) including Staff Assessment Reports (SARs), Remedial Action Plans (RAPs), and Source Removal Reports (SRRs). Developed sampling and source removal strategy based on 95% UCL guidelines and other risk factors. Implemented and managed a pilot test at an FPL substation involving in-situ chemical reduction of arsenic through a precipitation and adsorption agent (EHC).

Biscayne Landing (Former Munisport Landfill) – North Miami, Florida: Managed nearly \$200,000 in total contracts per year since 2009. Designed landfill gas (LFG) management systems and other environmental permitting issues for a billion dollar residential/commercial landfill redevelopment project by Boca Developers/Biscayne Landing, LLC in North Miami during 2007 and 2008. Directed permitting and LFG management system design efforts related to phased-development over former landfill including interfacing with Florida Department of Environmental Protection (FDEP) and Department of Environmental Resources Management (DERM) representatives. Completed a comprehensive revision of a site-wide methane gas management plan addressing methane monitoring action limits in habitable spaces, response protocols, and LFG management components based on construction methods (e.g. slab on grade, pile caps, etc.). Provided technical expertise for design of sub-foundation LFG management systems beneath multiple acres of both residential and commercial development on a former landfill. Experienced with all components of LFG management systems including passive venting, gas sensor placement, liner selection and evaluation, and other construction issues. Prepared yearly Financial Assurance Cost Estimate (FACE) to FDEP and grant draw requests.

Waste Management of Florida – Miami-Dade and Broward Counties, Florida: Conducted Phase I Environmental Site Assessment (ESA) and comprehensive compliance review of Material Recovery Facility (MRF) and Lakefill operation in Pompano Beach, Florida. Prepared a Source Evaluation Plan for submittal to Broward County in order to assess groundwater quality issues including iron, total dissolved solids (TDS), tetrachloroethylene/trichloroethylene (PCE/TCE), and ammonia for purchase of MRF. Broward County concurred with the conclusion identifying upgradient source of PCE/TCE due to typical daughter products identified in routine groundwater monitoring.

Community Asphalt Corporation, Inc. – Miami-Dade County: Responsible for management of permit-required semi-annual groundwater and surface water monitoring and ammonia assessment projects for lakefill site in Miami-Dade County. Managed approximately \$50,000 in contracts per year since 2007. Conducted soil sampling activities for soil (muck) reuse purposes on a US-1 expansion project near Florida City. Prepared a sampling plan and reviewed soil data for a potential reuse at Florida Power and Light (FPL) wetlands mitigation project, or for use as fill in residential development projects. Interfaced with Department of Environmental Resources Management (DERM) to obtain approval for use in a residential development project with minimum engineering controls. Completed an asbestos abatement project of a former FDOT bridge on the US-1 expansion project near Florida City.



AAR Aircraft Services (Formerly Avborne Heavy Maintenance) – Miami, Florida: Conducted a comprehensive environmental compliance review of a 250,000 square foot aircraft maintenance and painting operation located at the Miami International Airport (MIA) for adherence to Department of Environmental Resources Management (DERM), Florida Department of Environmental Protection (FDEP), and Environmental Protection Act (EPA) guidelines and regulations. Assisted and trained several company employees on best management practices (BMPs) and applicable regulations. Interfaced with DERM Airports and Contracts Section and Miami Dade Aviation Department (MDAD) representatives during the review process to achieve compliance in many areas related to MIA regulations. Produced the following plans and management tools for facility managers and staff: Stormwater Pollution Prevention Plan (SWPPP); Spill Prevention Control and Countermeasure Plan (SPCC); DOT Security Plan; Hazardous Waste Management, Tracking, and Strategies; DERM Industrial Wastewater (IW) permitting; DERM Volatile Organic Compounds (VOC) Emissions Permits; Hazardous Waste Stream Analysis and Characterization; and Superfund Amendments and Reauthorization Act (SARA) Tier II Reporting.

State of Florida

Board of Professional Engineers

Attests that

Lucas Alberto Barroso-Giachetti, P.E.

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

Expiration: 2/28/2015

Audit No: 228201519986

P.E. Lic. No:

68283

Institute of Hazardous Materials Management

This certifies that

Lucas A. Barroso-Giachetti

*has successfully met all the requirements of education,
experience and examination, and is hereby designated a
Certified Hazardous Materials Manager®*

June 2006

Date of Certification

13849

Credential Number

June 30, 2017

Certification Expires

Executive Director



Valid so long as this credential is renewed.



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Disadv. Affiliation
GLE Association, Inc.
18812

Certificate of Completion

This is to certify that

Lucas Barroso-Giachetti

has been tested and successfully meets the training requirements for

8-Hour HAZWOPER Refresher

as per 29 CFR 1910.120(e)

Presented

Friday, April 11, 2014

Compliance Solutions Occupational Trainers, Inc.

Neval Gupta
Vice President

Jeffrey Kline
President/CEO

Certificate Number: 754877212

Hans J.M. Wilson, P.E. – President

Hans is the principal engineer and owner of Hans Wilson & Associates, Inc. Educated as an Ocean Engineer (BSOE '81) at Florida Atlantic University, Hans secured his Florida Professional Engineer license in 1988. Hans' principal focus has been in the marine environment, designing a mix of hard structures (e.g. marina's, revetments) and marine habitats to complement those designs and improve water quality. Current responsibilities include: site investigations and habitat analysis; planning and engineering design; local, state, and federal regulatory permitting; construction administration related to marinas, docks, dredging, seawalls, revetments, mitigation sites, and habitat restoration. Specific responsibilities and expertise include development feasibility studies, project management, regulatory permitting, development of construction plans and specifications, design and analysis of hydrodynamic surveys, modeling of flows and flushing within marina basins and waterways, assessment of benthic habitats, analysis of environmental impacts, regulatory variances, expert witness testimony, and compliance monitoring.

Hans is responsible for overseeing all reports and data interpretation related to environmental resource permitting, development suitability reports, and site inventories. Hans has been accepted as an expert in marina design, permitting, and enforcement issues relative to local, state and federal permitting agencies. Hans has been qualified as an expert witness with the Department of Environmental Protection, the South Florida Water Management District, the City of Sanibel, the City of Bonita Springs, and Lee County for a variety of projects related to environmental and marina consulting.

Education: B.S. - Ocean Engineering/Florida Atlantic University, 1981.

Registration: License Professional Engineer #39680, State of Florida, 1988
Certified Engineer Intern No.481ET266, State of Florida, 1982

Elected Position: Captiva Erosion Prevention District Commissioner (1985 – 1988)

Certifications: N.A.U.I. certified Sport Diver – 1977
U.S. Merchant Marine Officer (OUPV) - 2002
Notary Public, State of Florida - 2011

Affiliations: Southwest Florida Marine Industries Association – President
Marine Industries Association of Florida –Vice President
RESTORE Act Advisory Committee
Florida Engineering Society
Lee County Coastal Advisory Council
Florida Boating Advisory Council – by Governor Scott
Ecological Society of America

Continuing Education (last five years):

Qualified Stormwater Management Inspector (May 2013)
Shop Drawings & Construction Submittals: Legal and Engineering Perspectives (June 2012)
Stem to Stern II- Boating and Waterway Management in Florida (May 2012)

Changes and Updates to Florida Building Code (FBC) and FEBC (2012)
Florida Engineering Society: Florida Laws and Rules (2011)
Florida Engineering Society: Excelling as an Expert Witness (2010)
Toastmasters International: Success Communication & Success Leadership (2010)
Florida Fish and Wildlife Conservation Commission & U.S. Fish and Wildlife Service: Marine Turtle Exterior Lighting Seminar (2010)
Contract Solutions Group: Issues and Concerns in International Project

Representative Professional Experience:

Since the inception of Hans Wilson & Associates, Inc. in 2000, Mr. Wilson has been involved in over 900 projects that have included coastal engineering, marine engineering, and related waterfront developments. The following summarizes Mr. Wilson's extensive project experience in areas relevant to Key West's Coastal Engineering scope of work:

- **Coastal Engineering** (establishment of Coastal Construction Control Lines)—**21 projects**
Captive
- **Depth Surveys, Resource Mapping, and Navigational Improvements (principally dredging)**—**60 projects**
 - 2 projects, North Fort Myers
 - 4 projects, Bonita Springs
 - 26 projects, Fort Myers
 - 6 projects, Port Charlotte
 - 4 projects, Boca Grande
 - 5 projects, Fort Myers Beach
 - 5 projects, Captiva
 - 1 project, Cape Coral
 - 2 projects, Estero
 - 1 project, Coral Gables
 - 1 project, Punta Gorda
 - 1 project, Bonita Springs
 - 1 project, Bradenton
 - 1 project, Bokeelia
- **Feasibility Studies associated with Water Access Facilities**—**59 projects**

Most of these studies have resulted in projects. The studies listed include assessing options for beach erosion conditions, marina siting, waterfront facilities renovation, and waterway improvements.

 - 1 project, Key West
 - 2 projects, Bahamas
 - 8 projects, Bonita Springs
 - 1 project, Estero
 - 2 projects, Port Charlotte
 - 8 projects, Captiva
 - 3 projects, Fort Myers Beach
 - 24 projects, Fort Myers
 - 1 project, Boca Grande
 - 1 project, Clearwater
 - 2 projects, Naples

2 projects, Punta Gorda
1 project, Bokeelia
1 project, North For Myers
2 projects, Sanibel

- **Site Specific Hydrographic Surveys—17 projects**

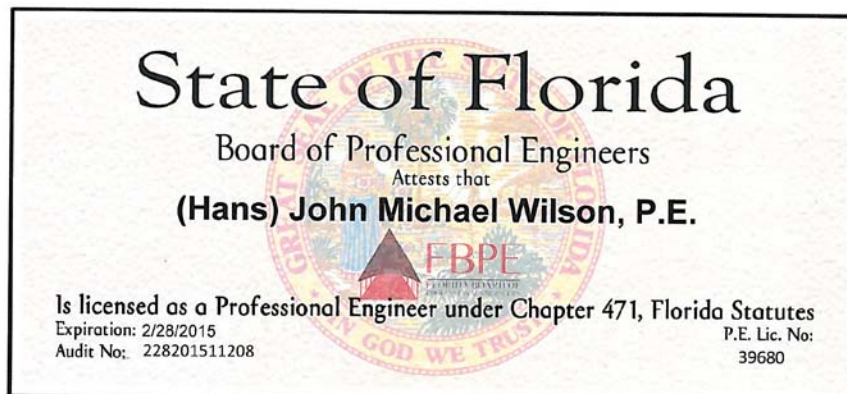
The purpose of these surveys was to assess water quality and flushing conditions. Most projects were associated with permitting for waterfront access (i.e., marinas, multi-family docks) and incorporated the use of current meters, marking dyes, and aerial photography.

1 project, Key West
1 project, Port Charlotte
1 project, Englewood
1 project, Sanibel
1 project, Englewood
9 projects, Naples
2 projects, Marco Island
1 project, Everglades City

- **Waterfront Docking Facilities—78 projects**

These projects include multi-family docks, commercial marinas, industrial marine sites, boatyards, parks, and mixed use facilities.

5 projects, Captiva
4 projects, Port Charlotte
6 projects, Bonita Springs
4 projects, Cape Coral
1 project, Hernando Beach
17 projects, Fort Myers Beach
16 projects, Fort Myers
3 projects, Labelle
4 projects, Punta Gorda
1 project, Englewood
3 projects, Sanibel
3 projects, Bokeelia
5 projects, North Fort Myers
1 project, Puerto Rico
1 project, Costa Rica
1 project, Boca Grande
3 projects, Naples





Marine Engineers and Environmental Consultants

David E. McKee, P.E. – Project Engineer

Mr. McKee has over 36 years' experience in civil engineering. His consulting experience is extensive in the areas of residential and commercial/industrial development, site planning/zoning/land use, drainage and storm water management, utility design, municipal engineering, and related activities. He has worked both as a municipal engineer and for the private sector on these types of projects; has owned and managed consulting firms; and worked for statewide and nationwide firms at various locations in the eastern United States. His experience ranges from detailed design and permitting efforts on public and private sector projects to overall management of large engineering projects and Planned Developments, including the management and coordination of project teams, preparation of various submittal components and participation in public hearings. Mr. McKee has served on the Board of Directors at Bonita Springs Utilities, Inc. for over ten years, including four years as President, and has experience in utility operations, costs and financing, long range planning, capital improvements programs and employee requirements.

Registrations:

Professional Engineer, North Carolina No. 009823
Professional Engineer, Florida No. 38347
Professional Engineer, Pennsylvania No. 33017-E

Education:

B.S. Degree, Civil and Environmental Engineering Clark University

Affiliations:

Member and Past President, Board of Directors, Bonita Springs Utilities
Lee County, FL Citizens Advisory Committee Member
Board of Directors, Bonita Springs Assistance Office
Member and Past President, Rotary Club of Bonita Springs Noon

Partial Project Listing:

- ♦ City of Bonita Springs, FL – Design and permitting of Marni Fields, a multi-field soccer and recreation facility.



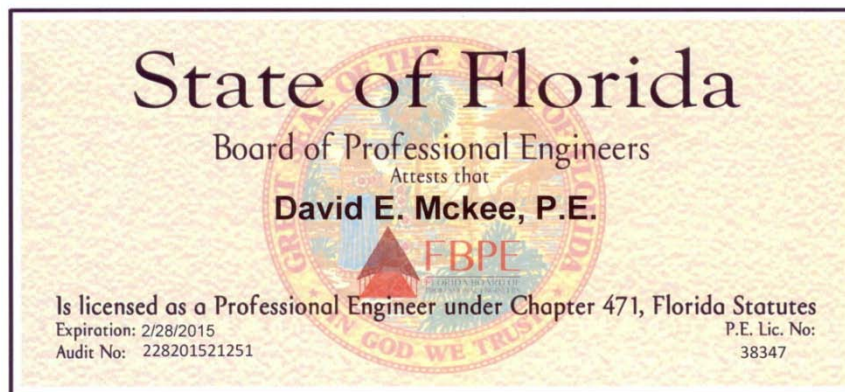
Marine Engineers and Environmental Consultants

- ♦ Section 10, Lehigh Acres, Lee County, FL – Master Planning, rezoning, design, and permitting activities for 625-acre/1750 unit residential development with 36 acres of commercial property, a park and potable water facility site. Efforts included complete preparation of the rezoning application, coordination of the project team, work with County staff and public hearings.
- ♦ 2 X 4 Ranch/Lakes of DeSoto, DeSoto County, FL – project management for approximate 6000 acre project including oversight of project team, work on DRI and comprehensive plan amendment, preliminary design activities, cost estimates and utility planning.
- ♦ Hawk's Haven, Lee County, FL - Rezoning, design, and permitting activities for 1,800-acre/1600 unit residential site with two golf courses. Efforts included Development Order approval, SFWMD and COE permitting, off-site and on-site utility design and permitting and state roadway improvements.
- ♦ Stolle Parcel, Lee and Charlotte Counties, FL – Complete due diligence study for 2700 acre parcel, including coordination of project team, site planning activities, interstate interchange evaluation, permitting and approval outline, preliminary construction cost and revenue estimates, and pre-application meetings with agencies.
- ♦ Bonita Bay, Bonita Springs, FL – Design, permitting and construction coordination and inspection activities for numerous multi-family projects, including roadway, stormwater, water, and wastewater systems.
- ♦ Bermuda Gardens/Pointe/Ridge, Bonita Springs, FL - Design, permitting, and construction coordination for a total of 200 multi-family units.
- ♦ Port Sanibel Marina, Fort Myers, FL - Design and permitting for a multi-use residential and commercial project, including dry boat storage facilities.
- ♦ Lofton's Island/Pleasure Key, Fort Myers, FL – Design and permitting of a subaqueous directional bore for utility installation.
- ♦ Montgomery County, PA – Study, evaluation and implementation of a municipal solid waste recycling program for 125,000 residents of the County.



Marine Engineers and Environmental Consultants

- ♦ Syracuse, NY – Coordination of repair program recommendations and preparation of the final report for an existing sanitary sewer system study encompassing 650 miles of sewer. Total project budget was \$3 million over the 5-year program.
- ♦ Woodbridge, VA – Design of belt filter press sludge dewatering system for 4 MGD municipal sewage treatment plants.
- ♦ Queen Anne’s County, MD – Electrical design for all components of a 1.0 MGD sewage treatment plant expansion.
- ♦ Bucks County, PA – Design of a 7-mile large diameter water transmission main from the Delaware River to the Limerick nuclear generating facility.
- ♦ Lenoir, NC – Evaluation of 50,000 gpm industrial raw water supply system and design activities for improvements.
- ♦ Morganton, Lenoir, Maiden, NC – Wastewater flow monitoring programs for treatment plant expansions/upgrades as well as sanitary sewer rehabilitation/improvements.



Theresa F. Cauthen, E.I. - Project Manager / Ocean Engineer

Theresa has over 10 years of experience in the structural analysis and design of waterfront facilities. She has an understanding of the design and construction of docks, seawalls, bulkheads, launching facilities, revetments, dredge material management sites, stormwater management systems, and water control structures. She is also experienced in Coastal Construction Control Line permitting as well as numerical flood zone modeling. Her current responsibilities include the coordination of federal, state, and local permitting; layout and design of waterfront developments; creation of construction project documents and plans; formation of opinions of probable cost; development of marina management plans; construction administration duties; and preparation of engineering reports. Theresa assists with communication between the clients, contractors, and other consulting engineers regarding permitting, design, and construction details. She is responsible for the critical design and review of structural and volumetric calculations. Theresa is also responsible for tracking project budgets and schedules.

Education: Bachelor of Science in Ocean Engineering with a Minor in Mathematics from Florida Atlantic University – 2002

Registration: State of Florida Engineer Intern, #1100007905, June 2002
Qualified Stormwater Management Inspector; Florida Department of Environmental Protection, #7905, October 2004
University of Wisconsin-Madison Department of Engineering Professional Development - Docks and Marinas, October 2006

Affiliations: Florida Engineering Society – President Calusa Chapter 2014-2015
National Society of Professional Engineers
Society of Women Engineers
PADI Open Water Diver

Awards: FES Calusa Chapter Young Engineer of the Year 2012-2013

Representative Professional Experience:

- ♦ Construction Plans and Specifications – Tarpon Pier – Key West
- ♦ Seawall Replacement Design, Construction Plans and Specifications – Sunset Harbor RV Park, Stock Island
- ♦ Thirty year erosion projections (numerous) – North Captiva
- ♦ Erosion profiles for CHAMP modelling – Naples
- ♦ WHAFIS model – FEMA Letter of Map Revision – Charlotte County
- ♦ Emergency Sand Bag Installation and House Relocation – North Captiva
- ♦ Public Dock Renovation – City of Ft. Myers
- ♦ Seawall Renovation Design Options – Oasis Condominium, Ft. Myers, FL

JANNEK CEDERBERG, M. SC., P.E.
Principal

As Principal, Mr. Cederberg is responsible for all engineering production including scheduling, resource allocation, and quality management.

Mr. Cederberg has extensive experience in planning, designing and permitting coastal and marine development projects with an emphasis on achieving a waterfront experience characterized by a strong connectivity between the water and upland environment. Mr. Cederberg is formally trained as a coastal engineer from the Technical University of Denmark with more than ten years of experience in marine field investigations, hydrodynamics, linear and nonlinear wave dynamics, sediment transport, hurricanes, numerical modeling, coastal structure design and environmental permitting. He is a registered professional engineer in the United States and has completed engineering analyses, designs and permitting for a variety of shore protection, beach nourishment, river, cruise-ship, marina and waterfront projects throughout Florida, the Caribbean and Central America. He has prepared construction plans and specifications for shore protection works including jetties, beaches, groynes, revetments, breakwaters, bulkheads and marinas. Additionally, Mr. Cederberg has been selected to participate in several expert groups to develop industry guidelines.

Prior to founding Cummins | Cederberg, Mr. Cederberg was employed by medium sized engineering consulting firm in South Florida for seven years – the last three as Head of the Engineering Department. He has also worked for two consulting engineering firms in Denmark, in their Marine and Foundation Engineering Department and Port and Hydraulic Division, respectively.

Representative Project Experience

Maranu Luxe Bungalow and Spa Resort, Marathon

CLIENT: Earthmark Companies

Coastal engineering analysis of resort exposed to flooding. Design waves and flood conditions were established. Scour analysis was conducted relative to piles and vertical walls. FEMA criteria evaluated and analyses conducted to meet FEMA standards.

Fort Zachary Taylor State Park, Key West, Florida

CLIENT: DEP State Parks

Above and below water inspection of breakwaters, terminal groin, as well as topographic survey to accurately identify rock displacement and settlement. Coastal engineering design and environmental permitting for truck-haul beach fill project. Construction administration of beach project.

EDUCATION

M. Sc, Coastal Engineering, Technical University of Denmark

LICENSURE

Professional Engineering, FL

PROFESSIONAL AFFILIATIONS

Permanent International Association of Navigation Congresses (PIANC) since 2003

Member of PIANC Working Group 134 – “Design and Operational Guidelines for Superyacht Facilities”

Member of PIANC Working Group 149 – “Guidelines for Marina Design”

Danish Society of Hydraulic Engineering

Urban Land Institute

South Florida Association of Environmental Professionals

American Institute of Architects

American Society of Civil Engineers

PUBLICATIONS

“Numerical Modeling of Non-Linear Waves using the Multigrid Method”, Jannek Cederberg, M. Sc. And Patrick Grode, M. Sc.

“Miami-Dade Morphological Changes at the 32nd Street Breakwater Project,” Jannek Cederberg, M. Sc., R.H. Sasso, P.E., and Brian Flynn, Proceedings of the 2005 National Conference on Beach Preservation Technology

Mandalay Marina, Key Largo**CLIENT:** Earthmark Companies

Coastal engineering analysis of resort exposed to flooding. Design waves and flood conditions were established. Scour analysis was conducted relative to piles and vertical walls. FEMA criteria evaluated and analyses conducted to meet FEMA standards.

Costa Brava Marina, Miami Beach, Florida**CLIENT:** Costa Brava Condominium Association.

Environmental permitting for reconstruction of a 30-slip marina in Biscayne Bay through local, State, and Federal agencies (DERM, FDEP, and USACE). Engineering support through construction bid process, including bid evaluation, contractor selection and construction administration.

Sunset Harbour Yacht Club, Miami Beach**CLIENT:** Sunset Harbour Yacht Club

The project included repairs of concrete slabs, caps and piles for 125 slip marina located in Biscayne Bay Aquatic Preserve with includes strict environmental guidelines. A marine resource assessment was conducted to assess potential impacts. Pre-application meetings were conducted with environmental agencies to understand primary concerns and potential impacts on schedule. Environmental permit applications were prepared and processed with the Miami Dade County Regulatory and Economical Resources Department, Florida Department of Environmental Protection and US Army Corps of Engineers. Building permit was obtained with City of Miami Beach. Detailed repair drawings were prepared with specific criteria to minimize impacts to marine resources and water quality. Construction administration services were provided to ensure construction was conducted according to construction documents and environmental permits.

Crandon Marina Sedimentation Study, Key Biscayne**CLIENT:** Miami Dade County Parks, Recreation and Open Spaces

The Project included analysis of an ongoing sedimentation issue in the marina and potential impacts including design of coastal structures to eliminate sedimentation. The design of the structures was complicated, as the site is located within Biscayne Bay Aquatic Preserve and marine resources were present. A marine resource survey was conducted identify and delineate areas of marine resources. Coastal structures were designed to eliminate the sedimentation and avoid impacts to nearshore marine resources. Environmental permit feasibility and strategy were established relative to the various agencies. Cummins Cederberg was subsequently selected to finalize the design and obtain approvals from the various environmental agencies.

Carrs & Little Bay Port and Waterfront Development, Montserrat**CLIENT:** Government of Montserrat

Cummins Cederberg serves as marine advisor for the Government of Montserrat for \$100M+ port and waterfront development. The development consists of cruise ship and cargo vessel berthing, 50+ slip marina, river stabilization, waterfront promenade and beaches. Provide technical engineering support through consultant tender process, planning and engineering design, including review of numerical modeling techniques, coastal and marine structure design. Assisted in navigation review and optimization through real time 360- degree simulation of cruise ships and cargo vessel. Provided recommendations to value engineer designs, reduce cost and increase efficiency.

Cap Cana Marine Works, Punta Cana, Dominican Republic**CLIENT:** Cap Cana Development

Coastal engineering design for the dredging of 1.25-mile canal to create basin for 500+ slip marina, including retaining wall design and blasting specifications. Design of shoreline stabilization, beaches, entrance channel jetties, numerical modeling of coastal processes and hydrographic surveying. Water circulation analysis of marina and canal layout.

Island Gardens Mega-Yacht Marina, Miami, Florida**CLIENT:** Flagstone Properties

Design and environmental permitting for 50-slip mega-yacht marina on Watson Island as part of \$600M site redevelopment. Engineering design of dredging, fixed piers, and wave attenuators for vessels up to 450' long.

Turks and Caicos Sporting Club, Ambergris Cay, Turks & Caicos**CLIENT:** Ambergris Cay Partnership

Performed hydrographic and GPS control surveys for island planning and lot layouts. Provided engineering design of coastal works including entrance channel, dredging, marina and RO/RO platform for shipments to remote island. Preparation of blasting performance specifications relative to geotechnical and environmental constraints.

Village of Key Biscayne Beach Nourishment, Key Biscayne, Florida**CLIENT:** Village of Key Biscayne

Coastal engineering and environmental permitting for 120,000 cy beach fill and dune restoration project. Beach profile and hydrographic surveys conducted, along with sand source search, jet probes, vibracores, and sediment compatibility analysis. Coordination of dune vegetation planting and exotic removal plan.

Crandon Park Marina, Key Biscayne, Florida**CLIENT:** Miami-Dade County Parks, Recreation and Open Spaces

Field investigations including bathymetric surveying, tide and current measurements, marine resource survey, and sediment sampling. Tidal hydrodynamic modeling along with wave and sediment transport analyses conducted to determine source and magnitude of marina sedimentation problem. Alternatives assessment of potential coastal structures to inhibit sedimentation and need for periodic dredging.

Hillsboro/Deerfield Beach Restoration, Broward County, Florida**CLIENT:** Town of Hillsboro Beach

Coastal engineering and environmental permitting for 375,000 beach fill project. Performed beach profiles, hydrographic surveys, aerial photography and monitoring.

Regional Sediment Transport Study, Miami Beach, Florida**CLIENT:** Miami-Dade County

Shoreline and sediment transport studies performed on the coast of Miami-Dade County between Bakers Haulover Inlet and Government Cut. Numerical modeling conducted utilizing Danish Hydraulics Institute (DHI) MIKE 21 and LITPACK software to simulate waves and nearshore coastal processes.

Rybovich Spencer Boatyard, West Palm Beach, Florida**CLIENT:** Rybovich Spencer

Coastal design criteria for fixed and floating dock structures, including an integrated wave attenuator. Numerical wave and hydrodynamic modeling. Evaluation of flushing characteristics and water quality for proposed marina design. Simulation of current velocities at the entrance and evaluate navigation.

Great Stirrup Cay Development, Berry Islands, Bahamas**CLIENT:** Norwegian Cruise Line

Site investigations, engineering analyses and master planning for cruise ship private island destination improvements to accommodate 5,400 passenger cruise ships. Evaluated coastal processes, potential cruise ship pier island infrastructure improvements, and beach design concepts.

South Cat Cay Development, South Cat Cay, Bahamas**CLIENT:** South Cat Cay Development

Design of land reclamation, beach improvements and 150 slip marina for 80-acre private island development. Extreme wind and wave conditions were determined along with preparation of preliminary flood map.

Vertical Yacht Club at Marina Mile, Fort Lauderdale, Florida**Client:** Vertical Yacht Club Development, LLC

Prepared design of bulkhead and docks for boats up to 70 feet for the redevelopment of the Vertical Yacht Club marina facility located on the New River in Fort Lauderdale. Prepared engineering studies and communicated with environmental agencies relative to project approval. Conducted a site specific flushing analysis to assess potential impacts of dredging on water circulation and quality.

Rickenbacker Causeway Recreational Area, Miami, Florida**CLIENT:** Miami Dade County

Design of shoreline stabilization and associated public recreation area improvements along 2.5 miles of shoreline of the Rickenbacker Causeway across Biscayne Bay. Marine resource and hydrographic surveys completed, and coastal engineering analysis conducted to assess design wave conditions, sediment transport and optimum shoreline stabilization methods. Design elements included landscaping, invasive species removal with native species restoration, parking improvements, stormwater management and vendor kiosks for waterfront activities.

Museum Park, City of Miami, Florida**CLIENT:** City of Miami

Planning of marine amenities and environmental permitting feasibility study completion relative to a proposed marina, marine exhibit area and other public amenities along the shoreline and within a basin on Biscayne Bay as part of the proposed \$60 million Museum Park improvements project.

Goldeneye, Oracabessa, Jamaica**CLIENT:** Implementation, Ltd.

Hydrographic survey and tidal study of Oracabessa Bay for proposed coastal development. Statistical analysis of historical wave data to develop deep-water wave conditions. Wave and hydrodynamic numerical modeling. Engineering design of coastal structures, timber docks and piers, as well as steel sheet pile bulkhead.

Rancho Grande, Cartagena, Colombia**CLIENT:** Royal Group

Site assessment and feasibility study of 2,000 acre development project located along the Caribbean coast of Colombia. Extreme offshore wind and wave conditions were determined along with analysis of coastal processes at the project site. Multiple waterfront designs were provided ranging in overall construction costs and phasing opportunities.

Marina, Coconut Grove, Florida**CLIENT:** Confidential

Above and below water structural inspection of concrete and timber dock structures, as well as the utilities of a 100+ slip marina. Compiled inventory of structure elements (i.e. caps, deck slabs, piles, etc.) with condition rating and repair recommendations. Prepared engineering report to document investigation along with cost estimate for recommended repairs.

Port of Roatan Cruise Terminal, Roatan, Honduras**CLIENT:** Royal Caribbean Cruises, Ltd.

Design of reclamation and shore protection for cruise terminal expansion. Numerical modeling of hurricane, storm surge, and wave propagation.

State of Florida

Board of Professional Engineers

Attests that

Jannek Cederberg, P.E.



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

Expiration: 2/28/2015

Audit No: 228201517135

P.E. Lic. No:

69839

JASON CUMMINS, M. SC., P.E.

Principal

Mr. Cummins, Principal and co-founder of Cummins | Cederberg, is a Coastal Engineer by trade with significant experience in the planning, engineering design and environmental permitting of coastal and waterfront development projects in Florida, the Caribbean and Central America.

Mr. Cummins is a registered Professional Engineer in the United States with experience ranging from inception to construction, including: field investigations, inspections, feasibility studies, marine resources, regulatory permitting, cost estimates, comprehensive coastal engineering analyses, numerical modeling, engineering design, construction drawings, technical specifications and construction oversight. Mr. Cummins has designed shoreline stabilization and coastal structures including steel sheet pile walls, fixed and floating docks, breakwaters, groins, jetties, and wave attenuators.

Mr. Cummins is proficient in the application of numerical models, including the Danish Hydraulics Institute (DHI) MIKE-21 suite of numerical modeling tools, to simulate coastal processes including tidal hydrodynamics, wave propagation, sediment transport, hurricanes and storm surge. He has applied these tools to simulate potential hurricane impacts and wave propagation to develop coastal design criteria for proposed coastal developments. Additionally, Mr. Cummins is experienced with structural analysis tools, such as CWALSHT and RAM Elements, along with applicable Federal, State and local design codes.

EDUCATION

M.Sc. Coastal and Oceanographic Engineering,
University of Florida

B.S. Civil and Coastal Engineering,
University of Florida

LICENSURE

Professional Engineer, FL

PROFESSIONAL AFFILIATIONS

Urban Land Institute

American Institute of Architects

South Florida Association of Environmental Professionals

American Society of Civil Engineers

CERTIFICATION

SCUBA

PUBLICATIONS

"Improving Rip Current Forecasting Techniques for the East Coast of Florida",
Jason Cummins, M. Sc.

Representative Project Experience

Hillsboro Inlet Channel Improvements, Broward County, Florida

CLIENT: Hillsboro Inlet District

Engineering design and construction administration for 8k ton artificial reef mitigation for 165,000 cubic yard inlet-dredging project to improve coastal sediment bypassing and navigation. Site engineering support for minor repairs to north jetty rock structure. Inspection of south jetty rock crib structure, and recommendations for repair.

Vizcaya Museum & Garden, Miami, Florida

CLIENT: Vizcaya Museum & Garden

Site plan for storm surge protection wall and environmental wetland restoration. Grant application, regulatory permitting, and engineering design for marine works. Wall design for reinforced concrete able to withstand storm surge and high wave loads associated with tropical storm event.

Sunset Harbour Yacht Club, Miami Beach, Florida

CLIENT: Sunset Harbour Yacht Club

Above and below water inspection of existing concrete dock structure components. Engineering design and environmental permitting of dock repairs based on inspection findings, including cracks, spalling, and deck slab replacement. Coastal and structural feasibility analyses of potential wave attenuator improvements to achieve acceptable wave conditions within marina.

Rybovich Spencer Boatyard, West Palm Beach, Florida**CLIENT:** Rybovich Spencer

Coastal design criteria for fixed and floating dock structures, including an integrated wave attenuator. Numerical wave and hydrodynamic modeling. Evaluation of flushing characteristics and water quality for proposed marina design. Simulation of current velocities at the entrance and evaluate navigation. Engineering design of steel sheet pile retaining wall, and concrete pile supported travel lift piers.

Dade Boulevard Seawall Replacement, Miami Beach, Florida**CLIENT:** Harbour Construction / City of Miami Beach

Marine engineering and construction drawings for 2,670 linear feet of seawall replacement with steel sheet pile and reinforced concrete cap. Structural design of barrier wall connection to cap, and utility crossover detail for FPL 69KV oil-filled transmission line. Pre-construction seawall inspection of opposite shoreline, and vibration monitoring during pile driving activity.

Hillsboro/Deerfield Beach Restoration, Broward County, Florida**CLIENT:** Town of Hillsboro Beach

Coastal engineering and environmental permit processing for 375k cubic yard beach fill project. Engineering design of beach fill template. Cross-shore sediment transport modeling. Geotechnical investigations and dredge plan for offshore borrow source. Construction drawings and technical specifications.

Great Stirrup Cay Development, Berry Islands, Bahamas**CLIENT:** Norwegian Cruise Lines

Site investigations and master planning for cruise ship private island destination improvements to accommodate 5,000 passenger cruise ships. Evaluated coastal processes, potential cruise ship pier alternative locations, and island infrastructure improvements. Numerical modeling of hurricanes, storm surge, wave propagation and hydrodynamics. Engineering design of beach expansion with use of natural breakwaters.

One Miami Condominium, Miami, Florida**CLIENT:** One Miami Condo Association

Above and below water structural inspection of more than 900 feet of bulkhead consisting of steel sheet piles, reinforced concrete cap, and concrete mat scour protection, including ultrasonic thickness measurements of remaining steel sheet pile thickness. Prepared engineering report to document investigation, including specific deficiencies, conditions rating and cost estimate for recommended repairs.

Fort Zachary Taylor State Park, Key West, Florida**CLIENT:** DEP State Parks

Above and below water inspection of breakwaters, terminal groin, as well as topographic survey to accurately identify rock displacement and settlement. Coastal engineering design and environmental permitting for truck-haul beach fill project.

Sunny Isles Coastal Analysis, Sunny Isles, Florida**CLIENT:** City of Sunny Isles Beach

Assessment of local sediment transport characteristics and the potential for shoreline stabilization along Sunny Isles Beach. An evaluation of nearshore coastal processes and sediment transport characteristics in the Project vicinity was completed. Based on the assessment, a beach management plan was prepared for long-term beach planning.

Village of Key Biscayne Beach Nourishment, Key Biscayne, Florida**CLIENT:** Village of Key Biscayne

Coastal engineering and environmental permitting support for dune restoration project. Beach profile and hydrographic surveys conducted, along with sand source search, and sediment compatibility analysis. Coordination of dune vegetation planting and exotic removal plan.

Cap Cana Marine Works, Punta Cana, Dominican Republic**CLIENT:** Cap Cana Development

Coastal engineering design for the dredging of 1.25-mile canal to create basin for 500+ slip marina. Design of shoreline stabilization, beaches, entrance channel jetties, numerical modeling of coastal processes and hydrographic surveying. Water circulation analysis of marina and canal layout.

Sun Power Diesel Marina Facility, Fort Lauderdale, Florida**CLIENT:** Cabi New River, LLC

Dredging design for the proposed marina basin and bulkhead design to support a 300-slip dry storage facility. Current and tide measurements were obtained to calibrate a numerical hydrodynamic model, which was then utilized to evaluate the flushing time for the proposed dredged conditions.

Marina, Coconut Grove, Florida**CLIENT:** Confidential

Above and below water structural inspection of concrete and timber dock structures, as well as the utilities of a 100+ slip marina. Compiled inventory of structure elements (i.e. caps, deck slabs, piles, etc.) with condition rating and repair recommendations. Prepared engineering report to document investigation along with cost estimate for recommended repairs.

Goldeneye, Oracabessa, Jamaica**CLIENT:** Implementation, Ltd.

Hydrographic survey and tidal study of Oracabessa Bay for proposed coastal development. Statistical analysis of historical wave data to develop deep-water wave conditions. Wave and hydrodynamic numerical modeling. Engineering design of coastal structures, timber docks and piers, as well as steel sheet pile bulkhead.

Crab Cay Bridge Scour Assessment, Exuma, Bahamas**CLIENT:** Crab Cay Development

Storm surge and hydrodynamic modeling of hurricane conditions in tidal channel to develop design current speeds. The scour analysis was conducted in accordance with the Florida Department of Transportation (FDOT) and Federal Highway Administration (FHWA) guidelines. The scour calculations included contraction scour due to the overall presence of the bridge and associated constriction of flow in the canal, as well as local scour occurring at the individual pier foundations.

Port of Roatan Cruise Terminal, Roatan, Honduras**CLIENT:** Royal Caribbean Cruises, Ltd.

Design of reclamation and shore protection for cruise terminal expansion. Numerical modeling of hurricane, storm surge, and wave propagation.

Island Gardens Mega-Yacht Marina, Miami, Florida**CLIENT:** Flagstone Properties

Design and environmental permitting for 50-slip mega-yacht marina on Watson Island as part of \$600M site redevelopment. Engineering design of dredging, fixed piers, and wave attenuators for vessels up to 450' long.

El Portillo Development Project, Samana, Dominican Republic**CLIENT:** Promotores Desarrollo El Portillo

Site investigations and feasibility study of creating lagoon feature from existing stream flow within Project site. Obtained flow measurements and performed hydrodynamic modeling of lagoon layout alternatives. Lagoon design construction drawings of feasible alternative. Construction administration.

State of Florida

Board of Professional Engineers

Attests that

Jason Rolland Cummins, P.E.

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

Expiration: 2/28/2015

P.E. Lic. No:



MATT TALAMAS, P.E.

Project Engineer

Mr. Talamas provides significant experience in the coastal and waterfront environment, including, preliminary planning, field studies, engineering design/inspection, and construction supervision of various development projects throughout Florida and the Caribbean.

Mr. Talamas is a registered Professional Engineer in the State of Florida with a broad range of engineering experience including: extensive above and below-water inspections of marine structures, design of coastal structures including groins, bulkheads, breakwaters, marinas, and docks, design of vessel navigation channels, calculation of dredged material, implementation of project technical specifications, and development of construction drawings.

Mr. Talamas has experience in coastal and hydrographic surveying including: the use of RTK GPS and HYPACK navigation software, beach construction layout, dredge payment surveys, marine structure positioning, and beach profile surveys. He has also conducted environmental impact assessments, mapping of coastal and marine resources, biological monitoring, sand source investigations, coral relocation, and tide and current studies.

Mr. Talamas has a strong diving and boating background to compliment his technical expertise.

EDUCATION

B.S. Civil Engineering, University of Florida

LICENSURE

Professional Engineer, FL

CERTIFICATION

SCUBA

Representative Project Experience

Boca Raton Resort & Club Bulkhead Inspection, Boca Raton, Florida

CLIENT: Boca Raton Resort & Club

Performed engineering inspection of above and below water components of the 1,700 linear foot of property shoreline stabilization. Produced engineering report of findings, including photos and maintenance recommendations.

Disney Vero Beach Dune Restoration Project, Vero Beach, Florida

CLIENT: Walt Disney World Company

Engineering design and quality control of truck haul dune nourishment. Performed sand compatibility analysis, surveyed as-built conditions of completed dune, and worked with permitting agencies to ensure successful implementation of the project as per permit conditions.

Fisher Island Bulkhead Inspection, Miami, Florida

CLIENT: Fisher Island Community Association

Conducted above and below water engineering inspection of the 11,200 linear feet of bulkhead fronting Fisher Island, including the marina. Performed steel integrity testing of sheet pile. Prepared engineering report of findings, including reference figures, photos, and recommendations for repairs.

Ocean Reef Yacht Club, Key Largo, Florida

CLIENT: Ocean Reef Yacht Club

Performed above and below water engineering inspection of 1,000 linear feet of bulkhead including the fuel dock area. Produced engineering report of findings, photos, and maintenance recommendations.

Leeward Marina Resort & Spa, Providenciales, Turks & Caicos Islands**CLIENT:** Leeward Waterfront Limited

Engineering design of mega-yacht navigation channel, shoreline stabilization, as well as a pocket beach stabilized with steel sheet pile breakwaters. Site engineering support during construction and dredging, performed hydrographic surveys and environmental monitoring. Acted as liaison between local government departments and client.

Emerald Beach Nourishment Project, Providenciales, Turks & Caicos Islands**CLIENT:** Emerald Point Resort Limited

Engineering study and design of submerged geo-textile T-groins, as well as the placement of sand to replenish stabilize a highly erosive area. Performed beach profile surveys, environmental monitoring, and construction administration. Served as liaison between local government departments and client during design and construction.

Hypoluxo Yacht Club, Hypoluxo, Florida**CLIENT:** Hypoluxo Yacht Club

Performed above and below water engineering inspection of 980 linear feet of bulkhead along the property shoreline. Produced engineering report of findings, photos, and recommendations for repairs.

Third Turtle Club Beach Improvement Project, Providenciales, Turks & Caicos Islands**CLIENT:** Third Turtle Club

Engineering support for maintenance dredging of marina entrance channel, including the use of suitable sand to replenish adjacent beach. Operational assistance for dredge and other heavy machinery. Supervised construction crews and performed payment surveys of volume dredged and volume placed.

Sector 3 Beach & Dune Restoration Project, Indian River County, Florida**CLIENT:** Ranger Construction

Engineering support for truck-haul beach nourishment, including sediment testing and quality control. Used RTK GPS to stakeout beach fill templates and survey as-built beach profiles for contractor payment. Calculated placed sand volumes and documented storm-related sand transport events during construction. Performed sediment compatibility analysis of borrow site.

One Miami Condominium, Miami Dade County**CLIENT:** One Miami Condo Association

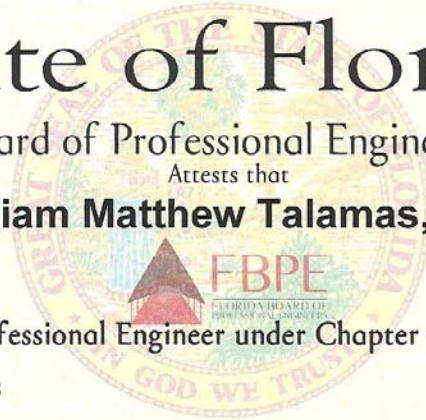
Above and below water structural inspection of more than 900 feet of bulkhead consisting of steel sheet piles, reinforced concrete cap, and concrete mat scour protection, including ultrasonic thickness measurements of remaining steel sheet pile thickness. Prepared engineering report to document investigation, including specific deficiencies, conditions rating and cost estimate for recommended repairs.

State of Florida

Board of Professional Engineers

Attests that

William Matthew Talamas, P.E.



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

Expiration: 2/28/2015

Audit No: 228201512368

P.E. Lic. No:

71570

RESUME

Frederick H. Hildebrandt, P.E., P.S.M.

REGISTRATION:

Professional Land Surveyor and Mapper, State of Florida, No. 2749 (June 1974)

Professional Engineer, State of Florida, No. 36810 (March 1986)

EDUCATION:

Associate in Applied Science, Civil Technology, State Univ. at Farmingdale, N.Y. (1965)

Union College, Cranford New Jersey, Civil Engineering Courses

Bachelor of Arts, Real Estate major, minor in construction, Florida International University, Miami, FL (1978)

Masters of Science Program, Environmental & Urban Systems, FIU, Miami Florida

PROFESSIONAL EXPERIENCE:

2008 to present: Principal, Island Surveying Inc. Key West, Fl. 33040

1983 to 2008: Principal, F.H. Hildebrandt, Key West, and Miami

1982-1983: Chief Land Surveyor, Manager Survey Department, Vice President, Carr Smith & Associates, Coral Gables, Fl.

1981: Survey Manager Hole Montes & Associates, Naples, Fl.

1973-1980: Chief Land Surveyor, Manager Survey Department, Vice President, Carr Smith & Associates, Coral Gables, Fl.

1971-1973: Senior Party Chief, Porter & Ripa Associates, Morristown, New Jersey

1969-1971: Party Chief, Sailor & Sailor, Elizabeth, New Jersey

1969: Instrument man, Stanley Engineers, East Providence, Rhode Island

MILITARY:

1965-1969: U.S.N. Seabees, Engineering Aid Second Class, three tours to the Republic of Vietnam,

HISTORY:

Surveyed in New Jersey, Connecticut, Massachusetts, Rhode Island, and Florida. Also surveyed in Asia, Africa, and the Caribbean.

OTHER LICENSES

Private Pilot

Certified open water diver

MAJOR PROJECTS:

U.S. Navy, all Key West Bases

City of Key West, Misc. Surveys including Truman Annex

Monroe County, Misc. Surveys

Monroe County School Board, most of the county schools

K.W. Housing Authority, Sands and No. Roosevelt Housing

Singh Properties. K.W. Golf Course, Parrot Resort, Truman Annex

Monroe County Airports

Surveyed over 10,000 properties in the Florida Keys

CITY OF KEY WEST, FLORIDA

Business Tax Receipt

This Document is a business tax receipt
Holder must meet all City zoning and use provisions.
P.O. Box 1409, Key West, Florida 33040 (305) 809-3955

Business Name HILDEBRANDT, F.H. (SURVEYOR) CTINbr:0004840
Location Addr 3152 NORTHSIDE DR
Lic NBR/Class 14-00021975 SERVICE - PROFESSIONAL
Issue Date: July 18, 2013 Expiration Date:September 30, 2014
License Fee \$309.75
Add. Charges \$0.00
Penalty \$0.00
Total \$309.75
Comments: SURVEYOR

Year	Amount	Type of Drk
2014	21975	3241
2013	21975	3241
2012	21975	3241
2011	21975	3241
2010	21975	3241
2009	21975	3241

This document must be prominently displayed.

HILDEBRANDT, F.H.

HILDEBRANDT, F.H. (SURVEYOR)
3152 NORTHSIDE DR

KEY WEST FL 33040

CITY OF KEY WEST, FLORIDA

Business Tax Receipt

This Document is a business tax receipt

Holder must meet all City zoning and use provisions.

P.O. Box 1409, Key West, Florida 33040 (305) 809-3955

Business Name HILDEBRANDT, F.H. (ENGINEER) CtlNbr:0004844

Location Addr 3152 NORTHSIDE DR

Lic NBR/Class 14-00021976 SERVICE - PROFESSIONAL

Issue Date: July 18, 2013 Expiration Date:September 30, 2014

License Fee \$309.75

Add. Charges \$0.00

Penalty \$0.00

Total \$309.75

Comments: ENGINEER

RECEIVED
DATE: 7/24/13 5:46
BY: 31976

TYPE: OC
REPRINT: NO
RECEIVED: 7/24/13 5:46

14-00021976 SERVICE - PROFESSIONAL

This document must be prominently displayed.

HILDEBRANDT, F.H.

HILDEBRANDT, F.H. (ENGINEER)

3152 NORTHSIDE DR

KEY WEST FL 33040

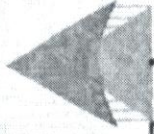
Amount: \$309.75
3241 \$519.50
Time: 17:01:05

State of Florida

Board of Professional Engineers

Attests that

Frederick Herman Hildebrandt, P.E.



FBPE
FLORIDA BOARD OF
PROFESSIONAL ENGINEERS

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

P.E. Lic. No:

36810

Expiration: 2/28/2015

Audit No: 228201531748



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.: **LS2749**

Expiration Date February 28, 2015

Professional Surveyor and Mapper License

Under the provisions of Chapter 472, Florida Statutes

**FREDERICK H HILDEBRANDT
3152 NORTHSIDE DR STE 201
KEY WEST, FL 33040-8006**

**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

RESUME

Donald Fletchall

EDUCATION:

Graduate of Saint Mary Immolate High School, 1977
Associate degree work in Business, FKCC, UF

PROFESSIONAL EXPERIENCE:

Civil Service, U.S. Navy
5 Years Waste Management
10 Years Hazardous waste
5 Years management partner, M & M, LLC, DBA, Haagen-Dazs
13 years senior party chief, Island Surveying, Inc.

HISTORY:

Involved with all office and field work for Island Surveying, Inc.
Proficient in Autocad 2004 – 2012
GPS Operation
Robotic Total Station

OTHER LICENSES

Certified open water diver

MAJOR PROJECTS:

U.S. Navy, all Key West Bases
City of Key West, Misc. Surveys including Truman Annex
Monroe County, Misc. Surveys
Monroe County School Board, most of the county schools
K.W. Housing Authority, Sands and No. Roosevelt Housing
Singh Properties. K.W. Golf Course, Parrot Resort, Truman Annex
Monroe County Airports



**City of Key West
Environmental Engineering Services
Scope of Services Matrix**



**SWC TEAM
RELEVANT PROJECT
EXPERIENCE**



Contamination Site Investigation
& Remediation

Industrial Hygiene

Underground Storage Tanks

Real Estate Support Services

Team Members

Projects in City of Key West

= within 5 years
 = more than 5 years

Key West Phase I Environmental Site Assessments--11				X	SWC
Universal Dry Cleaners, Phase I/II ESA				X	SWC/CRA
Garrison Bight Marina Assessment & Remediation	X		X		CRA
BB&T Various Key West Environmental Site Assessments				X	GLE
City of Key West - City Hall Underground Fuel Leak Consulting Services	X		X		SWC
Key West International Airport Fuel Spill Consultation	X				SWC
Key West Phase I Environmental Site Assessments--6 in previous 15 years				X	SWC

Projects in Florida Keys

Florida Keys Phase I Environmental Site Assessments--8				X	SWC
Former Tarmac Batch Plant LUST Assessment/Closure	X		X		CRA
Contamination Assessment & Soil Remediation, Stock Island Fire Station Property	X			X	SWC
Wild Bill's Former Gas Station Site, Grassy Key, City of Marathon	X			X	SWC
Marathon Construction & Demolition Debris Recycling Facility & Transfer Station				X	SWC
Tavernier & Upper SugarLoaf Key Environmental Site Assessments				X	SWC
FCAA Spill Prevention Control & Countermeasure Plan, City of Marathon			X		SWC
Florida Keys Phase I Environmental Site Assessments--30 in previous 15 years				X	SWC
Robbie's Safe Harbor Marine Enterprises Contamination & Remediation Plan and C&D transfer station permitting	X			X	SWC

SWC TEAM RELEVANT PROJECT EXPERIENCE



Contamination Site Investigation
& Remediation

Industrial Hygiene

Underground Storage Tanks

Real Estate Support Services

Team Members

Bayview Inn Former UST Testing and Successful DEP No Further Action Determination			X	X	SWC
Tropical Reef Resort UST Removal, Contamination Assessment and NFA Approval	X				SWC
Watermark Marina Contamination Assessment	X				SWC
Projects in Southeast/Southwest Florida					
Pier 1 Petroleum Remediation Pricing, Port Everglades Master Plan Update	X				SWC
State Road 710 PD&E Study Environmental Assessment				X	SWC
Former Fountainbleau Lakes Golf Course Commercial Redevelopment	X				CRA
Town of Palm Beach A-39 Pump Station	X				CRA
Town of Palm Beach Force Main Wastewater Collection System and Wet Well Odor Control	X	X			CRA
FDEP Dry Cleaner Site Cleanup Program	X			X	CRA
Lake Worth Drainage District--SPCC Plan			X		CRA
Homestead Air Force Base Contamination Assessment & Remediation	X				GLE
Jackson Memorial Hospital Asbestos & Lead Services		X			GLE
Miami International Airport Asbestos & Lead Assessments and Remediation	X	X			GLE
Broward County Courthouse Comprehensive IAQ & Water Intrusion Study		X			GLE

= within 5 years
 = more than 5 years

**City of Key West RFQ No. 14-004
Environmental Engineering Services**

SWC SPECIFIC RELEVANT EXPERIENCE IN LAST 5 YEARS

Wild Bill's Former Gas Station Site, Grassy Key, City of Marathon

SWC began working at this site in 2004, when an earlier owner contacted the firm to address a request by the Florida Department of Environmental Protection to follow up on a staff memo from several years earlier that reported a foot of petroleum floating on the top of groundwater in a monitoring well following the 1997 removal of an underground storage tank (UST). All former monitoring wells were lost, so SWC designed a new system of wells and a sampling and testing regime to determine the status of remaining contamination. SWC supervised well installation and sampling, and prepared and submitted to the client a report summarizing findings. Several petroleum contaminants in groundwater significantly exceeded State cleanup target levels (SCTLs), although floating petroleum was no longer present.

The property then changed hands and no further action was taken until 2013 when the new owner retained SWC to update data on contamination at the site. Again, all monitoring wells were lost so SWC supervised installation of nine new permanent monitoring wells, conducted a sampling event, and found that only one contaminant remained in excess of SCTLs. SWC then coordinated with DEP and conducted another sampling event utilizing purge pumping, and prepared a report recommending continued monitoring to document natural attenuation. DEP approved the plan and required a semi-annual monitoring regime. The first semi-annual event was conducted in March 2014, finding that levels had decreased at several wells but increased at one, indicating movement of the plume in response to groundwater fluctuations. DEP reviewed and approved the report, with the next monitoring event scheduled for September 2014.



New wells being installed in March 2013.

Please see the attached table for all required project details.



Marathon Construction & Demolition (C&D) Debris Recycling Facility & Transfer Station

SWC has worked since 2008 with two different applicants at two different sites in Marathon to plan, permit and construct this facility. SWC initially coordinated with City planning staff to confirm the land use was consistent with City Land Development Regulations. SWC then subcontracted an engineer to design the stormwater system and to work with SWC in developing all documentation required for C&D transfer station and stormwater permitting



with the Florida Department of Environmental Protection (DEP). City planning staff was continuously involved during site plan development to ensure addressing Code requirements.

Following a pre-application meeting, detailed applications were filed with DEP addressing all applicable requirements of State law to ensure appropriate handling of solid waste to protect the environment and public health and safety. Submittal materials included a

detailed Engineering Report and an Operations and Maintenance Manual. Some additional information was requested and provided. Both stormwater and transfer station permits were issued in 2011.

Subsequently, the City altered direction in local permit requirements, and has recently amended the City Code to more specifically provide for this land use. SWC is working with the applicant to finalize all documents to apply for a Conditional Use and secure local permits, anticipating completion of this process and initiation of construction before the end of 2014.

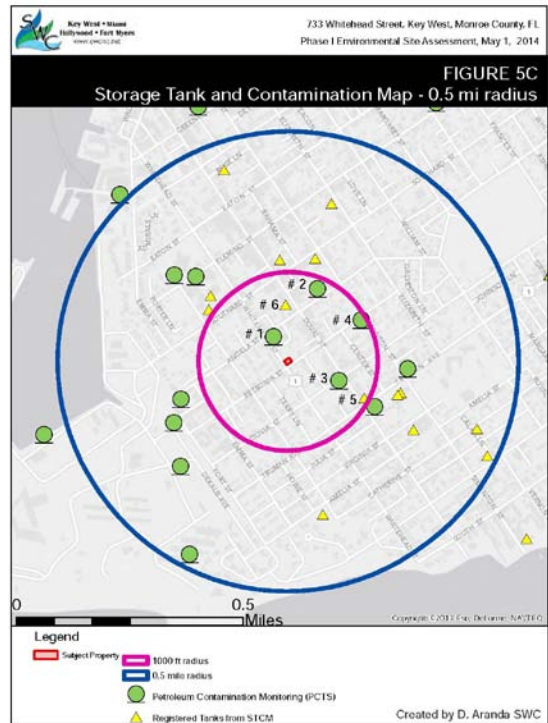
Please see the attached table for all required project details.

Environmental Site Assessments, Tavernier & Upper Sugarloaf Key, Monroe County

SWC was retained by the intended buyer of these parcels to conduct environmental site assessments (ESAs) consistent with the ASTM 1527-13 guidelines as part of due diligence for the commercial real estate transactions. The Tavernier ESA also required additional scope for addressing asbestos and lead paint, as the structure was built in the 1970s so there was a possibility of these construction materials being present, and SWC subcontracted the services of GLE Associates, Inc. to conduct this review.



In both cases, site visits were conducted with property managers who were able to provide access to each entire parcel and structures, and interviews were conducted with individuals who had long-term knowledge of the properties. In addition, databases of relevant State and federal agencies and local agency files were examined—including the Monroe County Health Department which conducts regular inspections of fuel storage tanks in excess of 500 gallons. Properties within a radius of 0.50 miles were also researched, for possible impacts on the subject properties. A supplemental (Tier 1) assessment for potential Vapor Encroachment Conditions (pVEC) of the Upper Sugarloaf site was conducted as this additional requirement went into effect just prior to the ESA for this property. Recent and historical aerial photos of the properties and surrounding areas were conducted, and other databases examined for evidence of historical land uses that could involve potential contamination sources.



Example of figure showing locations of potential contamination near a Key West property.

All findings were incorporated into full reports that addressed all subjects specified in the ASTM guidelines, with figures developed that presented current site conditions, locations of contamination issues in the vicinity, historical aerial photographs, and other project data. Attachments included relevant documents examined that establish contamination-related conditions at the subject properties and other contamination locations, and ground-level photographs of the properties and surrounding areas. Findings were made regarding whether Recognized Environmental Conditions (RECs) were present at the subject properties or adjacent parcels. Also, recommendations were made regarding site management changes that could reduce the likelihood of future contamination events.

SWC chose these two ESAs as recent examples of this kind of work that the company conducts. **SWC has conducted 16 Phase I ESAs throughout Monroe County and 11 ESAs within the City of Key West in the last five years.** We are highly familiar with the locale, sources of information, and relevant history of the area, as well as the ASTM guidelines and appropriate process of due diligence. Sandra Walters, president of SWC, has been qualified as an expert witness on the subject and provided expert testimony in Circuit Court in 2009 during a trial regarding a real estate transaction disagreement between buyer and seller.

Please see the attached table for all required project details.



Spill Prevention Control & Countermeasure (SPCC) Plan, City of Marathon

SWC was retained by the Florida Keys Aqueduct Authority (FKAA) to develop an SPCC plan for the Marathon diesel and garage facility. This plan is in accordance with Environmental Protection Agency (EPA) pollution prevention requirements specified in the Code of Federal Regulations. It includes a detailed inventory of potential sources of contamination on the property, including above- and underground fuel storage tanks and capacities, piping, dispensers, and drum storage; and measures to prevent and respond to spills. The plan is intended to be a living document and includes instructions on the process of maintaining and implementing the plan by the management of the subject property, in this case the FKAA. Specifications for training of personnel, including subject matter and training frequency, are outlined, along with emergency response protocols, and notification contact information and reporting forms.

Please see the attached table for all required project details.

Stock Island Fire Station Property Contamination Testing and Cleanup, Monroe County

During due diligence research for purchase of a parcel of land on Stock Island for a fire station, Monroe County received a report indicating that the site contained contamination. Subsequent testing did find levels of some petroleum contaminants in excess of State cleanup target levels (SCTLs). SWC was retained by the construction company to develop and supervise an appropriate remediation scope. From the data provided, SWC defined an area of soil, supervised its removal and disposal, took soil samples from within the removal area and had them tested, determined that the site was in compliance with SCTLs, and prepared and submitted a report allowing the contractor to proceed with construction.

Please see the attached table for all required project details.

State Road 710 Planning, Design and Environmental Study, Palm Beach and Martin counties

SWC participated in the consultant team responsible for a study regarding improvements to capacity of a 27-mile roadway corridor in Palm Beach and Martin counties for the Florida Department of Transportation, District 4. SWC conducted the equivalent of a Phase I Environmental Site Assessment for this corridor. Extensive field and records research revealed many sites that could potentially cause contamination to affect the highway corridor. This information was compiled into a detailed report for inclusion in the planning document to assist in later detailed design by identifying likely locations where remediation during construction will be required.

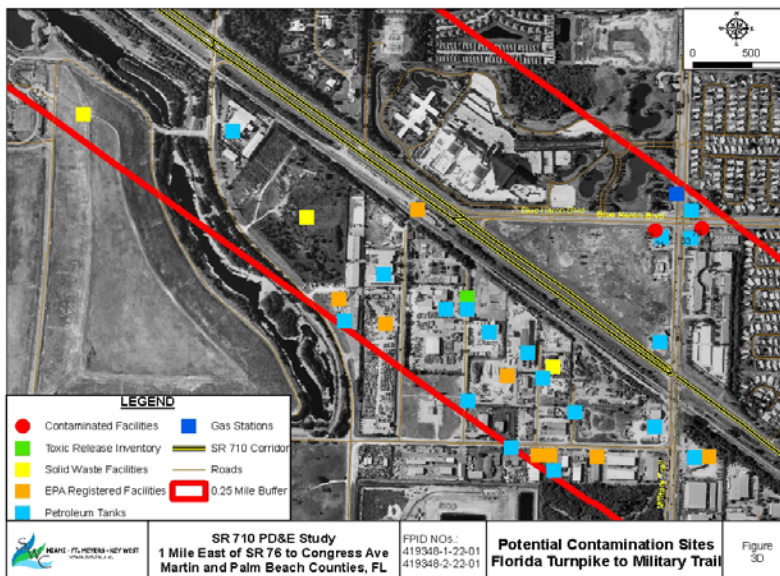
Please see the attached table for all required project details. Also, please see the related detailed project sheet.

STATE ROAD (SR) 710 PROJECT DEVELOPMENT & ENVIRONMENT (PD&E) STUDY

SWC (Sandra Walters Consultants, Inc.) is part of the consultant team conducting a Florida Department of Transportation (FDOT) District 4 PD&E study for a 27-mile corridor of SR 710 (Beeline Highway) through Palm Beach and Martin counties. The project is anticipated to widen the roadways and reduce congestion as well as to enhance mobility, safety, emergency access and truck movement.

SWC's responsibilities include:

- ❖ field data collection for wetlands and threatened and endangered species along the project corridor,
- ❖ research of potential contamination sites along the project corridor including literature review utilizing Florida Department of Environmental Protection (FDEP) and County databases and assessing the level of risk for contamination,
- ❖ groundtruthing of site locations and graphic representation of potential contamination sites utilizing the latest ArcGIS software,
- ❖ documentation of land use patterns in the area in regard to potential for secondary and cumulative impacts,
- ❖ participation in project progress meetings.



ENVIRONMENTAL SITE ASSESSMENTS & CONTAMINATION REMEDIATION

SWC (Sandra Walters Consultants, Inc.) has conducted many Phase I & II Environmental Site Assessments (ESAs) throughout the Florida Keys, and elsewhere in South and Southwest Florida. If contamination is present, SWC can develop remediation plans in cooperation with regulatory agencies and execute site cleanups. SWC also can test for common hazardous materials such as lead paint and asbestos.

Services include:

- Phase I & II ESAs
- Remediation plans
- Site cleanups
- Fuel storage tank removal
- Groundwater, soil testing & analysis
- Lead paint & asbestos testing
- Environmental risk assessments
- No Further Action applications

Clients include:

City of Key West
Monroe County
Monroe County Mosquito Control
U.S. Postal Services
First State Bank
TIB Bank
Republic Bank
Wachovia Bank
Historic Tours of America
Oceanside Marina
A&B Lobsterhouse
Horan & Horan, PA
Key West Bar Pilots Association
Robbie's Marina
Key West Transfer Station
Industrial Communication & Electronics, Inc.
Heritage Company
Carlisle Group
Niles Auto Sales & Service
Watermark Marina



Chemicals at Sunset Inn, Islamorada



Asbestos testing at Old Dog Track, Stock Island



Fuel dock and storage tanks, Oceanside Marina, Stock Island



Test well drilling and soil testing for fuel tank removal and closure, Robbie's Marina, Stock Island



Environmental Engineering
SWC SPECIFIC RELEVANT EXPERIENCE PROJECT DETAILS

Needs	MAR Construction & Demolition Debris Recycling Facility & Transfer Station	Wild Bill's Former Gas Station Site, Grassy Key, City of Marathon		Environmental Site Assessments, Tavernier & Upper Sugarloaf Key, Monroe County	Spill Prevention Control & Countermeasure Plan, City of Marathon	Stock Island Fire Station, Monroe County	SR 710 PD&E Study, Palm Beach and Martin counties
Start & end dates	2008-current	2004-2005, 2013-current		2013-2014	2013	2012-2013	2006-2014
Client Name	Discount Rock & Sand, Inc.	HJ3, Inc.		Florida Keys Media LLC	Florida Keys Aqueduct Authority	Burke Construction Group	Transystems, Inc, supervised by Cyriacks Environmental, Inc.
Client's Representative	Eddie Lopez	Howard Leitner		Bob Holladay	Julie Cheon	David Martinez	Wendy Cyriacks
Client's Address	P.O. Box 504484, Marathon, FL 33050	9048 SW 152 Street, Miami, FL 33157		P.O. Box 4808, Monroe, LA 71211	3200 Overseas Highway, Marathon, FL 33050	10145 NW 19th Street, Doral, FL 33172	3001 SW 15th Street, Suite B, Deerfield Beach, FL 33442
Client's Telephone Number	(305) 743-5680	(786) 247-2274, howardsmail@bellsouth.net		(318) 348-1041, bobh@bayou.com	(305) 295-2179, jcheon@fkaa.com	(305) 468-6604, dmartinez@bcgconstruction.net	(954) 571-0290, wc@cecosenvironmental.com
Key Personnel in Design	Sandra Walters	Sandra Walters		Diana Aranda & Sandra Walters	Jim Bouquet, Shelli Tallacksen & Sandra Walters	Jim Bouquet & Sandra Walters	Sandra Walters and Michael Tust
Design Services Fee	\$109,376.20, includes design, engineering, DEP permitting	Well installation, first & second sampling & testing, coordination with DEP, reports, and DEP concurrence determination: \$13,000.00		Tavernier, including lead and asbestos: \$5,000.00; Upper Sugarloaf: \$2,650.00	\$2,495.00	\$6,995.00	\$4,000.00
Estimate of Construction Cost	\$219,500.00	Included above		N/A	N/A	N/K	N/K
Name of Contractor	JRC Professional Builders, Inc.	Well installation: Envirodrill	Laboratory analysis: Jupiter Labs	N/A	N/A	Burke Construction Group	N/K
Contract Award Amount	N/K	\$5,650.00	\$2,475.00	N/A	N/A	N/K	N/K
Contractor's Representative	Jose Davalos	Melissa Bahr	Leanna Ramos	N/A	N/A	David Martinez	N/K
Contractor's Address	10641 Aviation Blvd, Bldg A, Marathon, FL 33050	15481 SW 12th Street, Bldg C, Unit 300, Sunrise, FL 33326	150 S Old Dixie Hwy, Jupiter, FL 33458	N/A	N/A	10145 NW 19th Street, Doral, FL 33172	N/K
Contractor's Telephone Number	305-289-2225	(954) 472-3342	(561) 575-0030	N/A	N/A	(305) 468-6604, dmartinez@bcgconstruction.net	N/K

GARRISON BIGHT MARINA



**CONESTOGA-ROVERS
& ASSOCIATES**

PROJECT EXPERIENCE



A privately-owned commercial marina with retail fuel sales facility located on Garrison Bight in a mixed commercial-residential area of Key West, Florida experienced an overnight, catastrophic release of an estimated 6,000 - gallons of fuel from its aboveground storage tank system. CRA personnel provided regulatory guidance, discharge reporting, tank closure assessment and source removal testing services to the marina owners during the emergency response effort. Records review revealed prior assessments of the marina under the State-funded cleanup program subsequently suspended due to the Site's low-priority scoring. Working with the marina's pollution liability insurance carrier, CRA personnel conducted soil and groundwater assessments including the determination of off-site impacts to adjoining FDOT-right-of-way and City of Key West property. CRA personnel conducted a successful pilot test of the proposed dual-phase extraction remediation strategies resulting in the Florida Department of Environmental Protection's quick approval of the Remedial Action Plan. Working in phases to minimize impact to the marina's ongoing rack storage operations, CRA's construction services laid subsurface vacuum piping around the site's peripheral fence line. The remediation system was specifically constructed within a trailer enclosure to fit between storage racks so as not to take up valuable marina operations and storage space. Overall project services included project estimating and management; tank closure; interim remedial action and free product recovery; site assessment; remedial planning and design; pilot testing, permitting. Pending services include remedial system installation (soil vent with dual-phase extraction and dispersant application); remedial system operation and maintenance; planning and performing groundwater monitoring; and site closure.

CRA subcontracted with SWC, Inc. to provide Operations & Maintenance services on the Soil Vapor Extraction/Dual-Phase remediation system.

PROJECT SPECIFICATIONS

Project Location

Key West, Florida

Duration

2005 - 2011

Key Highlights

- Tank Closure Assessment and Reporting
- Source Removal Documentation, Testing, and Reporting
- Planned and Performed Soil Sampling, Monitoring Well Installations, and Groundwater Monitoring on Active Rack Storage Marina
- Interfacing with City of Key West Engineering for Right-of-Way Issues on Adjoining City Marina Property
- Florida DOT Permitting for Monitoring Well Temporary Point of Compliance in Right-of-Way
- Prepared Site Assessment Report (SAR)
- Florida DEP Interfacing and Negotiations
- Conducted a Facility Inspection and Prepared a Spill Prevention Control and Countermeasure (SPCC) Plan
- Pilot Tested Remediation Strategy
- Executed Approved Remedial Action Plan (RAP)
- Phased Construction on Active Rack Storage Marina of a Network of Subsurface Soil and Groundwater Vacuum Piping Connected to Specialty-built Dual-Phase Extraction Treatment System

UNIVERSAL DRY CLEANERS PHASE I/II ESA



**CONESTOGA-ROVERS
& ASSOCIATES**

PROJECT EXPERIENCE



CRA was contracted, by SWC, Inc., to perform a due diligence, Phase I Environmental Site Assessment of a former commercial dry cleaning facility embedded in a mixed residential-commercial use neighborhood of Key West, Florida. The Phase I ESA was performed as a prelude to the estate sale of the property to a developer who planned residential redevelopment of the commercial property.

Based on the Site's +50-year history as a dry cleaner and components of the facility's operations identified during the Phase I inspection, CRA concurrently performed limited Phase II soil screening and sampling in the exterior fenced yard area behind the structure. CRA's regulatory records review revealed that the facility historically utilized a petroleum-based dry cleaning solution to process customer garments. Based on this information, CRA targeted laboratory analysis of petroleum compounds in the collected soil samples.

Soil screening and sampling identified petroleum compounds at select locations on the site requiring post-demolition cleanup.

PROJECT SPECIFICATIONS

Project Location

Key West, Florida

Duration

2009 - 2010

Key Highlights

- Due diligence Phase I Environmental Site Assessment for Residential Re-development
- Regulatory Hazardous Waste Facility Enforcement File Review and Communications
- Pre- Demolition Soil Sampling

FORMER TARMAC BATCH PLANT LUST ASSESSMENT/CLOSURE



**CONESTOGA-ROVERS
& ASSOCIATES**

PROJECT EXPERIENCE



The site, a former concrete batch plant located on Rockland Key, was owned and operated by Tarmac. The property was sold to a local investor group in Key West that subsequently successfully redeveloped the former Tarmac batch plant and adjoining properties into a light industrial park of commerce. The Tarmac batch plant formerly held underground fuel storage tanks. Petroleum contamination was discovered during the removal of those fuel tanks in the late 1980's. The site was subsequently found eligible for the State of Florida's Petroleum Cleanup Funding program. Contaminated soil associated with the fuel storage tanks was excavated and removed from the Site for off-site disposal. During early to mid-1990's, through the subsequent penetration of multiple soil borings and the installation of a network of up to 31 shallow- and deep-depth monitoring wells, the extent of petroleum impact to the site's soil and groundwater was determined by Tarmac's environmental consultants. The Site's condition allowed the Florida Department of Environmental Protection to approve a groundwater remediation strategy of monitored natural attenuation. For approximately two years, Tarmac authorized quarterly Natural Attenuation Monitoring (NAM) of approximately six of the Site's monitoring wells for target petroleum compounds, suspending monitoring activities in 2000. In 2010, as a prelude to pending property transaction and redevelopment, CRA was approached by the Site's new owner-investor group to evaluate the potential closure of the Tarmac incident of fuel release. Between 2010 and 2014 CRA conducted groundwater sampling from the Site's remnant monitoring wells, collected soil samples for screening and laboratory analysis, and collected samples of 'smear' from below the water table to evaluate the potential for continued impact to the Site's groundwater as a means of evaluating the potential to achieve closure of the Tarmac incident of fuel release. Following late 2013 negotiations with the Florida Department of Environmental Protection, CRA conducted one more round of groundwater sampling from the Site's remnant monitoring wells then prepared and submitted a summary report of soil, 'smear' and groundwater assessment detailing the sampling activities performed and data history to the regulatory agency. Upon review of CRA's supplemental assessment report, the Florida Department of Environmental Protection approved a status of No Further Action (NFA) without conditions allowing the pending unencumbered sale and redevelopment of the Site.

PROJECT SPECIFICATIONS

Project Location

Rockland Key, Key West, Florida

Duration

2010 - 2014

Key Highlights

- Assessments, Monitoring, and Regulatory Negotiations for Historic Leaking USTs
- Well Installations and Monitoring
- Soil & Ground Water Sampling
- No Further Action (NFA) Closure

FORMER FOUNTAINEBLEAU LAKES GOLF COURSE COMMERCIAL REDEVELOPMENT



**CONESTOGA-ROVERS
& ASSOCIATES**

PROJECT EXPERIENCE



CJUF Flagler III, a division of the Canyon-Johnson Urban Fund, purchased a 33-acre portion of the former Fountainebleau Lakes Golf Course located in northwestern Miami-Dade County with the intention of redeveloping the Site into the Fountainebleau Park Plaza, a commercial plaza anchored by big box retail and fitness tenants. Immediately prior to the property transaction, the former golf course, a designated Miami-Dade County Brownfield, received a closure status of No Further Action (NFA) with conditions from the County's Department of Regulatory and Economic Resources for remnant arsenic soil impacts that exceeded the residential direct exposure criteria but were less than the commercial direct exposure criteria.

After receiving a Risk Based Corrective Action (RBCA) permit to redevelop the Site, CJUF Flagler III engaged CRA to work with the civil engineering company, Development Consulting Group, to prepare and implement a soil management plan to meet the criteria of the RBCA permit. CRA performed extensive testing of stockpiled overburden soil and lake excavation soils to assure that the soil moved and reutilized on the site met the NFA condition limitation of 12 parts per million of arsenic, the commercial site direct exposure criteria. CRA also qualified arsenic levels in soil pending placement in excavations with exposed groundwater to assure that concentrations did not exceed the residential site direct exposure criteria to prevent the potential leaching.

To meet County codified restrictions on stormwater discharge into contaminated groundwater, CRA also conducted a program of groundwater sampling along the proposed drainage exfiltration trenches to identify any potential areas with groundwater arsenic concentrations exceeding applicable County and State Cleanup Target Levels. Based on the resulting groundwater data, recommendations for drainage system re-design were made to the developer and civil engineers to assure that the drainage system met the County code requirements and the drainage system design would receive approval. During the excavation of soils to allow the construction of the exfiltration and drainage system trenches, CRA collected soil samples from stockpiled soils to qualify them for reuse on the Site in accordance with the RBCA permit and sampled remnant trench samples to assure the adequate removal of arsenic impacted soil exceeding the 12 ppm limit. All of CRA's work was conducted without any interruption to the Site's redevelopment activities and Certificates of Occupancy are expected in late 2014.

PROJECT SPECIFICATIONS

Project Location

Miami-Dade County, Florida

Duration

2012 - Ongoing

Key Highlights

- Former Golf Course
- Environmental Engineering
- Hazardous Contaminant
- Risk-Based Corrective Action site
- Soil, Fill, and Storm Water Management
- Soil and Ground Water Sampling
- Regulatory Interfacing and Negotiations

TOWN OF PALM BEACH A-39 PUMP STATION



**CONESTOGA-ROVERS
& ASSOCIATES**

PROJECT EXPERIENCE



A tank closure at the Town of Palm Beach's (Town) A-39 wastewater pump station revealed arsenic, chlorinated pesticide, and petroleum-related impacts. The requisite Discharge Report Form (DRF) was filed for the fuel related impact. Since FDEP oversees the cleanup of non-petroleum contaminants under rule 62-780, F.A.C. and PBC ERM oversees the cleanup of petroleum-related contaminants under rule 62-770, F.A.C., both regulatory agencies are involved in the assessment and cleanup of the contaminants.

CRA's contract called for the simultaneous assessment of petroleum and chlorinated pesticides/arsenic impacts under the referenced F.A.C.s. As allowed by the F.A.C.s, and to establish a cooperative effort, HSA recommended the Town engage the FDEP and PBC ERM in initial discussions. Topics included the reported contaminants of concern, the Town's goal for cleanup and closures, goal-oriented assessment requirements, coincidental assessments of the impacts, development of a Conceptual Site Model, division of regulatory authority for oversight, and a schedule for assessment and submittal of the Site Assessment Reports (SARs). CRA's assessment found that the site's soils were impacted by petroleum-related compounds, arsenic, and dieldrin extending into the adjoining park, but the groundwater was only impacted by arsenic and dieldrin.

PROJECT SPECIFICATIONS

Project Location

Palm Beach, Florida

Duration

2009 - Ongoing

Key Highlights

- Designed Petroleum Contaminated Soil Disposal Characterization Sampling Program
- Coordinated Sampling and Soil Disposal Characterization
- Environmental Engineering
- Combined Hazardous and Petroleum Contaminants
- Soil, Sediment Ground Water and Surface Water Sampling
- Well Installation and Monitoring
- RMO III closure with Groundwater Fate & Transport Modeling

TOWN OF PALM BEACH FORCE MAIN WASTEWATER COLLECTION SYSTEM AND WET WELL ODOR CONTROL



**CONESTOGA-ROVERS
& ASSOCIATES**

PROJECT EXPERIENCE



CRA completed an odor control study in 2010 for the Town of Palm Beach for their force main wastewater collection system and wet wells. Hydrogen Sulfide air and water samples were collected at key wet wells including the Town's PS 22 pump station complex that receives nearly 2 MGD of waste water. The Town of Palm Beach is stretched along miles of the State Road A1A between the Atlantic Ocean and the Intracoastal Waterway. This, coupled with the fact that a significant portion of the Town's population is seasonal, creates extensively high retention times in the force main and various wet wells at certain times during the year. To keep hydrogen sulfide odors to a minimum, the Water Environmental Federation (Controls of Odors and Emissions from Wastewater Plants Manual of Practice 25, WEF, 2004) recommends 4 hours or less of travel time and/or HRT in force mains and wet wells. The Town of Palm Beach more than doubled this retention time in their system particularly during the summer months when seasonal populations are at their lowest point.

As a result of CRA's study, one implemented remedy was to insert a drop pipe into the PS 22 pump station's feed line to eliminate the 10 foot free fall of wastewater into the station's wet well. The piping modification substantially reduced aeration/volatization of odorous gases from the wastewater into the atmosphere.

Phase II of the study involved an evaluation of chemical additives aimed at further reducing odors in select wet wells including the in-field assessment of hydrogen peroxide, injected air, chlorine, magnesium hydroxide and sodium hydroxide on representative wastewater samples. Costs, process designs and relative effectiveness of these chemical additive measures will all be provided to the client at the conclusion of the Phase II field testing.

PROJECT SPECIFICATIONS

Project Location

Palm Beach, Florida

Duration

2010 - 2012

Key Highlights

- Air and Wastewater Sample Collection and Analysis to Address Public Odor Complaints
- Chemical Treatment Study
- Data Analysis
- Wet Well retention and Wastewater Transfer Time Issues Identified
- Tidal Marine Water Seepage Issues Identified

LAKE WORTH DRAINAGE DISTRICT – SPCC PLAN



**CONESTOGA-ROVERS
& ASSOCIATES**

PROJECT EXPERIENCE



CRA conducted a facility inspection and prepared a Professional Engineer-certified Spill Prevention, Control and Countermeasure (SPCC) Plan for the Lake Worth Drainage District's operations complex located in Delray Beach, Florida. CRA's scope of work included a Visit the site to observe, evaluate and develop an understanding of the Lake Worth Drainage District's existing operating conditions. During the site visit, CRA obtained copies of documents and drawings depicting the facility's components and layout, Plot Survey of the site depicting site topography, and anticipated drainage gradients.

Following the site visit, CRA reviewed facility drawings as a prelude to their modification to meet the regulatory SPCC Plan requirements of the State (Florida Department of Environmental Protection) and Federal (Environmental Protection Agency) governments. Based on the inventory and location of materials identified during the inspection, CRA prepared a table and map that included a list of all materials used, stored, and/or produced on the site, emphasizing those materials exposed to storm water with the potential to impact the environment. The map depicted the storage location of the identified materials, numerically linked to the tabular summary for easy cross referencing.

Existing plans were revised to include all outfalls and storm water discharge points, drainage areas of each storm water outfall, the name(s) of the receiving stream(s), the direction of groundwater flow and gradient, identify all storm water drains, the locations of exposed materials, and the locations of any prior spills.

The SPCC Plan included a topographic map indicating the property boundaries, the facility and its components, on-site and nearby surface water bodies, and storm water discharge points. The plan also described all of the methods currently utilized by the Lake Worth Drainage District's or proposed to control significant pollutants in storm water runoff and defined procedures for the inspection and maintenance of oil storage container(s).

PROJECT SPECIFICATIONS

Project Location

Lake Worth, Florida

Duration

2014

Key Highlights

- P.E. and Staff Engineers Site Visit, Document and Plans Review
- Development and Certification of SPCC Plan
- Engineering Review of Facility Operations.
- Preparation of Table and Map of All Regulated Substances Used, Stored, and/or Produced On-site
- Revision of Plans to Add Outfalls, Points of Storm Water Discharge, Drainage Areas, Receiving Stream(s), Groundwater Gradient, Identification of Storm Water Drains, Locations of Exposed Regulated Substances, and Locations of Previous Releases.
- Description of Methods to Control the Discharge of Pollutants to Storm Water Runoff.
- Definition of Inspection and Maintenance Procedures for Petroleum Storage Systems.

FDEP DRYCLEANER SITE CLEANUP PROGRAM



**CONESTOGA-ROVERS
& ASSOCIATES**

PROJECT EXPERIENCE



CRA is currently supporting the Florida Department of Environmental Protection (FDEP) Hazardous Waste Cleanup Section by conducting site assessment and cleanup services in connection with the Dry-cleaning Solvent Restoration Program. To date, CRA has performed contamination assessments at over 500 dry-cleaning facilities and has successfully remediated sites impacted by chlorinated solvents at locations throughout Florida using a variety of innovative remedial methods. CRA also served as the technical consultant to the dry-cleaning industry and has assisted legal counsel in drafting the statutes that eventually became the Florida Dry-cleaning Solvent Restoration Program. CRA is 1 of 13 contractors selected by the FDEP for the assessment and remediation of Dry-cleaning Solvent Restoration Program sites. The program has been ongoing since 1997. CRA has over 20 sites that are currently either in the assessment or remediation phase.

PROJECT SPECIFICATIONS

Project Location

Statewide Florida

Duration

1997 - Ongoing

Key Highlights

- Environmental Remediation
- Environmental Site Assessments
- Water Resources
- Environmental Permitting
- Hydrogeological Services
- Hazardous Waste Site Cleanup

Environmental Engineering
CONESTOGA-ROVERS & ASSOCIATES SPECIFIC RELEVANT EXPERIENCE PROJECT DETAILS

Needs	Garrison Bight Marina Key West, FL	Universal Dry Cleaners Phase I / Phase II ESA Key West, FL	Former Tarmac Batch Plant LUST Assessment/Closure Rockland Key, Key West, FL	Former Fontainebleau Lakes Golf Course Commercial Redevelopment Soil Management Miami-Dade County, FL	Town of Palm Beach A-39 Pump Station Assessment/Closure Palm Beach, FL	Town of Palm Beach Force Main Wastewater Collection System and Wet Wells Odor Control Study Palm Beach, FL	Lake Worth Drainage District – Spill Prevention, Control, and Countermeasure (SPCC) Plan, Lake Worth, FL	Florida Department of Environmental Protection Dry Cleaner Site Cleanup Program (DSCP) Contractor - Assessments/Remediation/ Closures, Statewide, FL
Start & End Dates	2005 - 2011	2009 -2010	2010 - 2014	2012 - Ongoing	2009 - Ongoing	2010 - 2012	2014	1997 - Ongoing
Client Name	Island Tranquility, Inc.	SWC, Inc.	Rockland Investment Corp	CJUF III Development	Town of Palm Beach	Town of Palm Beach	Lake Worth Drainage District (LWDD)	Florida Department of Environmental Protection
Client's Representative	Vincent Bervaldi	Sandra Walters	Steve Henson	Eric Sheppard, Bernard Werner	Jeff Sanon, PE	Douglas Terry, Division Manager	Patrick Martin, PE	Anastacia Davis
Client's Address	711 Eisenhower Drive, Key West, FL 33040	6410 5th Street, Suite 3, Key West, FL 33040	5551 2ND Avenue, Key West, FL 33040	North Miami, FL 33181	Public Works Department, Engineering Services 951 Okeechobee Rd., Suite A, West Palm Beach, FL 33401	Public Works Department, Water Resources Division 951 Okeechobee Rd., Suite A, West Palm Beach, FL 33401	13081 S Military Trail, Delray Beach, FL 33484	Hazardous Waste Cleanup Section / Twin Towers 2600 Blair Stone Road, MS 4520 / Tallahassee, FL 32399-2400
Client's Telephone Number	(305) 294-3093	(305) 294-1238	(305) 294-0277	(305) 613-3193	(561) 838-5440	(561) 838-5440	(561) 498-5363	(850) 245-8967
Key Personnel in Design	Mike Fisher, PG; Alex Chatham, PE	Mike Fisher, PG; Alex Chatham, PE	Mike Fisher, PG	Mike Fisher, PG; Alex Chatham, PE	Mike Fisher, PG; Alex Chatham, PE	Mike Fisher, PG	Alex Chatham, PE	Brian Moore, PE, MBA; Richard Lewis, PhD, PE
Design Services Fee	\$270,000	\$3,600	\$27,000	\$75,000	\$600,000	\$42,500	\$4,500	\$1,700,000
Estimate of Construction Cost	\$195,000	N/A	N/A	N/A	\$400,000	N/A	N/A	N/A
Name of Contractor	Conestoga-Rovers & Associates	N/A	N/A	N/A	Hendry Corporation	N/A	N/A	N/A
Contract Award Amount	N/K	N/A	N/A	N/A	N/K	N/A	N/A	N/A
Constructor's Representative	Mike Bishop, CGC, PSSC	N/A	N/A	N/A	Larry Chapman	N/A	N/A	N/A
Constructor's Address	4019 East Fowler Avenue, Tampa, FL 33617	N/A	N/A	N/A	1650 Hemlock Street, Tampa, FL 33605	N/A	N/A	N/A
Constructor's Telephone Number	(813) 971-3882	N/A	N/A	N/A	(813) 241-9206	N/A	N/A	N/A

N/K = Not Known
N/A = Not Applicable



Section 3 – Past Work Experience

BB&T – Florida and Georgia Projects

Key West

5130 Parkway Plaza Boulevard
Charlotte, NC 28217
John Rybak
(704) 954-1717
jrybak@bbandt.com

Contract Period:	Ongoing
Role:	Prime
Key Team Members:	John Simmons Lucas Barroso-Giachetti, PE, CHMM

Over the last eight (8) years, GLE has successfully emerged as a leading provider of environmental due diligence consulting services for BB&T projects located throughout Florida and Georgia. BB&T is among the nation’s top financial-holding companies and operates more than 1,800 financial centers in 11 states and Washington, D.C. The project conducted in Key West included Phase I and II activities for a property developed over 80 years ago with a two-story residential/commercial structure along Truman Avenue.

GLE’s vast technical expertise in the environmental arena, coupled with our commitment to identifying client needs and risk tolerances on a project by project basis, have resulted in the successful completion of over 1,600 environmental assessments/investigations for this large banking client. GLE has assisted BB&T with environmental due diligence involving a wide range of properties, including gasoline stations, retail shopping centers, restaurants, commercial dry cleaning facilities, apartment complexes, hotels, proposed neighborhood developments, metal recycling facilities and numerous light industrial facilities. GLE has provided BB&T with comprehensive environmental consulting services, including 734 Phase I and 150 Phase II Environmental Site Assessments, 380 Transaction Screening Procedures (TSPs), 55 Stormwater and Erosion Control Assessments, 3rd Party Peer Reviews, Regulatory File Reviews, Contamination Assessments, Remediation Designs and Site Clean-up Services, and Groundwater and Well Monitoring and Sampling Services. GLE has also completed over 40 projects related to asbestos, LBP, cause and origin, structural evaluations, IAQ, hazardous materials, radon and mold consulting services.

During 2009, 2010, and 2011, GLE ranked 1st in the country in terms of overall revenue from environmental projects awarded to consultants and has consistently been rated by BB&T as one of it’s top performing consultants .





Section 3 – Past Work Experience

Homestead Air Force Base
Asbestos and Lead Assessments and Remediation

CCI Solutions
51 Third Street, Building 2
Shalimar, FL 32579
Al Andrews
(850) 613-6236
Aandrews@cci-alliance.com

Contract Period: Ongoing
Role: Prime
Key Team Members:
John Simmons
Lucas Barroso-Giachetti, PE, CHMM
Paul Belyea, PG
Michael Mullen, PE

GLE Associates, Inc. (GLE) was retained by CCI Solutions, LLC (CCI and Client) to conduct environmental assessment, regulatory interface, and excavation oversight services at Operational Unit 30 (OU-30) related to a discharge of asphalt and asphalt-contact wastewater on March 19, 2013, from a runway area located within the Homestead Air Reserve Base (HARB) in Homestead, Miami-Dade County, Florida.

During the project, GLE communicated and coordinated with the following governmental agencies:

- Florida Department of Environmental Protection (FDEP)
- United States Environmental Protection Agency (USEPA)
- United States Air Force (USAF)
- United States Army Corps of Engineers (USACE)
- Miami-Dade County Department of Regulatory and Economic Resources (RER)

Source Characterization

Based on a review of the analytical results of solid and wastewater "source" samples collected at the HARB following the discharge, total recoverable petroleum hydrocarbons (TRPH), arsenic, lead, and several semi-volatile organic compounds (SVOCs), specifically polynuclear aromatic hydrocarbons (PAHs), were reported above the applicable Soil Cleanup Target Levels (SCTLs) and Groundwater CTLs (GCTLs), as established in the Miami-Dade County Environmental Protection Ordinance. The analytical results suggested the COCs were strongly related to the expected asphalt content in the solid and wastewater samples collected. Based on the results of the waste characterization samples, GLE proposed to collect soil confirmation samples within the reported limits of the March 19, 2013 discharge area for the contaminants of concern (COCs) reported above the MDLs in the source characterization samples.

Soil Assessment

Based on information provided by the USACE, GLE was informed that the discharge in the OU-30 area occurred in a location formerly excavated due to documented arsenic and benzo(a)pyrene (BaP) impacts. In summary, GLE advanced total of nine (9) soil borings (SB-1 through SB-9) within the middle of the approximate discharge area and at the approximate boundaries, or anticipated sidewalls, of the proposed excavation. GLE proposed to sample the monitoring well located within the source removal area to assess groundwater quality in the area of the discharge. Based on information provided in figures by USACE, monitoring well OU30-MW09 reported arsenic with a concentration of 42.2 micrograms per liter (µg/L) during 2010.





Section 3 – Past Work Experience

Homestead Air Force Base (cont.)

Asbestos and Lead Assessments and Remediation

Source Removal Oversight and Confirmation Sampling

GLE personnel conducted source removal oversight activities on August 29 and 30, 2013, and backfilling activities on September 3 and 4, 2013. PAH-impacted soils were excavated within and around the delineated discharge area. A total of six (6) sidewall confirmation soil samples (SW-1 through SW-6) were collected and submitted for rush PAH analysis. Analytical results reported PAHs below the applicable SCTLs with the exception of SW-1, which reported BaP concentrations likely associated with the adjoining asphalt roadway. A total of 367.53 tons of PAH-impacted soils and limerock were removed from the OU-30 area and transported to the Clean Earth facility in Moore Haven, Florida. Upon completion of the soil confirmation sampling activities, the excavated areas were backfilled with 401.22 tons of imported clean fill and compacted to match the surrounding grade. GLE provided oversight of the manifesting of the transportation of the impacted soils from the Site to Moore Haven, Florida.

On September 9, 2013, GLE personnel sampled shallow groundwater monitoring well OU30-MW09. Analytical results for groundwater sample EMW-01 from monitoring well OU30-MW09 reported VOCs, SVOCs, PCBs, TRPH, cadmium, chromium, and lead below the applicable MDLs. Arsenic was the only constituent detected above the MDLs, and was reported above the GCTL of 10 µg/L with a concentration of 29 µg/L. The reported arsenic concentration above the GCTL was an existing condition prior to the unlawful discharge event on March 19, 2013, based on information provided to GLE by the USACE. Based on the above results, PAH-contaminated soils appeared to have not impacted groundwater in the immediate vicinity of monitoring well OU30-MW09.

Based upon the soil and groundwater confirmation sampling conducted and the reported analytical results after the source removal activities, GLE did not recommend additional sampling and/or cleanup activities. RER provided a No Further Action (NFA) status for the discharge in correspondence dated December 16, 2013.





Section 3 – Past Work Experience

Jackson Memorial Hospital

Asbestos, Lead, IAQ, Environmental Hazardous
Material Consulting Contract

1611 NW 12th Avenue

Miami, FL 33136

Wayne Ferdinand, MPH, CHSP

P: (786) 295-9005

E: wferdinand@um-jmh.org

Contract Period:	1990- Ongoing
Role:	Prime
Key Team Members:	Lucas Barroso-Giachetti, PE Robert Greene, PE, PG, CIH John Simmons, Jr. Rafe Padgett, CIAQP, CIEC Michael Mullen, PE Michael Collins, CIH

GLE has held an environmental term contract with Jackson Memorial Hospital (JMH) since 1990. During this time, GLE has performed over 210 projects related to indoor air quality (IAQ), asbestos consulting, preparation of contamination assessment plans, performance of contamination assessments, and risk assessments. Realizing that hospital surgical rooms, intensive care units, emergency rooms and life support equipment must have a non-interrupted power supply, GLE operates under strict regulations and caution. A power supply failure in this environment could be catastrophic.

GLE has performed numerous asbestos surveys throughout this 3,000,000 square feet (SF) campus. GLE has also prepared a detailed operations and maintenance program for managing and implementing these materials in-place. As part of this program, GLE trained over 200 maintenance and environmental services personnel. Prior to renovation of various areas of the facility, GLE has prepared plans and specifications for abatement, and performed contract administration and air monitoring during the abatement.

GLE has performed IAQ investigations for various areas and facilities in the hospital. The projects have consisted of interviews with affected individuals, development of testing programs, and inspection of the HVAC systems. Based on the results of our initial inspections and occupant interviews, GLE performed air quality testing, including temperature, relative humidity, carbon dioxide, volatile organic compounds (VOCs), formaldehyde, methane and bioaerosols. GLE also performed evaluations of the HVAC system, including the air handlers and distribution system. After evaluation and testing, GLE developed detailed recommendations for modifications or other remedial actions to improve indoor air quality. During one investigation of the pharmacy, it was noted that hospital personnel were working with a number of cancer testing drugs that were carcinogenic, if inhaled. Since these experimental drugs did not have TLVs or sampling or testing protocols, GLE developed a testing and analysis procedure for detection of low airborne concentrations of these chemicals.

An Expanded Contamination Assessment Plan (ECAP) was prepared by GLE to satisfy the requirements of Miami-Dade County Department of Environmental Resources Management (DERM) prior to the development of a multi-story parking garage on a site near downtown Miami. Previous soil testing programs performed on-site revealed hazardous and non-hazardous concentrations of arsenic and lead. Upon DERM's approval of the ECAP, hazardous contaminated soils were excavated and disposed.





Section 3 – Past Work Experience

Jackson Memorial Hospital

Asbestos, Lead, IAQ, Environmental Hazardous Material Consulting Contract, cont.

As part of the project, GLE also performed a Risk Assessment to develop risk-based acceptable lead levels for the remaining on-site materials. The Risk Assessment addressed potential human and environmental receptors and the potential exposure during and following construction of the parking garage. The Risk Assessment Report was approved by DERM. GLE then prepared a Health and Safety Plan to provide a safe and healthy working environment for the protection of employees and the general public. As a part of this plan, an employee medical surveillance program was conducted which included initial monthly blood sampling throughout the duration of soil related work on the project, and final blood lead level analysis. In addition to medical monitoring, personal and ambient air monitoring was performed to determine airborne concentrations of lead and the potential personal exposure. GLE performed an initial five day air sampling program to determine exposure levels, future monitoring and employee protection requirements. Personal and ambient air monitoring and reporting was performed weekly thereafter, of personal protective equipment, proper hygiene procedures, safe work procedures, medical monitoring and air sampling. GLE's work also included the collection and analysis of numerous composite soil samples during the construction of an exfiltration trench on-site. Analytical results revealed non-hazardous concentrations of lead. Due to the volume of soils excavated from the exfiltration trench and the cost to dispose of them off-site, GLE submitted a proposal to DERM for depositing the soils on-site, under a concrete ramp. DERM approved the soil encapsulation proposal and the client realized significant cost savings. GLE submitted a final report to DERM at the completion of the project.

GLE has performed three (3) contamination assessments for JMH, one of which was at a motor pool facility contaminated with petroleum hydrocarbons. The assessment consisted of an extensive soil boring program and screening with an organic vapor analyzer; installation of shallow and deep monitor wells; groundwater sampling and analysis; determination of the horizontal and vertical extent of soil and groundwater contamination on-site; determination of groundwater flow direction; performance of a potable well survey; research of regional and local geology and hydrogeology; and preparation of a CAR for submittal to DERM.





Section 3 – Past Work Experience

Broward County Courthouse

Comprehensive IAQ & Water Intrusion

Safety & Occupational Health Section

Broward County Risk Management Division

115 South Andrews Avenue, #A510

Ft. Lauderdale, FL 33301

William Wiley, Jr., CMC

(954) 357-6723

wwiley@broward.org

Contract Period: 2011

Role: Prime

Key Team Members:

Robert Greene, PE, PG, CIH

Michael Collins, CIH

Rafe Padgett, CIAQP, CIEC

Brandon Christensen

GLE was initially contracted by Broward County to perform a comprehensive IAQ and Water Intrusion study for the 250,000 SF Broward County Judicial Complex. The Complex consists of four (4) structures, including two (2) 10-story buildings, one (1) 7-story building, and one (1) 6-story building. GLE investigated the facility's building envelope for moisture intrusion and elevated humidity in those areas specified by Broward County as being of concern. Using in-house mechanical engineering and industrial hygiene staff, GLE completed an extensive HVAC system assessment of 93 individual air handling units, in addition to an evaluation of the indoor air environment to determine the presence of mold, temperature and relative humidity, carbon dioxide, carbon monoxide, total particulates, and VOCs. Based on the findings of our investigation, Broward County implemented a maintenance and cleaning program for their HVAC system, and coordinated remediation of various problematic areas, as identified by GLE, having visible mold and/or elevated airborne concentrations of mold spores. Furthermore, following remedial efforts, Broward County requested GLE to reassess those areas to determine the completeness of remediation. Consulting and testing fees associated with the initial evaluation was approximately \$45,000.00.





Section 3 – Past Work Experience

Miami International Airport

Architectural, Engineering & Environmental Term Contract

4200 NW 36th Street, Building 5A, Suite 400
Miami, FL 33122
Foster Mack
(305) 876-8326
fmack@miami-airport.com

Contract Period: 1991 - Ongoing

Role: Prime

Key Team Members:

Lucas Barroso-Giachetti, PE

Robert Greene, PE, PG, CIH

John Simmons

Rafe Padgett, CIAQP, CIEC

Brandon Christensen

Jeff Knight

GLE has been contracted with Miami-Dade Aviation Department (MDAD) since 1991 to provide miscellaneous hazardous engineering services. To date, we have completed approximately 175 individual projects totaling over \$1.25 million in fees. Work has included facilities consulting, including IAQ assessments and remedial design for asbestos, lead and radon. GLE completed a highly sensitive asbestos remediation project in Building 5A (the primary aviation administration facility), where IAQ issues were identified and addressed. GLE's design and construction administration skills enabled the project to be completed on schedule without displacing the current occupants or causing a loss of staff productivity. The work involved the coordination of four (4) other consultants and five (5) contractors performing work on each of the five (1) floors simultaneously with work areas ranging from 5,000-8,000 SF each.

Concourse C Level 1 Asbestos Abatement/Demolition/ Renovation

GLE was the prime consultant for a two-phased \$1,000,000.00 abatement, demolition and renovation project addressing Level 1 of Concourse C of the Miami International Airport (MIA). During a proposed renovation for the installation of a new baggage handling system, it was discovered that the original 1935 Concourse had been left in place and that a 1965 three-story major addition had been constructed over this concourse. GLE was retained for the project, and initial testing and investigations revealed asbestos-containing material (ACM) fireproofing on the structure above the original Concourse and a variety of other ACM in the walls and in the adjacent operating mechanical rooms.

It was discovered that the majority of the wiring for power, lighting, communications and life safety was constructed in the plenum area above the roof and below the fireproofing. The entire plenum area was heavily contaminated. These systems needed to be rerouted and activated before abatement could begin. GLE coordinated the electrical, mechanical, and structural design in addition to providing the abatement and replacement documents.

Phase I was designed and constructed within a firm deadline to avoid the airport having to pay delay damages to one of its users. This phase was designed, bid, and completed within the designated timeframe. The electrical, mechanical and communications lines were rerouted to either non-contaminated areas or to areas, which were abated separately in accordance with the project sequencing. Phase II work also involved the reconstruction of part of the space into occupied areas and involved complete architectural services as part of the task.

The project required intense coordination between various departments of the airport, the user (American Airlines), various Miami-Dade County Departments, and the various consultants and required working in a restricted area during specified timeframes. Half of the renovated facility now accommodates the conveyor system for baggage handling operation, while the other half serves as offices and assembly spaces for American Airlines personnel. Two programmatic features included the need to complete this apron level construction without disrupting normal airport activities on the two floors above, and coordinating the baggage conveyor equipment installation with American Airlines' existing conveyor system without disrupting its operation.

IAQ Evaluation, Building 5A

GLE completed a highly sensitive asbestos remediation project in Building 5/5A, the primary aviation administration facility, where IAQ issues were identified and addressed. GLE's design and construction administration skills enabled the project to be completed on schedule without displacing the current occupants or causing a loss of staff productivity.

Cargo Buildings, Asbestos Abatement & Demolition

GLE was contracted to perform facility surveys and design services for the removal of asbestos containing materials and subsequent demolition of four cargo buildings consisting of a total of approximately 625,000 SF. Included in the project was field verifying the locations of all utilities servicing the structures, including mechanical, electrical and fuel supply lines, and ensuring that these were properly taken off-line without disrupting airport operations.

Concourse E Satellite Transit Shuttle Miami, Lead-Based Paint Abatement

GLE performed testing of the steel structure supporting the Concourse E Satellite Transit Shuttle for the presence of lead-based paint (LBP), and assessed the potential impact of our findings with regards to the refurbishment project scheduled for the structure. The shuttle support structure is approximately one mile in length round-trip, 25 feet wide and in some locations 40 feet off the ground with continuous traffic flow below. Our findings indicated that LBP was present over all exposed steel support surfaces. GLE was requested to design and apply value engineering principals to abatement activities to reduce the potential \$4 million dollar cost to abate the entire structure to \$500,000 in order to allow for the refurbishment project to proceed within budget and on schedule. GLE obtained structural plans from the engineering firm, and was able to design the project to abate only those locations to be directly impacted by the scheduled project. The final cost for contracting and consulting services associated with the largest lead abatement project ever undertaken at MIA was approximately \$425,000.





Section 3 – Past Work Experience

Miami International Airport (cont.)

Architectural, Engineering & Environmental Term Contract

Asbestos Abatement

GLE was contracted to perform facility surveys and design services for the removal of asbestos-containing materials and subsequent demolition of four cargo buildings consisting of a total of approximately 625,000 SF. Included as part of the project was field verifying the locations of all utilities servicing the structures, including mechanical, electrical and fuel supply lines, and ensuring that these were properly taken off-line without disrupting airport operations.

Asbestos/Lead/Radon Survey, Homestead Air Reserve Base (HARB), Homestead, FL

GLE was retained by MDAD to provide complete inspections for asbestos, LBP and radon for 77 buildings (978,800 SF) as part of the takeover of HARB by Dade County, following base closure. These buildings were part of MIA's plan to move the air cargo operations to the Homestead location. GLE provided a four-man team working over weekends to meet the project requirements. GLE's contract included the development of CADD floor plans since most base documentation was destroyed by Hurricane Andrew. Asbestos surveys were conducted which met NESHAP requirements utilizing a modified AHERA sampling scheme. LBP was surveyed using 3rd generation XRF units. Where XRF sampling was inconclusive, paint chip samples were collected and analyzed. Radon measurement was conducted using charcoal absorption devices. For each building, a final report was prepared which detailed the finding of the asbestos, LBP and radon survey and presented cost estimates for abatement. A complete asbestos O&M Plan was prepared.

"Thank you for the excellent service and high level of professionalism your staff has provided me at Miami International Airport. GLE's work over the past years has helped our facility maintain Airport Operations and recognize real cost savings throughout many asbestos abatement operations we have conducted throughout our facilities. I can strongly recommend GLE to any airport facility managers for the performance of environmentally related projects. Since GLE is fully aware of specific airport concerns, such as security, maintaining an operation facility and, of course, the overall liability associated with such work, I am confident that any such projects you take on will be very successful. I look forward to continuing to work with you in the future."

– Foster Mack, Miami-Dade County Aviation Department.



Environmental Engineering
GLE ASSOCIATES, INC. SPECIFIC RELEVANT EXPERIENCE PROJECT DETAILS

Needs	Jackson Memorial Hospital, Miami, FL	Broward County Courthouse, Ft. Lauderdale, FL	Miami Int'l Airport, Miami, FL	BB&T, Key West, FL	CCI Solutions, Key West, FL
Start & End Dates	1990-Ongoing	2011	1991--ongoing	2011	Ongoing
Client Name	Jackson Memorial Hospital	Broward County Courthouse	Miami Int'l Airport	BB&T	CCI Solutions
Client's Representative	Wayne Ferdinand, MPH, CHSP	William Wiley, Jr., CMC	Foster Mack	John Rybak	Al Andrews
Client's Address	1611 NW 12th Avenue Miami, FL 33136	115 South Andrews Avenue, #A510 Ft. Lauderdale, FL 33301	4200 NW 36th Street Miami, FL 33122	5130 Parkway Plaza Boulevard Charlotte, NC 28217	51 Third Street, Building 2 Shalimar, FL 32579
Client's Telephone Number	(786) 295-9005	(954) 357-6723	(305) 876-8326	(704) 954-1717	(850) 613-6236
Key Personnel in Design	Lucas Barroso-Giachetti, Michael Collins, Rafe Pdgett	Rafe Padgett, Michael Collins	Lucas Barroso-Giachetti, Rafe Pdgett	Lucas Barroso-Giachetti	Lucas Barroso-Giachetti
Design Services Fee	NK	45,000	NK	NK	NK
Estimate of Construction Cost	NK	NK	NK	NK	NK
Name of Contractor	NK	NK	NK	NK	NK
Contract Award Amount	NK	NK	NK	NK	NK
Constructor's Representative	NK	NK	NK	NK	NK
Constructor's Address	NK	NK	NK	NK	NK
Contractor's Telephone Number	NK	NK	NK	NK	NK

N/K = Not Known
N/A = Not Known



City of Key West
Coastal Engineering Services
Scope of Services Matrix



**SWC TEAM
RELEVANT PROJECT
EXPERIENCE**



Engineering
Design
Surveying
Permit Preparation
Environmental Assessments
Contracts
Construction Admin & Owner
Rep
Types of Coastal Structures
Team Member

Projects in City of Key West

= within 5 years
 = more than 5 years

Tarpon Pier Replacement, Garrison Bight, Key West	X	X	X	X	X	X	X	Docks, Marinas	HWA, SWC & Island Survey
A&B Marina Water Quality Plan, Clean Marina, and Water Quality Monitoring, Key West					X			Docks, Marinas	SWC
Permit Compliance and Mangrove Trimming Authorization, Key West		X	X	X	X			N/A	SWC
Key West Mooring Field Pilot Project, Key West			X					Docks, Mooring Fields	SWC
Mallory Dock Maintenance Dredge, Key West		X	X	X	X	X	X	Docks, Dredging	SWC
South Roosevelt Seawall Repair Seagrass Monitoring, Key West				X	X			Seawalls	SWC
Key West Mooring Field Seagrass Monitoring, Key West					X			Dockage, Mooring Fields	SWC
Key West Harbor Submerged Habitat Study & Sediment Analysis, Key West					X			N/A	SWC
Casa Marina Survey, Key West			X					N/A	Island Survey
The Reach Survey, Key West			X					N/A	Island Survey
U.S. Navy, Surveys at Key West Installations			X					Erosion Control	Island Survey
Oceanside Marina Survey, Key West			X					Marinas	Island Survey
Fort Zachary Taylor State Park, Key West	X	X	X	X	X	X	X	Beach Re-nourishment, Erosion Control	C-C

Projects in the Florida Keys

Wastewater Project Horizontal Directional Drill Permitting & Monitoring, Islamorada				X	X		X	N/A	SWC
Sunset Harbor Seawall Replacement, Stock Island, Monroe County	X	X	X	X	X	X	X	Docks, Seawalls	SWC & HWA

SWC TEAM RELEVANT PROJECT EXPERIENCE



Engineering
Design

Surveying

Permit Preparation

Environmental Assessments

Contracts

Construction Admin & Owner Rep

Types of Coastal Structures

Team Member

Caloosa Cove Permitting Assessment for Maintenance Dredging, Islamorada				X	X			Marinas	SWC
Residential and Marina Redevelopment Project, Marathon	X	X	X	X	X			Docks, Marinas	SWC
Maranu Luxe Bungalow and Spa Resort, Marathon	X	X	X					Marinas	C-C
Mandaly Marina, Key Largo	X	X	X					Marinas	C-C

= within 5 years
 = more than 5 years

Projects in Southeast/Southwest Florida

Stormwater Filter Marsh, Naples				X	X			N/A	SWC
Port Everglades Master Plan, Ft. Lauderdale	X				X			Docks, Marinas, Seawalls, Bridges, Erosion Control	SWC
Snookbight Yacht Club and Marina, Fort Myers Beach	X	X	X	X	X	X	X	Docks, Marinas	HWA
Diversified Yacht Services, Fort Myers Beach	X	X	X	X	X	X	X	Docks, Marinas	HWA
Oak Creek, City of Bonita Springs	X	X	X	X	X	X	X	N/A	HWA
Gulf Harbour Master Association, Fort Mters	X	X	X	X		X	X	Erosion Control	HWA
Big Carlos Pass Bridge, Lee County	X	X	X	X	X	X	X	Bridges	HWA
Manatee Park Seawall, Fort Myers	X	X		X	X	X	X	Seawalls	HWA
Herbert Hoover Dike Project, Glades County			X					N/A	HWA
Dade Boulevard/Collins Canal Seawall Replacement, City of Miami Beach	X	X					X	Seawalls and Docks	C-C
Crandon Marina Sedimentation Study, Miami	X	X	X		X			Seawalls, Erosion Control, Beach Nourishment	C-C
North Bay Road Bridge Scour Analysis, City of Sunny Isles Beach	X							Bridges	C-C
One Miami Condominium, Miami	X	X	X	X	X			Seawalls	C-C

**SWC TEAM
RELEVANT PROJECT
EXPERIENCE**



	Engineering	Design	Surveying	Permit Preparation	Environmental Assessments	Contracts	Construction Admin & Owner Rep	Types of Coastal Structures	Team Member
Vizcaya Shoreline Stabilization and Wetland Restoration Project, Miami	X	X		X	X	X	X	Seawalls	C-C
Costa Brava Marina Project, Miami Beach	X	X		X	X	X	X	Marinas	C-C
Hillsboro Club Beach Restoration, Hillsboro Beach	X	X		X	X	X	X	Beach Design & Beach Re-nourishment	C-C

= within 5 years
 = more than 5 years



**City of Key West RFQ No. 14-004
Coastal Engineering Services**

SWC SPECIFIC RELEVANT EXPERIENCE IN LAST 5 YEARS

Wastewater Project Horizontal Directional Drill under Seven Channels—Permitting and Monitoring, Islamorada, Village of Islands

As part of Islamorada's project to install a wastewater transmission system to connect to the Key Largo treatment plant, SWC coordinated with all regulatory and resource management agencies to identify issues of concern, conducted wetland and benthic resource data collection requested by the agencies, and worked with project engineers to avoid all impacts to resources. SWC prepared and processed detailed permit applications that addressed agency concerns, and acquired all permits from the Florida Department of Environmental Protection, U.S. Army Corps of Engineers, and Florida Keys National Marine Sanctuary within less than three months of submittal.

SWC provided full-time onsite environmental compliance monitoring services during the seven months of drilling activities following staff training and coordination with the project engineer and contractor to design an effective monitoring protocol,. Work included developing and providing summary reports following to the contractor the completion of each drill to provide the regulatory agencies, as required under permit conditions. The project was a great success, with no negative impacts to sensitive coastal and marine resources.

Please see the attached table for all required project details. Also, please see the related detailed project sheet.

Tarpon Pier Replacement, Garrison Bight, Key West

SWC worked as a subcontractor to Hans Wilson & Associates, Inc. on this project, in charge of environmental data collection, and development and implementation of an impact assessment and mitigation plan, for replacement of an existing City pier in Garrison Bight. Work included mapping submerged resources including seagrasses and corals, coordination with the Florida Keys National Marine Sanctuary and Florida Department of Environmental Protection, and transplantation of impacted corals consistent with Sanctuary requirements.

Please see the attached table for all required project details. Also, please see the related detailed project sheet.



A&B Marina Water Quality Management Plan, Clean Marina Designation, and Water Quality Testing, Key West Bight

SWC was contracted to assist the marina with meeting new submerged land lease requirements that include conducting regular water quality monitoring. SWC first met with Florida Department of Environmental Protection (DEP) staff and identified a course of action that involved preparing a water quality management plan for the marina documenting that best management practices are being implemented to ensure that no release of contamination takes place. The plan was submitted to and approved by DEP.



As the marina was in the process of expanding its existing wastewater pumpout facility to provide pumpout sites at each slip, SWC and DEP developed a semi-annual water quality monitoring schedule that started following this construction, and the first sampling took place on July 2, 2014, with four more weekly samplings included in the first, wet-season event. DEP required fecal coliform bacteria be tested for, so samples must be transported to the only laboratory in the Florida Keys, located in Marathon, within 6 hours of collection. Following the five sampling events, a report will be prepared and submitted to DEP. The second semi-annual monitoring event will take place in the dry season.

Concurrent with development of the water quality management plan, SWC worked with marina management to develop and submit to DEP the application materials for State Clean Marina status. DEP staff visited the site in June 2014 and SWC is working on minor management plan revisions to address all requirements. Designation is expected within the next few months.

Please see the attached table for all required project details.



Permit Compliance and Mangrove Trimming Authorization, Key West

SWC has worked with first the developer and then the homeowners association at the Seaside Condominiums since 2005. The first project involved a permit compliance issue with the South Florida Water Management District. SWC conducted an extensive review of design and permitting information regarding the project, coordinated at length with the District, and identified the specific issues of concern and the full nature of their scope. SWC, working with the client, then negotiated a settlement agreement with the District that provided, in lieu of a punitive fee, the designing, permitting and constructing of an environmental restoration project within the Salt Ponds. The settlement agreement was adopted by the District, the project built, and the District gave an award to the developer for their cooperative approach in resolving the problem.

More recently, the property needed to trim mangroves that were starting to obscure views from as high as the second floor of units. This proved to be a complex process because some, but not all, of the mangroves were in a conservation easement. In addition, red mangroves were growing into stormwater swales, which would lead to dredging of the stormwater system. SWC mapped all the mangroves that required trimming and removal, delineated which areas were within the conservation easement and the size of the areas, prepared figures providing detailed information regarding how mangroves would be trimmed, and designed a trimming project consistent with Florida's Mangrove Trimming Statute. SWC also met with District staff onsite. The firm then submitted a detailed report to the District requesting the trimming, and documenting the clearing of red mangroves in the stormwater swales as exempt maintenance of the stormwater system.



The District issued authorizations for all work, and first stages of trimming have taken place, because, due to the amount of trimming, only 25 percent can be implemented in a given year.

Please see the attached table for all required project details. Also, please see the related detailed project sheet.



Caloosa Cove Marina Permitting Assessment for Maintenance Dredging, Islamorada, Village of Islands

SWC was recently retained to make an assessment of whether it would be feasible to maintenance dredge a marina in Islamorada. Two factors are critical to acquisition of maintenance dredge permits in the Florida Keys, as specified by State regulations and County and Village Code—at least 4 feet of depth from the mooring area to open water, and no seagrass beds or corals within the area requiring maintenance dredging. Field investigation found adequate water depth and no protected marine resources, and, therefore, SWC determined that acquiring local, State and federal permits for maintenance dredging should be feasible.



The client also requested an estimated timeline for the permitting process. SWC prepared a Gantt chart identifying all permitting tasks and durations, estimating that approximately 10-12 months would be required. Much of this time is due to the current requirement that U.S. Army Corps of Engineers applications for all in-water construction projects in Florida must be reviewed by the National Marine Fisheries Service, which, due to major backups due to the permit volume, is taking at least 6-8 months.

Please see the attached table for all required project details.



Sunset Harbor Seawall Replacement, Stock Island, Monroe County



SWC is working for the Sunset Harbor Mobile Home Park to implement replacement of old seawalls in the interior canal at this Stock Island property. Hans Wilson & Associates, Inc. is working as a subcontractor to SWC as the engineer of record. A benthic assessment was conducted to determine if any protected resources would be affected, and no seagrasses or corals were found in the canal or on the canal walls.

HWA prepared permit sketches presenting the conceptual seawall replacement design, and then worked with SWC to prepare all permit application materials to thoroughly address specific permitting issues, and in particular, concerns of National Marine Fisheries Service (NMFS) which must review all in-water construction permit applications in Florida. Applications were filed with the South Florida Water Management District and U.S. Army Corps of Engineers in September 2013, and the District exemption was received in November 2013. The Corps application is still pending completion of NMFS review, which has been in progress for more than 6 months.

Currently SWC and HWA are working with the client to prepare final detailed seawall design, so that, once the Corps permit is issued, County building permit applications can immediately be filed. Geotechnical data was recently collected to assist in that process.

Please see the attached table for all required project details.

Key West Mooring Field Pilot Project, Key West

SWC, working with the Monroe County Marine Resources Department, conducted a one-year study of moored vessels around Key West Mooring Field as part of County and State mooring field pilot project. Work involved monthly data collection of locations and types of vessels, analysis and report preparation. This study provided valuable data for Monroe County’s decision-making process to identify areas where additional mooring fields and protection zones should be placed.

Please see the attached table for all required project details.





Stormwater Filter Marsh, Naples

The City of Naples has a significant problem with direct discharge of untreated stormwater into Naples Bay, which has resulted in the Bay receiving the State designation of an Impaired Water Body. To address this, the City is working to create natural filtration areas to treat stormwater before it is discharged. SWC conducted all environmental components of designing and permitting a filter marsh, including conducting a wetland jurisdictional determination, habitat evaluation, and threatened and endangered (T&E) species survey; conducting a Florida Uniform Mitigation Assessment Method (UMAM) evaluation of wetlands that would be affected by the project; developing an impact assessment and mitigation plan for unavoidable impacts; and providing general assistance with preparing and processing permit applications with the Florida Department of Environmental Protection and US Army Corps of Engineers (USACE).

Please see the attached table for all required project details. Also, please see the related detailed project sheet.

Port Everglades Master Plan, Ft. Lauderdale

SWC began work at Port Everglades in 2006, conducting all natural systems and contamination-related data collection and analysis and permitting assessments for the five-year master plan and a subsequent update, including incorporation of the updated plan into the Broward County comprehensive plan. SWC again conducted the same tasks for the most recent update, including assessing the recently-released U.S. Army Corps of Engineers Harbor Deepening and Widening Feasibility Study and Draft Environmental Impact Statement. These 2013 Corps documents evaluate impacts on wetlands and benthic habitat, including seagrasses and corals, and provide a mitigation plan for unavoidable impacts, and are currently undergoing extensive review and revision by resource management agencies.

Please see the attached table for all required project details. Also, please see the related detailed project sheet.

HORIZONTAL DIRECTIONAL DRILL (HDD) PERMITTING & MONITORING ISLAMORADA, VILLAGE OF ISLANDS, FLORIDA KEYS

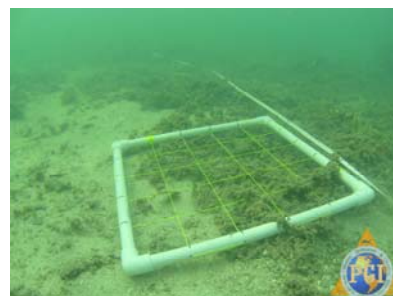
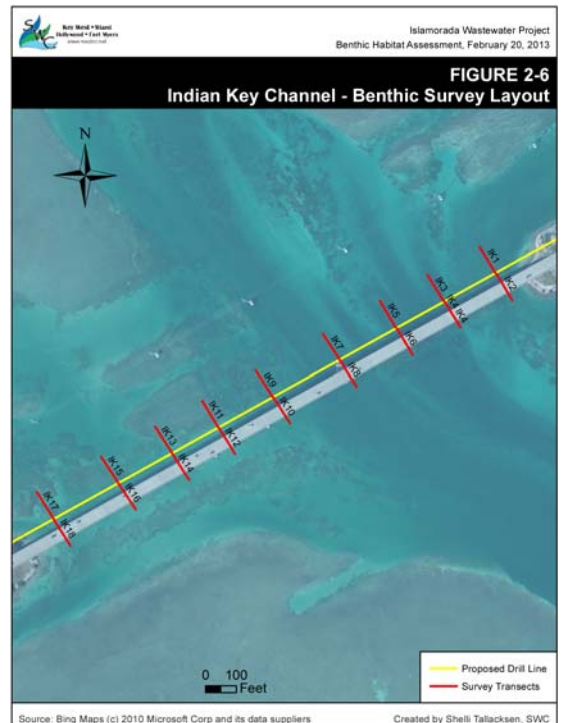
Islamorada, Village of Islands, in partnership with Reynolds Water Islamorada is working to extend sanitary sewer service to its incorporated islands of Plantation Key, Windley Key, and Upper and Lower Matecumbe keys. Wastewater will be collected from residential and commercial areas and conveyed to the Key Largo Wastewater Treatment Facility via a transmission main installed along US Highway 1, and under seven channels in FDOT right-of-way utilizing Horizontal Directional Drill (HDD) technology. The project is on an expedited schedule to comply with the December 2015 State of Florida-mandated project completion date.

SWC was responsible for acquiring all required HDD environmental permits, including performing all pre-construction data collection tasks. Work included an extensive marine data collection process in the area of the drill corridors that incorporated more stringent assessment protocols now required as a result of recent additions of coral species to the federal endangered species list. One of the upland staging area locations also required protected species data collection.

With effective advance coordination and thorough applications, SWC acquired permits from the Florida Department of Environmental Protection, U.S. Army Corps of Engineers, and the Florida Keys National Marine Sanctuary within three months of filing the applications, a task that typically takes 12-18 months. SWC and engineers were able to avoid impacts to all wetlands at the staging areas—a major accomplishment that greatly reduced permitting issues.

Specific SWC accomplishments included:

- ❖ work with project engineer to identify corridors and staging areas
- ❖ extensive coordination with staff of U.S. Army Corps of Engineers, Florida Department of Environmental Protection, Florida Keys National Marine Sanctuary, Environmental Protection Agency, National Marine Fisheries Service, and U.S. Fish and Wildlife Service prior to application submittal
- ❖ design of benthic habitat survey methodology to assess seven bridge spans across navigational channels
- ❖ coordination with project engineers to develop construction plans that avoid and minimize impacts to natural resources
- ❖ supervision of field data collection, conduct analysis of data, and prepare report presenting benthic data
- ❖ preparation of permit applications and all attachments to address all questions raised by permit and review agencies
- ❖ filing of permit applications within three months of work inception
- ❖ working with agencies to address any remaining questions and make requested revisions to permit documents—with no official Requests for Additional Information (RAIs) to slow the process
- ❖ acquiring all permits in less than three months from filing applications
- ❖ provided full-time environmental compliance monitoring and reporting during drills, as required by FKNMS permit



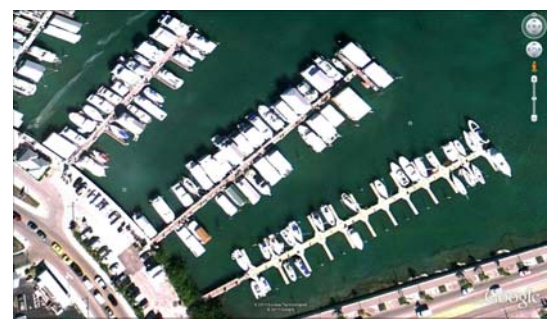
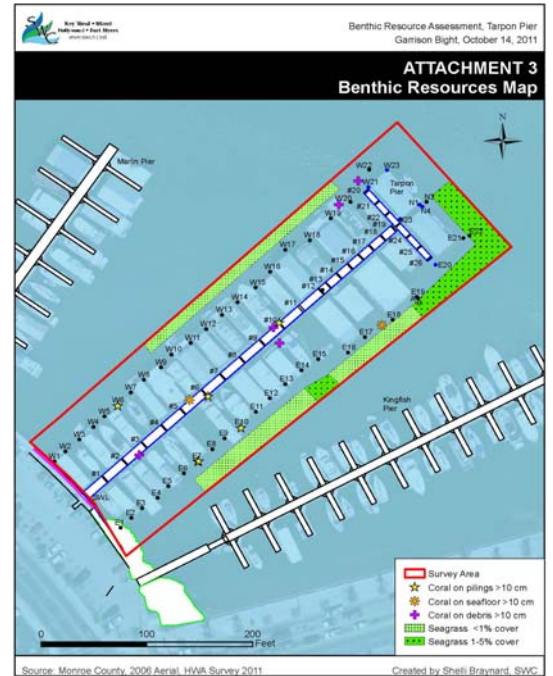
TARPON PIER REPLACEMENT CITY OF KEY WEST

SWC (Sandra Walters Consultants, Inc.) provided environmental resource permitting and construction support for the Tarpon Pier Replacement project at Key West's City Marina. Tarpon Pier functions as a residential facility, providing liveaboard mooring for a variety of vessels, including floating house structures. The project entails replacing the existing fixed pier with a floating dock and adding 22 finger piers for improved access to vessels. All infrastructure supporting the dock will also be replaced, including potable water, electricity, fire suppression, sewage hookups, cable TV, and telephone.

Permitting involved pre-construction marine environmental resource assessment and extensive coordination with Florida Keys National Marine Sanctuary staff to ensure removal/relocation/mitigation for potentially impacted submerged aquatic vegetation and coral resources.

SWC responsibilities included:

- ❖ coordinating with Florida Keys National Marine Sanctuary, City of Key West, and engineering and design consultants
- ❖ conducting benthic resource habitat assessment including quantification and characterization of both seagrass and coral resources in the construction area
- ❖ coordinating with project engineers to develop construction plans that avoid and minimize impacts to natural resources
- ❖ supervising field data collection and analysis, and provision of benthic survey report
- ❖ planning and managing coral relocation and transplantation efforts prior to construction commencement
- ❖ conducting a post-construction monitoring and compliance survey of marine resources in the area of the new pier



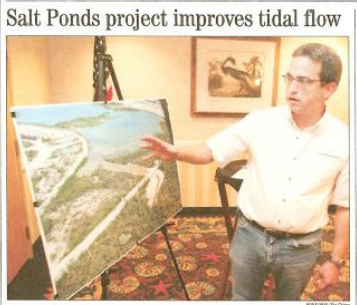
PERMIT ASSISTANCE SEASIDE CONDOMINIUMS City of Key West

SWC worked with the owners of the condominium complex on South Roosevelt Boulevard in Key West and South Florida Water Management District (SFWMD) staff to settle issues regarding the status of compliance with the property’s environmental resource permit. Non-compliance proved to be largely procedural, but the client chose to “go the extra mile” and offered to make a significant improvement to the adjacent, environmentally-sensitive Salt Ponds.

A meeting with local environmental activists resulted in identification of a project—installation of a culvert under a City road that would restore the hydrologic connection between the Riviera Canal and western Salt Ponds. SWC worked with the District to develop a consent agreement that spelled out in detail all further work required on the client’s property as well as the offsite project. The agreement was adopted unanimously by the SFWMD governing board and was also accepted by the U.S. Army Corps of Engineers.

Following installation of the Salt Ponds culvert, the SFWMD held a ceremony awarding a plaque of appreciation to the property owners for being so cooperative in settling the agency’s concerns and being proactive for the environment, and a front-page article in the local newspaper commemorated the event.

In 2013, SWC worked with property managers and the South Florida Water Management District to acquire permits for a complex mangrove trimming project that included a conservation easement and limitations on trimming due to mangrove heights.



Salt Ponds project improves tidal flow

Developer bankrolls culvert as mitigation effort

BY SHARON BOLEN
Reporter

A Key West developer created a new culvert Tuesday for doing the right thing after spending \$200,000 to restore tidal flow to the city's Salt Ponds by installing a culvert under Government Street and off Hagler Avenue.

Bill Butler, developer of the Southcoast community along South Roosevelt Boulevard, which includes three Salt Ponds apartments, said his firm and other Salt Ponds owners had to complete mitigation work in order to get commercial projects rezoned for buildings there to continue.

His options included paying a penalty or completing a variety of small environmental projects on the site of the condominium development.

Butler said he had long wanted to build a new culvert to restore tidal flow to the Salt Ponds, a non-adjacent wetland area that has been a source of concern for the city's environmentalists.

"They agreed to do some mitigation for building mitigation, and agreed to some really unique mitigation," Butler said on Tuesday. "This culvert stream, a small area environment and then Butler went beyond what he was required to do."

"This is the first major initiative toward mitigation and enhancement of the Salt Ponds," said Stacy Myers, a lead environmental analyst with SFWMD, who attended a bankroll ceremony to recognize Butler's efforts after meeting with Chairman of the Salt Ponds, a non-adjacent wetland area that has been a source of concern for the city's environmentalists.

The Salt Ponds area of Key West has been a source of concern for the city's environmentalists because of its unique location and because of its location, meaning it's not just a salt pond but a salt pond with a unique location.

"That culvert was one of the main items on our wish list," said Tom Dwyer, a founding member of the City of Key West, "and getting that off of our wish list through the efforts of the Salt Ponds."

The city also is working on several other mitigation projects to further restore tidal flow through the Salt Ponds, he said.

mbolton@keywest.com





SeaSide Key West Residences

SWC, INC.
6410 Fifth Street, Suite 3
Key West, FL 33040
Attn: Sandy Walters

March 28, 2013

Dear Sandy,

As our current relationship comes to a close I find myself thinking back over the last ten years. It has been quite a journey. In 2003 or 2004 you were working to get our developer out of trouble with the State of Florida. In 2005 we inherited some of his issues and have been using your services ever since to bring them to a close beneficial to our property owners. Our relationship started with our need to separate ourselves from the developer issues that had nothing to do with our property at Seaside. Your use of your legal team including Luna Phillips to complete this separation was well thought out and in the end most effective. Proceeding from our now clean slate, with your help, we were able to move towards our ultimate goal of obtaining a mangrove-trimming permit. At first the Board of Directors and I were hoping to get a one-time permit to do some fairly heavy trimming and recover some of the lost ocean views. It was not thought possible to get an in perpetuity permit to be able to always keep the mangroves trimmed to a reasonable height. You have now accomplished that also.

Sandy, setting aside your wonderful team of staff, biologists and scientists and their terrific skills, my belief is your real skill lies in your ability to navigate our government systems and have developed a relationship with these people that comes to the direct benefit of your clients. We are in awe.

With Humble Regard

Niels C. Weise, LCAM
SeaSide Key West Residences Home Owners Association, Inc.

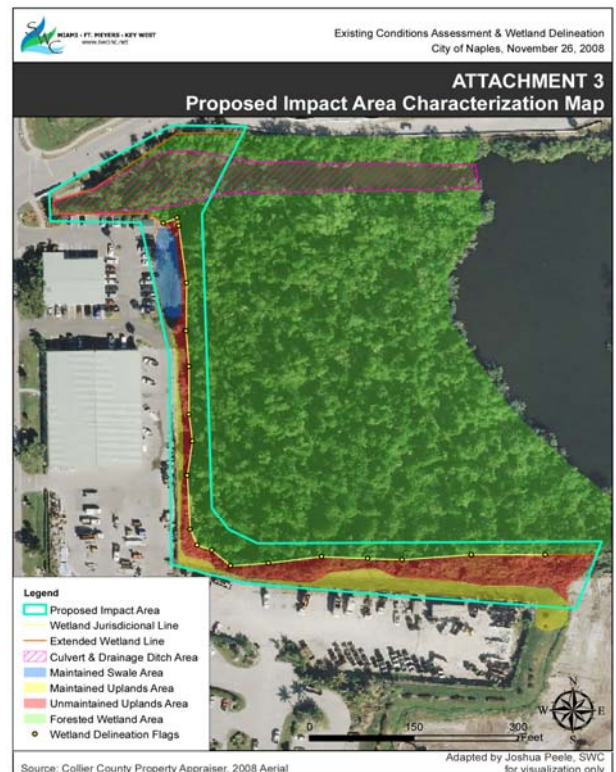
STORMWATER FILTER MARSH PROJECT

City of Naples, FL

SWC (Sandra Walters Consultants, Inc.) was in charge of field data collection and environmental documentation for the design and successful permitting of a filter marsh for the City of Naples stormwater system. SWC used extensive knowledge of wetland ecological systems and the environmental resource permitting process to assist in project design to minimize resource impacts and to prepare thorough and effective permit documents.

SWC responsibilities included:

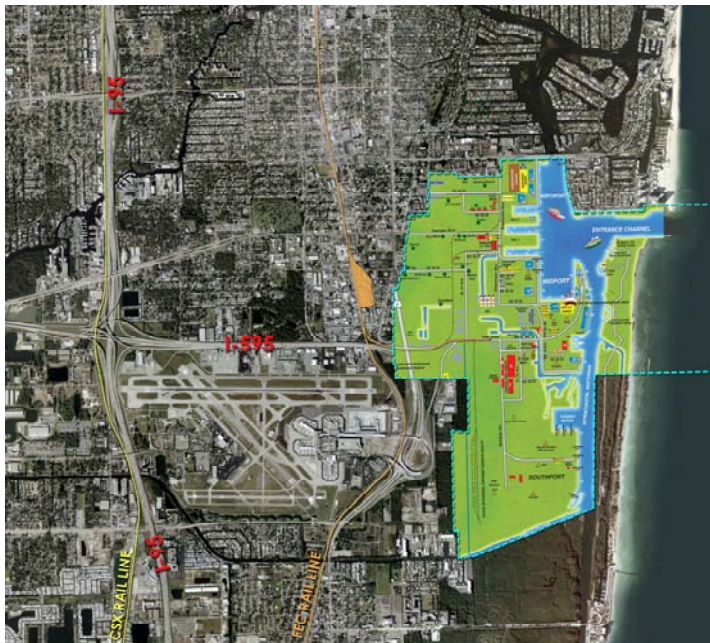
- ❖ coordinate with South Florida Water Management District, Florida Department of Environmental Protection, and U.S. Army Corps of Engineers field and regulatory review staff to determine permitting responsibilities, acquire agency agreement with wetland jurisdictional determination, and facilitate permit application review,
- ❖ using federal and State of Florida methodologies, conduct field investigation to identify, evaluate and delineate wetlands within project area, the wetland jurisdictional determination from which has received approval from DEP field staff,
- ❖ document threatened and endangered species utilization of project area,
- ❖ take detailed field measurements using sub-meter accurate GPS equipment,
- ❖ characterize project area ecologically and map using ArcGIS 9.3 software.
- ❖ develop functional gain and loss scoring using Florida's Uniform Mitigation Assessment Method (UMAM),
- ❖ prepare detailed Existing Conditions Assessment & Wetland Delineation report to aid engineering team in development of project design,
- ❖ prepare detailed Impact Assessment and Mitigation Plan to implement final project design,
- ❖ respond to completeness summaries.



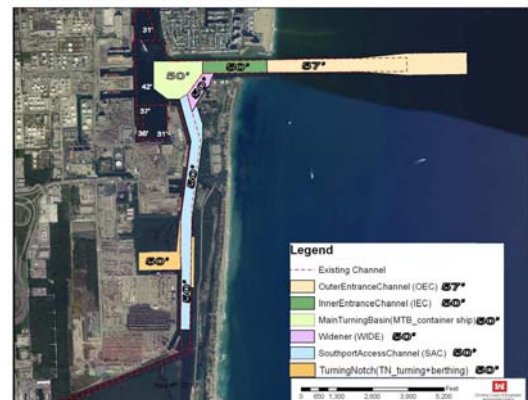
PORT EVERGLADES MASTER PLAN UPDATE

SWC (Sandra Walters Consultants, Inc.) is in charge of all environmental components of the Port Everglades Master Plan Update. Work has involved:

- site recognition of upland and marine Port facilities;
- collecting current data on all existing submerged and emergent wetland habitats in and near the Port and entrance channel, including mangroves, seagrasses and corals;
- collecting current data regarding all listed species in and near the Port, including Acropora corals, manatees, smalltooth sawfish, and wood storks;
- collecting current data regarding existing and potential contamination sources on the Port property;
- analyzing existing conditions and proposed Port and entrance channel expansion plans in relation to environmental impacts and permitting requirements;
- assessing alternative plans for moving the conservation easement associated with expansion of the Turning Notch that includes 8.7 acres of mangrove impacts, as well as mitigation plans;
- assessing the impacts of sea level rise to future Port plans,
- preparing text and illustrative figures for relevant sections of the master plan update document;
- extensive agency coordination and participating in agency and public involvement meetings;
- addressing questions and comments from agencies and the public regarding environmental elements of the Plan Update; and
- preparing text to incorporate environmental sections of the finally-adopted Plan Update into the Broward County Comprehensive Plan.



PORT EVERGLADES Draft NED Plan



Coastal Engineering

SWC SPECIFIC RELEVANT EXPERIENCE PROJECT DETAILS

Needs	Wastewater Project Horizontal Directional Drill under Seven Channels--Permitting and Monitoring, Islamorada	Tarpon Pier Replacement, Garrison Bight, Key West	A&B Marina Water Quality Management Plan, Clean Marina, & Water Quality Testing, Key West Bight	Caloosa Cove Marina Permitting Assessment for Maintenance Dredging, Islamorada	Permit Compliance and Mangrove Trimming Authorization, Seaside Condominiums, Key West, FL	Sunset Harbor Seawall Replacement, Stock Island	Key West Mooring Field Project	Stormwater Filter Marsh, Naples	Environmental Sections, Port Everglades Master Plan Update, Ft. Lauderdale
Start & end dates	2012-2014	2011-2013	2013-ongoing	2014-present	2005-2010, 2011-present	2013-present	2013-present	2008-2010	2013-2014
Client Name	Arcadis	Hans Wilson & Associates, Inc.	Keyhaven Enterprises, Inc.	Cut Nail Marine Services, Inc.	Bob Butler; Steve Johnson	Carefree RV Resorts, Inc.	Monroe County Marine Resources Division	MacTech	Aecom
Client's Representative	Wynne Grubbs	Hans Wilson	William Smith	Denny O'Shea	The Argonaut Group; SeaSide Key West Residences, LOA	John Murphy	Rich Jones	Charlene Stroebel	Lori Baer
Client's Address	2410 Paces Ferry Road, Suite 400, Atlanta, GA 30339	1938 Hill Avenue, Fort Myers, FL 33901	700 Front Street, Key West, FL 33040	301 E Las Olas Boulevard, Ft. Lauderdale, FL 33301	3685 Seaside Drive, Suite 2, Key West, FL 33040; 17 Seaside Court South, Key West, FL 33040	5031 5th Avenue, Key West, FL 33040	2798 Overseas Highway, Suite 420, Marathon, FL 33050	4919 W. Laurel Street, Tampa, FL 33607	800 Douglas Entrance, Coral Gables, FL 33134
Client's Telephone Number	(770) 431-8666, wynne.grubbs@arcadis-us.com	(239) 334-6870; hans@hanswilson.com	(305) 294-4902; 320will@gmail.com	(954) 627-9345; (954) 627-9345	(305) 766-5064, Rabargokw@aol.com; (305) 712-0500, sljtag@aol.com	(602) 677-5879; jmurphy@carefreervresorts.com	(305) 289-2805, Jones-Rich@MonroeCounty-FL.Gov	(813) 636-1528	(305) 447-3509; lori.baer@aecom.com
Key Personnel in Design	Sandy Walters & Randy Corbin	Shelli Tallacksen & Sandy Walters	Diana Aranda & Sandy Walters	Sandy Walters & Randy Corbin	Sandy Walters	Sandy Walters & Subcontractor Hans Wilson & Associates	Shelli Tallacksen & Sandy Walters	Joshua Peele, Mike Tust & Sandy Walters	Sandra Walters & Diana Aranda
Design Services Fee	Permitting: \$59,742.82; Compliance monitoring: \$74,462.43	\$18,057.50	\$8,650.00 to date	\$3,657.66	Permit compliance: \$77,478.64; Mangrove trimming permitting: \$12,484.79	\$28,500.00, includes concept design, env permitting, geotech & detailed design, & CEI	\$22,039.80	\$11,745.07	\$26,418.62
Estimate of Construction Cost		N/A	N/A	N/K	N/K	N/K	N/A	N/K	N/K
Name of Contractor	Arrow Directional Drilling, Inc.	Ebsary Foundation Company	N/A	N/K	N/K	N/K	N/A	N/K	N/K
Contract Award Amount		\$1,427,056	N/A	N/K	N/K	N/K	N/A	N/K	N/K
Contractor's Representative	Jeff Blake	Mathew J. Shiring, P.E.	N/A	N/K	N/K	N/K	N/A	N/K	N/K
Contractor's Address	11950 NW 3th Street, Suite A, Coral Springs, FL 33065	2154 NW North River Drive, Miami, FL 33125	N/A	N/K	N/K	N/K	N/A	N/K	N/K
Contractor's Telephone Number	(954) 931-3552	(305) 325-0530, X108	N/A	N/K	N/K	N/K	N/A	N/K	N/K

N/A = Not Applicable

N/K = Not Known

Client Name: City of Key West
Project Location: Tarpon Pier – Garrison Bight
Contact Information: Doug Bradshaw
3140 Flagler Avenue ♦ Key West, FL 33040
(305) 809-3792 ♦ dbradshaw@keywestcity.com
Project Start/Completion: September 2011 – November 2013
Professional Service Fees: \$146,880
Key Personnel: Hans Wilson, Theresa Cauthen

Project Scope: Tarpon Pier was a fixed concrete pile and deck structure with a mix of wooden superstructure, 8' wide by 395' long, in an aged condition. It provides mooring for a mix of vessels, including liveaboard house structures. All vessels were moored to the dock with outboard mooring pilings, no finger piers. The proposed project resulted in the construction of a floating aluminum framed dock with IPE decking. The dock dimensions were 12' wide at the base, for a 40' length, then narrowed to 10' wide for the remainder of the dock. The total dock length was 399' and included 4' wide by 25' long finger piers. The finger piers were constructed within the shadow of the outboard mooring piles. The dock provides mooring for forty four (44) slips of varying widths and lengths. The dock provides full amenities to the residents with double 50 amp services at the power pedestals.

Hans Wilson & Associates, Inc. (HWA) was responsible for the planning, permitting, design implementation and construction administration. Subcontractors to HWA included SWC, Inc. who was responsible for mapping and identifying benthic resources, principally submerged seagrasses and corals. HWA and SWC coordinated with the Florida Keys National Marine Sanctuary on relocating specific corals and marking those in the field to be avoided during construction. HWA performed wind load calculations and provided this information to Reuben Clarson, structural engineer, for the development of the anchor piles, in this case ½" thick, 20" dia. coated steel, to withstand 120 mph wind loading of the docks with full occupancy given that many of the vessels do not have motors. HSA was subcontracted to develop the infrastructure design. Gator Docks was the supplier of the floating dock system and Ebsary Construction was the marine contractor. The project was completed on time and within budget.

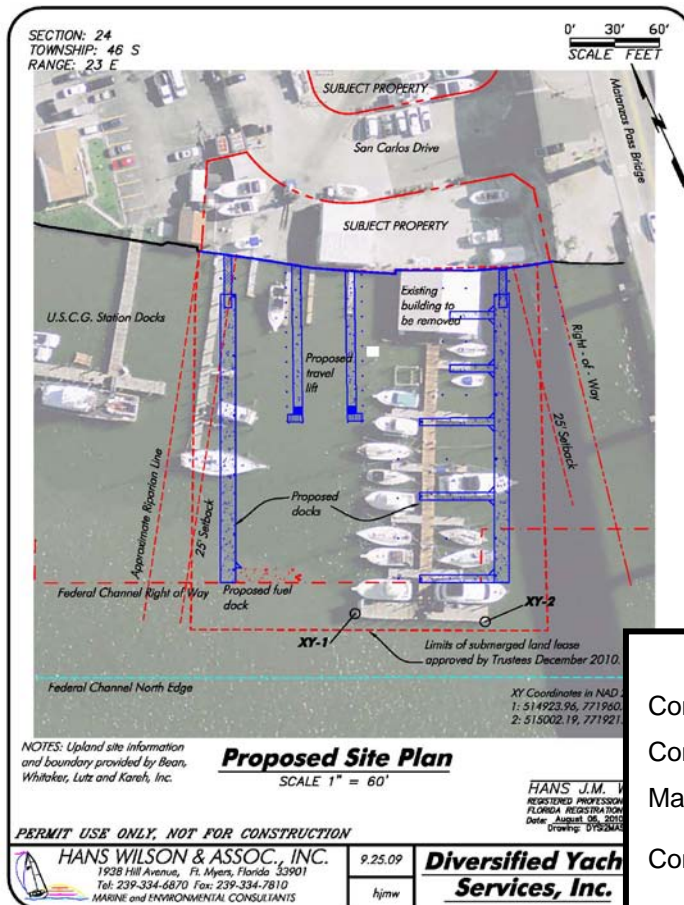


CONSTRUCTION INFORMATION

Completion: November 2013
Construction Cost: \$1,427,056
Marine Contractor: Ebsary Foundation Company
Contact Information: Matthew J. Shiring, P.E.
2154 NW North River Drive
Miami, Florida 33125
(305) 325-0530 ext. 108

Client Name: Diversified Yacht Services, Inc
Project Location: Fort Myers Beach, FL
Contact Information: Ryan Levi, Executive Vice President
 751 Fisherman's Wharf ♦ Fort Myers Beach, FL 33931
 (239) 765-8700 ♦ ryan.levi@lrs.com
Project Start/Completion: March 2009 – 2013
Professional Service Fees: \$188,234 – Project completed within budget.
Key Personnel: Hans Wilson, Theresa Cauthen

Project Scope: This project consists of the planning, design, permitting, and construction observation of the conversion from a commercial marina with 184 dry storage spaces and 41 wet slips to a commercial boatyard with fork truck access and a 150 ton travel lift. The project removes an existing over water building and fixed wooden docks and replaces them with floating concrete docks. The marina retains the 41 wet slips for rental and staging for various in water vessel repairs. The upland facility is state of the art design for vessel repairs, hazardous materials management, hull treatment, and engine services. The project includes dredging 1,700 cy. of material to a depth of -8' MLW; the installation of intertidal habitat in the form of ©Reef Balls; installation of over 6,000 sf. of floating concrete docks and concrete piers; and installation of 250 lf. of steel seawall.



Proposed site plan drawing showing proposed docks overlain on aerial of existing docks



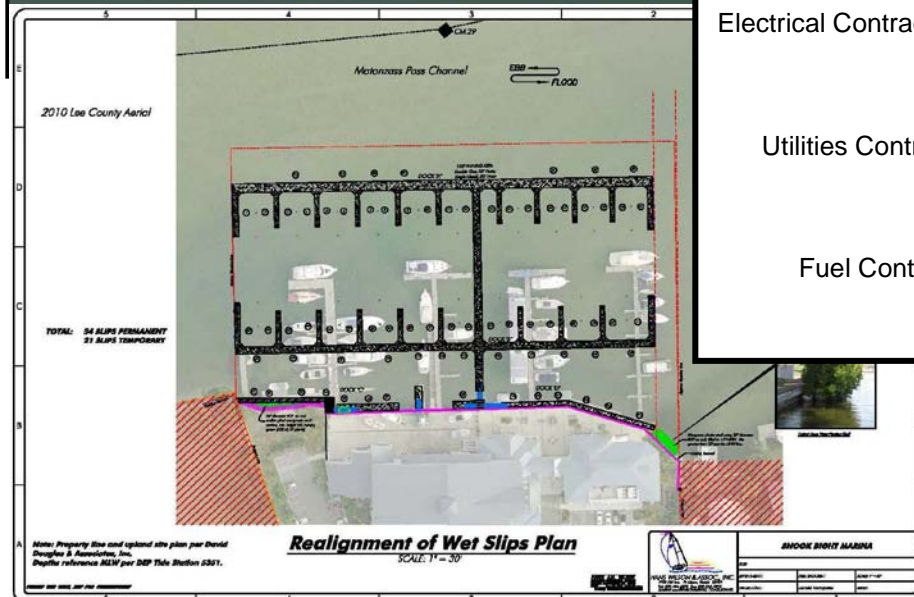
First vessel to be pulled by the travel lift, 105' Gigabyte, on May 21, 2012.

CONSTRUCTION INFORMATION

Construction Completion: 2012
 Construction Cost: \$2,300,000
 Marine Contractor: Kelly Brothers
 Contact Information: Dane Kelly
 15775 Pine Ridge Rd
 Ft. Myers, FL 33908
 239-482-7300

Client Name: Snookbight Yacht Club and Marina
Project Location: Fort Myers Beach, FL
Contact Information: Joe Yerkes, President/Larry Sincoskie, Harbormaster
 4765 Estero Blvd. ♦ Fort Myers Beach, FL 33931
 (239) 765-4370 ♦ Joe@SnookBightMarina.com
Project Start/Completion: February 2008 – December 2012
Professional Service Fees: \$137,489
Key Personnel: Hans Wilson, Theresa Cauthen

Project Scope: This project consists of planning, design, permitting, bid coordination, and construction observation services that involve a complete renovation and conversion of a fixed wood dock commercial marina to an upscale floating dock system, including an expanded area, adjacent to the Estero Bay Aquatic Preserve. The project includes demolition of a 72 wet slip commercial marina to be replaced with 54 permanent wet slips, 21 temporary slips for dry storage staging, and 201 dry storage spaces. The project includes dredging to meet DEP depth criteria for use of sovereign state lands associated with the submerged land lease.



CONSTRUCTION INFORMATION

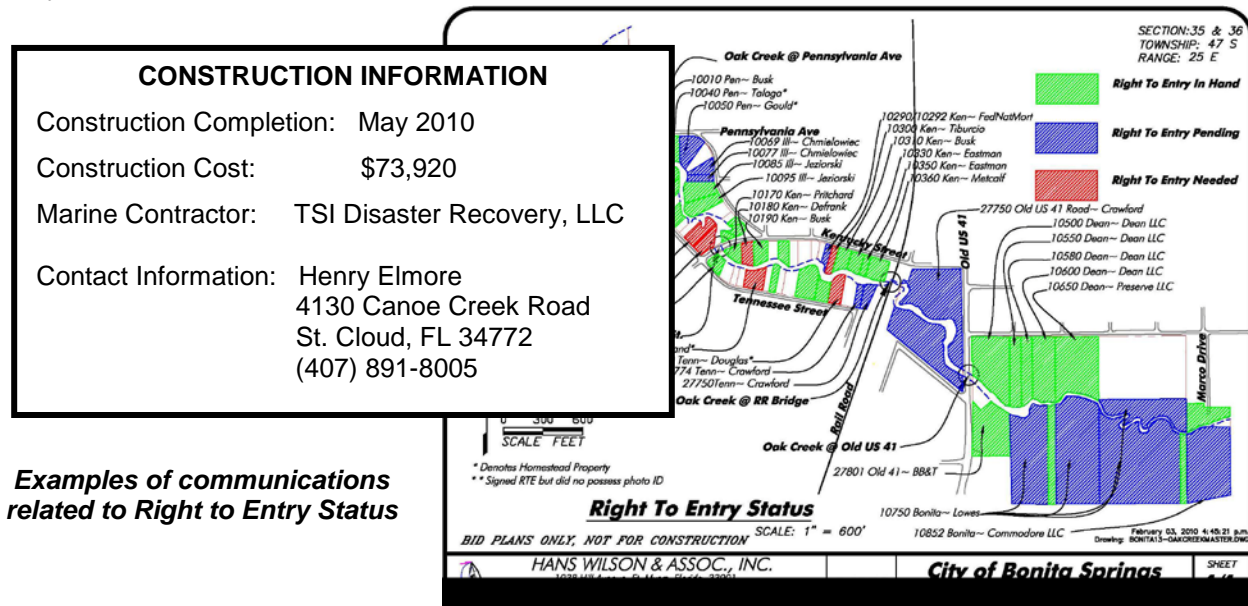
Completion: December 2012
Construction Cost: \$816,025
Marine Contractor: Florida Marine Construction
Contact Information: Charlie Garcia
 PO Box 248
 Matlacha, FL 33933
 239-283-1728
Electrical Contractor: Acra Electric
 Robert Greco
 239-542-1624
Utilities Contractor: Marina Utilities
 Robert MacDonald
 239-405-8877
Fuel Contractor: Petroleum Marine
 Paul Doyle
 561-248-0389

Client Name: City of Bonita Springs
Project Location: Imperial River, West of U.S.41 Bridge
Contact Information: Matt Feeny, Public Works Director
 9101 Bonita Beach Road ♦ Bonita Springs, FL 34135
 (239) 949-6245 ♦ e-mail:Matt.Feeney@cityofbonitasprings.org
Project Start/Completion: February 2009 – May 2011
Professional Service Fees: \$83,249
Key Personnel: Chester Young, Theresa Cauthen, Johanna Shifflette

Project Scope: Oak Creek is a natural tributary to the Imperial River and designated as "Special Waters" within Outstanding Florida Waters of the state. The purpose of the project was to remove the upper layer of accumulated material, restoring the creek to a more historical cross section, improving the bottom benthic habitat providing a benefit to the surrounding biological systems while also alleviating some of the potential for flooding during storm events.

The project limits run 7,700 feet from the confluence with Imperial River terminating near Marco Drive. The project consisted of dredging approximately 7,500 cubic yards of material to -5 Mean Low Water datum, performed in five sections or phases. The sections were defined by vehicular bridges, a railroad bridge, and the box culvert under Old US 41. Limiting clearances prevented dredge equipment from traversing from section to section resulting in permits issued to allow work by sections.

The design template preserved the existing bank slopes at the edge of the creek, included removal of the shoreline snags affecting flood control, and extended to a depth that conformed to the state permit exemption. Challenges included door to door coordination with neighbors along the creek concerned over the removal of exotics along the riverbank. The project included disposal at two locations and coordination with the contractor to minimize residence times at the site and still manage spillage from trucks moving the material to the final disposal location on City owned lands.



Examples of communications related to Right to Entry Status

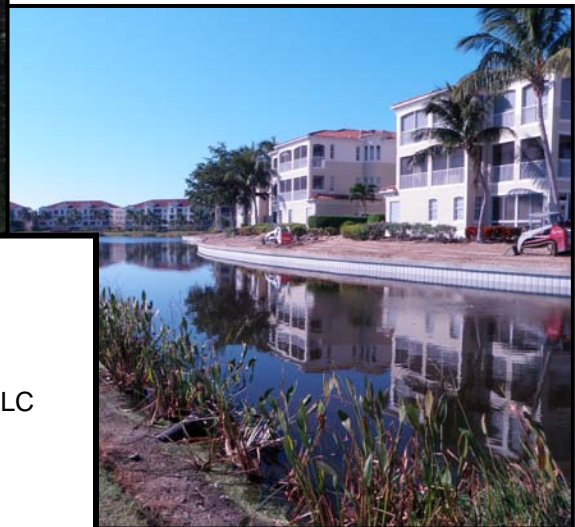
Client Name: Gulf Harbour Master Association, Inc.
Project Location: Fort Myers, FL
Contact Information: Rod Middleton, Sutor, Middleton, Cox & Associates
 15751 San Carlos Boulevard #8 ♦ Fort Myers, FL 33908
 (239) 437-0340 ♦ roddgs@comcast.net
Project Start/Completion: April 2012 - Current
Professional Service Fees: \$638,780
Key Personnel: Chester Young, Theresa Cauthen, Hans Wilson

Project Scope: HWA was contracted with the master association to design, permit and manage the construction of the stabilization of over 5 miles of lake-bank shoreline within Gulf Harbour Yacht and Country Club. Several different stabilization methodologies were constructed. The initial designs were engineered and presented to a selection of qualified marine contractors for competitive bids. The two top candidates for the project were interviewed and the stabilization methods were refined based on which designs were most cost effective. TSI Disaster Recovery was the contractor determined by the Gulf Harbour Master Association Lakes Committee to be the best suited for the project and contracted for the work. Construction started in April of 2012 and continued through to final completion in June of 2013. Final installation included 2.1 miles of submerged, cantilever designed seawall using steel sheet piling to reconstruct a collapsing lake-bank; 2.3 miles of Geo-web matrix, including littoral plantings, installed along eroded shoreline; 1,100 linear feet of a vinyl seawall replacing a failing wooden seawall; and varying lengths of new and repaired riprap bank stabilization. Additional work included adjustments to stormwater end walls and pipe outfalls; installation of articulated concrete mats for permanent lake access; and modifications to the storm water outfall control structures to bring the entire surface water system into compliance with SFWMD rules and regulations. Total project cost was just over \$6,000,000.

Driving steel sheet pile for submerged wall



New vinyl seawall located on shoreline opposite littoral plantings. Note the tight working quarters between the new seawall and existing buildings.



CONSTRUCTION INFORMATION	
Construction Completion:	June, 2013
Construction Cost:	\$5,472,175
Marine Contractor:	TSI Disaster Recovery, LLC
Contact Information:	Henry Elmore 4130 Canoe Creek Road St. Cloud, FL 34772 (407) 891-8005

Client Name: Lee County Department of Transportation
Project Location: Estero Island, Lee County
Contact Information: Ehab Guirguis, Senior Engineer – Operations Division
5560 Zip Drive ♦ Fort Myers, FL 33905
(239) 533-9400 ♦ e-mail: equirguis@leegov.com
Project Start/Completion: January 2011 – April 2012
Professional Service Fees: \$55,300
Key Personnel: Hans Wilson

Project Scope: A review of conditions associated with scour around the pilings of Big Carlos Pass Bridge resulted in the need for toe scour protection. HWA was contracted by the Lee County Dept. of Transportation to prepare plans and specifications for constructing toe scour protection. Work included dive inspections of the bridge bents to identify resources potentially impacted by the construction; coordinating dive inspections with South Florida Water Management District staff; preparation of design documents and Environmental Resource Permit applications; coordinating state and federal permit applications; preparation of construction plans, specifications, and bid forms. Pending construction completion HWA will perform a final dive inspection to verify compliance with the plans.



Big Carlos Pass Bridge

CONSTRUCTION INFORMATION

Construction Completion: 2012
Construction Cost: \$279,710
Marine Contractor: Florida Marine Construction
Contact Information: Charlie Garcia
P.O. Box 248
Matlacha, FL 33993
(239)283-1728

*Exotic infestation of Green
Mussels (*Perna Viridis*)
discovered attached to a number
of pilings and rock on the bottom.*



Client Name: Lee County Board of County Commissioners
Project Location: Fort Myers, FL
Contact Information: Mr. Ayoub Al-Bahou, Capitol Projects Construction Manager
 PO Box 398 ♦ Fort Myers, FL 33902
 (239) 533-8303 ♦ AAIBahou@leegov.com
Project Start/Completion: September 2010 - Current
Professional Service Fees: \$20,307
Key Personnel: Chester Young, Theresa Cauthen

Project Scope: This project involves design, permitting and construction observation of the stabilization of the canal bank shoreline in Manatee Park with a vinyl seawall using a mix of cantilever and earth anchor designs. This phased project is now in its third cycle of permitting and construction, with 230 lf of wall to be built. Phase I & II consisted of installation of 380 lf. of seawall, with 450 lf. of bank remaining to stabilize. Hans Wilson & Associates has coordinated with FP&L, as the owner of the underlying property, on conformance with their design guidelines for this cooling water discharge canal for the Fort Myers Plant. The seawall design was oriented towards making the observation of manatees in the canal as unobstructed as possible while working with the seasonal conditions associated with the "Standard Manatee Conditions for In-Water Work".

Shoreline prior to stabilization



Shoreline with new seawall



Phase III shoreline looking back at Phases I & II



CONSTRUCTION INFORMATION

Completion: Ongoing

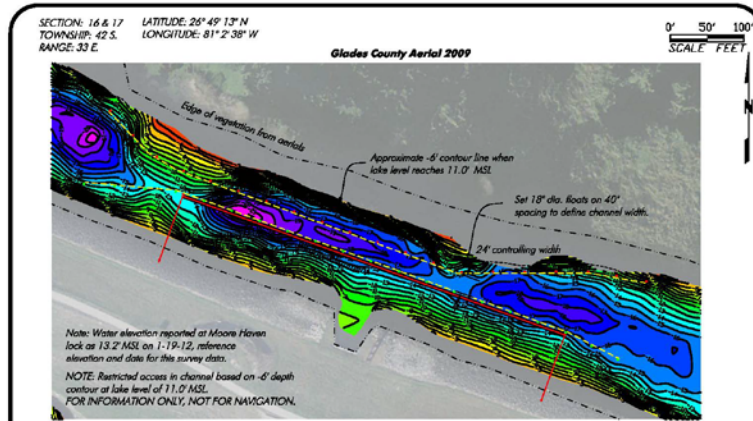
Construction Cost: \$Unknown

Marine Contractor: Kelly Brothers

Contact Information: Dane Kelly
 15775 Pine Ridge Rd
 Ft. Myers, FL 33908
 239-482-7300

Client Name: Odebrecht Construction, Inc.
Project Location: Okeechobee Waterway, Culverts 1 and 1A, Glades County
Contact Information: Elizabeth Lamborghini, Project Manager
 27107 South US Highway 27 ♦ Moore Haven, FL 33471
 (305) 341-8800 ♦ e-mail: elamborghini@odebrecht.com
Project Start/Completion: January 2012 – Ongoing
Professional Service Fees: \$12,838
Key Personnel: Hans Wilson

Project Scope: This project involved the preparation of a Management of Traffic plan for boaters to address impacts to navigating the rim canal as a result of construction associated with renovating the culverts through the Herbert Hoover Dike. Odebrecht installed steel sheet piling to contain fill needed to dewater the culverts for replacement. The steel cofferdam extended almost half way across the rim canal connecting the East Coast and West Coast of Florida via Lake Okeechobee. Depths surveys were performed to map the available navigation path through the work area and to define the length of turbidity curtains needed to maintain water quality. The Management of Traffic plan incorporated recommendations on signage, signaling, and included coordination with the U.S. Coast Guard and the Florida Fish and Wildlife Conservation Commission regarding proper signage for this U.S. Army Corps of Engineers federal project.



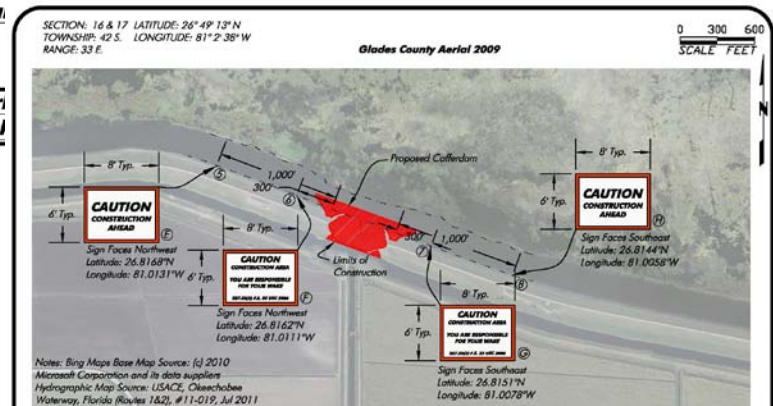
Culvert CIA Data

Notes: Bing Maps Base Map Source: (c) 2010 Microsoft Corporation and its data suppliers Hydrographic Map Source: USACE, Okeechobee Waterway, Florida (Routes 1&2), #11-019, Jul 2011
PERMIT USE ONLY, NOT FOR CONSTRUCTION
HANS WILSON & ASSOC., INC.
 1938 Hill Ave. Ft. Myers, Florida 33901
 Tel: 239-334-6870 Fax: 239-334-7810
 MARINE and ENVIRONMENTAL CONSULTANTS

5-30-12	
N/mw	


Channel depth mapping to determine location of temporary navigation channel through the construction site.

MOT sign plan consistent with State and Federal guidelines.



Culvert CIA - Sign Plan

Notes: Piles or frame work holding signs should be set outside of the navigable limits of the waterway. Locations are recommendations that may require adjustment based on boating activities at the site.
PERMIT USE ONLY, NOT FOR CONSTRUCTION
HANS WILSON & ASSOC., INC.
 1938 Hill Ave. Ft. Myers, Florida 33901
 Tel: 239-334-6870 Fax: 239-334-7810
 MARINE and ENVIRONMENTAL CONSULTANTS

5-25-12		Herbert Hoover Dike Rehabilitation	SHEET
N/mw			

May 25, 2012 3:22:08 p.m.
 Drawing: 000000037HASETEL00

Coastal Engineering
HANS WILSON & ASSOCIATES SPECIFIC RELEVANT EXPERIENCE PROJECT DETAILS

Needs	Tarpon Pier at Garrison Bight, Key West	Snookbight Yacht Club and Marina, Fort Myers Beach	Diversified Yacht Services, Inc., Fort Myers Beach	Oak Creek Restoration, Bonita Springs	Gulf Harbour Lake Bank Stabilization, Fort Myers	Big Carlos Pass Bridge, Bonita Springs	Manatee Park Seawall, Fort Myers	Herbert Hoover Dike Restoration Project, Moore Haven
Start and End Dates	2011-2013	2008-2012	2009-2013	2009-2011	2012-present	2011-2012	2010-present	2012-present
Client Name	City of Key West	Snookbight Yacht Club and Marina	Diversified Yacht Services, Inc.	City of Bonita Springs	Gulf Harbour Master Association, Inc.	Lee County Department of Transportation	Lee County Board of County Commissioners	Odebrecht Construction, Inc.
Client's Representative	Doug Bradshaw	Joe Yerkes	Ryan Levi	Matt Feeney	Rod Middleton	Ehab Guirguis	Ayoub Al-Bahou	Elizabeth Lamborghini
Client's Address	3140 Flagler Ave. Key West, FL 33040	4765 Estero Blvd. Fort Myers Beach, FL 33931	751 Fisherman's Wharf Fort Myers Beach, FL 33931	9101 Bonita Beach Rd Bonita Springs, FL 34135	15751 San Carlos Blvd. Fort Myers, FL 33908	5560 Zip Drive Fort Myers, FL 33905	P.O. Box 398 Fort Myers, FL 33902	27107 South US Highway 27, Moore Haven, FL 33471
Client's Telephone Number	305-809-3792	239-765-4370	239-765-8700	239-949-6245	239-437-0340	239-533-9400	239-533-8303	305-341-8800
Key Personnel in Design	Hans Wilson, Theresa Cauthen	Hans Wilson, Theresa Cauthen	Hans Wilson, Theresa Cauthen	Theresa Cauthen	Theresa Cauthen	Hans Wilson	Hans Wilson, Theresa Cauthen	Hans Wilson
Design Services Fee	\$146,880.00	\$137,489.00	\$188,234.00	\$83,249.00	\$638,780.00	\$55,300.00	NK-ongoing	N/K
Estimate of Construction Cost	\$1,427,056.00	\$816,025.00	\$2,300,000.00	\$73,920.00	\$5,472,175.00	\$279,710.00	N/K	Range \$50,000,000.00- 150,000,000.00
Name of Contractor	Ebsary Construction	Florida Marine Construction, Inc.	Kelly Brothers, Inc.	TSI Disaster Recovery, Inc.	TSI Disaster Recovery, Inc.	Florida Marine Construction, Inc.	Kelly Brothers, Inc.	Odebrecht Construction, Inc.
Contract Award Amount	\$1,427,056.00	\$816,025.00	\$2,300,000.00	\$73,920.00	\$5,472,175.00	\$279,710.00	NK	\$86,000,000.00
Contractor's Representative	Matthew Shiring	Charlie Garcia	Dane Kelly	Henry Elmore	Henry Elmore	Charlie Garcia	Dane Kelly	Elizabeth Lamborghini
Contractor's Address	2154 NW North River Dr. Miami, FL 33125	P.O. Box 248 Matlacha, FL 33933	15775 Pine Ridge Road Fort Myers, FL 33908	4130 Canoe Creek Rd. St. Cloud, FL 34772	4130 Canoe Creek Rd. St. Cloud, FL 34772	P.O. Box 248 Matlacha, FL 33933	15775 Pine Ridge Road Fort Myers, FL 33908	27107 South US Highway 27, Moore Haven, FL
Contractor's Telephone Number	(305) 325-0530 ext. 108	239-283-1728	239-482-7300	407-891-8005	407-891-8005	239-283-1728	239-482-7300	305-341-8800

N/K = Not Known
N/A = Not Applicable

Dade Boulevard/Collins Canal Seawall Replacement City of Miami Beach, Florida



Program: Bulkhead design, construction administration and vibration monitoring

Size: 2,670 feet

Client: Harbour Construction, Inc.

Dade Boulevard, located in Miami Beach, is situated alongside the Collins Canal. It is an east-west connecting road and thus crosses many of the main avenues on the barrier island. As part of the construction of a bike path along the road, shoreline stabilization was required.

Cummins | Cederberg was retained to design the 2,670 feet of steel sheet pile bulkhead along the canal, including a concrete cap. Due to the close proximity to the road, a concrete crash barrier capable of withstanding vehicle impacts was incorporated as well.

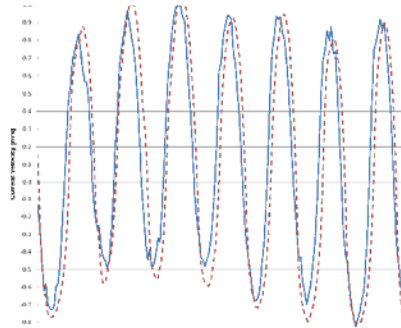
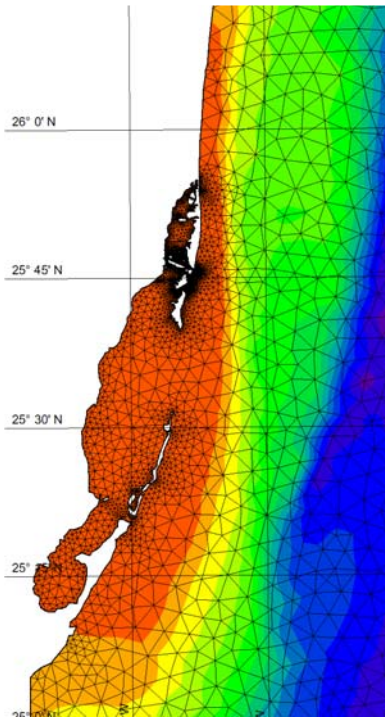
The bulkhead design was further complicated by extensive below ground utilities in the area. These included main sewer, water, and high-voltage electrical lines connecting the northern and southern parts of Miami Beach. Some of the utilities were of

significant age, thus limited information relative to dimensions, locations, and depth were available. In these cases, the contractor and engineer were required to hand excavate to physically locate the lines and subsequently maintain a safe buffer with pile driving.

The required buffer produced opportunities for unique and innovative structural designs in order to create a wall in the areas of the utilities without driving piles, while still capable of retaining the relatively large earth and vehicle loads.

The south side of the canal generally consisted of older residences, approximately 50 feet from the proposed bulkhead. In order to ensure no impacts to these structures during vibratory installation of the steel sheet piles, Cummins Cederberg was retained to conduct vibration monitoring during construction.

Crandon Marina Sedimentation Study Miami, Florida



Program: Field Investigations, Workshop, Coastal Engineering Analysis, Shoreline Stabilization Design

Size: 1,500 feet of Shoreline

Client: Miami Dade County Parks, Recreation and Open Spaces

Crandon Marina is located along the northwest shoreline of Key Biscayne fronting Biscayne Bay and specifically adjacent to Bear Cut. Severe sedimentation occurs in the northwestern portion of the marina close to the entrance channel, preventing mooring in certain slips and consequently a loss in revenue. Cummins Cederberg was selected to determine the source and cause of the sedimentation as well as provide a solution.

The Project area is exposed to both high tidal currents and wind generated waves in Biscayne Bay. Due to the large tidal prism in Biscayne Bay, and limited flow pathways in north Biscayne Bay, high current speeds are experienced during ebb and flood tide in Bear Cut .

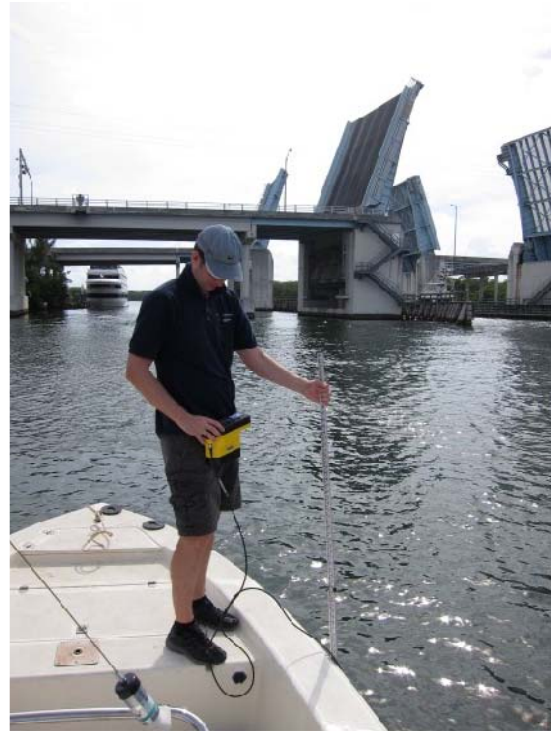
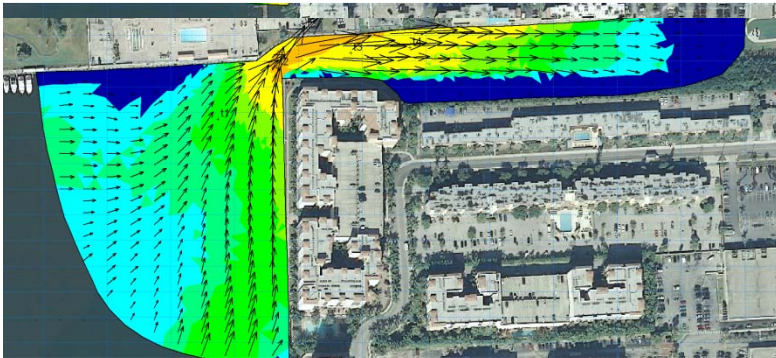
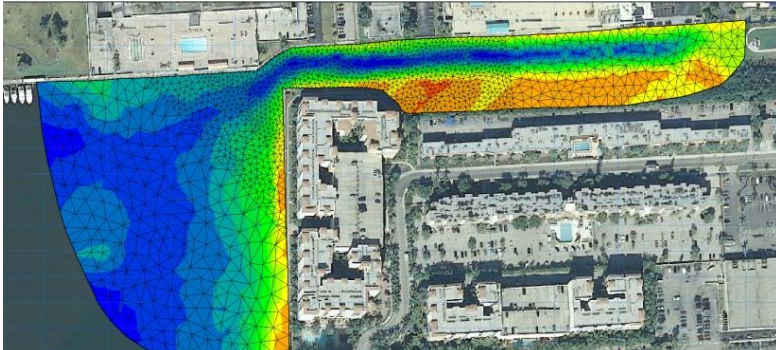
Field investigations including surveying, marine resource mapping, sediment sampling, as well as tide and current measurements were performed. A wave

analysis was subsequently conducted to understand wave characteristics during normal conditions for the subsequent sediment transport assessment, and extreme wave conditions for the design of coastal structures. A detailed numerical hydrodynamic model was developed to simulate the tidal flow within Biscayne Bay and specifically the tidal flow patterns at the Project site. The numerical model was calibrated to current measurements obtained at specific locations.

Based on the results of the wave and hydrodynamic analyses, the sediment transport at the site was assessed to understand the governing mechanism in transporting excessive material into the marina.

Concepts to eliminate or reduce sedimentation were developed and compared relative to the current practice of dredging. The comparison included short and long-term costs, along with environmental and engineering constraints.

North Bay Road Bridge Scour Analysis City of Sunny Isles Beach, Florida



Program: Hydraulic and Scour Analysis for Proposed Bridge
Size: 300 feet
Client: City of Sunny Isles

Cummins | Cederberg was retained to conduct a hydraulic and scour analysis of the proposed North Bay Road Bridge in the City of Sunny Isles Beach. The proposed bridge will cross an existing canal with several pier foundations located within the canal. During storm events, the proposed bridge will experience increased water levels and current speeds, which will affect both scour (local erosion around piles) and hydrodynamic forces.

Cummins | Cederberg conducted local tide and current measurements for input and calibration of a numerical hydrodynamic model. The current measurements were obtained in strategic locations to develop an understanding of the local flow characteristics.

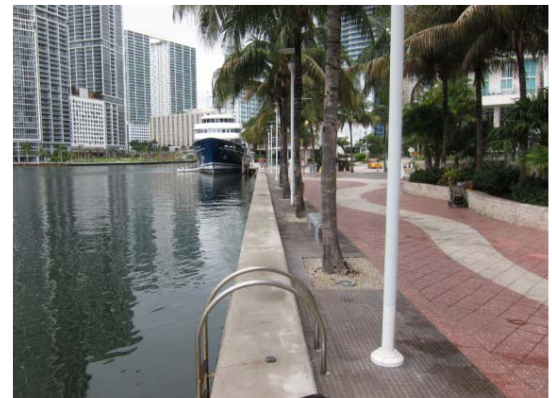
A statistical analysis was conducted to determine the extreme conditions for various return periods. As severe storms pass the project area, the associated

storm surge will generate a rapid increase (and subsequently a decrease) in the water level. During the increase and/or decrease, increased current speeds might be observed at the project site.

A hydrodynamic numerical model was developed to simulate the flow under various conditions. The model was calibrated utilizing the tide and current measurements obtained in the field to ensure the model reflected the actual flow conditions.

Following the calibration, the hydrodynamic flow for various return periods and storm durations was evaluated to determine the design current speed(s). Utilizing the design current speed(s) and water level(s), a scour analysis was conducted. The scour analysis included both the effects of global scour due to contraction in the overall flow area as well as localized pier scour. Subsequently, the hydrodynamic loading was determined.

One Miami Condominium Miami, Florida



Program: Bulkhead Condition Assessment

Size: 900 feet

Client: One Miami Master Association

Cummins Cederberg performed an above and below water inspection of more than 900 feet of bulkhead along the shoreline adjacent to the One Miami Condominium located at the mouth of the Miami River .

The One Miami Building is located in of Miami's most attractive locations along the revitalized downtown waterfront. The bulkhead is part of the riverwalk extending from the north side of the Miami River along the western side of Biscayne Bay.

Water depths drop rapidly to more than 15 feet due to the continuous traffic of large container vessels and yachts for industrial areas and marinas along the Miami River. The large vessels provide increased risk of scour due to localized propeller-induced current speeds. The rapid increase in water depth and high potential for scour makes toe- stability of the bulkhead a prime concern.

The bulkhead consisted of steel sheet piles, reinforced concrete cap, and an articulating concrete scour mat. The inspection was conducted to determine the present condition of the structure and provide an estimate of remaining service life as well as recommendations for rehabilitation.

The condition assessment included a visual inspection of the entire structure, as well as thickness measurements of the primary steel sheets in various locations utilizing an ultrasonic thickness gauge. In addition, elevations and horizontal location of the concrete cap were recorded for future reference relative to potential displacement or settlement of the structure.

Cummins Cederberg prepared an engineering report to document the investigation, including specific deficiencies, conditions rating and a cost estimate for recommended repairs.

Vizcaya Shoreline Stabilization and Wetland Restoration Project Miami, Florida



Program: Engineering Analysis, Storm Surge Wall Design and Wetland Restoration

Size: 1,70 feet

Client: Vizcaya Museum and Garden, Miami Dade County

Cummins | Cederberg was retained to determine potential storm surge impacts and design a wall to prevent damage to a restored historic garden.

The project includes the design, permitting and construction oversight of a shoreline stabilization wall as well as wetland restoration to protect a low-lying restored garden area at Vizcaya Museum and Gardens. The garden is historical orchidarium in a highly visible area, immediately to the north of the Vizcaya Main House, directly fronting Biscayne Bay.

Vizcaya is one of few public cultural sites in Miami-Dade County with direct access to Biscayne Bay. The property was designated a National Historic Landmark (granted to only 3% of nationally registered historic properties in the United States) in recognition of the property's importance not only to Miami-Dade County and South Florida, but also to the entire nation. Vizcaya welcomes approximately 174,000 visitors annually and it has hosted numerous high-profile international events and state visits. Vizcaya is accredited by the American Association of Museums, which requires adherence to rigorous

professional standards for site maintenance and educational programming.

The seawall is designed to protect a restored historical garden from storm surge, hydrodynamic and wave impacts. As part of the seawall design, an adjacent area invaded with exotic vegetation will be restored to native conditions with planting of species native to the Biscayne Bay wetland environment. The restored wetland will provide educational opportunities pertaining to Miami's native waterfront environment along with natural protection.

The wetland design will ultimately assist in dissipating wave energy in a non-intrusive way, as well as integrate into the overall master plan. The location and purpose of the wall provided opportunities for grant applications to assist Vizcaya Museum & Garden.

A grant application was prepared, presented and successfully processed with the Florida Inland Navigation District.

Costa Brava Marina Miami Beach, Florida



Program: Construction of 32-Slip Marina

Size: 32-Slips

Client: Costa Brava Condominium Association

Cummins | Cederberg was engaged by the Costa Brava Condominium Association to obtain environmental permits for the construction of a 32-slip marina located at Belle Isle, Miami Beach. The project was originally initiated more than 5 years earlier and passed through several marine consultants without any significant progress in obtaining permits, including multiple denials. The agencies finally presented the Association with a 3-month deadline before closing all applications, which would result in loss of all permit fees paid and any work presented.

Cummins | Cederberg immediately reviewed the complete project history and met personally with all stakeholders. Several meetings were conducted with the various environmental agencies to understand concerns and provide all required information before the 3-month deadline. Despite some applications requiring complete restart, the thorough documentation, meetings and phone calls paid off and resulted in approval of the project and all

permits before the 3-month deadline. As a testament to our services, Cummins | Cederberg was subsequently engaged to manage the bid process and the selection of a qualified marine contractor. Cummins | Cederberg obtained bid packages and provided a summary and comparison as well as coordinated interviews with various contractors for the Association to make an informed decision following our recommendations.

In addition, Cummins | Cederberg provided construction administration services. This included special inspector, review of change orders, review of contractor submittals, payment applications and material specifications. During construction Cummins | Cederberg coordinated with the contractor to keep the project on budget and schedule. Specifically, following construction initiation access to the Island was restricted due to unexpected weight restrictions on nearby bridges following unrelated damage. To resolve this, Cummins | Cederberg coordinated with the City as well as the concrete supplier and obtained special permits specifically for the concrete trucks.

Hillsboro Club Beach Restoration Hillsboro Beach, Florida



Program: Field Investigations, Coastal Engineering Analysis Shoreline Stabilization Design

Size: 100 feet of Shoreline – Approximately 600 cubic yards

Client: Hillsboro Club

Cummins | Cederberg was engaged by the Hillsboro Club to resolve a significant beach erosion issue. The project area had recently experienced extensive erosion following large winter storms. The erosion caused undermining of ocean side buildings, which were subsequently deemed unsafe by a structural engineer.

Cummins | Cederberg communicated with all stakeholders, including environmental agencies and obtained all the required permits quickly. The process was expedited through a series of onsite meetings with agency staff to address potential concerns. All concerns were addressed immediately and permits were obtained in less than 1 month.

Construction drawings were prepared and qualified contractors identified. Cummins Cederberg further

assisted through procurement and construction administration.

The construction administration included hands on discussions with the contractor to determine construction methods. The project area was located in an area with limited beach access and was constructed during operations in high season due to the urgency.

In addition, the project site was an active turtle nesting area, which put strict deadlines on completion of construction relative to nesting season.

Sand was sourced from the Ortono Sand Mine located in La Belle, Florida. The proposed sand was analyzed to confirm compatibility to the existing sand in color, grain size, etc. The quality of the sand was also monitored during construction for consistency.

Coastal Engineering
CUMMINS CEDERBERG SPECIFIC RELEVANT EXPERIENCE PROJECT DETAILS

Needs	Dade Boulevard/Collins Canal Seawall Replacement, Miami Beach, Florida	Crandon Marina Sedimentation Study, Key Biscayne, Florida	North Bay Road Bridge Scour Analysis City of Sunny Isles Beach, Florida	One Miami Condominium Miami, Florida	Vizcaya Shoreline Stabilization and Wetland Restoration Project Miami, Florida	Costa Brava Marina Project, Miami Beach, Florida	Hillsboro Club Beach Restoration, Hillsboro Beach, Florida
Start & End Dates	2012	2012-2013	2012	2011-2014	2011-2014	2012-2014	2014
Client Name	Harbour Construction, Inc.	Miami-Dade Parks, Recreation and Open Spaces	Galvin Giordano	One Miami Master Association	Vizcaya Museum & Gardens	Costa Brava Condominium Association, Inc.	Hillsboro Club
Client's Representative	Guy Lesseur	Angel Trujillo	Chris Giordano	Carlington Pinnock	Ian Simpkins	Maria Mijares	Susan Williams
Client's Address	6300 NE 4th Ct, Miami, FL 33138	275 NW 2nd Street, Suite 407, Miami, FL 33128	1800 Eller Drive, Suite 600 Ft Lauderdale, FL 33316	335 S. Biscayne Boulevard Suite 200, Miami, FL 33131	3251 South Miami Avenue Miami, FL 33129	11 Island Avenue, Miami Beach, FL 33139	901 Hillsboro Mile Hissboro Beach, FL 33062
Client's Telephone Number	305-603-9944	305-755-7972	954-921-7781	786-425-1515	305-860-8430	305-532-6397	954-941-2220
Key Personnel in Design	Jannek Cederberg, Jason Cummins	Jannek Cederberg, Jason Cummins, Matt Talamas	Jannek Cederberg, Jason Cummins	Jannek Cederberg, Jason Cummins, Matt Talamas	Jannek Cederberg, Jason Cummins	Jannek Cederberg, Jason Cummins, Matt Talamas	Jannek Cederberg, Jason Cummins
Design Services Fee	~\$30000	~\$57000	\$15,000	~\$20,000	~\$30,000	~\$45,000	~\$12,000
Estimate of Construction Cost	~\$3M	N/A	~2M	\$0.3M	\$0.3M	\$1.0 M	\$0.05M
Name of Contractor	Harbour Construction, Inc.	N/A	N/K	N/A	N/K	Betancourt Construction, Inc	US Engineering
Contract Award Amount	N/K	N/A	N/K	N/A	N/K	~\$1.0	\$0.05M
Constructor's Representative	Guy Lesseur	N/A	N/K	N/A	N/K	Michael Betancourt	Mark S. Manno
Constructor's Address	6300 NE 4th Ct, Miami, FL 33138	N/A	N/K	N/A	N/K	10461 SW 16th Place Davie, FL 33324	107 NW 7th Ave Fort Lauderdale, FL 33311
Constructor's Telephone Number	305-603-9944	N/A	N/K	N/A	N/K	954-640-4400	954-652-1668

N/K = Not Known
N/A = Not Applicable

Coastal Engineering
ISLAND SURVEYING, INC. SPECIFIC RELEVANT EXPERIENCE PROJECT DETAILS

Needs	Tarpon Pier at Garrison Bight, Key West	Casa Marina, Key West	The Reach, Key West	U.S. Navy, Key West Installations	Oceanside Marina, Stock Island
Project Description	Location of pier, piles, layout and as-built	Location of Jet Ski area, seagrass and submerged land lease special use survey (DEP specifications)	Location of Jet Ski area, seagrass and submerged land lease special use survey (DEP specifications)	Layout out approx. 4 miles of rip rap and as-builts	Marina location, soundings, mangrove and wetland location, submerged land lease special use survey (DEP specifications)
Start & End Dates	2011-2013	2014-present	2014-present	2012	2012-present
Client Name	City of Key West	Casa Marina	The Reach	U.S. Navy, Sigsbee, Trumbo Point, Truman Annex, Fleming Key	Singh Company
Client's Representative	Hans Wilson, Eng.	Samantha Grogan	Samanthas Grogan	Glen Wingate	Noah Singh
Client's Address	1938 Hill Ave, Ft. Myers, Fl	Reynolds Ave, Key West, Fl.	Simonton Street, Key West	1033 N. Mayfield Road, Suite 200, Milwaukee, WI 53226	1010 Kennedy Drive. Key West, FL 33040
Client's Telephone Number	239-334-6870	305-293-6212	305-293-6212	414-257-4200	914-560-6799
Key Personnel in Design	Hildebrandt, Fletchall	Hildebrandt, Fletchall	Hildebrandt, Fletchall	Hildebrandt. Fletchall	Hildebrandt, Fletchall
Design Services Fee	\$3,000.00	\$2,000.00	\$2,000.00	\$10,000.00	\$20,000.00
Estimate of Construction Cost	N/K	N/K	N/K	N/K	N/K
Name of Contractor	N/K	N/K	N/K	N/K	N/K
Contract Award Amount	N/K	N/K	N/K	N/K	N/K
Constructor's Representative	N/K	N/K	N/K	N/K	N/K
Constructor's Address	N/K	N/K	N/K	N/K	N/K
Constructor's Telephone Number	N/K	N/K	N/K	N/K	N/K

N/K = Not Known
N/A = Not Applicable



SWC Team

Project Management & Quality Control Plans

SWC fully understands the need for careful and meticulous project management procedures and effective quality control, and has demonstrated success in managing multiple and complex assignments through current and previous contracts. The general principle is to have and apply systems consistently and to vigilantly monitor progress. The process the SWC Team will implement is for all staff to aim, at each step of an assignment, for a complete and accurately-implemented task, and then to apply specific review measures to ensure reaching that goal.

TEMPLATES AND PROCEDURES

The SWC Team has a number of templates and procedures already established for a variety of assignments that could be made by the City under this contract. Examples include:

Environmental Engineering

- Phase I Environmental Site Assessments (ESAs) and typical Phase II ESAs (including groundwater and soil sampling and analysis) to meet standards established in ASTM 1527-13 guidelines
- Asbestos and lead paint assessments
- Monitoring well design, removal, and replacement
- Spill Prevention, Control and Countermeasure (SPCC) plans
- Site Assessment Reports (SARs), Source Removal Reports (SRRs), Remedial Action Plans (RAPs), Natural Attenuation Monitoring Plans (NAMPs), Remedial Action Startup/Status Reports (RASRs), remediation systems' Operations and Maintenance (O&M) reports, Natural Attenuation Monitoring (NAM) reports, Post-Active Remediation Monitoring (PARM) reports, and Site Rehabilitation Closure Reports (SRCRs) in accordance with the Florida Department of Environmental Protection's *Contaminated Site Cleanup Criteria*: Chapter 62-780, Florida Administrative Code (FAC)
- Tank Closure Assessments in accordance with the Florida Department of Environmental Protection's *Petroleum Storage Systems (USTs)*: Chapter 62-761, FAC

Coastal Engineering

- Environmental assessments
- Basic engineering and design
- Standard survey assignments
- Preparation and processing of environmental permit applications with State and federal agencies, including the Florida Department of Environmental Protection, South Florida Water Management District, U.S. Army Corps of Engineers, and the Florida Keys National Marine Sanctuary
- NPDES authorizations



- Stormwater Pollution Prevention Plans (SWPPPs)
- Water quality monitoring during construction activities that could affect wetlands or open water

The utilization of checklists and templates for projects ensures that staff can be consistent in accomplishing all required tasks and meeting performance standards the first time around, and the Team is continuously developing and updating these lists. In addition, the SWC Team is committed to training of staff on tasks, including acquisition of relevant certifications, to ensure that all staff assigned to projects fully understands their responsibilities. This is demonstrated in the detailed resumes included in the second tab of this submittal.

PROJECT ANALYSIS, MANAGEMENT AND ADMINISTRATION

More complex or unique projects require specific analysis and task planning prior to initiation of work. The SWC Team will approach all such complex projects with the perspective of long-term constructability and cost control. The Team has found that decisions made early on in a project can have long-term effects, and, therefore, will ensure continuous communication between different Task Managers to prevent repetitive or wasted effort.

For example, environmental considerations are critical in engineering design of a coastal project because environmental permitting requires demonstration that impacts to protected resources are avoided and minimized to the maximum extent practicable. Therefore, it is important to incorporate environmental findings into project engineering in the early stages as part of alternatives analysis, so that design can proceed in a permissible direction, preventing redesign due to later regulatory input.

Ms. Walters will be responsible for ensuring **the technical and administrative continuity of all aspects of a project**. Specifically, Ms. Walters will be responsible for 1) contractual compliance, 2) generating accurate cost estimate proposals, 3) overall project tracking including schedule control, 4) project financial performance, 5) providing quality assurance reviews, 6) subcontractor management, 7) management of communications with the City, and 7) assuring City satisfaction of all work conducted. Ms. Walters will remain available to the City throughout the contract duration. If management intervention is required, then Ms. Walters will interface with Task Managers to identify and implement corrective actions as are necessary to ensure that the City's project objectives are achieved.

The project management process will follow a path similar to that described in the Organizational Chart. Sandy Walters will serve as overall Principal in Charge, receiving assignments from the City. Ms. Walters will, whenever possible and necessary, meet with the City Project Manager in person to gain a full understanding of scope details, and will include relevant Task Manager(s) in the meeting or by telephone, as needed.

All SWC Team Task Managers are seasoned project managers with full skills to oversee entire project scopes. When multiple tasks are involved in a given assignment, which often is the case with medium to large projects, Ms. Walters will assign one Task Manager to serve as the overall



Project Manager, to coordinate the tasks, streamline communications and prevent duplicative effort. Ms. Walters will then work with the Project or Task Manager, depending on the assignment, to prepare a project approach outline, staffing plan, estimated schedule and budget. Medium and large assignments will also involve preparation of a project task list and schedule utilizing Microsoft Project, generating a Gantt chart. This plan and budget will then be provided to the City project manager for review and comment, and approval.

Project or Task Managers, depending on the assignment, will be directly responsible for providing regular weekly update reports to Ms. Walters on project status in regard to performance, schedule and cost compliance, and Ms. Walters will provide reports to City project management on a schedule set by the City for each assignment. This can vary, as, for example, a Phase I ESA takes approximately two to three weeks to complete, the scope is very specific, and the final document can usually be submitted at completion with no need for City staff to monitor the process. However, a complex contamination assessment and remediation project has many components that must be tracked throughout a schedule that can last for months to years, requiring regular updates.

Under the supervision of the Principal in Charge, Project or Task Managers will undertake the centralized managerial and operations role of all work activities associated with a particular assignment. They will **supervise the day-to-day operations of the project, including management review of all project deliverables, management of funds, and management of resources to implement each associated task.**

Based on their position within their firms and the SWC Team, each Project or Task Manager has the authority, subject to supervision and approval by the Principal in Charge, to 1) select support personnel to participate in the project as required, 2) manage resource capacity; 3) establish procedures for receiving/executing internal task assignments, 4) approve or disapprove work plans and selections of other Team members to participate, 5) allocate budgets among the work elements required for the project; 6) establish/enforce milestones to ensure timely completion of tasks, 7) approve or disapprove of project charges and technical deliverable, 8) communicate frequently with regulatory staff and facility owners/operators with regard to project progress, and 9) serve as a primary technical support contact for the City-designated Project Manager.

PROJECT SCHEDULE AND BUDGET TRACKING

As mentioned above, Project or Task Managers will report weekly to the Principal in Charge regarding project progress, including budget and schedule compliance. SWC utilizes an accounting program that incorporates regular budget tracking and all assignments will be input into the system for overall weekly tracking. In addition, project schedules will be monitored and updated, including Microsoft Project Gantt charts for medium and large projects. Invoicing will be conducted monthly, on either a lump sum/percent complete or cost reimbursable-per diem basis, as defined by each specific task order and following the protocol described in the contract.



QUALITY ASSURANCE

All members of the SWC Team have been successful in their businesses through a strong dedication to quality work and products, and all have extensive experience in implementing projects—small to large—that have been completed in a thorough and quality fashion.

The SWC Team utilizes a tiered Quality Assurance process that involves the following steps:

- With the exception of very small tasks such as site visits for Phase I ESAs or lead and asbestos surveys at clearly non-dangerous sites, field work always involves at least two individuals, both to provide for safety, and to allow cross-checking during work to ensure all procedures are followed and data collected accurately.
- Staff members are well-trained in their assignments and expected to conduct tasks following checklists to ensure all components are accurate and complete, and to provide the completed checklists along with deliverables to the appropriate Task Manager.
- Deliverables are then reviewed by the Task Manager, who returns them with instructions for revisions, if needed. The original markups are annotated by the staff person to show that the changes were made, and provided along with the revised deliverables for double-checking.
- Revised deliverables are again reviewed by either the Project Manager, Principal in Charge, or the appropriate Quality Assurance person as assigned by the Principal in Charge, and final revisions made, as needed.
- Clean, revised documents are prepared, ready for submittal to the client accompanied by a QA/QC form with signatures of the original and review personnel.

The SWC Team also implements regular project audits to confirm that the procedures to create project deliverables always meet a fully-professional level of care; and ensure consistency of the data, conclusions and recommendations.



**CITY OF KEY WEST
3126 Flagler Avenue
Key West, FL 33040**

ADDENDUM NO. 1 – RFQ Environmental Engineering/ ITB 14-004

This addendum is issued as supplemental information to the bid package for clarification of certain matters of both a general and a technical nature. The referenced bid package is hereby addended in accordance with the following items:

RFI Questions Submitted:

1.) Does the bid require that respondents be a licensed PE?

Yes, you should include a Licensed PE on your team.

2.) Can a Prime submit as a sub to another firm? Also, can a sub-contractor submit with more than one firm?

Yes.

3.) Please confirm the attached (46 pages) is the complete PDF for the subject submittal. Page 1 of the PDF states that the document is 47 pages in length. It also states that the “Request for Qualifications” section is 10 pages in length. However, per the attached, the section is 8 pages. I just want to be sure there are no missing pages.

Yes there are 46 pages and there are only 8 pages in the RFQ section.

4.) Under the “Scope of Work” section on page 7 of the RFQ, services from a Resident Project Representative would be required. Would a RPR differ from the Engineer of Record in this instance?

Yes, the RPR is the on-site staff providing daily (or other agreed on frequency) oversight (e.g., inspection)

5.) May firms only submit for one discipline or would a sub-consultant be needed to satisfy all service requirements per submission?

Must submit for all, using a sub-consultant as necessary.

6.) Will there be any page number limitations for any part of the qualification package?

Unless otherwise so stated in the RFQ, no limit

7.) Is there an incumbent? If so, can you provide the company name?

There is not an "incumbent" relative to an Environmental-specific General Services RFQ.

8.) Just to clarify the RFQ instructions, please advise: Put COPY Response and CD-ROM in envelope, seal it, mark it COPY and place inside of Envelope with ORIGINAL Response and CD-ROM, then seal that envelope? One envelope inside of another, correct?

Correct.

9.) Signed certifications are required by prime and subs, or just prime?

Just prime

10.) Please confirm that the required forms (Anti-Kickback Affidavit, Public Entity Crimes Certification, Equal Benefits for Domestic Partners Affidavit, and Cone of Silence Affidavit) are to be completed by the prime consultant only.

Correct.

11.) Are insurance certificates required to be provided at the time qualifications packages are submitted?

Yes

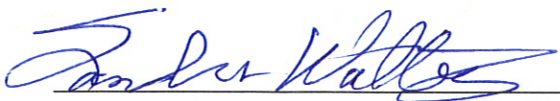
12.) Is a "description of the contractor's employee benefits plan" (page 17 of the RFQ) required to be included with the executed Equal Benefits for Domestic Partners Affidavit?

No

13.) Please confirm that electronic signatures are acceptable as originals.

Electronic signatures are acceptable

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 1 by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.



SWC (Sandra Walters Consultants, Inc.)

Signature

Name of Business

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

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

1. This sworn statement is submitted with Bid, Bid or Contract No. 14-004 for Environmental Engineering Services & Coastal Engineering Services

2. This sworn statement is submitted by SWC (Sandra Walters Consultants, Inc.)
(Name of entity submitting sworn statement)
whose business address is 6410 5th Street, Suite 3, Key West, FL 33040
_____ and (if applicable) its Federal
Employer Identification Number (FEIN) is 65-0975585 (If the entity has no FEIN,
include the Social Security Number of the individual signing this sworn statement.)

3. My name is Sandra Walters and my relationship to
(Please print name of individual signing)
the entity named above is President.

4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any Bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.

5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means
 1. A predecessor or successor of a person convicted of a public entity crime: or
 2. An entity under the control of any natural person who is active in the management of t entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural

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

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

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

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

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

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

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

Sandra Walters
(Signature)

June 30, 2014
(Date)

STATE OF FLORIDA

COUNTY OF MONROE

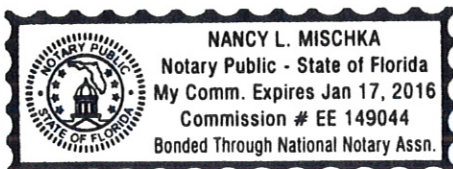
PERSONALLY APPEARED BEFORE ME, the undersigned authority,

SANDRA WALTERS who, after first being sworn by me, affixed his/her signature in the
(Name of individual signing)

space provided above on this 30th day of JUNE, 2014.

1-17-16
My commission expires:
NOTARY PUBLIC

Nancy L. Mischka
NANCY L. MISCHKA



Sec. 2-773. Cone of Silence

(a) Definitions. For purposes of this section, reference to one gender shall include the other, use of the plural shall include the singular, and use of the singular shall include the plural. The following definitions apply unless the context in which the word or phrase is used requires a different definition:

- 1) *Competitive Solicitation* means a formal process by the City of Key West relating to the acquisition of goods or services, which process is intended to provide an equal and open opportunity to qualified persons and entities to be selected to provide the goods or services. Competitive Solicitation shall include request for proposals ("RFP"), request for qualifications ("RFQ"), request for letters of interest ("RFLI"), invitation to bid ("ITB") or any other advertised solicitation.
- 2) *Cone of Silence* means a period of time during which there is a prohibition on communication regarding a particular Competitive Solicitation.
- 3) *Evaluation or Selection Committee* means a group of persons appointed or designated by the City to evaluate, rank, select, or make a recommendation regarding a Vendor or the Vendor's response to the Competitive Solicitation. A member of such a committee shall be deemed a city official for the purposes of subsection (c) below.
- 4) *Vendor* means a person or entity that has entered into or that desires to enter into a contract with the City of Key West or that seeks an award from the City to provide goods, perform a service, render an opinion or advice, or make a recommendation related to a Competitive Solicitation for compensation or other consideration.
- 5) *Vendor's Representative* means an owner, individual, employee, partner, officer, or member of the board of directors of a Vendor, or a consultant, lobbyist, or actual or potential subcontractor or sub consultant who acts at the behest of a Vendor in communicating regarding a Competitive Solicitation.

(b) Prohibited Communications: A Cone of Silence shall be in effect during the course of a Competitive Solicitation and prohibit:

- 1) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the City's administrative staff including, but not limited to, the city manager and his or her staff;

- 2) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the Mayor, City Commissioners, or their respective staff;
- 3) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and any member of a City evaluation and/or selection committee therefore; and
- 4) Any communication regarding a particular Competitive Solicitation between the Mayor, City Commissioners, or their respective staff, and a member of a City evaluation and/or selection committee therefore.

(c) Permitted Communications: Notwithstanding the foregoing, nothing contained herein shall prohibit:

- 1) Communication between members of the public who are not Vendors or a Vendor's representative and any city employee, official or member of the City Commission;
- 2) Communications in writing at any time with any city employee, official or member of the City Commission, unless specifically prohibited by the applicable Competitive Solicitation.

(A) However, any written communication must be filed with the City Clerk. Any City employee, official or member of the City Commission receiving or making any written communication must immediately file it with the City Clerk.

(B) The City Clerk shall include all written communication as part of the agenda item when publishing information related to a particular Competitive Solicitation.

- 3) Oral communications at duly noticed pre-bid conferences;
- 4) Oral presentations before publically noticed evaluation and/or selection committees;
- 5) Contract discussions during any duly noticed public meeting;
- 6) Public presentations made to the City Commission or advisory body thereof during any duly noticed public meeting;

- 7) Contract negotiations with city staff following the award of a Competitive Solicitation by the City Commission; or
- 8) Purchases exempt from the competitive process pursuant to section 2-797 of these Code of Ordinances.

(d) Procedure

- 1) The Cone of Silence shall be imposed upon each Competitive Solicitation at the time of Public Notice of such solicitation as provided by section 2-826 of this Code. Public notice of the Cone of Silence shall be included in the notice of the Competitive Solicitation. The city manager shall issue a written notice of the release of each Competitive Solicitation to the affected departments, with a copy thereof to each Commission member, and shall include in any public solicitation for goods and services a statement disclosing the requirements of this ordinance.
- 2) The Cone of Silence shall terminate at the time the City Commission or other authorized body makes final award or gives final approval of a contract, rejects all bids or responses to the Competitive Solicitation, or takes other action which ends the Competitive Solicitation.
- 3) Any City employee, official or member of the City Commission that is approached concerning a Competitive Solicitation while the Cone of Silence is in effect shall notify such individual of the prohibitions contained in this section. While the Cone of Silence is in effect, any City employee, official or member of the City Commission who is the recipient of any oral communication by a potential Vendor or Vendor's Representative in violation of this section shall create a written record of the event. The record shall indicate the date of such communication, the persons with whom such communication occurred, and a general summation of the communication.

(e) Violations/penalties and procedures.

- 1) A sworn complaint alleging a violation of this ordinance may be filed with the City Attorney's office. In each such instance, an initial investigation shall be performed to determine the existence of a violation. If a violation is found to exist, the penalties and process shall be as provided in section 1-15 of this Code.

- 2) In addition to the penalties described herein and otherwise provided by law, a violation of this ordinance shall render the Competitive Solicitation void at the discretion of the City Commission.
- 3) Any person who violates a provision of this section shall be prohibited from serving on a City of Key West advisory board, evaluation and/or selection committee.
- 4) In addition to any other penalty provided by law, violation of any provision of this ordinance by a City of Key West employee shall subject said employee to disciplinary action up to and including dismissal.
- 5) If a Vendor is determined to have violated the provisions of this section on two more occasions it shall constitute evidence under City Code section 2-834 that the Vendor is not properly qualified to carry out the obligations or to complete the work contemplated by any new Competitive Solicitation. The City's Purchasing Agent shall also commence any available debarment from city work proceeding that may be available upon a finding of two or more violations by a Vendor of this section.

ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA)
 : SS
COUNTY OF Lee)

I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

By: 
Richard Lewis, PhD, PE
Principal

Sworn and subscribed before me this

26th Day of June, 2014.


NOTARY PUBLIC, State of Florida at Large

My Commission Expires:  **CHRISTY NEWMAN**
MY COMMISSION # EE 164412
EXPIRES: January 29, 2016
Bonded Thru Budget Notary Services

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

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

1. This sworn statement is submitted with Bid, Bid or Contract No. 14-004 for
City of Key West Request for Qualifications for Environmental Engineering Services

2. This sworn statement is submitted by Conestoga-Rovers & Associates, Inc.
(Name of entity submitting sworn statement)

whose business address is 9110 College Pointe Court, Fort Myers, Florida 33919
and (if applicable) its Federal
Employer Identification Number (FEIN) is 16-1229774 (If the entity has no FEIN,
include the Social Security Number of the individual signing this sworn statement.)

3. My name is Richard Lewis, PhD, PE and my relationship to
(Please print name of individual signing)

the entity named above is Principal.

4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any Bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.

5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means

1. A predecessor or successor of a person convicted of a public entity crime: or

2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural

Sec. 2-773. Cone of Silence

(a) Definitions. For purposes of this section, reference to one gender shall include the other, use of the plural shall include the singular, and use of the singular shall include the plural. The following definitions apply unless the context in which the word or phrase is used requires a different definition:

- 1) *Competitive Solicitation* means a formal process by the City of Key West relating to the acquisition of goods or services, which process is intended to provide an equal and open opportunity to qualified persons and entities to be selected to provide the goods or services. Competitive Solicitation shall include request for proposals ("RFP"), request for qualifications ("RFQ"), request for letters of interest ("RFLI"), invitation to bid ("ITB") or any other advertised solicitation.
- 2) *Cone of Silence* means a period of time during which there is a prohibition on communication regarding a particular Competitive Solicitation.
- 3) *Evaluation or Selection Committee* means a group of persons appointed or designated by the City to evaluate, rank, select, or make a recommendation regarding a Vendor or the Vendor's response to the Competitive Solicitation. A member of such a committee shall be deemed a city official for the purposes of subsection (c) below.
- 4) *Vendor* means a person or entity that has entered into or that desires to enter into a contract with the City of Key West or that seeks an award from the City to provide goods, perform a service, render an opinion or advice, or make a recommendation related to a Competitive Solicitation for compensation or other consideration.
- 5) *Vendor's Representative* means an owner, individual, employee, partner, officer, or member of the board of directors of a Vendor, or a consultant, lobbyist, or actual or potential subcontractor or sub consultant who acts at the behest of a Vendor in communicating regarding a Competitive Solicitation.

(b) Prohibited Communications: A Cone of Silence shall be in effect during the course of a Competitive Solicitation and prohibit:

- 1) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the City's administrative staff including, but not limited to, the city manager and his or her staff;

- 2) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the Mayor, City Commissioners, or their respective staff;
- 3) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and any member of a City evaluation and/or selection committee therefore; and
- 4) Any communication regarding a particular Competitive Solicitation between the Mayor, City Commissioners, or their respective staff, and a member of a City evaluation and/or selection committee therefore.

(c) Permitted Communications: Notwithstanding the foregoing, nothing contained herein shall prohibit:

- 1) Communication between members of the public who are not Vendors or a Vendor's representative and any city employee, official or member of the City Commission;
- 2) Communications in writing at any time with any city employee, official or member of the City Commission, unless specifically prohibited by the applicable Competitive Solicitation.

(A) However, any written communication must be filed with the City Clerk. Any City employee, official or member of the City Commission receiving or making any written communication must immediately file it with the City Clerk.

(B) The City Clerk shall include all written communication as part of the agenda item when publishing information related to a particular Competitive Solicitation.

- 3) Oral communications at duly noticed pre-bid conferences;
- 4) Oral presentations before publically noticed evaluation and/or selection committees;
- 5) Contract discussions during any duly noticed public meeting;
- 6) Public presentations made to the City Commission or advisory body thereof during any duly noticed public meeting;

- 7) Contract negotiations with city staff following the award of a Competitive Solicitation by the City Commission; or
- 8) Purchases exempt from the competitive process pursuant to section 2-797 of these Code of Ordinances.

(d) Procedure

- 1) The Cone of Silence shall be imposed upon each Competitive Solicitation at the time of Public Notice of such solicitation as provided by section 2-826 of this Code. Public notice of the Cone of Silence shall be included in the notice of the Competitive Solicitation. The city manager shall issue a written notice of the release of each Competitive Solicitation to the affected departments, with a copy thereof to each Commission member, and shall include in any public solicitation for goods and services a statement disclosing the requirements of this ordinance.
- 2) The Cone of Silence shall terminate at the time the City Commission or other authorized body makes final award or gives final approval of a contract, rejects all bids or responses to the Competitive Solicitation, or takes other action which ends the Competitive Solicitation.
- 3) Any City employee, official or member of the City Commission that is approached concerning a Competitive Solicitation while the Cone of Silence is in effect shall notify such individual of the prohibitions contained in this section. While the Cone of Silence is in effect, any City employee, official or member of the City Commission who is the recipient of any oral communication by a potential Vendor or Vendor's Representative in violation of this section shall create a written record of the event. The record shall indicate the date of such communication, the persons with whom such communication occurred, and a general summation of the communication.

(e) Violations/penalties and procedures.

- 1) A sworn complaint alleging a violation of this ordinance may be filed with the City Attorney's office. In each such instance, an initial investigation shall be performed to determine the existence of a violation. If a violation is found to exist, the penalties and process shall be as provided in section 1-15 of this Code.

- 2) In addition to the penalties described herein and otherwise provided by law, a violation of this ordinance shall render the Competitive Solicitation void at the discretion of the City Commission.
- 3) Any person who violates a provision of this section shall be prohibited from serving on a City of Key West advisory board, evaluation and/or selection committee.
- 4) In addition to any other penalty provided by law, violation of any provision of this ordinance by a City of Key West employee shall subject said employee to disciplinary action up to and including dismissal.
- 5) If a Vendor is determined to have violated the provisions of this section on two more occasions it shall constitute evidence under City Code section 2-834 that the Vendor is not properly qualified to carry out the obligations or to complete the work contemplated by any new Competitive Solicitation. The City's Purchasing Agent shall also commence any available debarment from city work proceeding that may be available upon a finding of two or more violations by a Vendor of this section.

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

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

1. This sworn statement is submitted with Bid, Bid or Contract No. RFQ 14-004 for
Environmental Engineering Services

2. This sworn statement is submitted by GLE Associates, Inc.
(Name of entity submitting sworn statement)
whose business address is 4300 W. Cypress Street, Suite 400, Tampa, FL 33607
and (if applicable) its Federal
Employer Identification Number (FEIN) is 59-2975164 (If the entity has no FEIN,
include the Social Security Number of the individual signing this sworn statement.)

3. My name is Robert B. Greene and my relationship to
(Please print name of individual signing)
the entity named above is President.

4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any Bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.

5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means
 1. A predecessor or successor of a person convicted of a public entity crime: or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural

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

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

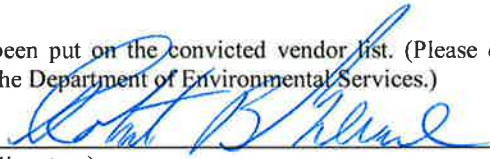
Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July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

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

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

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

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



(Signature)

(Date)

STATE OF Florida

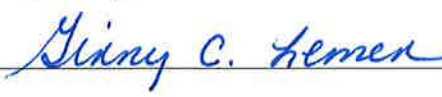
COUNTY OF Hillsborough

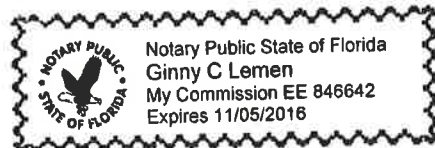
PERSONALLY APPEARED BEFORE ME, the undersigned authority,

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

space provided above on this 7th day of July, 2014.

My commission expires: 11/5/16
NOTARY PUBLIC





EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

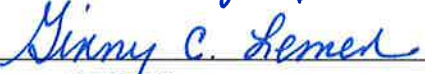
STATE OF FLORIDA)
 : SS
COUNTY OF Hillsborough)

I, the undersigned hereby duly sworn, depose and say that the firm of GLE Associates, Inc. provides benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses per City of Key West Ordinance Sec. 2-799.

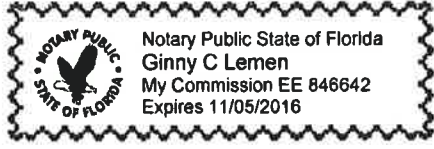
By: 

Sworn and subscribed before me this

7th Day of July, 2014. By Robert B. Greene, who is personally known to me.


NOTARY PUBLIC, State of Florida at Large

My Commission Expires: 11/5/16



Sec. 2-773. Cone of Silence

(a) **Definitions.** For purposes of this section, reference to one gender shall include the other, use of the plural shall include the singular, and use of the singular shall include the plural. The following definitions apply unless the context in which the word or phrase is used requires a different definition:

- 1) *Competitive Solicitation* means a formal process by the City of Key West relating to the acquisition of goods or services, which process is intended to provide an equal and open opportunity to qualified persons and entities to be selected to provide the goods or services. Competitive Solicitation shall include request for proposals ("RFP"), request for qualifications ("RFQ"), request for letters of interest ("RFLI"), invitation to bid ("ITB") or any other advertised solicitation.
- 2) *Cone of Silence* means a period of time during which there is a prohibition on communication regarding a particular Competitive Solicitation.
- 3) *Evaluation or Selection Committee* means a group of persons appointed or designated by the City to evaluate, rank, select, or make a recommendation regarding a Vendor or the Vendor's response to the Competitive Solicitation. A member of such a committee shall be deemed a city official for the purposes of subsection (c) below.
- 4) *Vendor* means a person or entity that has entered into or that desires to enter into a contract with the City of Key West or that seeks an award from the City to provide goods, perform a service, render an opinion or advice, or make a recommendation related to a Competitive Solicitation for compensation or other consideration.
- 5) *Vendor's Representative* means an owner, individual, employee, partner, officer, or member of the board of directors of a Vendor, or a consultant, lobbyist, or actual or potential subcontractor or sub consultant who acts at the behest of a Vendor in communicating regarding a Competitive Solicitation.

(b) **Prohibited Communications:** A Cone of Silence shall be in effect during the course of a Competitive Solicitation and prohibit:

- 1) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the City's administrative staff including, but not limited to, the city manager and his or her staff;

- 2) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the Mayor, City Commissioners, or their respective staff;
- 3) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and any member of a City evaluation and/or selection committee therefore; and
- 4) Any communication regarding a particular Competitive Solicitation between the Mayor, City Commissioners, or their respective staff, and a member of a City evaluation and/or selection committee therefore.

(c) Permitted Communications: Notwithstanding the foregoing, nothing contained herein shall prohibit:

- 1) Communication between members of the public who are not Vendors or a Vendor's representative and any city employee, official or member of the City Commission;
- 2) Communications in writing at any time with any city employee, official or member of the City Commission, unless specifically prohibited by the applicable Competitive Solicitation.

(A) However, any written communication must be filed with the City Clerk. Any City employee, official or member of the City Commission receiving or making any written communication must immediately file it with the City Clerk.

(B) The City Clerk shall include all written communication as part of the agenda item when publishing information related to a particular Competitive Solicitation.

- 3) Oral communications at duly noticed pre-bid conferences;
- 4) Oral presentations before publically noticed evaluation and/or selection committees;
- 5) Contract discussions during any duly noticed public meeting;
- 6) Public presentations made to the City Commission or advisory body thereof during any duly noticed public meeting;

- 7) Contract negotiations with city staff following the award of a Competitive Solicitation by the City Commission; or
- 8) Purchases exempt from the competitive process pursuant to section 2-797 of these Code of Ordinances.

(d) Procedure

- 1) The Cone of Silence shall be imposed upon each Competitive Solicitation at the time of Public Notice of such solicitation as provided by section 2-826 of this Code. Public notice of the Cone of Silence shall be included in the notice of the Competitive Solicitation. The city manager shall issue a written notice of the release of each Competitive Solicitation to the affected departments, with a copy thereof to each Commission member, and shall include in any public solicitation for goods and services a statement disclosing the requirements of this ordinance.
- 2) The Cone of Silence shall terminate at the time the City Commission or other authorized body makes final award or gives final approval of a contract, rejects all bids or responses to the Competitive Solicitation, or takes other action which ends the Competitive Solicitation.
- 3) Any City employee, official or member of the City Commission that is approached concerning a Competitive Solicitation while the Cone of Silence is in effect shall notify such individual of the prohibitions contained in this section. While the Cone of Silence is in effect, any City employee, official or member of the City Commission who is the recipient of any oral communication by a potential Vendor or Vendor's Representative in violation of this section shall create a written record of the event. The record shall indicate the date of such communication, the persons with whom such communication occurred, and a general summation of the communication.

(e) Violations/penalties and procedures.

- 1) A sworn complaint alleging a violation of this ordinance may be filed with the City Attorney's office. In each such instance, an initial investigation shall be performed to determine the existence of a violation. If a violation is found to exist, the penalties and process shall be as provided in section 1-15 of this Code.

- 2) In addition to the penalties described herein and otherwise provided by law, a violation of this ordinance shall render the Competitive Solicitation void at the discretion of the City Commission.
- 3) Any person who violates a provision of this section shall be prohibited from serving on a City of Key West advisory board, evaluation and/or selection committee.
- 4) In addition to any other penalty provided by law, violation of any provision of this ordinance by a City of Key West employee shall subject said employee to disciplinary action up to and including dismissal.
- 5) If a Vendor is determined to have violated the provisions of this section on two more occasions it shall constitute evidence under City Code section 2-834 that the Vendor is not properly qualified to carry out the obligations or to complete the work contemplated by any new Competitive Solicitation. The City's Purchasing Agent shall also commence any available debarment from city work proceeding that may be available upon a finding of two or more violations by a Vendor of this section.

ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA)
 : SS
COUNTY OF LEE)

I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

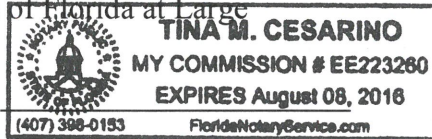
By: *[Handwritten Signature]*

Sworn and subscribed before me this

23rd Day of June, 2014.

Tina M. Cesarino
NOTARY PUBLIC, State of Florida at Large

My Commission Expires:



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

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

1. This sworn statement is submitted with Bid, Bid or Contract No. RFQ No. 14-004 for Environmental Engineering Services.

2. This sworn statement is submitted by Hans Wilson & Associates, Inc.
(Name of entity submitting sworn statement)

whose business address is 1938 Hill Avenue Fort Myers, FL 33901

and (if applicable) its Federal Employer Identification Number (FEIN) is 65-0992851 (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement.)

3. My name is Hans Wilson and my relationship to
(Please print name of individual signing)

the entity named above is President.

4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any Bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.

5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means
 1. A predecessor or successor of a person convicted of a public entity crime: or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural

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

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

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

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

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

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

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

Hans J. M. Wilson

(Signature)

6/23/14

(Date)

STATE OF FLORIDA

COUNTY OF LEE

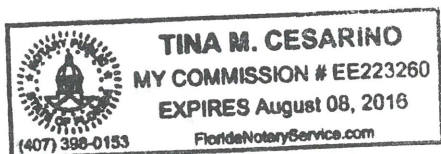
PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Hans Wilson who, after first being sworn by me, affixed his/her signature in the
(Name of individual signing)

space provided above on this 23rd day of June, 2014.

My commission expires:
NOTARY PUBLIC

Tina M. Cesarino



CONE OF SILENCE AFFIDAVIT


STATE OF FLORIDA)
 : SS
COUNTY OF LEE)

I, the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of Hans Wilson & Associates, Inc. have read and understand the limitations and procedures regarding communications concerning City of Key West issued competitive solicitations pursuant to City of Key West Ordinance Section 2-773 Cone of Silence (attached).

By: 

Sworn and subscribed before me this

23rd Day of June, 2014.


NOTARY PUBLIC, State of Florida at Large

My Commission Expires: _____



Sec. 2-773. Cone of Silence

(a) Definitions. For purposes of this section, reference to one gender shall include the other, use of the plural shall include the singular, and use of the singular shall include the plural. The following definitions apply unless the context in which the word or phrase is used requires a different definition:

- 1) *Competitive Solicitation* means a formal process by the City of Key West relating to the acquisition of goods or services, which process is intended to provide an equal and open opportunity to qualified persons and entities to be selected to provide the goods or services. Competitive Solicitation shall include request for proposals ("RFP"), request for qualifications ("RFQ"), request for letters of interest ("RFLI"), invitation to bid ("ITB") or any other advertised solicitation.
- 2) *Cone of Silence* means a period of time during which there is a prohibition on communication regarding a particular Competitive Solicitation.
- 3) *Evaluation or Selection Committee* means a group of persons appointed or designated by the City to evaluate, rank, select, or make a recommendation regarding a Vendor or the Vendor's response to the Competitive Solicitation. A member of such a committee shall be deemed a city official for the purposes of subsection (c) below.
- 4) *Vendor* means a person or entity that has entered into or that desires to enter into a contract with the City of Key West or that seeks an award from the City to provide goods, perform a service, render an opinion or advice, or make a recommendation related to a Competitive Solicitation for compensation or other consideration.
- 5) *Vendor's Representative* means an owner, individual, employee, partner, officer, or member of the board of directors of a Vendor, or a consultant, lobbyist, or actual or potential subcontractor or sub consultant who acts at the behest of a Vendor in communicating regarding a Competitive Solicitation.

(b) Prohibited Communications: A Cone of Silence shall be in effect during the course of a Competitive Solicitation and prohibit:

- 1) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the City's administrative staff including, but not limited to, the city manager and his or her staff;

- 2) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the Mayor, City Commissioners, or their respective staff;
- 3) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and any member of a City evaluation and/or selection committee therefore; and
- 4) Any communication regarding a particular Competitive Solicitation between the Mayor, City Commissioners, or their respective staff, and a member of a City evaluation and/or selection committee therefore.

(c) Permitted Communications: Notwithstanding the foregoing, nothing contained herein shall prohibit:

- 1) Communication between members of the public who are not Vendors or a Vendor's representative and any city employee, official or member of the City Commission;
- 2) Communications in writing at any time with any city employee, official or member of the City Commission, unless specifically prohibited by the applicable Competitive Solicitation.

(A) However, any written communication must be filed with the City Clerk. Any City employee, official or member of the City Commission receiving or making any written communication must immediately file it with the City Clerk.

(B) The City Clerk shall include all written communication as part of the agenda item when publishing information related to a particular Competitive Solicitation.

- 3) Oral communications at duly noticed pre-bid conferences;
- 4) Oral presentations before publically noticed evaluation and/or selection committees;
- 5) Contract discussions during any duly noticed public meeting;
- 6) Public presentations made to the City Commission or advisory body thereof during any duly noticed public meeting;

- 7) Contract negotiations with city staff following the award of a Competitive Solicitation by the City Commission; or
- 8) Purchases exempt from the competitive process pursuant to section 2-797 of these Code of Ordinances.

(d) Procedure

- 1) The Cone of Silence shall be imposed upon each Competitive Solicitation at the time of Public Notice of such solicitation as provided by section 2-826 of this Code. Public notice of the Cone of Silence shall be included in the notice of the Competitive Solicitation. The city manager shall issue a written notice of the release of each Competitive Solicitation to the affected departments, with a copy thereof to each Commission member, and shall include in any public solicitation for goods and services a statement disclosing the requirements of this ordinance.
- 2) The Cone of Silence shall terminate at the time the City Commission or other authorized body makes final award or gives final approval of a contract, rejects all bids or responses to the Competitive Solicitation, or takes other action which ends the Competitive Solicitation.
- 3) Any City employee, official or member of the City Commission that is approached concerning a Competitive Solicitation while the Cone of Silence is in effect shall notify such individual of the prohibitions contained in this section. While the Cone of Silence is in effect, any City employee, official or member of the City Commission who is the recipient of any oral communication by a potential Vendor or Vendor's Representative in violation of this section shall create a written record of the event. The record shall indicate the date of such communication, the persons with whom such communication occurred, and a general summation of the communication.

(e) Violations/penalties and procedures.

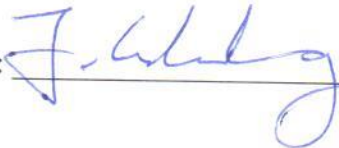
- 1) A sworn complaint alleging a violation of this ordinance may be filed with the City Attorney's office. In each such instance, an initial investigation shall be performed to determine the existence of a violation. If a violation is found to exist, the penalties and process shall be as provided in section 1-15 of this Code.

- 2) In addition to the penalties described herein and otherwise provided by law, a violation of this ordinance shall render the Competitive Solicitation void at the discretion of the City Commission.
- 3) Any person who violates a provision of this section shall be prohibited from serving on a City of Key West advisory board, evaluation and/or selection committee.
- 4) In addition to any other penalty provided by law, violation of any provision of this ordinance by a City of Key West employee shall subject said employee to disciplinary action up to and including dismissal.
- 5) If a Vendor is determined to have violated the provisions of this section on two more occasions it shall constitute evidence under City Code section 2-834 that the Vendor is not properly qualified to carry out the obligations or to complete the work contemplated by any new Competitive Solicitation. The City's Purchasing Agent shall also commence any available debarment from city work proceeding that may be available upon a finding of two or more violations by a Vendor of this section.

ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA)
 : SS
COUNTY OF Monroe)

I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

By: 

Sworn and subscribed before me this

 7 Day of July , 2014.



NOTARY PUBLIC, State of Florida at Large

ARTHUR F. MCCORMICK
NOTARY PUBLIC - STATE OF FLORIDA
COMMISSION # EE161500
EXPIRES 1/25/2016
BONDED THRU 1-888-NOTARY1

My Commission Expires: _____

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

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

1. This sworn statement is submitted with Bid, Bid or Contract No. 14-004 for Environmental Engineering Services & Coastal Engineering Services

2. This sworn statement is submitted by Cummins Cedorberg, Inc.
(Name of entity submitting sworn statement)

whose business address is 7550 Red Rd, #217, South Miami FL 33143 and (if applicable) its Federal

Employer Identification Number (FEIN) is 27-2129033 (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement.)

3. My name is Jannek Cedorberg and my relationship to
(Please print name of individual signing)

the entity named above is President.

4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any Bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.

5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means

1. A predecessor or successor of a person convicted of a public entity crime: or

2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural

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

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

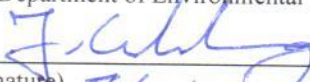
Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July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

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

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

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

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


(Signature) 7/7/2014
(Date)

STATE OF Florida

COUNTY OF Miami-Dade

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Fanne K Cederberg who, after first being sworn by me, affixed his/her signature in the
(Name of individual signing)

space provided above on this 7 day of July, 2014.

My commission expires:
NOTARY PUBLIC


ARTHUR F. MCCORMICK
NOTARY PUBLIC - STATE OF FLORIDA
COMMISSION # EE161500
EXPIRES 1/25/2016
BONDED THRU 1-888-NOTARY1

Sec. 2-773. Cone of Silence

- (a) Definitions. For purposes of this section, reference to one gender shall include the other, use of the plural shall include the singular, and use of the singular shall include the plural. The following definitions apply unless the context in which the word or phrase is used requires a different definition:
- 1) *Competitive Solicitation* means a formal process by the City of Key West relating to the acquisition of goods or services, which process is intended to provide an equal and open opportunity to qualified persons and entities to be selected to provide the goods or services. Competitive Solicitation shall include request for proposals ("RFP"), request for qualifications ("RFQ"), request for letters of interest ("RFLI"), invitation to bid ("ITB") or any other advertised solicitation.
 - 2) *Cone of Silence* means a period of time during which there is a prohibition on communication regarding a particular Competitive Solicitation.
 - 3) *Evaluation or Selection Committee* means a group of persons appointed or designated by the City to evaluate, rank, select, or make a recommendation regarding a Vendor or the Vendor's response to the Competitive Solicitation. A member of such a committee shall be deemed a city official for the purposes of subsection (c) below.
 - 4) *Vendor* means a person or entity that has entered into or that desires to enter into a contract with the City of Key West or that seeks an award from the City to provide goods, perform a service, render an opinion or advice, or make a recommendation related to a Competitive Solicitation for compensation or other consideration.
 - 5) *Vendor's Representative* means an owner, individual, employee, partner, officer, or member of the board of directors of a Vendor, or a consultant, lobbyist, or actual or potential subcontractor or sub consultant who acts at the behest of a Vendor in communicating regarding a Competitive Solicitation.
- (b) Prohibited Communications: A Cone of Silence shall be in effect during the course of a Competitive Solicitation and prohibit:
- 1) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the City's administrative staff including, but not limited to, the city manager and his or her staff;

- 2) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the Mayor, City Commissioners, or their respective staff;
 - 3) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and any member of a City evaluation and/or selection committee therefore; and
 - 4) Any communication regarding a particular Competitive Solicitation between the Mayor, City Commissioners, or their respective staff, and a member of a City evaluation and/or selection committee therefore.
- (c) Permitted Communications: Notwithstanding the foregoing, nothing contained herein shall prohibit:
- 1) Communication between members of the public who are not Vendors or a Vendor's representative and any city employee, official or member of the City Commission;
 - 2) Communications in writing at any time with any city employee, official or member of the City Commission, unless specifically prohibited by the applicable Competitive Solicitation.
 - (A) However, any written communication must be filed with the City Clerk. Any City employee, official or member of the City Commission receiving or making any written communication must immediately file it with the City Clerk.
 - (B) The City Clerk shall include all written communication as part of the agenda item when publishing information related to a particular Competitive Solicitation.
 - 3) Oral communications at duly noticed pre-bid conferences;
 - 4) Oral presentations before publically noticed evaluation and/or selection committees;
 - 5) Contract discussions during any duly noticed public meeting;
 - 6) Public presentations made to the City Commission or advisory body thereof during any duly noticed public meeting;

- 7) Contract negotiations with city staff following the award of a Competitive Solicitation by the City Commission; or
- 8) Purchases exempt from the competitive process pursuant to section 2-797 of these Code of Ordinances.

(d) Procedure

- 1) The Cone of Silence shall be imposed upon each Competitive Solicitation at the time of Public Notice of such solicitation as provided by section 2-826 of this Code. Public notice of the Cone of Silence shall be included in the notice of the Competitive Solicitation. The city manager shall issue a written notice of the release of each Competitive Solicitation to the affected departments, with a copy thereof to each Commission member, and shall include in any public solicitation for goods and services a statement disclosing the requirements of this ordinance.
- 2) The Cone of Silence shall terminate at the time the City Commission or other authorized body makes final award or gives final approval of a contract, rejects all bids or responses to the Competitive Solicitation, or takes other action which ends the Competitive Solicitation.
- 3) Any City employee, official or member of the City Commission that is approached concerning a Competitive Solicitation while the Cone of Silence is in effect shall notify such individual of the prohibitions contained in this section. While the Cone of Silence is in effect, any City employee, official or member of the City Commission who is the recipient of any oral communication by a potential Vendor or Vendor's Representative in violation of this section shall create a written record of the event. The record shall indicate the date of such communication, the persons with whom such communication occurred, and a general summation of the communication.

(e) Violations/penalties and procedures.

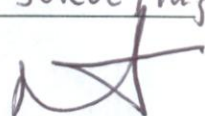
- 1) A sworn complaint alleging a violation of this ordinance may be filed with the City Attorney's office. In each such instance, an initial investigation shall be performed to determine the existence of a violation. If a violation is found to exist, the penalties and process shall be as provided in section 1-15 of this Code.

- 2) In addition to the penalties described herein and otherwise provided by law, a violation of this ordinance shall render the Competitive Solicitation void at the discretion of the City Commission.
- 3) Any person who violates a provision of this section shall be prohibited from serving on a City of Key West advisory board, evaluation and/or selection committee.
- 4) In addition to any other penalty provided by law, violation of any provision of this ordinance by a City of Key West employee shall subject said employee to disciplinary action up to and including dismissal.
- 5) If a Vendor is determined to have violated the provisions of this section on two more occasions it shall constitute evidence under City Code section 2-834 that the Vendor is not properly qualified to carry out the obligations or to complete the work contemplated by any new Competitive Solicitation. The City's Purchasing Agent shall also commence any available debarment from city work proceeding that may be available upon a finding of two or more violations by a Vendor of this section.

ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA)
 : SS
COUNTY OF Monroe)

I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

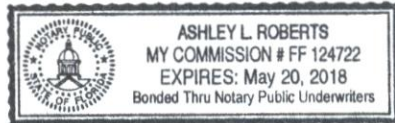
By: Island Surveying Inc.


Sworn and subscribed before me this

3 Day of July, 2014.


NOTARY PUBLIC, State of Florida at Large

My Commission Expires: _____



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

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

1. This sworn statement is submitted with Bid, Bid or Contract No. 14-004 for
Environmental Engineering Services & Coastal Engineering Services

2. This sworn statement is submitted by ISLAND SURVEYING INC
(Name of entity submitting sworn statement)

whose business address is 3152 Northside Drive, Suite 201

and (if applicable) its Federal
Employer Identification Number (FEIN) is 26-3162506 (If the entity has no FEIN,
include the Social Security Number of the individual signing this sworn statement.)

3. My name is Frederick H. Hildebrandt and my relationship to
(Please print name of individual signing)

the entity named above is OWNER.

4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any Bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.

5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means

1. A predecessor or successor of a person convicted of a public entity crime: or

2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural

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

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

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

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

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

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

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

(Signature)

7/3/14

(Date)

STATE OF Florida

COUNTY OF monroe

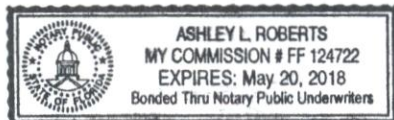
PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Ashley Lyn Roberts who, after first being sworn by me, affixed his/her signature in the
(Name of individual signing)

space provided above on this 3 day of July, 2014.

My commission expires:
NOTARY PUBLIC

Clay A. May



CONE OF SILENCE AFFIDAVIT

STATE OF Florida)
 : SS
COUNTY OF Monroe)

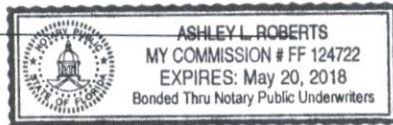
I the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of ISLAND SURVEYING INC. have read and understand the limitations and procedures regarding communications concerning City of Key West issued competitive solicitations pursuant to City of Key West Ordinance Section 2-773 Cone of Silence (attached).

Sworn and subscribed before me this

8 Day of July, 2014.

Ashley L. Roberts
NOTARY PUBLIC, State of Florida at Large

My Commission Expires:



Sec. 2-773. Cone of Silence

(a) Definitions. For purposes of this section, reference to one gender shall include the other, use of the plural shall include the singular, and use of the singular shall include the plural. The following definitions apply unless the context in which the word or phrase is used requires a different definition:

- 1) *Competitive Solicitation* means a formal process by the City of Key West relating to the acquisition of goods or services, which process is intended to provide an equal and open opportunity to qualified persons and entities to be selected to provide the goods or services. Competitive Solicitation shall include request for proposals ("RFP"), request for qualifications ("RFQ"), request for letters of interest ("RFLI"), invitation to bid ("ITB") or any other advertised solicitation.
- 2) *Cone of Silence* means a period of time during which there is a prohibition on communication regarding a particular Competitive Solicitation.
- 3) *Evaluation or Selection Committee* means a group of persons appointed or designated by the City to evaluate, rank, select, or make a recommendation regarding a Vendor or the Vendor's response to the Competitive Solicitation. A member of such a committee shall be deemed a city official for the purposes of subsection (c) below.
- 4) *Vendor* means a person or entity that has entered into or that desires to enter into a contract with the City of Key West or that seeks an award from the City to provide goods, perform a service, render an opinion or advice, or make a recommendation related to a Competitive Solicitation for compensation or other consideration.
- 5) *Vendor's Representative* means an owner, individual, employee, partner, officer, or member of the board of directors of a Vendor, or a consultant, lobbyist, or actual or potential subcontractor or sub consultant who acts at the behest of a Vendor in communicating regarding a Competitive Solicitation.

(b) Prohibited Communications: A Cone of Silence shall be in effect during the course of a Competitive Solicitation and prohibit:

- 1) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the City's administrative staff including, but not limited to, the city manager and his or her staff;

- 2) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the Mayor, City Commissioners, or their respective staff;
- 3) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and any member of a City evaluation and/or selection committee therefore; and
- 4) Any communication regarding a particular Competitive Solicitation between the Mayor, City Commissioners, or their respective staff, and a member of a City evaluation and/or selection committee therefore.

(c) Permitted Communications: Notwithstanding the foregoing, nothing contained herein shall prohibit:

- 1) Communication between members of the public who are not Vendors or a Vendor's representative and any city employee, official or member of the City Commission;
- 2) Communications in writing at any time with any city employee, official or member of the City Commission, unless specifically prohibited by the applicable Competitive Solicitation.

(A) However, any written communication must be filed with the City Clerk. Any City employee, official or member of the City Commission receiving or making any written communication must immediately file it with the City Clerk.

(B) The City Clerk shall include all written communication as part of the agenda item when publishing information related to a particular Competitive Solicitation.

- 3) Oral communications at duly noticed pre-bid conferences;
- 4) Oral presentations before publically noticed evaluation and/or selection committees;
- 5) Contract discussions during any duly noticed public meeting;
- 6) Public presentations made to the City Commission or advisory body thereof during any duly noticed public meeting;

- 7) Contract negotiations with city staff following the award of a Competitive Solicitation by the City Commission; or
- 8) Purchases exempt from the competitive process pursuant to section 2-797 of these Code of Ordinances.

(d) Procedure

- 1) The Cone of Silence shall be imposed upon each Competitive Solicitation at the time of Public Notice of such solicitation as provided by section 2-826 of this Code. Public notice of the Cone of Silence shall be included in the notice of the Competitive Solicitation. The city manager shall issue a written notice of the release of each Competitive Solicitation to the affected departments, with a copy thereof to each Commission member, and shall include in any public solicitation for goods and services a statement disclosing the requirements of this ordinance.
- 2) The Cone of Silence shall terminate at the time the City Commission or other authorized body makes final award or gives final approval of a contract, rejects all bids or responses to the Competitive Solicitation, or takes other action which ends the Competitive Solicitation.
- 3) Any City employee, official or member of the City Commission that is approached concerning a Competitive Solicitation while the Cone of Silence is in effect shall notify such individual of the prohibitions contained in this section. While the Cone of Silence is in effect, any City employee, official or member of the City Commission who is the recipient of any oral communication by a potential Vendor or Vendor's Representative in violation of this section shall create a written record of the event. The record shall indicate the date of such communication, the persons with whom such communication occurred, and a general summation of the communication.

(e) Violations/penalties and procedures.

- 1) A sworn complaint alleging a violation of this ordinance may be filed with the City Attorney's office. In each such instance, an initial investigation shall be performed to determine the existence of a violation. If a violation is found to exist, the penalties and process shall be as provided in section 1-15 of this Code.

- 2) In addition to the penalties described herein and otherwise provided by law, a violation of this ordinance shall render the Competitive Solicitation void at the discretion of the City Commission.
- 3) Any person who violates a provision of this section shall be prohibited from serving on a City of Key West advisory board, evaluation and/or selection committee.
- 4) In addition to any other penalty provided by law, violation of any provision of this ordinance by a City of Key West employee shall subject said employee to disciplinary action up to and including dismissal.
- 5) If a Vendor is determined to have violated the provisions of this section on two more occasions it shall constitute evidence under City Code section 2-834 that the Vendor is not properly qualified to carry out the obligations or to complete the work contemplated by any new Competitive Solicitation. The City's Purchasing Agent shall also commence any available debarment from city work proceeding that may be available upon a finding of two or more violations by a Vendor of this section.