RFP-365-26-JJ

Engineering Services for Stormwater Pump Station #16 Jackson to Jefferson Street Along SR A1A

Due Date: February 12, 2026

Submitted To:
Procurement Manager
2600 Hollywood Blvd
Suite 303
Hollywood, FL 33020

Submitted By:
Craig A. Smith & Associates LLC
1425 E Newport Center Dr,
Deerfield Beach, FL 33442
Ph: (954) 782-8222

TAB - A

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RFP-365-26-JJ

Engineering Services for Stormwater Pump Station #16 Jackson to Jefferson Street Along SR A1A

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TAB - B

Executive Summary

CRAIG A. SMITH & ASSOCIATES
A SMART-INFRASTRUCTURE COMPANY

February 12, 2026

City of Hollywood
2600 Hollywood Blvd Suite 303
Hollywood, FL 33020

Re: Response to RFQ-365-26-JJ Engineering Services for Stormwater Pump Station #16 – Jackson to Jefferson Street along SR A1A

Dear Selection Committee:

Craig A. Smith & Associates, LLC (CAS) is pleased to submit our Statement of Qualifications in response to **RFQ-365-26-JJ** for **Engineering Services for Stormwater Pump Station #16 – Jackson to Jefferson Street along SR A1A** for the Hollywood Community Redevelopment Agency (CRA) and the City of Hollywood.

Founded in 1980, CAS is a Florida-based, full-service engineering, surveying, and subsurface utility engineering firm with more than **40 years of experience delivering stormwater, flood mitigation, and infrastructure projects for coastal municipalities throughout South Florida**. Our firm brings technical expertise, multidisciplinary staffing, and regulatory familiarity necessary to plan, design, permit, and support construction of a critical stormwater pump station in a dense, coastal urban environment adjacent to **SR A1A and FDOT right-of-way**.

Firm Information

- **Company Name:** Craig A. Smith & Associates, LLC
- **Main Office Address:** 1425 E. Newport Center Drive Deerfield Beach, FL 33442
- **Telephone:** (954) 782-8222
- **Email:** Orubio@craigasmith.com
- **Primary Contact:** Orlando Rubio P.E., Vice President of Engineering

CAS will service this Contract from our **Deerfield Beach and Riviera Beach offices**, providing rapid response and on-site support for coordination with the CRA, City staff, FDOT, utilities, and adjacent stakeholders.

Relevant Experience and Qualifications

CAS has extensive experience providing **stormwater pump station planning, coastal drainage design, flood mitigation, H&H modeling, and CEI services** for municipalities facing tidal influence, high groundwater, constrained rights-of-way, and active redevelopment corridors. Our team routinely performs:

- Hydrologic and hydraulic modeling for coastal stormwater systems
- Pump station layout, wet well and force main design
- Electrical and mechanical coordination
- Surge, backflow, and tidal influence mitigation
- Utility coordination and subsurface utility engineering (SUE)
- Permitting with **Broward County Resilient Environmental Department (BCRED), FDOT, SFWMD, FDEP, and local agencies**
- Construction administration and inspection services

CAS currently provides engineering and stormwater services to numerous public-sector clients, including the **Cities of Deerfield Beach, Hallandale Beach, Oakland Park, Golden Beach, Sunny Isles Beach, Margate, Sweetwater, Belle Glade**, and others—many involving pump stations, coastal drainage systems, and CRA-driven infrastructure improvements.

Project Understanding and Approach

Stormwater Pump Station #16 is a critical asset for protecting adjacent neighborhoods and redevelopment areas from flooding caused by heavy rainfall, tidal influence, and storm surge. CAS understands the importance of:

- Maintaining traffic and pedestrian access along **SR A1A**
- Coordinating closely with **FDOT and utility owners**
- Designing resilient, maintainable pump station infrastructure
- Minimizing construction impacts within an active CRA corridor

Our approach emphasizes constructability, long-term operational efficiency, regulatory compliance, and cost-effective solutions tailored to coastal conditions.

Project Leadership and Key Personnel

- **Stephen C. Smith, P.E.** – President and **Principal-in-Charge**, authorized to negotiate and contractually bind the firm, responsible for executive oversight and quality assurance.
- **Orlando Rubio, P.E.** – Vice President of Engineering and **Project Manager**, serving as the primary point of contact and responsible for day-to-day coordination, design oversight, and schedule control.
    - Phone: (561) 314-4445
    - Email: ORubio@craigasmith.com

Supporting staff will include licensed civil engineers, CAD designers, inspectors, surveyors, and SUE professionals—all **full-time CAS employees** dedicated to this project to ensure continuity and accountability.

Commitment to the CRA and City of Hollywood

CAS is committed to partnering with the **Hollywood CRA and City of Hollywood** to deliver a reliable, resilient stormwater pump station that supports flood protection, economic redevelopment, and long-term community sustainability. We bring proven experience, local presence, and a collaborative mindset to ensure project success from planning through construction.

Thank you for your consideration. We look forward to the opportunity to serve as your trusted engineering partner for this important infrastructure improvement.

Respectfully submitted,
CRAIG A. SMITH & ASSOCIATES, LLC

Stephen C. Smith, P.E.
President

TAB - C

Firm Qualifications and Experience

Tab C: Firm Qualifications and Minimum Requirements

Firm Overview and Experience

Craig A. Smith & Associates, LLC (CAS) is a Florida-registered professional engineering firm with **over 45 years of continuous experience** providing engineering, surveying, permitting, and construction administration services for municipal infrastructure projects. CAS has extensive experience delivering **stormwater pump stations, coastal drainage improvements, flood mitigation systems, and utility infrastructure** for cities throughout South Florida, including projects influenced by **tidal conditions, high groundwater, constrained rights-of-way, and FDOT corridors** such as SR A1A.

Our experience directly aligns with the work contemplated in this solicitation, including stormwater modeling, pump station siting and design, environmental and right-of-way investigations, permitting, bid support, and construction administration.

Business Structure and Legal Status

- **Business Structure:** Limited Liability Company (LLC)
- **State of Registration:** Florida
- **Year Founded:** 1980
- **Years of Relevant Experience:** 45+ years

CAS is properly registered and authorized to conduct business in the State of Florida and maintains all required professional licenses and certifications to perform the services requested.

Firm Contact Information

- **Company Name:** Craig A. Smith & Associates, LLC
- **Principal Office Address:**
  1425 E. Newport Center Drive Deerfield Beach, FL 33442
- **Telephone:** (954) 782-8222
- **Fax:** (561) 844-4448
- **Email:** orubio@craigasmith.com
- **Website:** www.craigasmith.com
- **Primary Contact:**
  Orlando Rubio, P.E. – Vice President of Engineering

Firm Size, Staffing, and Licensure

CAS employs a multidisciplinary staff of **50+ full-time professionals**, including:

- Licensed Professional Engineers
- Licensed Professional Surveyors and Mapping Professionals
- CAD/GIS Technicians
- Construction Inspectors and Field Representatives
- Utility Locating and Subsurface Utility Engineering (SUE) Specialists
- Administrative and Project Support Staff

This staffing structure allows CAS to self-perform the majority of services required under this solicitation while maintaining schedule control, quality assurance, and cost efficiency.

All engineering services are performed under the responsible charge of **Florida-licensed Professional Engineers**, and CAS maintains all required professional liability, general liability, and workers' compensation insurance coverage.

Specialized Capabilities Relevant to This Project

CAS provides integrated, in-house capabilities critical to the successful delivery of Stormwater Pump Station #16, including:

- **Hydrologic and Hydraulic (H&H) Modeling** for coastal and tidal-influenced drainage systems
- **Surveying and Utility Locating**, including advanced **3-D Radar Tomography** to identify subsurface conflicts and reduce construction risk
- **Stormwater Pump Station Design**, including wet wells, force mains, electrical coordination, and constructability reviews
- **Environmental and Permitting Support** with BCRED, FDEP, USACE, FDOT, and local agencies
- **Right-of-Way and Easement Investigations**, including owner coordination and public presentations
- **Construction Administration**, including shop drawing review, RFIs, pay applications, change orders, and close-out certification

Subconsultant Support – Geotechnical Engineering and Mechanical and Electrical Engineering

For geotechnical engineering and materials testing services, CAS will partner with **RADISE International, L.C.**, a highly qualified geotechnical engineering firm founded in 1997. RADISE maintains a staff of **64 professionals** serving Miami-Dade, Broward, and Palm Beach Counties and provides in-house drilling, laboratory testing, and construction materials inspection services. CAS and RADISE have successfully collaborated on numerous municipal continuing contracts and stormwater and utility improvement projects throughout the Tri-County area.

For electrical engineering, controls, and instrumentation services, CAS will partner with **Smith Engineering Consultants, Inc.** (SEC), a highly qualified electrical engineering firm with extensive experience supporting civil infrastructure projects. SEC's staff brings specialized expertise in power distribution, electrical systems analysis, SCADA and HMI integration, automation, and facility controls for water and wastewater treatment plants and pump stations. The firm provides comprehensive in-house capabilities ranging from conceptual design and detailed plans and specifications to bid evaluation, shop drawing review, and construction-phase support. CAS and SEC have successfully collaborated on municipal infrastructure projects throughout South Florida, ensuring reliable, efficient, and technically sound electrical systems for complex pump station facilities.

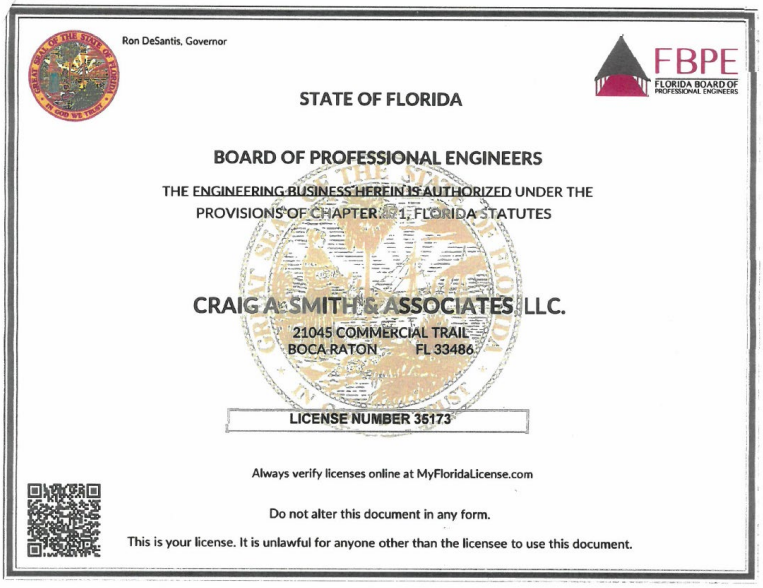
Local Presence and Project Management Location

CAS will manage this project from its **Deerfield Beach headquarters**, supported by additional offices and field staff throughout South Florida. This local presence ensures rapid response, consistent staffing, and effective coordination with the **Hollywood CRA, City staff, FDOT, regulatory agencies, and stakeholders**.

Conclusion

Craig A. Smith & Associates, LLC meets and exceeds all minimum qualification requirements outlined in this solicitation. With more than four decades of relevant experience, a strong local presence, multidisciplinary in-house capabilities, and proven expertise in coastal stormwater pump station projects, CAS is well positioned to support the Hollywood CRA and City of Hollywood in the planning, design, permitting, and construction of Stormwater Pump Station #16.

Professional Business Licenses



Ron DeSantis, Governor

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

CRAIG A. SMITH & ASSOCIATES, LLC.
21045 COMMERCIAL TRAIL
BOCA RATON FL 33486

LICENSE NUMBER 35173

Always verify licenses online at MyFloridaLicense.com

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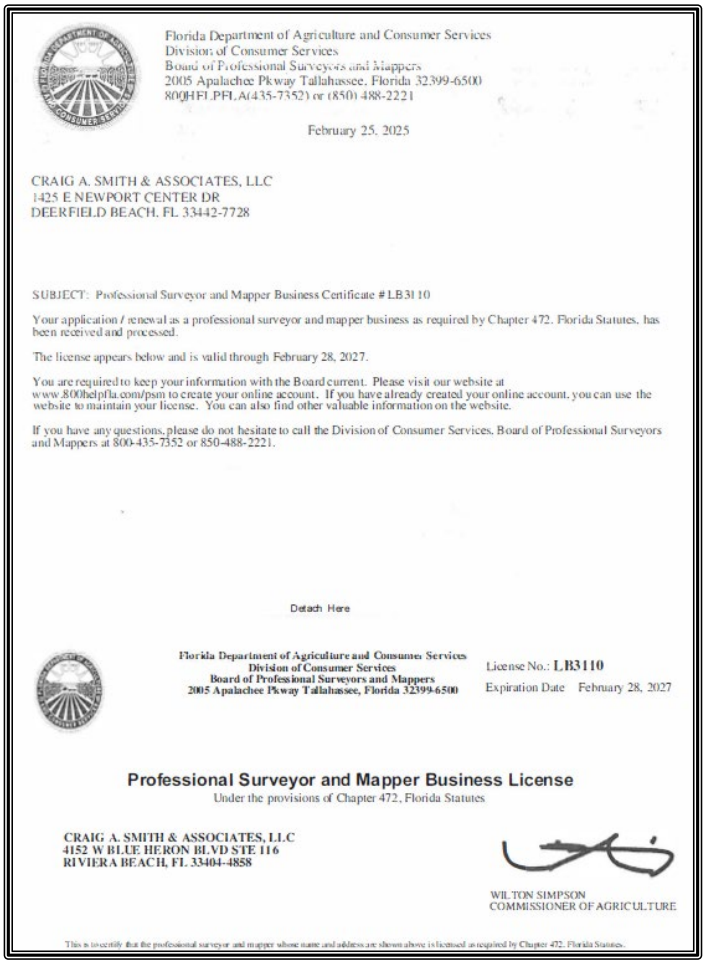

Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500
800HELPFLA(435-7352) or (850) 488-2221

February 25, 2025

CRAIG A. SMITH & ASSOCIATES, LLC
1425 E NEWPORT CENTER DR
DEERFIELD BEACH, FL 33442-7728

SUBJECT: Professional Surveyor and Mapper Business Certificate # LB3110

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

The license appears below and is valid through February 28, 2027.

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

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

Detach Here

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

License No.: **LB3110**
Expiration Date February 28, 2027

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

CRAIG A. SMITH & ASSOCIATES, LLC
4152 W BLUE HERON BLVD STE 116
RIVIERA BEACH, FL 33404-4858

WILTON SIMPSON
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.

Ron DeSantis, Governor

Melanie S. Griffin, Secretary

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

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

SMITH, STEPHEN CRAIG
9960 MAJORCA PLACE
BOCA RATON FL 334340000

LICENSE NUMBER: PE48914
EXPIRATION DATE: FEBRUARY 28, 2027
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Melanie S. Griffin, Secretary

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BOARD OF PROFESSIONAL ENGINEERS

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RUBIO, ORLANDO ALBERTO
7281 BRIELLA DR
BOYNTON BEACH FL 33437

LICENSE NUMBER: PE48265
EXPIRATION DATE: FEBRUARY 28, 2027
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CYGIELNIK, PRISCILLA MORALES
22648 LEMON TREE LANE
BOCA RATON FL 33428

LICENSE NUMBER: PE64672
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SHONK, DANIEL EUGENE
9500 126-B SW 3RD STREET
BOCA RATON FL 33428

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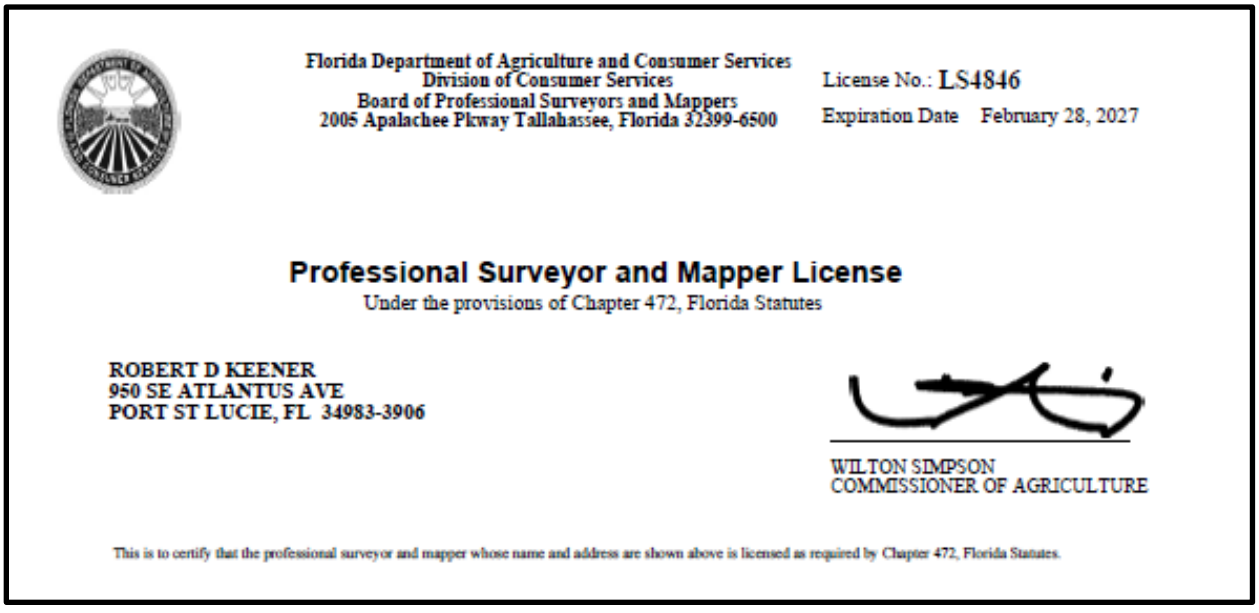

Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: LS4846
Expiration Date February 28, 2027

Professional Surveyor and Mapper License

Under the provisions of Chapter 472, Florida Statutes

ROBERT D KEENER
950 SE ATLANTUS AVE
PORT ST LUCIE, FL 34983-3906

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

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

State of Florida
Department of State

I certify from the records of this office that CRAIG A. SMITH & ASSOCIATES, LLC is a limited liability company organized under the laws of the State of Florida, filed on May 13, 2021.

The document number of this limited liability company is L21000210726.

I further certify that said limited liability company has paid all fees due this office through December 31, 2026, that its most recent annual report was filed on January 5, 2026, and that its status is active.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Fifth day of January, 2026

Secretary of State

Tracking Number: 1570861461CC

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

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State of Florida
Department of Environmental Protection

ISSUED: 04/14/2025 **LICENSE NO.: 0005083**

TODD V. LARSON

IS LICENSED UNDER PROVISIONS OF CHAPTER 403, FLORIDA STATUTES
AS A CLASS A DRINKING WATER TREATMENT PLANT OPERATOR.

VALID UNTIL: 04/30/2027

Ron DeSantis
GOVERNOR

DISPLAY IS REQUIRED BY LAW

Alexis A. Lambert
SECRETARY

State of Florida
Department of Environmental Protection

ISSUED: 04/14/2025 **LICENSE NO.: 0006341**

TODD V. LARSON

IS LICENSED UNDER PROVISIONS OF CHAPTER 403, FLORIDA STATUTES
AS A LEVEL B WASTEWATER TREATMENT PLANT OPERATOR.

VALID UNTIL: 04/30/2027

Ron DeSantis
GOVERNOR

DISPLAY IS REQUIRED BY LAW

Alexis A. Lambert
SECRETARY

State of Florida
Department of Environmental Protection

ISSUED: 03/16/2025 **LICENSE NO.: 0006167**

THE CLASS A DRINKING WATER TREATMENT OPERATOR NAMED BELOW IS
LICENSED UNDER THE PROVISIONS OF CHAPTER 403, FLORIDA STATUTES.

VALID UNTIL: 04/30/2027

CLAY R. SHRUM

RON DESANTIS
GOVERNOR

DISPLAY IS REQUIRED BY LAW

ALEXIS A. LAMBERT
SECRETARY

State of Florida
Department of Environmental Protection

ISSUED: 03/16/2025 **LICENSE NO.: 0007937**

THE CLASS B WASTEWATER TREATMENT OPERATOR NAMED BELOW IS LICENSED UNDER THE PROVISIONS OF CHAPTER 403, FLORIDA STATUTES.

VALID UNTIL: 04/30/2027

CLAY R. SHRUM

RON DESANTIS — GOVERNOR

DISPLAY IS REQUIRED BY LAW

ALEXIS A. LAMBERT — SECRETARY

U.S. ARMY CORPS OF ENGINEERS

NAVFAC

CERTIFICATE

David Lookabill

SAJ-08-23-00012

has completed the Corps of Engineers and Naval Facilities Engineering Command Training Course

CONSTRUCTION QUALITY MANAGEMENT FOR CONTRACTORS

Location	Training Date(s)	Instructional District/ NAVFAC	CQM-C Manager
EAA Area Office, Wellington, Florida	30 June 2023	Jacksonville District	Mark C. Waddell, Civil Engineer SAJ

Facilitator/Instructor	Instructor's Email	Telephone	Facilitator/Instructor Signature
Juan Sanchez Bulted, P.E., PMP	juan.m.sanchez-bulted2@usace.army.mil	561-308-8679	

THIS CERTIFICATE EXPIRES FIVE YEARS FROM DATE OF ISSUE

Chief, Construction Division SAJ
Jim Jeffords, P.E.

FAA Aviation Safety

Certificate of Achievement

This is to certify that

David Wayne Lookabill

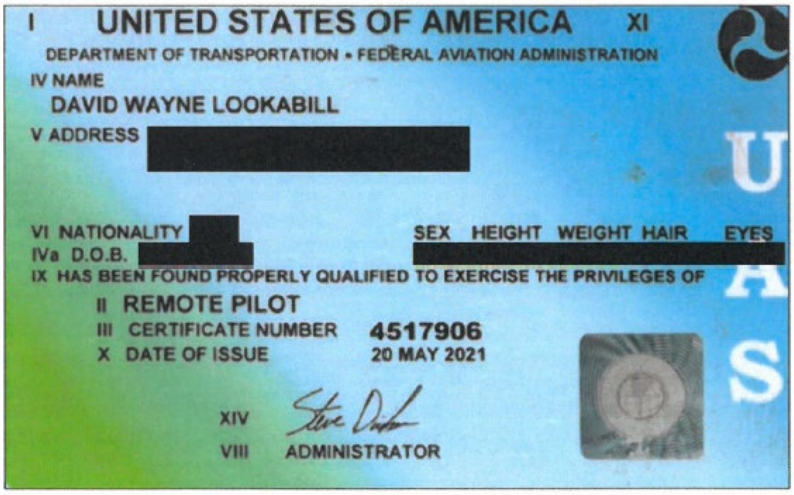
has successfully completed the
FAA Safety Team Aviation Learning Center Online Course

Part 107 Small Uas Recurrent

Course Number ALC-677
Presented by FAASTeam
April 18, 2025

Certificate Number 1424835-20250418-00677

Patricia Mathes, Manager, National FAA Safety Team



Palm Beach County
Office of Equal Business Opportunity

Certifies That

Craig A. Smith & Associates, LLC.

Vendor # **VS0000024110**

is a Small/Minority Business Enterprise (S/MBE) as prescribed by section 2-80.21 - 2.80.30 of the Palm Beach County Code for a three year period from

February 13, 2025 to February 12, 2028

The following services and/or products are covered under this certification:

Civil Engineering; Drainage Engineering; Mechanical Engineering; Mapping & Geographical Information Systems (GIS) Services; Sanitary Engineering; Sewage Collection, Treatment, and Disposal/Engineering; Surveyor Services, Land; Utility Locator Service (Underground); Waste Water Treatment Engineering; Water Supply, Treatment, and Distribution/Engineering

Allen Gray, Manager
02/13/2026

Palm Beach County Board of County Commissioners

Maria G. Marino, Mayor
Sara Baxter, Vice Mayor
Gregg K. Weiss
Joel Flores
Marci Woodward
Maria Sachs
Bobby Powell, Jr.

County Administrator
Verdenia C. Baker

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CRAIG A. SMITH & ASSOCIATES, LLC

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Vendor Registration

TYPE	SWA's Vendor Registration (Renew/Update)
DESCRIPTION	Solid Waste Authority of Palm Beach County Vendor Registration
DATE SUBMITTED	1/23/2025
STATUS	Accepted
REVIEWER	Tessa Levas
DATE REVIEWED	1/31/2025
REVIEW COMMENTS	
EXPIRATION DATE	1/31/2027

Settings

CERTIFIED AS M/WBE	
CERTIFIED AS SBE	Yes
CERTIFIED AS MBE	Yes
CERTIFIED AS WBE	
CERTIFIED AS OTHER	
NOTES	SBE 12/29/2022 12/28/2025 City of West Palm Beach Small Business Program SBE 8/22/2022 8/22/2025 South Florida Water Management District SBE 2/7/2022 2/6/2025 Palm Beach County Office of Equal Business Opportunity MBE 2/5/2022 2/6/2025 Palm Beach County Office of Equal Business Opportunity

Entity Information

BUSINESS NAME	CRAIG A. SMITH & ASSOCIATES, LLC
CONTACT FOR THIS SUBMISSION	Andrea Cole (change contact)
PRIMARY CONTACT EMAIL	acole@craigasmith.com
PHONE	561-314-4445
FAX	561-314-4458
COMPANY EMAIL	asmith@craigasmith.com
TAX ID NUMBER	863880398
COMPANY TYPE	Corporation
PHYSICAL ADDRESS	4152 W Blue Heron Blvd Suite 116 Riviera Beach, FL 33404 [map]
MAILING ADDRESS	4152 W Blue Heron Blvd Suite 116 Riviera Beach, FL 33404 [map]

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

September 5, 2025

REGISTERED VENDOR NO.: 1000000089

Mr. Aneesh Goly P.E., PhD., Principal
Craig A. Smith & Associates, LLC
4152 W Blue Heron Blvd, Suite 116
Riviera Beach, FL 33404

CERTIFICATION EFFECTIVE DATE:
September 5, 2025

CERTIFICATION EXPIRATION DATE:
September 5, 2028

Dear Mr. Goly:

Congratulations, the South Florida Water Management District (District) has recertified your firm as a Small Business Enterprise (SBE). This certification is valid for three (3) years and may only be applied when business is conducted in the following area(s):

Professional, Civil, Drainage, Water and Wastewater, and Mechanical Engineering Services; Mapping & Surveying; Underground Utility Locating; Construction and Project Management; Grant Writing Feasibility Studies; Permitting Services; As Built Certifications; Drone Aerial Imaging

Your submittal of bids or proposals to supply other products or services outside of the specialty area(s) noted above will not count toward SBE participation. If you require certification in other specialty areas, please contact the Procurement Bureau, SBE Section, for additional information.

Renewal is required every three (3) years and should be requested a minimum of 45 days prior to the above expiration date.

If any changes occur within your company during the certification period such as ownership, affiliate company status, address, telephone number, licensing status, gross revenue, or any information that relates to your SBE Certification status, you must notify this office in writing immediately. It is imperative that we maintain current information on your company at all times.

Certification is not a guarantee that your firm will receive work, nor an assurance that your firm will remain in the District's vendor database.

We look forward to a mutually beneficial working relationship.

Sincerely,

Jennifer Dollar
SBE Program Specialist
Procurement Bureau

JD

3301 Gun Club Road, West Palm Beach, Florida 33406 • (561) 686-8800 • 1-800-432-2045
Mailing Address: P.O. Box 24680, West Palm Beach, FL 33416-4680 • www.sfwmd.gov

RON DESANTIS
GOVERNOR

Florida Department of Transportation
605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETA

July 11, 2025

Aneesh Goly, Principal
CRAIG A. SMITH & ASSOCIATES, LLC
4152 W Blue Heron Boulevard
Suite 116
Riviera Beach, FL 33404
agoly@craigasmith.com

Dear Mr. Goly:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following professional services types of work per Rule 14-75, F.A.C.:

3.1 - Minor Highway Design

7.1 - Signing, Pavement Marking and Channelization

8.1 - Control Surveying
8.2 - Design, Right of Way & Construction Surveying
8.4 - Right of Way Mapping

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2026, for contracting purposes.

Approved Rates

Home Overhead	Facilities Capital Cost of Money (FCCM)	Premium Overtime	Home Direct Expense	Published Fee Schedule
172.61%	0.325%	Reimbursed	3.15%	No

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

Should you have any questions, please feel free to contact me by email at FDOT.PSPrequalification@dot.state.fl.us.

Sincerely,

Philip Pitts
Professional Services Qualification
Administrator PP/YG

State of Florida
Department of State

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

The document number of this limited liability company is L97000001085.

I further certify that said limited liability company has paid all fees due this office through December 31, 2026, that its most recent annual report was filed on February 4, 2026, and that its status is active.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Fourth day of February, 2026

Secretary of State

Tracking Number: 0330345452CC

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THE OFFICIAL SITE OF THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION

Florida dbpr Department of Business & Professional Regulation

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- AB&T Delinquent Invoice & Activity List Search

Licensee

Name:	**RADISE INTERNATIONAL, L.C.**	License Number:	**8901**
Rank:	**Registry**	License Expiration Date:	
Primary Status:	**Current**	Original License Date:	**05/04/2001**

Related License Information

License Number	Status	Related Party	Relationship Type	Relation Effective Date	Rank	Expiration Date
52845	Current, Active	ALLADY, KUMAR ACHYUT	Registry	02/25/2005	Professional Engineer	02/28/2027

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Printer Friendly

Return to License Details

RADISE INTERNATIONAL

Ron DeSantis, Governor

Melanie S. Griffin, Secretary

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STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL ENGINEERS

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GOLI, NITESH

3357 LAGO DE TALAVERA
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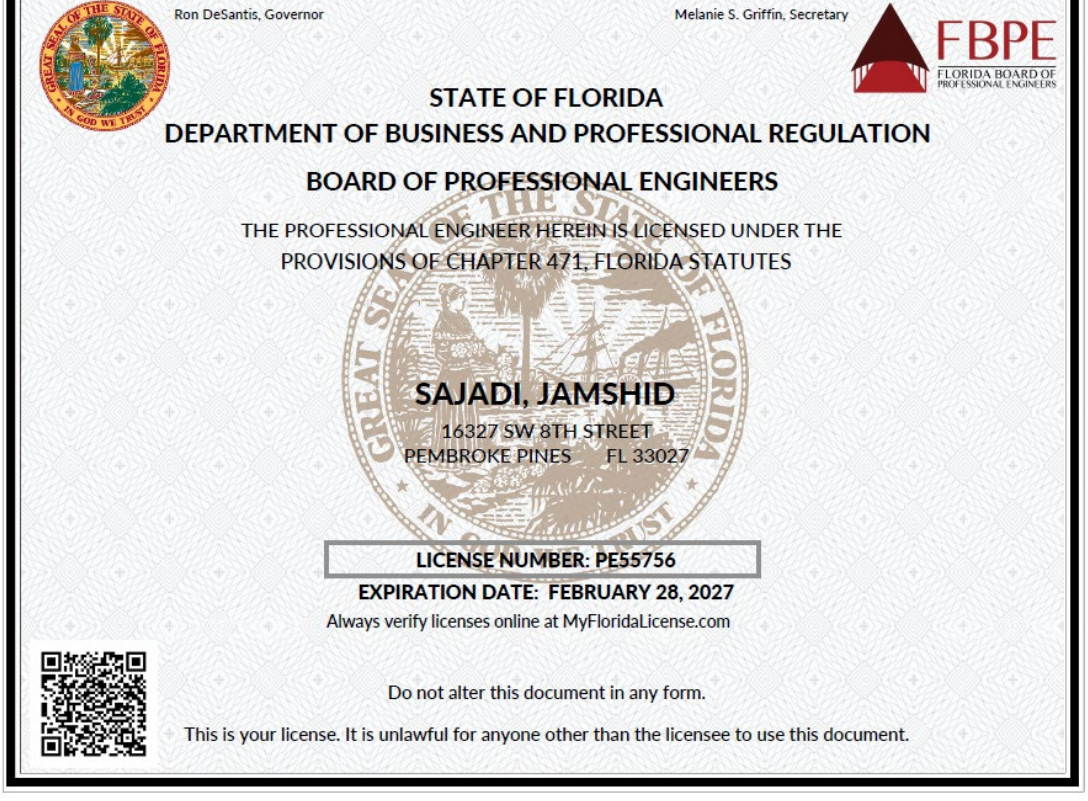

Ron DeSantis, Governor

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SAJADI, JAMSHID

16327 SW 8TH STREET
PEMBROKE PINES FL 33027

LICENSE NUMBER: PE55756

EXPIRATION DATE: FEBRUARY 28, 2027

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SEC Smith Engineering Consultants, Inc.

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SMITH, LARRY MICHAEL
2161 PALM BEACH LAKES BLVD
SUITE 312
WEST PALM BEACH FL 33409

LICENSE NUMBER: PE45997
EXPIRATION DATE: FEBRUARY 28, 2027
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JONES, DAVID R
15737 75TH AVE N
PALM BEACH GARDENS FL 33418

LICENSE NUMBER: PE41042
EXPIRATION DATE: FEBRUARY 28, 2027
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LICENSEE DETAILS 5:20:43 PM 9/13/2025

Licensee Information

Name:	SMITH ENGINEERING CONSULTANTS, INC. (Primary Name)
Main Address:	2161 PALM BEACH LAKES BOULEVARD SUITE 312 WEST PALM BEACH Florida 33409
County:	PALM BEACH
License Mailing:	2161 PALM BEACH LAKES BLVD. SUITE 312 WEST PALM BEACH FL 33409
County:	PALM BEACH

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	8228
Status:	Current
Licensure Date:	06/21/1999
Expires:	

Special Qualifications	Qualification Effective

Alternate Names

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2601 Blair Stone Road, Tallahassee FL 32399 :: Email: Customer Contact Center :: Customer Contact Center: 850.487.1395

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State of Florida
Department of State

I certify from the records of this office that SMITH ENGINEERING CONSULTANTS, INC. is a corporation organized under the laws of the State of Florida, filed on June 3, 1999, effective June 1, 1999.

The document number of this corporation is P99000049883.

I further certify that said corporation has paid all fees due this office through December 31, 2025, that its most recent annual report/uniform business report was filed on January 19, 2025, and that its status is active.

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

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Nineteenth day of January, 2025

Secretary of State

Tracking Number: 9073846044CC

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TAB - D

Organizational Profile and Project Team Qualifications

Tab D. Organizational Profile and Project Team Qualifications

Prime Consultant: Craig A. Smith & Associates LLC (CAS)

Craig A. Smith & Associates, LLC (CAS) is a Florida-registered, full-service civil engineering and surveying firm providing comprehensive infrastructure planning, design, surveying, utility locating, stormwater, water/wastewater, roadway, and construction management/CEI services. CAS is structured to deliver responsive, technically sound solutions for municipal and CRA-led capital improvement programs and has a long-standing record of successful project delivery throughout South Florida.

1. Office Locations and Staffing Levels

Craig A. Smith & Associates, LLC (CAS) is headquartered in **Deerfield Beach, Florida**, with satellite offices across **Palm Beach, Broward, and Miami-Dade Counties**. CAS maintains a full-service staff capable of providing civil engineering, surveying, utility locating, stormwater, water/wastewater, roadway, and construction management services.

Palm Beach County Office:	Broward County Office:	Miami-Dade Office
4152 W. Blue Heron Blvd., Suite 116 Riviera Beach, FL 33404	1425 E. Newport Center Dr. Deerfield Beach, FL 33442	7900 Oak Lane Miami Lakes, FL 33016
(561) 314 4445	(954) 782-8222	(305) 940-4661

Staffing Summary
CAS maintains a multidisciplinary staff capable of supporting concurrent CRA/City assignments:

- Civil / Engineering
- Survey / Geomatics
- Subsurface Utility Engineering (SUE)
- Construction Management / CEI
- CADD and Technical Support
- Administrative Support

This staffing depth ensures continuity of service, schedule adherence, and quality control across all phases of project delivery.

2. Anticipated Work Allocation

The anticipated percent of work by staff level for this engagement:

Staff Level	Role / Responsibility	Percent of Work
Senior Engineers / Principals	Contract management, design oversight, client coordination	20%
Project Managers	Project execution, quality control, schedule management	25%
Engineers / Designers	Civil, drainage, roadway, water/wastewater, stormwater design	30%
Survey / SUE Staff	Field surveys, utility locates, subsurface utility engineering	15%
Construction Management / CEI	Site inspections, reporting, contractor coordination	10%

3. Key Personnel Experience & Qualifications

CAS proposes a highly experienced project team, with all assigned staff exceeding the minimum five-year experience requirement in their respective professional disciplines.

Project Management Team

Stephen C. Smith, P.E.
Principal

- **Experience:** 39 years
- **Years with CAS:** 39
- **Role:** Overall contract oversight, executive-level coordination with the CRA/City, and contract administration.
- **Expertise:** Municipal infrastructure, regulatory coordination, quality assurance, and risk management.

Priscilla Cygielnik, P.E., MBA
Contract Manager

- **Experience:** 26 years
- **Years with CAS:** 1
- **Role:** Day-to-day project management, design oversight, quality control, permitting coordination, and engineering decision-making.
- **Expertise:** CRA and municipal infrastructure projects, interdisciplinary coordination, schedule and budget control.

Engineering and Technical Staff

Orlando A. Rubio, P.E. – Vice President of Engineering

- **Experience:** 37 years
- **Years with CAS:** 25

- **Role:** Stormwater engineering, master planning, hydrologic and hydraulic modeling.

Daniel E. Shonk, P.E., S.I. – Utilities Project Manager

- **Experience:** 21 years
- **Years with CAS:** 5
- **Role:** Project execution, design review, construction coordination, and cost/schedule management.
- **Expertise:** Utility and roadway projects, inspection, and construction-phase services.

Greg A. Giarratana – Senior Supervising Engineer

- **Experience:** 47 years
- **Years with CAS:** 28
- **Role:** Utilities engineering design, senior-level technical review, and staff mentorship.

Todd V. Larson – Engineering Staff

- **Experience:** 47 years
- **Years with CAS:** 6
- **Role:** Civil and drainage engineering analysis and design support.

Albert J. Caruso, E.I. – Project Engineer

- **Experience:** 38 years
- **Years with CAS:** 29
- **Role:** Technical design support, plan preparation, and coordination.

Surveying and SUE Personnel

Robert D. Keener, P.S.M. – Survey / Geomatics Manager

- **Experience:** 47 years
- **Years with CAS:** 31
- **Role:** Survey coordination, quality control, and field crew supervision.

David Lookabill – Survey Coordination Manager

- **Experience:** 41 years
- **Years with CAS:** 12
- **Role:** Survey project management and field operations oversight.

James F. Driscoll – SUE Director

- **Experience:** 34 years
- **Years with CAS:** 32
- **Role:** Subsurface utility engineering oversight, coordination, and QA/QC.

Alan Lopez – SUE Manager

- **Experience:** 24 years
- **Years with CAS:** 7
- **Role:** SUE field supervision and utility locating management.

Detailed resumes and professional licenses for all proposed personnel are included in the Appendix.

Name	Project Role	Years of Experience	Qualifications	Responsibilities in Proposal
Stephen C. Smith, P.E.	Principal	39	B.S., P.E.	Overall project oversight, client liaison, contract administration
Priscilla Cygielnik, P.E.	Contract Manager	26	MBA, P.E.	Design oversight, quality control, permitting, engineering decisions
Orlando A. Rubio, P.E.	VP of Engineering	37	B.S., P.E.	Stormwater engineering design, master planning, hydrologic modeling
Daniel E. Shonk, P.E., S.I.	Utilities Project Manager	21	B.S., P.E., S.I.	Project execution, design review, schedule and budget control
Greg A. Giarratana	Senior Supervising Engineer	47	B.S.	Utilities engineering design, staff mentorship, project supervision
Todd V. Larson	Engineering Staff	47	B.S.	Civil and drainage engineering support
Albert J. Caruso, E.I.	Project Engineer	38	E.I.	Design and technical support
Robert D. Keener, P.S.M.	Survey / Geomatics	47	P.S.M.	Survey coordination, field crew supervision
David Lookabill	Survey Coordination Manager	41	–	Survey project management, field oversight
James F. Driscoll	SUE Director	34	–	Subsurface utility engineering, coordination, quality control
Alan Lopez	SUE Manager	24	–	SUE field supervision, utility locates management

Licenses and Resumes: Resumes and professional licenses for all key personnel are provided in the attached appendix.

Subconsultants

RADISE International, L.C. – Geotechnical & Materials Testing

Responsibilities: Geotechnical engineering, drilling, construction materials testing, QA/QC, permitting, and reporting.

Personnel: Jamshid Sajadi, PE; Nitesh Goli
Experience with CAS: Provided geotechnical services for utility projects, including water main, sewer

force main, stormwater/drainage, roadway, and pump station projects for: Town of Pembroke Park, Indian Trail Improvement District, Spring Lake Improvement District, City of Moore Haven, Glades County/CCPWA, Hardee County, Okeechobee County, City of Belle Glade, Sunny Isles Beach, City of Margate.

Smith Engineering Consultants, Inc. (SEC) – Electrical & Mechanical Engineering

Responsibilities: Electrical, instrumentation, SCADA design for water/wastewater, stormwater, street lighting, and lift/pump stations.

Personnel: Larry Smith, Principal Electrical Engineer; Luther Fair, Senior PM Electrical; David Jones, PE, Mechanical Engineer

Experience with CAS: Electrical design for Acreage Community Park South Expansion, Sun-N-Lake Mantanzas Wastewater Lift Station, Glades County Washington Park WW Lift Station, Spring Lake Improvement District Water Treatment Plant No. 1 & No. 2 Improvements

Integration Experience

- CAS has successfully **led multi-disciplinary teams**, managing subconsultants RADISE, and SEC to deliver integrated civil, structural, geotechnical, electrical, and transportation solutions.
- CAS maintains **single-source responsibility**, overseeing design, construction, and QA/QC across all disciplines.
- Proven history of collaboration across South Florida over the past **five years**, ensuring schedule, budget, and regulatory compliance.

CITY OF HOLLYWOOD

CRAIG A. SMITH & ASSOCIATES (SBE)

***CIVIL ENGINEERS * SURVEYORS * UTILITY LOCATORS ***

***KEY CAS STAFF ARE HIGHLIGHTED IN YELLOW**
****SUBCONSULTANTS ARE HIGHLIGHTED IN GREEN**

SBE = SMALL BUSINESS ENTERPRISE

DBE = DISADVANTAGED BUSINESS ENTERPRISE

Stephen C. Smith, P.E.
QA/QC

PRINCIPAL-IN-CHARGE

Priscilla Cygielnik, P.E.
Contract Director

Project Manager

STORMWATER/ DRAINAGE /ROADWAY ENGINEERING

Orlando A. Rubio, P.E.
Project Manager

Al Caruso, E.I.
Project Engineer

WATER/WASTEWATER ENGINEERING

Daniel E. Shonk, P.E.
Project Manager

Greg Giarratana
Senior Supervising Engineer

Johnathan Lash
Project Engineer

SURVEY & MAPPING

Robert Keener, P.S.M.
Vice President - Survey

David Lookabill
Survey Coordination Manager

Zachary Powers
Party Chief
David Raines
Party Chief
Alexander Chick
Party Chief

SUBSURFACE UTILITY ENGINEERING (UTILITY LOCATES)

James Driscoll
Vice President -Utility Locates

Alan Lopez
Locates Supervisor

CONSTRUCTION MANAGEMENT & INSPECTION

Todd Larson
Senior Field Representative

GEOTECHNICAL & MATERIAL TESTING SERVICES

RADISE INTERNATIONAL, LLC. [DBE]

Jamshid Sajadi Ph.D., P.E.,
Senior Geotechnical Engineer

Nitesh Goli, P.E., PMP
Geotechnical Engineer

ELECTRICAL ENGINEERING

SMITH ENGINEERING CONSULTANTS [SBE]

Larry Smith, P.E.,
Principal Electrical Engineer

David Jones, P.E.
Senior Mechanical Engineer

Luther E. Fair, P.E.
Senior Project Manager

Steve Hockman
Senior Electrical Designer

Stephen C. Smith, P.E.

President

Mr. Smith has over 40 years of experience in the engineering, survey and utility construction fields.

Mr. Smith's responsibilities include management of daily business operations for a 50+ member civil engineering, utility locates and surveying firm with gross sales of $7+ million. He oversees all areas of business including engineering, surveying, construction management services, subsurface utility engineering, accounting and human resources. Specifically, Mr. Smith also oversees all transportation/roadway, water/wastewater and stormwater projects including studies, reports and design. He ensures proper allocation of resources, staffing, financial management, quality control and timely project completion.

Selected Relative Experience:

Stormwater Pump Station Improvements Phase IV – City of Sweetwater, Miami-Dade County, Florida. Due to repetitive, historical flooding within the 138 acre residential area, Phase IV Stormwater Improvements for the City of Sweetwater received substantial HMGP funding from FEMA. Surveying, utility easement acquisition, utility locating, FEMA grant applications, planning, design, cost estimates, preparation of construction plans and contract documents, permitting, bidding, construction management and limited engineering services during construction for the installation of 130 structures, 10,795 linear feet of drainage pipe ranging in size from 15-inch to 72-inch, 1,506 linear feet of 30-inch force main and 2-triplex pumping stations (28 HP). The project was inspected and certified by the City Engineer's office.

Stormwater Improvements – Phase 8A – City of Sweetwater, Miami-Dade County, Florida CAS acted as the City's representative and provided engineering services during construction which included visits to the site at intervals appropriate to stages of construction to provide construction observation as necessary for certifications to the appropriate agencies. CAS conducted a final inspection with the appropriate agencies to determine if the work is acceptable and assist the owner with project close-out procedures. provided a qualified full-time construction inspector to perform observation services to ensure the project is constructed in accordance with the engineering plans. Services include daily observation of contractor's activities to document conformance to the design plans and technical specifications, as well as coordination between contractor and design engineer as needed to resolve field conflicts or issues.

Stormwater Master Plan, Design and Construction Management for City Wide 6 Phase Stormwater Improvement Plan - City of Sweetwater, Miami-Dade County, Florida. Responsible for the master planning, project management, resource allocation, scheduling, budgeting and quality assurance of the stormwater design, as well as the project management of the stormwater construction and implementation.

Areas of Expertise

- Project Management
- Quality Assurance/Quality Control
- Stormwater Master Planning, Design, Implementation & Management
- Roadway Design & Management
- Resource Management
- Project Scheduling
- Project Budgeting
- Constructability Review

Education

- Auburn University, Auburn, Alabama Bachelor of Science, Civil Engineering 1988
- Auburn University, Auburn, Alabama Bachelor of Science, Building Construction - 1986

Licensure

- Florida Licensed Engineer PE48914

Affiliations

- Florida Engineering Society (FES)
- American Society of Civil Engineers (ASCE)
- Florida Institute of Consulting Engineers

Employment with CAS: 37 yrs
Employment with other firms: 3 yrs

Utility Master Plan, Design and Construction Management for Town Wide 6 Phase Stormwater Improvement Plan and Water Main Replacement - Town of Golden Beach, Miami-Dade County, Florida. Responsible for the master planning, project management, resource allocation, scheduling, budgeting and quality assurance of the stormwater and watermain and utility undergrounding design. Also responsible for the project management of the stormwater and water main construction and implementation.

Stormwater Master Plan, Design and Construction Management for City Wide Priority Based Stormwater Improvement Plan - City of Oakland Park, Broward County, Florida. Responsible for the master planning, project management, resource allocation and quality assurance of the stormwater design, as well as the project management of the stormwater construction and implementation.

Andrews Avenue Widening and Intersection Improvements - Broward County, Florida. Responsible for the roadway widening and stormwater design improvements from Cypress Road to Racetrack Road, including intersection improvements at McNab Road and Racetrack Road. Performed project management for construction observation services.

Biscayne Boulevard Widening and Intersection Improvements - Miami-Dade County, Florida (FDOT District 6). Responsible for the roadway widening and stormwater design improvements from NE 163rd Street to 203rd Street, including intersection improvements.

NE 174th Street Roadway - Roadway Infrastructure Improvements – City of Sunny Isles Beach, Florida The Roadway Improvements Project for NE 17 4th Street consisted of a reconstruction of both the drainage and the road for approximately 0.2 miles from Collins Avenue to North Bay Road. The existing roadway system was failing due to poor soil conditions, a limited drainage system and an undersized outfall. The new roadway incorporated a reconstructed base with geotech fabric to offset the soils. The design also included a new drainage system that met water quality requirements, site demolition, road regrading, utility relocations, sidewalks and paver walkways, landscaping, curbing, bike paths and parallel parking. The design was completed within two years under budget at a cost of $212,180. Construction of the project was completed in the Spring of 2017 with an estimated cost of $3,682,392.

Sanitary Sewer Pump Station and Forcemain Improvements - Town of Pembroke Park, Pembroke Park, Florida. Responsible for the master planning, project management, resource allocation, scheduling, budgeting and quality assurance of the Sanitary Pump Station and Force Main Improvements Project for the Town of Pembroke Park. Project was completely funded by a Rural Development Grant. Improvements included the installation of 1,500 linear feet of 10-inch force main which remained a dry line for four years until further funding became available. Remaining work included the rehabilitation of 22 lift stations, the decommissioning of 6 existing lift stations and the installation of a magmeter with telemetry system.

Sanitary Sewer Improvements – Phase I – Bal Harbour Village, Bal Harbour, Florida. Responsible for the master planning, project management, resource allocation, scheduling, budgeting and quality assurance of the Wastewater Pump Station No. 3 and Gravity Sewer Improvements (Sanitary Sewer Improvements Phase I) project for Bal Harbour Village which included the installation of a new triplex submersible pump station with a 12-foot diameter wet well, control panel, automatic transfer switch receptacle, emergency generator, and all associated appurtenances, in addition to approximately 1,350 linear feet of 18" gravity sewer lines to the pump station.

Town of Golden Beach – Water Distribution System Improvements, Golden Beach, Florida. Responsible for the water distribution system improvements project for the Town of Golden Beach which was an integral part of the town's Capital Improvements Plan. Work included the installation of approximately 1,215 linear feet of 12-inch water main, 13,850 linear feet of 8-inch water main and 1,050 linear feet of 6-inch water main, 37 fire hydrant assemblies, and the transfer of 370 new water meters for a complete retrofit of the town's water main infrastructure. This project was funded through FDEP's State Revolving Fund Program.

Sanitary Sewer Master Plan – Village of El Portal, Florida. Responsible for the master planning, project management, resource allocation, scheduling, budgeting and quality assurance of the Sanitary Sewer Master Plan which encompassed a comprehensive report to define priority areas and determined corrective actions required to convert from a decentralized wastewater treatment system (septic system) to a new sanitary sewer gravity collection system with lift stations. The Master Plan also included a comprehensive survey base map for the entire village, hydraulic sewer modeling and the overall design of eighteen phases of construction. The sanitary sewer systems were developed using best management practices, current levels of service, and to investigate various funding sources.

Priscilla M. Cygielnik, P.E.

Project Manager
Engineering Department

Areas of Expertise

- Project Management
- Quality Assurance/Quality Control
- Stormwater Master Planning, Design, Implementation & Management
- Roadway Design & Management
- Resource Management
- Permitting and Agency Coordination
- Bidding Services
- Construction Management
- Constructability Reviews
- Scheduling & Productivity

Education

- (BSCE) Virginia Polytechnic Institute and State University
- (MBA) University of Florida

Licensure

- Florida & Virginia Licensed Professional Engineer - #PE64672

Affiliations

- American Public Works Association (APWA)
- American Water Works Association (AWWA)

Employment with CAS: 2 yrs
Employment with other firms: 24 yrs

Ms. Cygielnik has over 25 years of experience managing, directing, and supervising public sector infrastructure projects for local governments. Her career spans 20 years in the public sector administrating Public Works functions to include engineering, water plant, utilities, stormwater, infrastructure, facilities and capital projects.

Ms. Cygielnik is responsible for the development of project scopes, stormwater and utilities master plans, federal and state grant applications, construction plans of various infrastructure projects in accordance with established criteria; engineering principles, and normal construction practices; and development of jurisdictional agency permit packages and coordination. She conducts field and office visits with clients, permitting agency staff, and other project coordination as necessary. Ms. Cygielnik conducts plan and engineering reviews for compliance for municipal clients.

Selected Relative Experience:

Stormwater Master Plan, Deerfield Beach, FL – As Department Director, initiated the Stormwater Utility Fee and developed the City's Stormwater Master Plan to identify and fund more than $4 million annually in operations, maintenance and capital projects. Improved the financial performance of the enterprise fund securing grants and financing to accelerate deferred capital projects and rates of collection via a non-ad valorem fee. Administered $10M in American Rescue Plan Act (ARPA) and Hazard Mitigation Grant Program (HMGP) funds to construct drainage improvements in three of the City's most flood prone areas: West Deerfield, Pioneer Grove Local Activity Center, and SE 8th Avenue.

Integrated Utilities Master Plan, Deerfield Beach, FL - Implemented the Integrated Utilities Master Plan for the City of Deerfield Beach and performed a rate adjustment study adopting 5-year rates to finance deferred, critical Water Plant and Utilities improvements to include injection and well rehabilitation, automatic meter installations, chlorine and ammonia conversions and updated programmable logic controllers. Initiated the design to decommission the City's lime softening treatment process to mitigate "Forever Chemicals" and participated in the PFAS Water Settlement to assist with its financing.

$33M Bond for City Facilities Replacement, Deerfield Beach, FL - Delivered major city buildings to include Braithwaite Center for Active Aging, Bezos Preschool, Johnny L. Tigner Center and West Community Center renovations. Replaced 9 lifeguard towers that exceeded their useful life with addition of a 10th tower. Oversaw design and construction of the International Fishing Pier renovations underway due to damages from Tropical Storm Nicole. Replaced the boat ramp dock at Pioneer Park and

Villages of Hillsboro Park with a more resilient design and better accessibility.

Broward County Surtax, Broward County, FL - Executed design for two major Broward County Surtax funded roadway initiatives to provide capacity at FAU Research Park Boulevard and create a destination for the City Center in Pioneer Grove/SE 2nd Avenue. Completed the construction for the replacement of the SE 13 Avenue Bridge and design for the future replacement of the SE 15 Avenue Bridge in the Cove Neighborhood.

13th Street, SW West End Target Area Improvements, Roanoke, VA - Designed streetscape improvements to include a lane reduction, stormwater improvements, street lighting, traffic signal replacement, landscaping and street furnishing. Delivered project expectations within a limited CDBG HUD grant. Inspected construction daily to direct field modifications as necessary for project completion.

Roanoke River Greenway Bridge the Gap, Roanoke, VA - Managed the design and construction of the remaining 2.5 miles of the Roanoke River Greenway within the City. Secured environmental permitting including JPAs, State Environmental Certification, and City review. Negotiated rights of way for land acquisition. Expended VDOT and Federal funds within budgetary timelines.

Amtrak Passenger Rail Platform, Roanoke, VA - Oversaw design and construction of a multi-plate liner to reinforce an aging brick culvert carrying the Trout Run streambed. Coordinated city improvements with Norfolk Southern, DRPT, and Amtrak for construction of the platform. Applied for Federal and State grants for a Passenger Station adjacent to the platform.

Turner Webb Intersection Improvements, Blacksburg, VA - Worked with the public and elected officials to improve a major pedestrian crossing between the Virginia Tech campus and Town limits in conjunction with preliminary bicycle and pedestrian master planning. Planned and designed traffic improvements with innovative design practices to include rapid flashing beacons. Managed Town construction crews to complete the project within a lean budget.

Inert Debris Site, Blacksburg, VA - Lobbied elected officials to permit a local construction debris site within Town limits to alleviate costs for dumping. Facilitated permitting process with Departments of Conservation and Environmental Quality and the Army Corps of Engineers to permit use of the site. Planned and designed the site with stormwater drainage improvements.

Institute for Critical Technology and Applied Science (ICTAS) II, Virginia Bioinformatics Institute (VBI) III, Ambler Johnston Renovations, and McComas Hall Additions at Virginia Tech, Blacksburg, VA - Prepared the Erosion and Sediment Control Plan for construction documents. Ran hydraulic models for storm sewer capacity. Selected appropriate Best Management Practices for stormwater quality and quantity. Facilitated approvals through Department of Conservation and Recreation.

Public Works Department, Highway Division, Plans Review and Design Section, Miami Dade, FL - Managed the design and preparation of construction documents for various roadway, bicycle and pedestrian facilities improvements and enhancements projects. Prepared contract documents to include technical specifications and front-end documents for bid readiness. Coordinated with government agencies and county departments associated with the review, development, and permitting of projects. Administered contracts for consultant engineering services including the processing of work orders and invoices.

Supplemental Architectural/Engineering (A/E) Services to the South Terminal Program, Miami International Airport, FL. - Expedited the processing and review of shop drawings, requests for information (RFI), and addenda. Maintained records of all construction generated clarifications, change orders, and as-built changes. Analyzed cost associated with Change Orders generated by RFI. Liaison to the A/E of record at weekly meetings with the Owner and Contractor to discuss progress on construction.

American Airlines North Terminal Development (AA NTD) Program, Miami International Airport, FL. - Reviewed and updated the original master plan document to represent the most up-to-date design for utilities serving the North Terminal. Engineered the design of the Concourses A-D infill apron and utilities and the temporary Eagle Remote Apron and Trailer. Proposed final locations for the passenger loading bridge foundations based on proposed

aircraft type. Located domestic and international trash compactors for the North Terminal and planned site including water service, stormwater run-off treatment, curb protection and guide rails, and overhead canopy for fire protection and telecommunications.

General Consultant Team to FDOT, District 4, Public Transportation Office, FL - Inspected state roadway corridors for mass transit facilities determining the specific requirements of each agency for ADA compliance, drainage, signage, visibility, lighting, and amenities. Made recommendations to improve services and created provisions for future modifications to roadways along existing and proposed bus routes.

Orlando A. Rubio, PE

Vice President - Engineering
Engineering Department

Mr. Rubio has over 38 years of experience in the engineering field with a primary focus in water resources engineering.

Mr. Rubio is responsible for the development of project scopes, stormwater master plans, Federal Grant applications, advanced stormwater modeling using ICPR, HEC-RAS & CHAN modeling software programs, construction plans of various surface water management systems in accordance with established criteria; engineering principles, and normal construction practices; development of environmental resources permit packages; and permit agency coordination. He conducts field and office visits with clients, permitting agency staff, and other project coordination as necessary. Mr. Rubio conducts plan and engineering reviews for compliance for municipal clients.

Areas of Expertise

- Project Management
- Hydrology/Hydraulics
- Computer Modeling
- Stormwater Master Plan
- Environmental Resource Permitting
- FEMA – Letter of Map Revisions
- FEMA Hazard Mitigation Grant Program
- FEMA Pre-Disaster Mitigation Competitive Grant Program
- FDEP – S319 Grant Program
- Estimating/Bidding Services
- Constructability Reviews
- NPDES

Education

- *(AA)*Miami-Dade College
- *(BSCE)* University of Florida
- University of Florida – HEC-RAS
- Broward County Supervising Series
- FDEP – Qualified Stormwater Management Inspector (#7638)
- University of Miami –Technical Professional Program
- University of Wisconsin – HEC & WSPRO
- CEU's – On going

Licensure

- Florida Licensed Professional Engineer - # PE48265

Employment with CAS: 25 yrs
Employment with other firms: 13 yrs

Selected Relative Experience:

City of Sweetwater Stormwater Improvements (Phase I, IIA, III, & IV) - Miami-Dade County, Florida. As Engineer of Record, designed and permitted stormwater improvements within an area of significant historical flooding concerns. Improvements included the design of stormwater gravity collection systems with 8 stormwater pumping stations designed by other CAS staff. Performed computer modeling for each phase. Provided construction engineering services as requested by the City's CEI firm.

City of Sweetwater Stormwater Improvements (Phase IIB) - Miami-Dade County, Florida. As Engineer of Record, designed and permitted stormwater improvements within an area of significant historical flooding concerns. Applied for and obtained grant funding for project via FEMA-PDMCG. Improvements included the design of stormwater gravity collection systems with 2 stormwater pumping stations designed by other CAS staff. Performed computer modeling for this phase. Will provide construction engineering services as requested by the City's CEI firm.

Sunshine Water Control District - West Outfall Canal Improvements – Phases 1B & 1C. As EOR, performed the hydraulic analysis, permitting, design, bidding, and construction management of the conceptual and initial phase. The West Outfall Canal is the primary conveyance canal for the SWCD's west basin serving 3,361-acres. The canal project will improve stormwater conveyance to Pump Station No. 2 by widening and deepening the existing canal. The canal improvements propose to remove 19,500 cubic yards of material of the entire canal to proposed bottom elevation. The channel modifications will allow the pump station to perform more efficiently. Phase I of the project will improve 2,900 linear feet of the overall 10,200 linear feet canal. The project also included public outreach

to individual homeowners to remove encroachments within the canal right-of-way.

City of Oakland Park NE 6th Avenue Stormwater Trunkline – Broward County, Florida. As Engineer of Record, performed hydrologic and hydraulic modeling, designed and permitted stormwater improvements within an area of significant historical flooding concerns. The Trunkline consisted of ½ mile 7' x 4' Reinforced Concrete Box Culvert within a City right-of-way of limited space and occupied with numerous utility conflicts. Obtained Provided construction management assistance to City staff and project certification. The trunkline project allowed for connections to existing and future lateral drainage connections of adjacent streets. FEMA FUNDED PROJECT.

Town of Golden Beach Capital Improvement Project Phase III & IV Stormwater Collection System - Miami-Dade County, Florida. As part of a Town Capital Improvement Project, stormwater improvements for Phases III and IV were designed and constructed to be consistent with the town's overall master plan. The project consisted of a stormwater master pumping station with submersible pumps, 14,500 linear feet of DIP drainage pipe and force main (ranging in size from 16" to 72"), 205 drainage structures and 7 outfalls. FEMA FUNDED PROJECT.

NE 174th Street Roadway Roadway Infrastructure Improvements – City of sunny Isles Beach, Florida The Roadway Improvements Project for NE 17 4th Street consisted of a reconstruction of both the drainage and the road for approximately 0.2 miles from Collins Avenue to North Bay Road. The existing roadway system was failing due to poor soil conditions, a limited drainage system and an undersized outfall. The new roadway incorporated a reconstructed base with geotech fabric to offset the soils. The design also included a new drainage system that met water quality requirements, site demolition, road regrading, utility relocations, sidewalks and paver walkways, landscaping, curbing, bike paths and parallel parking. The design was completed within two years under budget at a cost of $212,180. Construction of the project was completed in the Spring of 2017 with an estimated cost of $3,682,392.

City of Oakland Park NE 6th Avenue Stormwater Trunkline – Broward County, Florida. As Engineer of Record, performed hydrologic and hydraulic modeling, designed and permitted stormwater improvements within an area of significant historical flooding concerns. The Trunkline consisted of ½ mile 7' x 4' Reinforced Concrete Box Culvert within a City right-of-way of limited space and occupied with numerous utility conflicts. Obtained Provided construction management assistance to City staff and project certification. The trunkline project allowed for connections to existing and future lateral drainage connections of adjacent streets. FEMA FUNDED PROJECT.

Okeechobee County Southwest Drainage Improvements - Okeechobee County, Florida. As Engineer of Record, designed and permitted stormwater improvements in accordance with the CAS-developed master plan within an area of significant historical flooding concerns. Obtained FEMA HMGP funds for project. Provided construction management services and project certification.

Ranch Lakes Estates Stormwater Improvements (Phases I, II, & III) - Moore Haven, Florida. Design and permitting of stormwater improvements within an area of significant historical flooding concerns. Applied for and obtained grant funding for project via FEMA-HMGP. Improvements included stormwater gravity collection system and 2 stormwater pumping stations designed by other CAS staff.

City of Moore Haven - Avenue R Stormwater Improvements. As EOR, performed design and construction management and was completed within budget and on time in May of 2018. This phase of stormwater improvements involved the relocation of existing utilities and the installation of 1,200-LF of plastic swale liner (1/4 section of 12-inch ID smooth inner wall perforated black P.E. pipe), 350-LF of PVC culverts, ten (10) concrete headwalls, one (1) drainage structure, 4,000-SY of SOD and the regrading of 4,000-SY of swale. This project was funded ($400,000) using State grants secured with the help of CAS and CAS Governmental Services

Spring Lake Improvement District - Stormwater Treatment Area. As Engineer of Record (EOR), filed and obtained a conceptual permit for improvements from SFWMD, prepared a USDA funding application (FDEP 319 Grant) and assisted in obtaining state legislative appropriation. Per the Master Plan, a 70-acre Stormwater Treatment Area (STA) was designed and permitted. The STA consisted of two large wetland marshes divided by a stormwater pond with upland tree preserve areas and an access maintenance road. The total project cost was $3.3M. The project began in June 2015 and was completed in February 2017.

Areas of Expertise

- Project Management
- Cost Estimating
- Land Surveying – Design & Construction
- Water, Sewer & Gas Pipeline Design
- Sewer Pump Station Design
- Production Well Rehabilitation
- Permitting
- Bidding Services
- Construction Management
- Constructability Reviews
- Feasibility Studies

Education

- (BS Civil Engineering/Surveying) Ohio University

Affiliations

- American Society of Civil Engineers (ASCE)

Licensure

- Florida & Ohio Licensed Professional Engineer – # PE 90263

CAS Employment: 5 Yrs

Employment w/Others: 17 Yrs

Daniel E. Shonk, P.E., S.I.

Project Manager/Designer
Engineering Department/Survey Department

Mr. Shonk has over 22 years of experience in the fields of surveying and engineering design of numerous public and private sector utility and infrastructure projects for Utility Companies and the Department of Transportation. He retains extensive experience in the design of water, wastewater systems, master planning, gas pipelines, roadway/drainage, site design/development, production well rehabilitation, construction management and construction field inspection.

Selected Relative Experience:

Egret Wastewater Tri-Plex Lift Station Improvements – City of Hallandale Beach. This project consisted of the conversion of an existing triplex wet pit dry pit wastewater pump station to a triplex submersible lift station. The existing pump station was constructed in 1967 and consisted of three large centrifugal pumps with the largest pump being a 200 HP. The existing structure was converted into a submersible lift station with three 1,800 gpm submersible pumps. The rehabilitation included installing a new influent structure on the east side of the pump station in which the existing 30-inch diameter influent pipe will be exposed into a rectangular open channel type structure. The structure is approximately 20 deep where a mechanical sewage grinder rated at 2,500 gpm was installed on a rail system for easy installation and removal. The structure is enclosed with a concrete top slab with an aluminum hatch to access the mechanical grinder for service and/or removal. The project included electrical, control panel and emergency generator upgrades. The total design cost including construction management services is $426,222 and the construction cost was $3.5 million.

City of Hallandale Beach NE 7th Street Force Main Improvements – Hallandale Beach, FL: Providing project management during engineering design and construction management for the installation of approximately 3,900 linear feet of new 20" force main with all appurtenances along NE 7th Street due south and east of the Hollywood Dog Track in Hallandale Beach along with a 60-foot jack-and-bore under railroad tracks at the intersection of NE 7th Street and Dixie Highway.

Septic-to-Sewer Master Plan, Town of Pembroke Park, Florida. The scope of work included the creation of an Updated Wastewater System Master Plan to identify, document and evaluate the Town's existing wastewater management system. CAS will evaluate the existing force main network, identify existing lift stations (a total of 35) and line conditions, capacities and analyze future needs. The updated master plan will outline a systematic phased approach to achieve system reliability, capacity, increased efficiency and identify the infrastructure required to achieve these goals. Total fees for this project are $372,490.

Town of Pembroke Park Sanitary Sewer Master Plan- Town of Pembroke Park: Mr. Shonk prepared the Sanitary Sewer Master Plan for the Town of Pembroke Park. The Town's Sanitary Sewer System is mostly comprised of a collective of antiquated private sewer systems

incorporated into the town over the last 70 years. The system, which comprises of an area nearly a mile square has an array of shallow gravity sewer systems with over 40 lift stations which serve nearly that amount of Mobile Home Parks, Industrial Parks, and Storage Facilities. The town has a couple legacy septic tank areas within the service area which are targeted to be eliminated by the implementation of multiple septic to sewer projects. The Master Plan consisted of evaluating existing town wastewater system infrastructure, develop proposed projects to eliminate deficiencies, inefficiencies, and scope projects to address future growth and development. The proposed plan would consist of constructing new lift stations, new sanitary sewers, and force mains to collect and transfer sewage to the city of Hollywood treatment plant. The Master Plan evaluated the existing sewer allocation in the Large User Agreement between the Town and the City of Hollywood to ensure the town has compacity for forecasted growth indicated via census data and industrial growth projections. A fiscal schedule developed to complete the work which includes the fallowing variables: town priority, project scale, scope, design, cost and utility rates correlated with the current and future population and fiscal growth based on census data shall be implemented. The plan was reviewed by the town and due to complexity of the town infrastructure and ongoing development dynamic it is continually being updated. CAS is working with the town to scope and prepare grant applications for the project in the master Plan to be implemented into the Capital Improvement Plan and move project into design.

Hardee County Utilities Wastewater & Potable Water Improvements, Phase 8 – Hardee County, Florida.
The project consisted of the construction of a sanitary sewer & potable water system expansion, sewer & water services, and other appurtenances. CAS provided preliminary engineering, engineering design services, construction plans, project management, permits, bidding services, engineering services during construction and construction observation services during the construction phase of the project and project close-out services. The scope of work includes: The addition of approximately 6,200 feet of 8 inch diameter sanitary sewer mains, gravity sewer and manholes; and 9,700 feet of 10-Inch, 8-Inch, and 6-Inch watermains, and the abandonment and removal of existing septic tanks, conversion of all residences to the proposed sanitary sewer system via sewer laterals, a complete road replacement within the limits of construction in the road, and the restoration of driveway aprons and sod within the right-of-way. All water services were transferred from existing well to the Hardee County Water System.

Hardee County Utilities Wauchula Hills Sanitary Sewer Improvements: Phase 7 – Hardee County, FL: Providing project management for the engineering design and construction for the installation of approximately 3,915 linear feet of 8-inch gravity sanitary sewer and associated manholes, a duplex wastewater lift station with a 6-foot diameter by 16-foot deep wet well, 380 linear feet of 4-inch force main and 2,080 linear feet of 8-inch force main extending along US Route-17. The project includes abandonment and removal of existing septic tanks and connection of all residence to the new sanitary sewer collection system via sanitary sewer lateral installations. Restoration will entail complete road replacement within the construction limits along with restoration of driveway aprons and sod with right-of-way.

Ohio Department of Transportation District 5 – Roadway & Bridge Alignment, Lancaster, OH: Provided construction management skills to assist contractors to meet planned design, standard, scope, schedule, and budget.

City of Athens – Richland Avenue Corridor Lighting, Athens, OH: Conducted a topographic survey and created a digital terrain model of Richland Ave Corridor Lighting and Sidewalk Rehabilitation Project.

Northern Perry County Sewer & Water - Rehoboth Sewer Feasibility Study, Rehoboth, OH: Prepared a Feasibility Study to provide sanitary sewer for an unincorporated Village in the County. The study conducted compared cost effectiveness of the following options: gravity sewer collection and a small package treatment plant, gravity sewer collection and utilizing existing regional plant for treatment, forcemain system to a regional treatment plant, and a decentralized treatment and collection system.

Northern Perry County Sewer & Water - Thorn-Port Thornville Lift Station Rehabilitation and Sanitary Sewer Force Main, Thornville & Thornport (unincorporated), OH: Designed a force main and sanitary sewer lift station to be rehabilitated for transferring sewage to a treatment facility over two miles from the decommissioned treatment facility and nearly 100 feet higher in elevation while utilizing much of the same infrastructure.

Village of Pomeroy, Long Term Control Plan – Pomeroy, Ohio: Developed an Ohio EPA Long Term Control Plan to: locate and identify Combined Sewer Outfalls (CSOs) into the Ohio River and tributaries, mapped all sewer infrastructure in the city (sanitary, storm, and combined), and provided recommendations to eliminate CSOs and Combined Sewers.

Areas of Expertise

- Water & Sewer Utility Engineering
- Water Treatment Plant Design
- Wastewater Treatment Plant Design
- Hydraulic Computer Modeling
- Potable Water Wells
- Pipeline Design
- Pump Station Design
- Leachate Treatment
- Land Fill Design
- Construction Management
- Permitting
- Sludge Treatment & Disposal

Education

- Bachelor or Science – Civil Environmental Engineering, Roger Williams University

Affiliations

- American Society of Civil Engineers (ASCE)
- American Water Works Association (AWWA)
- Water Environment Federation (WEF)

Employment with CAS: 28 yrs
Employment with other firms: 20 yrs

Greg A. Giarratana

Senior Supervising Engineer
Engineering Department

Mr. Giarratana has 48 years of experience in the civil and environmental engineering fields, including water and wastewater treatment plant designs, permitting, construction management, certification, troubleshooting existing treatment systems, pump stations, sanitary sewer force mains, collection systems and potable water pipelines. Mr. Giarratana has worked in the consulting field specializing in all aspects of water and wastewater engineering since 1977 and has been working with CAS since 1998. Mr. Giarratana is responsible for managing civil and environmental projects including their initial planning, financing, designing, permitting, construction management and certification of completion.

Selected Relative Experience:

Glades County Wastewater Treatment Plant - Moore Haven, Florida. Design, permitting and construction management for the conversion of an extended aeration activated sludge wastewater treatment plant to an advanced tertiary membrane biological reactor (MBR) treatment plant including a man-made 52 acre wetlands disposal system.

Water Treatment Plant Expansion - City of Moore Haven, Florida. Ultrafiltration expansion and remote booster pump station, including a ground storage tank, re-chlorination and VFD controlled booster pumps. The system is controlled by a new SCADA system allowing plant control strategy via the internet.

Water Treatment Plant & 12 Miles of New Water Mains - Miccosukee Tribe of Indians, Florida. Design of a water treatment plant expansion including new potable water well pumps, degasifiers, carbon vessels, a new utility office/storage/high service pump station building, ground storage tank and 12 miles of water main construction at the reservation located in the Florida Everglades.

Water and Sewer Treatment Plants including Water Utility Headquarters Building - Wauchula Hills, Florida. Design, permitting and construction of a wastewater treatment plant and effluent re-use disposal system including off site sanitary sewer installation and six (6) sanitary sewer lift stations. The project included a potable water treatment plant, two (2) potable water wells, and a custom designed 9,000 sq. ft. Utility Department office building.

Lake Region Water Treatment Plant Raw Water & Potable Water Transmission System – Palm Beach County Water Utilities, Florida. Responsible for the design and permitting of 91,200 linear feet of potable water mains to connect the cities of Pahokee, Belle Glade and South Bay to the new Glades Utility Authority's (GUA's) regional water treatment plant. The project includes the design of the raw water piping to seven (7) well sites. The project allowed these three (3) cities to abandon and decommission their antiquated water treatment plants that were utilizing Lake Okeechobee as their water source.

Areas of Expertise

- Project Management
- Utility Planning and Needs Assessment
- Design Review
- Code Conformance & Enforcement
- Grant Application
- Grants Management
- Utility Operations
- Utility Coordination
- Sediment and Erosion Control
- Emergency Management

Education

- University of Tampa- BS in Chemistry and Marine Science
- University of Tennessee – Graduate School Chemistry
- Drinking Water Treatment Operations
- Wastewater Treatment Operation
- FEMA NIMS Training Level 100, 200, 300, 400,700,800.
- OSHA Training

Licensure

- Florida Licensed Water Treatment Plant Operator 5083A
- Florida Licensed Wastewater Treatment Plant Operator 6341B
- Level 1 and 2 Code Enforcement Certified
- Certified Advanced Erosion and Sediment Control Inspector

Employment with CAS: 6 yrs
Employment with other firms: 42 yrs

Todd V. Larson

Construction Manager/Senior Field Representative

Mr. Larson has 48 years of experience relating to public improvement projects & private development projects. Private development experience includes start to finish, Design Review Committee, development fee calculations, zoning & code plan review, site inspections & review of certifications by engineer of record. Mr. Larson's municipal project experience includes grant application, grant management, project management & project close out experience. He has worked on grant projects using enterprise funds, county parks, surtax & MPO grants, FDOT & FDEP grants, CDBG grants, FEMA disaster recovery, HMGP & PDMA grants & USDA Rural Development grants. He has extensive experience with Planning for current & future needs, vulnerabilities, & implementing plans to mitigate needs based on priorities & obtaining maximum improvement for each dollar spent.

Selected Relative Experience:

Craig A. Smith & Associates, Construction Manager/Senior Field Representative, Southeast Florida - Provided technical expertise for the data collection, analysis, & future project planning for the Town of Pembroke Park Wastewater Master Plan. Wrote the new Utility ordinance for Hardee County. Analyzed the Data & wrote the 5-year update to the City of Sebring's SFWMD Water Use Permit. Wrote grant applications for various cities in Dade & Broward Counties. Performed Utility, zoning, & Flood Plain plan reviews for the City of Oakland Park. Performed drainage, water, sewer & paving inspections for CAS projects in Dade, Broward, & Palm Beach Counties. Assisted with the City of Lauderhill water treatment plant needs assessment.

Town of Pembroke Park, Broward County, FL – Public Services Director Supervised the operations of the roads & streets, utilities department, building department, parks department, engineering, zoning & code enforcement departments. Performed plan reviews for engineering, zoning & general interests of the town. Served on the Development Review Committee. Supervised & performed inspections for utilities & zoning. Rate studies to determine impact fees, engineering fees, utility rates & made recommendations for changes in fees & codes to Town Commission. Served on the Town Code of Ordinance Review Committee. Prepared Capital Improvement Plan, recommended priority of projects based on Commission Priorities & applied for appropriate funding sources to fund improvements. Worked with Engineers to complete & adjust Master Plans for sewer & stormwater systems. Administered the grants, supervised the inspection staff & reviewed to ensure compliance with grant conditions.

Town of Pembroke Park, Broward County, FL–Director of Emergency Operations As Director of Emergency operations managed the Municipal Emergency Operations Center, applied for grant funding, administered reimbursement & mitigation assistance grants to upgrade Town Stormwater infrastructure to reduce future flood risks. Worked with Town Engineer on appeal of flood map & adjustments to flood hazard areas. Wrote the initial Vulnerability Assessment for all risks. Sat on board & assisted in writing Local Mitigation Strategy for Broward County.

Town of Pembroke Park, Broward County, FL- Public Works & Utilities Worked with the Town Engineer to develop & implement storm water & wastewater master plans. Worked to update master plan as systems were improved & additional needs were discovered. Reviewed plans to make sure improvements were only on public Rights of Way & prioritized projects based on life safety & getting the most improvement for each dollar spent. Applied for & obtained funding, administered grants & managed projects for compliance.

City of South Bay, Palm Beach County, FL – Utilities Director Operated & Managed Water & Wastewater Treatment Systems. Obtained grant funding, planned, managed, & implemented improvement projects to maintain compliance with existing & new regulations. Served as Chief Building Official & coordinated reviews & inspections. Coordinated Impact Fees & implemented utility rates to fund utility improvements necessary to maintain permit & bond compliance.

Albert J. Caruso, E.I.

Project Engineer
Engineering Department

Mr. Caruso has over 39 years of experience in the engineering design, permitting and construction management fields and is involved in the project from conception to completion.

Mr. Caruso is responsible for the development of due diligence/feasibility studies, Phase I Environmental Reports, preliminary engineering reports, and stormwater and utility master plans. Mr. Caruso is also responsible for the implementation of water, sewer, force main and stormwater projects from design to permitting with local, state and federal agencies to project management services during construction. He prepares funding applications for FEMA-PDMC, USDA, CDBG and FDEP grant programs. Mr. Caruso reviews projects for cost effectiveness and value engineering. He is also responsible for project coordination with clients, municipalities, contractors and permitting agencies to ensure that the project meets its financial goals and within the scheduled timeframe. Mr. Caruso prepares project cost estimates, budgets, bidding services, close-out packages and certifications.

Selected Relative Experience:

Design and Project Management for Town-Wide, Six Phase Stormwater Improvement Plan and Water Main Replacement – Town of Golden Beach, Florida. Responsible for the stormwater and water retrofit engineering design, Miami-Dade County DERM/HRS permitting and cost estimating. Also responsible for the project management of the stormwater and water main construction, implementation, and certifications.

Collins Avenue Sewer Force Main Project – Bal Harbour Village, Florida. Prepared Sewer Force Main Engineering Design, Miami-Dade County DERM permitting, estimating and bid documents. Participated as a member of the Project Management team during construction.

Stormwater and/or Utility Master Plan - Town of Golden Beach/Bal Harbour Village/Village of Biscayne Park/Town of Pembroke Park/City of Oakland Park/ City of Sweetwater, Florida. Responsible for the overall conceptual design of utility rehabilitation including utility undergrounding and improvements for the above-mentioned Municipalities. Also responsible for the information gathering, database preparation, preliminary cost estimating, prioritization of future projects, mapping and narratives.

Jacobson Site Plan - City of Belle Glade, Florida. Provided site plan traffic layout (on-site and off-site), conceptual engineering design for stormwater,

Areas of Expertise

- Project Management
- Utility Design
- Utility Calculations
- Permitting
- Construction Services
- Cost Estimates
- Feasibility Studies
- Utility Master Plans
- Stormwater Master Planning, Design, Implementation and Management
- Grant Applications
- FEMA Pre-Disaster Mitigation Competitive Grant Program
- Constructability Review
- Scheduling & Productivity
- Bid Services and Contract Documents
- Certifications/Closeouts
- Phase I Environmental Audits

Education

- Middlesex County College Edison, New Jersey Associates Degree - Engineering Technology 1978

Registration

- Engineering Intern - New Jersey

Employment with CAS: 29 yrs
Employment with other firms: 10 yrs

water and sewer improvements for a 65.8-acre redevelopment for an industrial zoned property. Developed a due diligence investigation for the project site addressing electrical, water use and utility availability, stormwater impacts, flood zone implications, and zoning and permitting requirements.

Robert D. Keener, P.S.M.

Vice President
Survey / Geomatics

Mr. Keener has 48 years of experience in the survey, engineering, and utility construction fields.

Mr. Keener has been employed with CAS since April of 1995. Mr. Keener began his career at CAS as a Project Surveyor, advancing to Senior Surveyor and Mapper In charge of surveying in a satellite office and advanced to Vice President in 2005. Mr. Keener will serve as Principal Surveyor for all surveys and will coordinate all survey activities with various disciplines as needed. All surveying pertaining to utility related services such as Radar Tomography, utility surface mapping, utility excavations, etc. will also be overseen and certified by Mr. Keener. He has previously performed plat reviews for municipal clients.

Mr. Keener holds a Florida Surveyors and Mappers License and is a member of the Florida Surveying and Mapping Society of Florida.

Selected Relative Experience:

Evergreen Cemetery Boundary & Topographic Survey – City of West Palm Beach, Florida. Mr. Keener served as Principal Surveyor for the Map of Boundary and Topographic Survey performed at the Evergreen Cemetery, a 9.62-acre site acquired by the City of West Palm Beach from the Evergreen Association in 1987. The survey documented existing conditions within and along the cemetery boundaries and supported 3D Radar Tomography (RT) and 2D Ground Penetrating Radar (GPR) services performed by Craig A. Smith & Associates Utility Locating Department. The subsurface scanning aimed to identify underground anomalies, voids, and/or evidence of unmarked burials where tombstones or grave markers were absent. The project began in November 2024 and was completed in January 2025. Total project cost was $92,020.

Seawall Pilot Specific Purpose Survey – City of West Palm Beach, Florida. Mr. Keener served as Principal Surveyor for the Specific Purpose Survey performed for the Seawall Pilot project. The survey included physically locating all visible, above-ground improvements from the waters' edge of the existing bulkhead to the east edge of pavement along South Flagler Street, within an area approximately 300 feet north of the Bristol Condominium and 1,425 feet between Avila Road and Pershing Way. Elevations were gathered at key points along the bulkhead, natural ground, and edge of pavement. Trees 4 inches or greater (at breast height) were located and identified by common name. Above-ground visible utilities were located and shown, along with buried utilities as marked by Craig A. Smith & Associates Utility Locating Department.

Areas of Expertise

- Land Surveying
- Boundary / Topo
- Control Surveys
- Utility Surveys
- 3D Radar Tomography
- GPS
- Platting
- Route Surveys
- Legal Descriptions
- Plat Reviews
- Laser Scanning
- Crew Supervision
- Technical Reviews
- Scheduling & Productivity

Education

- Associates of Art, Atlantic Community College
- CEU's – On going

Licensure

- Professional Surveyor & Mapper, Florida #LS4846

Affiliations

Florida Surveying and Mapping Society (FSMS)

Employment with CAS: 31 yrs
Employment with other firms: 17 yrs

Subsurface utility engineering included 2D ground penetrating radar and utility soft digs, with special attention to seawall tiebacks, drainage outfalls, and other subsurface components related to the bulkheads. Soundings were collected up to 25 feet seaward of the bulkheads. The project began in October 2024 and was completed in December 2024. Total project cost was $24,720.

595 Express Subsurface Utility Engineering and 3D Radar Tomography - Broward County, Florida. Mr. Keener Served as Principal Surveyor for the 3-Dimensional Subsurface Utility Engineering (3D SUE) project completed for the FDOT at the Interstate 595 reversible lanes project in Broward County, Florida. Mr. Keener oversaw the re-establishment of horizontal and vertical control, the mapping of utility surface markings and utility excavation holes, as well as Radar Tomography utilized in various areas along the entire route. Mr. Keener performed all quality control and quality assurance for the project.

Golden Beach Drive & Collins Avenue – Town of Golden Beach, Florida. Mr. Keener Served as Principal Surveyor for the route survey within the rights-of-ways of Golden Beach Drive, out to the three islands and along Collins Avenue (SR A1A) for drainage improvements due to major flooding issues; total roadway reconstruction, undergrounding of all utilities; water main replacement and miscellaneous surveys, as needed. Route spanned approximately three miles. Surveying also included all city parks and a beach pavilion.

Seacoast Utility Authority: Northlake Boulevard/US-1 Water & Sewer Force Main Replacement – Town of Jupiter, Florida. Mr. Keener Served as Principal Surveyor for Route survey along Northlake Boulevard and US-1 (approximately 2.8 miles), including identification of right-of-way, property lines, above ground improvements, utility easements, tree survey, cross sections, and subsurface utility engineering (utility locates). Mr. Keener performed quality control and quality assurance for the project.

WWTP Triplex Lift Station Rehabilitation – City of Margate, Florida. Mr. Keener Served as Principal Surveyor for the boundary, topographic survey and utility locates of existing buried utilities, including recovery of horizontal and vertical control relative to project datum as previously established.

Golden Beach Drive & Collins Avenue – Town of Golden Beach, Florida. Mr. Keener Served as Principal Surveyor for the route survey within the rights-of-ways of Golden Beach Drive, out to the three islands and along Collins Avenue (SR A1A) for drainage improvements due to major flooding issues; total roadway reconstruction, undergrounding of all utilities; water main replacement and miscellaneous surveys, as needed. Route spanned approximately three miles. Surveying also included all city parks and a beach pavilion.

Central Island Drainage Improvements – City of Sunny Isles Beach, Florida. Mr. Keener served as Principal Surveyor for the route survey including all above ground features within and extending ten feet beyond existing rights-of-ways and off-site surveying for proposed stormwater pumping stations and associated outfalls. Scope of work included 2D GPR utility locates within the project corridor for all streets between North Bay Road east to A-1-A (Collins Avenue) and 174th Street North to 183rd Street.

Curry Hammock State Park - Monroe County, Florida. As subconsultant to Cummins Cederberg, Mr. Keener served as Principal Surveyor for the route survey along the Overseas Highway (US Highway 1) in two areas for the design of box culvert/bridge upgrades to improve water flow. The survey included the locations of all visible improvements, above and below ground utilities, drainage structures as well as trees and landscaped areas to the edge of heavy vegetation and subsurface utility engineering (utility locates).

Bahia Honda State Park – Monroe County, Florida. As subconsultant to Cummins Cederberg, Mr. Keener served as Principal Surveyor for the Route survey along the entry road from the Overseas Highway (US Highway 1) to the park employee lodging area for the design of drainage improvements due to frequent flooding. The Survey included the locations of all visible improvements.

Town of Golden Beach Stormwater Improvements Phase III and IV – Golden Beach, Florida. Survey, utility locates, design consistent with Stormwater Master Plan, permitting, cost estimating, construction management and observation, survey for record drawings, testing, startup and certifications through project close-out for the construction of a stormwater submersible master pump station, 14,500 linear feet of drainage pipe and pressure main (16”-72” diameter), 205 drainage structures and 7 outfalls to provide drainage with **Hydrodynamic Separators (Downstream Defenders)** for water quality treatment and a **Tideflex Checkmate Valves** for tidal backflow prevention purposes.

City of Moore Haven Stormwater System Improvements, Moore Haven, Florida. Planning, survey, utility locates, design, permitting bidding assistance and construction management and inspection services for The Ranch Lakes Estates Improvements Project for the City of Moore Haven which consisted of the construction of a gravity stormwater drainage system along with two master stormwater pump stations including force mains and canal dredging. Construction included the installation of 7,103 linear feet of HDPE drainage pipe ranging in diameter from 15-inch to 48-inch, 1,044 linear feet of force main, 76 drainage structures and two duplex stormwater pump stations.

The Wave Modern Streetcar – Broward County, Florida. Mr. Keener served as Principal Surveyor for the project which consisted of a proposed electric circulator streetcar system in downtown Fort Lauderdale to act as a local transportation element for the redevelopment and revitalization of the south-eastern section of Broward County. The track corridor was divided into two phases of 1.7 miles each. CAS was contracted to perform complete survey and 3D radar tomography imaging for all existing subsurface utilities within the 3.4-mile future track corridor. CAS performed over 500,000 square feet of 3D RT, GPR and EM locating. Utility location and modeling began in February of 2014, and all phases of design were completed by December of 2014 for a total fee of $535,245.

Light Rail / Modern Streetcar Project – City of Miami Beach, Miami Dade County, Florida. Mr. Keener served as Principal Survey for the project where CAS was hired as a subconsultant to Kimley-Horn & Associates, Inc. to perform surveying, mapping and utility locating for a projected streetcar transit corridor for the City of Miami Beach. CAS performed a complete right-of-way survey which included all existing above ground/below ground utilities, trees, and landscaped areas for the two-phased project. The project included 4.5 miles of roadway on Alton Road, Washington Avenue, 5th Street, South Pointe Drive, Meridian Avenue, Dade Boulevard and Convention Center Drive. The survey and utility locates work for the project totaled $300,000. The project began in February 2016 and was completed in December of 2016.

Pavilion Lake Boardwalk Improvements – City of Belle Glade, Florida. Mr. Keener served as Principal Surveyor for the Map of Topographic Survey which included the location of the existing 700-foot +/- long wooden walkway along Pavilion Lake. Cross sections were taken at 100-foot intervals transversely from the back of the camp sites to approximate angle of repose in said lake. Utility locations within the camp sites were gathered and added to the survey. Mr. Keener performed all quality control/quality assurance for the project.

Indian Trail Improvement District – Palm Beach County, Florida. Mr. Keener serves as Principal Surveyor for miscellaneous projects performed for the Indian Trail Improvement District Engineering consultant. These projects vary from writing legal descriptions for new units of development, ingress/egress and drainage easements and utility easements, to providing record surveys for the ongoing district-wide culvert crossing replacement project. All surveying for the district is relative to the Florida State Plane Coordinate Grid System horizontally and North American Vertical Datum of 1988 (NAVD '88) vertically, which is checked by Mr. Keener for quality control/quality assurance.

Veteran's Memorial Park Improvements – City of Margate, Florida. Mr. Keener served as Principal Surveyor for the Map of Boundary and Topographic Survey for the engineering design of park improvements. This included an overall survey of all existing features such as parking, curbing, above ground utilities, etc. The park includes two boat ramps for access to the Pompano (C-14) canal. Mr. Keener performed all quality control/quality assurance for the project.

Center Island Stormwater Pump Station – Town of Golden Beach, Florida. Mr. Keener served as Principal Surveyor for the Map of Topographic Survey within the right of way of the strand lying west of Center Island Drive. The survey included all above ground, visible improvements, and utility surface marks within the corridor. Structure data was gathered such as rim, pipe type, size, materials, invert elevations, etc. Mr. Keener provided all quality control/quality assurance for the project.

Spring Lake Improvement District Stormwater Treatment Area – City of Sebring, Florida. Mr. Keener served as Principal Surveyor for the design of a 70-acre stormwater treatment area which consisted of two large wetland marshes divided by a stormwater pond with upland tree preserve areas and an access maintenance road. More specifically, a topographic survey included capturing all above-ground visible improvements and swales, berms, etc. around the perimeter of the site. Elevations were gathered on an approximately 200-foot grid on-site. The on-site lake was also located showing top of bank and edge of water, together with soundings taken in random

locations. Three areas were surveyed in detail for the design of future stormwater structures. Six cross sections were taken along Duane Palmer Blvd. from center line to approximately 25 feet on-site. Eight cross sections were surveyed along the north and east lines of the site from the top of the exterior berm to approximately 25 feet on-site.

Long Key State Park Shoreline Restoration – Monroe County, Florida. Mr. Keener served as Principal Surveyor for the surveying of approximately 4,900 LF of shoreline at Long Key State Park. Scope of services entailed a topographic/bathymetric survey which included mean high and mean ow water lines, extended waterward out to either 500 linear feet or wading depth., included beach profiles spaced approximately 200 feet along the beach.

FDOT District 4: 595 Express Lanes Widening Project - Subsurface Utility Engineering and 3D Radar Tomography - Broward County, Florida. Mr. Keener Served as Principal Surveyor for the 3-Dimensional Subsurface Utility Engineering (3D SUE) project completed for the FDOT at the Interstate 595 reversible lanes project in Broward County, Florida. Mr. Keener oversaw the re-establishment of horizontal and vertical control, the mapping of utility surface markings and utility excavation holes, as well as Radar Tomography utilized in various areas along the entire route. Mr. Keener performed all quality control and quality assurance for the project.

Lindell Boulevard Roadway & Drainage Improvements – Delray Beach, Florida. Mr. Keener Served as Principal Surveyor performed survey and subsurface utility engineering as a subconsultant to Kimley-Horn & Associates, Inc. for the City of Delray Beach. The project was divided into two segments. Segment 1 consisted of Lindell Blvd from the west side of the FEC Railroad right-of-way (ROW) north to Curlew Road and Segment 2 ran from Curlew Road north to SW 10th Avenue and then east to Linton Blvd. The scope of work included a specific purpose survey for the entire corridor including easements and a title search as needed to complete ROW mapping and resolve discrepancies. cross-sections were conducted at 50-foot intervals and at the center of each driveway along with planimetric data for all surface features. The survey extended 5 feet beyond the ROW, 10 feet beyond the ROW at driveways, 50 feet beyond all returns at intersections and 100 feet beyond each round-about. In addition, visible drainage structures were located and top, bottom and pipe invert with direction and size were captured. Also trees 4" in caliper or great were shown on the base map (tree survey). Subsurface utility engineering included soft digs at seventy-five (75) designated locations to verify depths, sizes, and materials of conflicting buried utilities. Mr. Keener was responsible for right-of-way calculations, baseline alignments, establishing subdivision property lines, identified existing easements, reviewed title searches, reviewed soft dig reports (supplemental mapping), oversaw the incorporation of utility locates surface markings to the survey base map, provided overall project supervision and coordination, quality assurance/quality control and survey base map certification.

Germantown Road Improvements - City of Delray Beach, Florida. Mr. Keener Served as Principal Surveyor performed survey and subsurface utility engineering as a subconsultant to Propel Engineering, Inc. for the City of Delray Beach. The project limits were along Germantown Road from Old Germantown Road to South Congress Avenue for approximately 1.4 miles. The scope of work included a specific purpose survey for the entire corridor including easements and a title search as needed to complete ROW mapping and parcel descriptions. Existing ground surface (DTM) of provided survey with feature lines and COGO points (cad and xml) were included. Tasks also included title search analysis and determination of parent tracts and existing easements for properties determined to be impacted by any proposed right-of-way acquisition. The specific purpose survey included cross-sections taken at 50-foot intervals and at the center of each driveway along with planimetric data for all surface features. The survey extended 10 feet beyond the ROW, 10 feet beyond the ROW at driveways, 50 feet beyond all returns at intersections. In addition, visible drainage structures were located and top, bottom and pipe invert with direction and size were captured.

Quay Island Shoreline Stabilization – Miami-Dade County, Florida. Mr. Keener served as Principal Surveyor for the surveying of approximately 300 LF along the southwest shore of Quay Island. Scope of services included cross-sections transecting the shoreline at approximately fifty (50) foot intervals from the wading depth of the Bay landward to ten (10) feet landward of the visible.

City of Belle Glade: City-Wide Stormwater Master Plan – Belle Glade, Florida. Provided a Topographic Survey for master planning purposes for the urbanized area of the city encompassing approximately 2.42 square miles and an additional rectangular urban area to the northeast encompassing approximately 0.25 square miles. A map of the City of Belle Glade was obtained showing approximate property boundaries, rights of ways and waterways which was used as the underlying reference for topographic survey data collected. A drone with global positioning

capabilities was utilized to collect data in the horizontal and vertical planes. A total of approximately 75 aerial targets (control points) were set allowing for QA/QC reference and orientation to accomplish a targeted accuracy of 0.1 to 0.2 feet (+/-), both horizontally and vertically. The control points were relative to the North American Datum of 1983 (NAD 83) with the 2011 adjustment, horizontally, and the North American Vertical Datum of 1988 (NAVD 88), vertically. Collected survey data was processed and sent to CAS CADD Department for further processing through CAS Survey's 3D software and including to the over all basemap.

City of Dania Beach SE 2nd Avenue and SE 7th Street Water Main Replacement – City of Dania Beach, Florida. Mr. Keener Served as Principal Surveyor for the construction of the water main replacement project The scope for the project included computation base sheets which encompassed computing overall site geometry for purposes of providing surveying control and for determining final locations of water main improvements. Services also included staking alignment at 50 foot intervals where CAS provided nail and tin tab / hub and tack at a ten (10) foot offsets to the proposed water main at approximate 50-foot intervals; Staking and grading of hydrants where CAS provided lath at centerline and set two graded offset laths. Services also included staking locations of valves, tees and plugs and as-built record survey of water system where CAS provided drawings indicating measured data of the constructed water system. All fittings, conflicts, vertical deflections, etc. were shown based on CAS field measurements showing measure downs, pipe separations, and pipe cover. Mr. Keener performed quality control and quality assurance for the project.

City of Ft. Lauderdale Water Distribution System Mapping Update– City of Ft. Lauderdale, Florida. Mr. Keener Served as Principal Surveyor and oversaw the surveying and subsurface utility engineering for the water utility system mapping updates delineated within the CA Smith Zone located within the City's northeast service area. The project area contained approximately 168,960 linear feet or 32 miles of existing 8" water pipelines. The scope of work included 2D ground penetrating radar of the existing water mains within the prescribed right-of-way corridor including identify/verifying location of existing isolation valves, air-release valves, fire hydrants, etc. and approximately 12,000 associated water meters. Survey physically located the utility surface marks for existing water mains provided by the CAS Utility Locates Department and above ground valves, fire hydrants, air release valves, etc. relative to the defined scope. Missing and/or unknown pipes based on the GIS data supplied by the client was mapped as applicable.

City of Lake Worth Beach, Lake Osborne Estates Water Main Replacement Project – Phase I, City of Lake Worth Beach, Florida. Mr. Keener Served as Principal Surveyor for the engineering design of the Phase 1 improvements which included the installation of 16,400 linear feet of new 6" to 8" PVC water main serving 228 homes in the Lake Osborne Estate residential area. The new water main replaced existing asbestos cement pipe (ACP) and also improved fire protection and pressures to the neighborhood residences. Work also included the abandonment of existing ACP water mains and the relocation of meters and services from the rear of the residential lots to the front of the lots. Two (2) 40-foot 8-inch HDPE horizontal directional drills were performed under High Ridge Road, which was newly paved, to avoid pavement impacts during installation. A map of specific survey was prepared for engineering design which included physically locating all above ground visible improvements and buried utilities within the existing right-of-way. More than twenty (20) utility test holes were performed at pertinent locations to verify buried utilities and potential conflicts. Information from Test Hole reports was incorporated into the survey base maps. Rims, pipe inverts, size, and material information were shown at all drainage structures. A baseline was established and cross sections taken at every 100 feet. All elevations were shown relative to the North American Vertical Datum of 1988. Trees 3" or greater in diameter within the corridor were located and shown by common name with caliper size at average breast height. In addition, all existing water meter locations were surveyed and shown.

City of Ft. Lauderdale, Design-Build Force Main By-Pass Line Installation – City of Ft. Lauderdale, Florida. Mr. Keener Served as Principal Surveyor and oversaw the surveying and subsurface utility engineering (SUE) within an approximate 3.2-mile corridor for the design-build installation of a force main bypass line. The corridor included SE 10th Ave. from SE 18th St. to SE 12th St.; SE 9th St. from SE 12th St. to SE 2nd Ct.; SE 2nd Ct. from SE 9th St to SE 10th St. and across the Himmarshee Canal; NE 11th Ave.; and NE 6th St. east to NE 15th St. and north to Sunrise Blvd. A specific purpose survey was conducted within the right-of-way identifying all above grade utilities and

improvements of each corridor utilizing 2D ground penetrating radar, electromagnetic designating, and vacuum soft digs to locate all existing buried utilities.

City of Boynton Beach, City-Wide Force Main Valve Installation Project, City of Boynton Beach, Florida. Mr. Keener Served as Principal Surveyor and oversaw the surveying and subsurface utility engineering for this project. The scope of work included survey and utility locations in eight (8) areas along N. Congress Ave. and W. Ocean Drive for the design of valves on existing force amin trunklines. Survey provided base maps for each area showing limited topographic features, utility locates, mark ups and soft dig information as required by the client.

Central Solid Waste Transfer Station, Miami, Florida. Mr. Keener served as Principal Surveyor to prepare a map of specific survey for two (2) sections (50' x 60') sections of the "tipping floor" within the Central Transfer Station. Elevations were gathered on an approximate 5' x 5' grid relative to the vertical datum provided on the plan. On-site survey performed and a map of the data collected were produced in AUTOCAD format.

Broward County Landfill Surveying Services - Broward County, Florida. Mr. Keener served as Principal Surveyor for the surveying services for one of the cells at the Broward County Landfill for closure which entailed, staking and grade liner subgrade, staking of the liner edge for alignment, staking the liner finished grade including as-builts of the subgrade and top liner.

David Lookabill

Survey Coordination Manager
Survey/Geomatics Department

Mr. Lookabill has 42 years of experience in the survey, engineering and utility construction fields.

Areas of Expertise

- Land Surveying
- Boundary / Topo
- Lot Surveys
- Control Surveys
- Utility Surveys
- 3D Radar Tomography
- GPS
- Route Surveys
- Crew Supervision
- Construction Layout
- Quantity Surveys and Calculations
- Utility Coordination
- Directional Drills

Education

- MSI, Port Saint Lucie, Florida – 2011, A.S.
- Indian River Community College, Stuart, Florida – 2006, Survey Law
- Davidson County Community College, Lexington, NC – 1997, AutoCAD 1 & 2
- Guilford Technical Community College, Jamestown, NC – 1988, Civil Drafting and Civil Engineering CAD/CADD

Employment with CAS: 12 yrs
Employment with other firms: 30 yrs

Mr. Lookabill began his surveying career as a Rod Man quickly advancing to Survey Crew Leader and Survey Coordination Manager. He has varied experience in many facets of surveying. He also has vast experience in utility construction such as directional drilling and fuel pipe line staking and as builts performed across the United States. Mr. Lookabill has been employed by CAS since 2014 as a Survey Crew Leader and promoted to Survey Coordination Manager.

Responsibilities include field management, client field coordination, survey crew management and quality control in the field.

Selected Relative Experience:

Miami-Dade Water and Sewer Department Force Main 604 Replacement, Miami-Dade County, Florida. Surveying within the Rights of Ways of NW SW 113th Place and SW 224th Street east to SW 109th Avenue for sewer force main replacement within heavily populated area. Primary and secondary horizontal control points were established utilizing RTK GPS methods. Vertical control was established by a differential level loop based on Miami-Dade County Benchmarks. Route spanned approximately ¾ miles.

Florida Highway 92 Improvements, Lakeland, Florida. Survey for engineering re-design along Highway 92 from North Galloway Road to North Wabash Avenue. Primary and secondary horizontal and vertical control points were established by "leap frogging" multiple base stations 1.5 to 2 hour sessions and then processed through the OPUS software routine. Boundary monumentation was located by (4) 1-minute observations done in pairs at intervals of at least 3 hours.

Interstate 95 Improvements, Palm Beach County, Florida. Survey for engineering re-design along Interstate 95 in Palm Beach County from Indiantown Road to PGA Boulevard. Primary and secondary horizontal and vertical control points were established by "leap frogging" multiple base stations 1.5 to 2 hour sessions and then processed through the OPUS software routine. Boundary monumentation was located by (4) 1-minute observations done in pairs at intervals of at least 3 hours.

FDOT Weight Station, Martin County, Florida. Survey for construction staking along Interstate 95 in Martin County, Florida, north of Indiantown Road. Horizontal and vertical control points were established by the design survey company contracted by the FDOT and confirmed in the field

by tying to local NGS and FDOT monumentation for the purposes of construction layout. Laid out roads, ramps, tapers, swales, ditches, etc.

SFWMD Benchmark Recovery, Clewiston, Florida. Project to establish or re-establish vertical control from Clewiston, Florida to the Big Cypress Indian Reservation. First order bench loops were run utilizing differential digital leveling through benchmarks as researched and either verified or re-set. NGS monumentation was utilized for the project.

Curry Hammock State Park - Monroe County, Florida. As subconsultant to Cummins Cederberg, Mr. Keener served as Principal Surveyor for the route survey along the Overseas Highway (US Highway 1) in two areas for the design of box culvert/bridge upgrades to improve water flow. The survey included the locations of all visible improvements, above and below ground utilities, drainage structures as well as trees and landscaped areas to the edge of heavy vegetation and subsurface utility engineering (utility locates).

Bahia Honda State Park – Monroe County, Florida. As subconsultant to Cummins Cederberg, Mr. Keener served as Principal Surveyor for the Route survey along the entry road from the Overseas Highway (US Highway 1) to the park employee lodging area for the design of drainage improvements due to frequent flooding. The Survey included the locations of all visible improvements

Miami-Dade Water and Sewer Department Force Main 604 Replacement, Miami-Dade County, Florida. Surveying within the Rights of Ways of NW SW 113th Place and SW 224th Street east to SW 109th Avenue for sewer force main replacement within heavily populated area. Primary and secondary horizontal control points were established utilizing RTK GPS methods. Vertical control was established by a differential level loop based on Miami-Dade County Benchmarks. Route spanned approximately ¾ miles.

Florida Highway 92 Improvements, Lakeland, Florida. Survey for engineering re-design along Highway 92 from North Galloway Road to North Wabash Avenue. Primary and secondary horizontal and vertical control points were established by “leap frogging” multiple base stations 1.5 to 2 hour sessions and then processed through the OPUS software routine. Boundary monumentation was located by (4) 1-minute observations done in pairs at intervals of at least 3 hours.

Areas of Expertise

- 3D Radar Tomography
- Subsurface Utility Engineering
- Utility Locating
- Ground Penetrating Radar
- Utility Coordination
- Project Logistics
- Complex Field Survey
- Quality Assurance

Education

- Broward Community College
- US Army
- Route Surveying
- Survey & Engineering
- MOT Training
- OSHA Training
- OQ Training

Certifications

- Certified Utility Locator
- Certified GPR Technician
- OQ Training Certification

Affiliations

- National Utility Locating Contractors Association (NULCA)

Employment with CAS: 32 yrs
Employment with other firms: 3 yrs

James F. Driscoll

Vice President of
Subsurface Utility Engineering

Mr. Driscoll has over 35 years of experience in engineering, survey and utility location fields.

Mr. Driscoll has performed over 6,000 G.P.R. surveys and over 12,000 miles of utility surface designating throughout the United States. Additionally, Mr. Driscoll has performed more than five million square feet of 3D Radar Tomography scanning projects at various locations throughout the United States. He is proficient with state-of-the-art, traditional, and GPS surveying equipment and is substantially proficient with EM designating equipment, vacuum excavation equipment and various GPR systems with special emphasis on 3D Radar Tomography systems. He also provides assistance in the performance of electronic designating, layout, and completion of vital soft dig information for vacuum excavation projects. And serves as Division Vice President, Training Manager and QC Auditor.

Selected Relative Experience:

City of Hollywood, Utility Location and Ticket Management Services – Hollywood, Florida Mr. Driscoll serves as the field manager and coordinator overseeing One Call Locates and Ticket Management for the City of Hollywood for all water and sewer locates. He is responsible for ticket management and day-to-day coordination to ensure timely and accurate utility location services throughout the municipality.

City of West Palm Beach, General Subsurface Utility Engineering – West Palm Beach, Florida. Mr. Driscoll serves as the field manager and coordinator overseeing One Call Locates and Ticket Management for the City of West Palm Beach. CAS is currently contracted to perform complete subsurface utility services of the City's existing water, sanitary sewer, and drainage infrastructure. Currently, Mr. Driscoll oversees ticket management of approximately 20,000 locate tickets annually.

City of Tamarac, Utility Location and Ticket Management Services – Tamarac, Florida Mr. Driscoll serves as the field manager and coordinator overseeing One Call Locates and Ticket Management for the City of Tamarac for all water and sewer locates. Mr. Driscoll oversees ticket management and day-to-day coordination for the city.

City of Oakland Park, Utility Location and Ticket Management Services – Oakland Park, Florida, Mr. Driscoll serves as the field manager and coordinator overseeing One Call Locates and Ticket Management for the City of Oakland Park for all water and sewer locates. Mr. Driscoll oversees ticket management and day-to-day coordination for the city.

City of Lauderhill, Utility Location and Ticket Management Services, Lauderhill, Florida. Mr. Driscoll serves as the field manager and coordinator overseeing One Call Locates and Ticket Management for the City of

Lauderhill for all water and sewer locates. Mr. Driscoll oversees ticket management and day-to-day coordination for the city.

City of Delray Beach, Utility Location and Ticket Management Services, Lauderhill, Florida. Mr. Driscoll serves as the field manager and coordinator overseeing One Call Locates and Ticket Management for the City of Delray Beach for all water and sewer locates. Mr. Driscoll oversees ticket management and day-to-day coordination for the city.

City of Margate, Utility Location and Ticket Management Services - Margate, Florida. Mr. Driscoll serves as the field manager and coordinator overseeing One Call Locates and Ticket Management for the City of Margate for all water and sewer locates. Mr. Driscoll oversees ticket management and day-to-day coordination for the city.

City of Coconut Creek, Utility Location and Ticket Management Services Coconut Creek, Florida. Mr. Driscoll serves as the field manager and coordinator overseeing One Call Locates and Ticket Management for the City of Coconut Creek. The contract includes performing complete subsurface utility services for undergrounding of power, communication and telecommunication lines on the west right-of-way of Lyons Road from Hilton Road north to the Sawgrass Expressway.

Palm Beach County Water Utilities, Utility Location and Ticket Management Services, Palm Beach County, Florida. Mr. Driscoll serves as the field manager and coordinator overseeing One Call Locates and Ticket Management for the county for all water and sewer locates. Mr. Driscoll oversees ticket management and day-to-day coordination for the County.

FDOT District 4, Interstate 595 Roadway Reconstruction, Broward County, Florida. Mr. Driscoll served as coordinator overseeing the performance of subsurface utility engineering services enhanced with 3D Radar Tomography in advance of construction activities. The $1.62 billion dollar design/build project included the expansion and reconstruction of the Interstate 595 corridor to include reversible express lanes, braided entry and exit ramps, improved interchanges, overhead message signage and tolling facilities, CCTV systems and enhanced signalization. CAS performed over one million square feet of 3D RT, GPR, EM locating and 750 vacuum excavation soft digs to assist in identifying potential conflicts between existing subsurface systems and numerous proposed bridge, column and sign foundations.

Town of Pembroke Pines, Utility Location and Ticket Management Services – Pembroke Pines, Florida. Mr. Driscoll serves as coordinator overseeing One Call Locates and Ticket Management for town-owned utilities. The contract includes performing complete utility subsurface locates for the water, sewer, fiber optic/communications, street lighting and water/wastewater treatment plant utilities for the 33 square mile municipality.

Town of Davie, Utility Location and Ticket Management Services – Davie, Florida. Mr. Driscoll serves as coordinator overseeing One Call Locates and Ticket Management for town-owned utilities. CAS is currently contracted with the Town of Davie, located in south Broward County, to perform complete subsurface utility services of the town's existing water, sanitary sewer, force main, reclaim water and street lighting infrastructure for the 35.7 square mile municipality. CAS also provides the Town with project specific locates and soft dig information on an as-need basis.

Palm Beach County Engineering, Northlake Boulevard Intersection Traffic Signal Improvements, Palm Beach County, Florida. Mr. Driscoll served as coordinator overseeing the performance of soft digs at thirty (30) designated locations, including 2D ground penetrating radar to verify depths, sizes and materials of conflicting buried utilities for the design of traffic signal improvements at four intersections along Northlake Boulevard from Coconut Boulevard to Hall Boulevard.

City of Boynton Beach, City-Wide Force Main Installation Project – Boynton Beach, Florida. Mr. Driscoll served as coordinator overseeing the performance of thirty (30) soft digs and 2D ground penetrating radar scanning as a subconsultant to Carollo Engineers, Inc. for the City of Boynton Beach Utilities Department. The scope of work included utility locations in eight (8) areas along N. Congress Ave. and W. Ocean Drive for the design of valves on existing trunkline force mains.

Areas of Expertise

- Subsurface Utility Engineering
- Utility Locating
- Ground Penetrating Radar
- 3D Radar Tomography
- Utility Coordination
- Utility Construction

Education

- Staking U
- Mala GPR Tech
- EM Theory & Application
- MOT Training
- OSHA Training
- Confined Space Entry

Affiliations

- National Utility Locating Contractors Association (NULCA)

Employment with CAS: 17 yrs
Employment with other firms: 8 yrs

Alan Lopez

SUE Manager
SUE / Utility Locates

Mr. Lopez has 25 years of experience in the utility locating, SUE, survey and utility construction fields.

Mr. Lopez has been employed with CAS since February 2004, starting as a soft dig crew member, and through experience, advanced from utility locator to Senior Locator and Field/SUE Manager overseeing all locating field operations. Mr. Lopez has performed or overseen in excess of 5,000 vacuum soft digs, as well as thousands of ground penetrating radar surveys and utility mapping efforts.

Mr. Lopez is a Certified Underground Utility Locator and GPR Technician. Mr. Lopez is also MOT certified, confined space entry certified and OSHA 10hr Certified.

Selected Relative Experience:

City of Hollywood, Utility Location and Ticket Management Services – Hollywood, Florida Mr. Lopez has served as Field Manager overseeing One Call Locates and ticket management for the City of Hollywood. Responsibilities include managing locate tickets, coordinating day-to-day operations, and ensuring accurate utility location services for water, sewer, and related infrastructure throughout the municipality.

Palm Beach County Utility Location and Ticket Management Services – Palm Beach, Florida. Mr. Lopez has served as Field Manager for the Palm Beach County Sunshine One Call contract since 2022. Currently Mr. Lopez oversees ticket management and day-to-day coordination for the County.

City of West Palm Beach Public Utilities, Utility Location and Ticket Management Services - City of West Palm Beach, Florida. Mr. Lopez has served as a utility locator, Senior Locator and Field Manager overseeing One Call Locates and ticket management for the City of West Palm Beach.

Town of Davie Public Utilities, Utility Location and Ticket Management Services - Town of Davie, Florida. Mr. Lopez has served as utility locator and Field/Client Manager for this sprawling utility system. Davie is the largest municipality in Broward County by land area and serves a significant population. Facilities include water, sewer, reclaim, raw water and effluent pipelines. Currently Mr. Lopez oversees ticket management and day-to-day coordination for the Town of Davie.

City of Coconut Creek Utility Location and Ticket Management Services – Coconut Creek, Florida. Mr. Lopez has served as Field Manager for this large city-owned utility system since 2003. Facilities include water, sewer, reclaim, and city owned networked communications. Currently Mr. Lopez oversees ticket management and day-to-day coordination for the City of Coconut Creek.

City of Pembroke Pines – Pembroke Pines, Florida - Mr. Lopez has served as a Utility Locator, Senior Locator and Field Manager overseeing One Call Locates and ticket management for the City of Pembroke Pines.

Town of Jupiter Utility Location and Ticket Management Services – Jupiter, Florida. Mr. Lopez served as Field Manager for the Town of Jupiter Sunshine One Call contract. Mr. Lopez oversaw ticket management and day-to-day coordination for the Town within the entire contract period

RADISE INTERNATIONAL

Jamshid Sajadi, Ph.D, P.E.
RADISE International, LC
Lead Geotechnical Engineer

Mr. Sajadi has over 37 years of experience in geotechnical and materials engineering and construction materials testing. His geotechnical engineering experience includes the design of shallow and deep foundation systems, retaining walls, flexible and rigid pavement systems, dam and levee embankment design and construction, sheet pile walls design and construction, soil-Bentonite Slurry/Bentonite cement cut-off walls design and construction, seepage analysis, field pump test, and dewatering systems.

In addition to his geotechnical design experience, Mr. Sajadi has extensive materials engineering, testing and inspection experience involving rigid and flexible roadway and bridge construction. During the past twenty-four years of his professional career in Florida, he has managed numerous geotechnical engineering and materials testing projects for the Florida Department of Transportation, South Florida Water Management District, Broward, Palm Beach, and Miami-Dade Counties, City of Fort Lauderdale, Miami, and West Palm Beach

PROFESSIONAL REGISTRATION AND CERTIFICATIONS:

- Registered Professional Engineer, Florida #55756, 2000 Michigan, #40492, 1994 Ohio, #56404, 1992 Pennsylvania, #52240
- Member American Society of Civil Engineers (ASCE)
- Member Florida Engineering Society (FES)
- Tau Beta Pi & Chi Epsilon Engineering Honorary Societies

EDUCATION

- Ph.D. in Civil Engineering (Geotechnical), West Virginia University, 1987
- MS, Civil/Geotechnical Engineering, West Virginia University, 1982
- B.S, Civil Engineering, West Virginia University, 1980

CAPABILITIES

- Geotechnical Engineering
- Site explorations and investigations
- Lab and In-situ testing
- Construction Inspection
- Water Control Structure
- Dewatering knowledge
- Groundwater Monitoring Systems Design
- Marine & Offshore Soil Investigation

REPRESENTATIVE EXPERIENCE

I**-95 (I-95 Mobility Project), Broward and Palm Beach Counties, Florida, FL.** Managed Engineering Services and Evaluation along with Foundation System and Retaining Structures Analyses and Installation for Widening Including Bridges, Roadways, Interchanges, Mechanically Stabilized Earth Walls, Noise Barrier walls, and Mast Arm Foundations. Managed and supervised the installation of drilled shafts and driven piles.

PD & E Study, Eller Drive at Port of Everglades, Broward County, Florida, FL. Lead Geotechnical Engineer – Managed Subsurface Exploration and Performed Foundation Evaluation Including Three Bridges, Roadways, Interchanges, and Mechanically Stabilized Walls.

S.R. 824 (Las Olas Boulevard) Widening, Ft. Lauderdale, Broward County, Florida, FL. Geotechnical Engineer –-Managed subsurface exploration and provided foundation design recommendations for this Florida Department of Transportation project which involved 5 bridges (over Coconut Isle, Siesta Way, Royal Palm Drive, Isle of Venice and Nurmi Drive). Managed and supervised the installation of drilled shafts and driven piles.

Foundation Stabilization of State Road 60, Martin County, Florida, FL. Lead Geotechnical Engineer –– Managed and Supervised Engineering Services and Geotechnical Evaluation, Including Design of Preloading Surcharge Embankment and Relevant Instrumentation.

I-95 at Royal Pal, Palm Beach County, Florida, **FL.** Geotechnical Engineer –– Evaluated the cause of Settlement/Washout behind the Culvert Bridge.

I-95 Mobility 2000 Project, Palm Beach County, Florida, FL. Geotechnical Engineer –– Managed and Supervised the Installation of Drilled Shafts and Driven Piles.

Sawgrass Expressway, Broward County, Florida, FL. Geotechnical Engineer–– Managed and Supervised the Installation of Auger-Cast Pile for the Construction of the Noise Barrier Walls.

Saw Grass Expressway near the Lyon Road, Broward County, Florida, FL. Geotechnical Engineer–– Supervised the Remediation of the Sinkhole.

Eller Drive PD&E Study, Broward County, Florida, FL. Geotechnical Engineer–– Managed subsurface exploration and provided geotechnical engineering analysis for 3 bridges, 10 mast arm poles, ramps and roadways.

Florida Turnpike/Becker Road Interchange, Martin and St. Lucie Counties, Florida, FL. Lead Geotechnical Engineer –– Managed subsurface exploration and provided geotechnical engineering analysis for 2 bridges, roadways, 4 mast arm poles, 3 toll Slazas and Stormwater drainage facilities.

I-95 from the Hillsboro Canal to Palmetto Park Road, Palm Beach County, Florida, **FL**. Lead Geotechnical Engineer –– Managed subsurface exploration and provided geotechnical engineering analysis for noise barrier walls.

I-95 from 45th Street to Blue Heron Boulevard, Palm Beach County, Florida FL. Lead Geotechnical Engineer –– Managed subsurface exploration and provided geotechnical engineering analysis for 3 bridges, 12 mast arm poles and the design of a retention system consisting of soldier pile and lagging.

S.R. 60 Widening, Indian River County, Florida, FL. Lead Geotechnical Engineer –– Provided Surcharge Embankment Design, Including Embankment Design and Construction, Slope Stability, Seepage Analysis, and Monitored the Performance of geotechnical instrumentation.

RADISE INTERNATIONAL

Nitesh Goli, P.E. PMP
RADISE International, L.C.
Geotechnical Engineer

Mr. Nitesh Goli has over 8 years of experience in providing inspections, geotechnical engineering services for water resources, transportation and commercial building projects. He is skilled in providing soils borehole logging, pre and post construction surveys, vibration monitoring and visual classifications (ASTM D2488).

He is experienced in analyzing geotechnical data, performing the appropriate field site inspections and monitoring, calculations and preparing geotechnical and technical reports. He has also managed, supervised and met with contractors on site, and advised on civil engineering issues.

PROFESSIONAL REGISTRATION AND CERTIFICATIONS

- Professional Engineer, FL (PE100769)
- PMP Certified
- FDOT/CTQP QC Manager
- PCI Certified Level 1and 2 Quality Control Inspector
- FPCA & CMEC 450 Specification Certification
- PTI Certified Level 1 and 2 Unbonded PT Field Installer/ Inspector
- APNGA Portable Nuclear Gauge Safety & USDOT Hazmat Certification
- Smart Pile Data Acquisition and Review- Level 1
- ACI Concrete Field Testing

EDUCATION

- M.S. Civil Engineering, Florida Atlantic University- Florida
- M.S. Geotechnical Engineering, JNT University, Hyderabad, India
- Diploma in Project Management, HC University, Hyderabad, India
- B.S. Engineering, Osmania University, Hyderabad, India

CAPABILITIES

- Borehole Logging
- Project Management
- Geotechnical Engineering
- Foundation Engineering
- Slope Stability Analysis
- Seepage Analysis
- Field Observations & Inspections
- Roadway Soil Survey
- Testing
- Geotechnical Modeling

COMPUTER SKILLS

- GeoStudio (Slope/W, Seep/W and Sigma/W)
- FB-Deep
- FB-MultiPier
- LPILE
- SPW911
- gINT

REPRESENTATIVE EXPERIENCE

Floating Dock at Peanut Island Replacement, Palm Beach County, FL
Managed geotechnical engineering services including field investigations, laboratory testing and geotechnical engineering report. Provide engineering analyses and recommendations for the proposed improvements. FB-Deep software was used to evaluate the estimated axial pile capacity for an 18-inch Precast, Prestressed Concrete (PPC) pile and LPile software from Ensoft, Inc. was used to model the pile-soil-lateral load interaction.

S-332B and S-332C Pump Station Replacements, Miami-Dade County, FL
Managed geotechnical engineering services including field investigations, laboratory testing and geotechnical engineering data report. Provide subsurface necessary along the defined alignments of canals and embankments and at the location of the structures for the geotechnical analysis and design to support a project design.

Broward County Mast Arms, Broward Co., FL. Senior Geotechnical Engineer -- Field exploration/testing and laboratory testing for 20 planned intersections for mast arm traffic signal conversions and pavement improvements. Provided laboratory testing, asphalt core services and pavement evaluation.

I-75 Express Lanes – Segment E, Broward County, FL. Senior Geotechnical Engineer –- Provided geotechnical engineering services for the improvements along the I-75 (SR9) corridor. The length of the project was about 12 miles from the Miami-Dade County/Broward County line to North of I-595 Interchange.

FPL Germantown-Boca Teeca 138kV Line (T30047), Palm Beach County, FL
Managed geotechnical engineering services including field investigations, laboratory testing and geotechnical engineering report. The purpose of this study was to perform an exploration of the subsurface conditions near the proposed replacement transmission structures in order to provide geotechnical engineering information for the design of the foundations for the proposed transmission structures.

STA 5-6 Connection to Lake Okeechobee, Pam Beach/ Hendry Counties, FL
Managed geotechnical engineering services including field investigations, laboratory testing and geotechnical engineering data report. Provided subsurface data along the defined alignments and structures of the project for use in the engineering analysis and design to support the Project design.

S-842 (Broward Boulevard) - Structure Investigation for Bridge Replacement, Broward County, FL. Senior Geotechnical Engineer –- Oversight including field exploration/testing and laboratory testing. Construction of two replacement bridges, resurfacing, restoration and rehabilitation, and the replacement of the substandard barrier wall.

EAA Miami Canal & North New River, Pam Beach County, FL
Managed geotechnical engineering services including field investigations, laboratory testing, engineering analyses and geotechnical engineering data report. Provided subsurface data along the canals in order to develop preliminary design criteria for canal side slopes. This effort has been implemented in two (2) packages.

FPL Manatee Power Plant, Manatee County, FL
Managed geotechnical engineering services including field investigations, laboratory testing and geotechnical engineering analyses. Provided seepage analysis for the embankment cross-section to in the plant area to evaluate the effectiveness of the existing drain system and its ability to intercept, collect and dissipate seepage propagating through and beneath the dam.

FPL Martin County Power Plant, Martin County, FL
Managed geotechnical engineering services including field investigations, laboratory testing and geotechnical engineering analyses. Provided seepage analysis for the embankment cross-section to in the plant area to evaluate the effectiveness of the existing drainage blanket and drain system and its ability to intercept, collect and dissipate seepage propagating through and beneath the dam.

Larry M. Smith, P.E.

Principal Electrical Engineer

Smith Engineering Consultants, Inc.

West Palm Beach, Florida

(561) 616-3911 ext. 202

(561) 818-3600

Larry@SmithEngineeringConsultants.com

Professional Profile

Larry has over 35 years of experience as an electrical engineer in the areas of electric utilities, water and wastewater utilities, solid waste, water control structures and pump stations, airport electrical systems, architectural projects, telecommunications, roadway, sports field, and specialty lighting. He demonstrates skills in engineering and design, project management, client relations, and staff administration.

Software Skills

AutoCAD, MicroStation AGI32 and Microsoft Office.

Education

BS - Electrical Engineering, Florida Atlantic University, 1987

Post Graduate Research - Electrical Engineering (Telecommunications), Florida Atlantic University, 1987-1988

Licenses/Certifications

Florida P.E. No. 45997
North Carolina P.E. No. 033663
Technical Assistance Analyst, Florida No. T-0828

Awards

Florida Engineering Society, Outstanding Service to the Profession 2010-2011

Florida Engineering Society, Engineer of the Year 2007 - 2008

Professional Societies

Florida Engineering Society, State President 2017-2018

American Society of Civil Engineers, Palm Beach Chapter

Institute of Transportation Engineers, Gold Coast Chapter

Years with SEC:

26

Years of Experience:

38

Project Experience

City of West Palm Beach Water Treatment Plant Generator - Smith Engineering Consultants designed the power, control, and instrumentation systems for a new 2,000 kW, 4,160 volt generator installation at the City's existing Water Treatment Plant. SEC designed the electrical systems, including three new automatic transfer switches, for the relocation of the existing 1,000 kW generator to the City's public works complex. Control and Instrumentation systems were integrated with the existing paralleling switchgear at the water treatment plant.

City of Miami Beach Stormwater Pump Stations– Electrical design for six (6) new stormwater pump stations within the City of Miami Beach at 6th, 10th, and 14th Streets. Each of these pump stations consisted of two (2), 60 horsepower, electric motor operated pumps. A portable generator receptacle was designed to provide backup power for full pumping capacity. Reduced-voltage motor starters were designed to reduce the starting inrush current for the large electric motors.

Town of Palm Beach, D-9 & D-10 Stormwater Pump Stations– Electrical and mechanical design for two (2) stormwater pump stations within the Town of Palm Beach. These pump stations consisted of submersible, electric motor operated pumps. A backup diesel generator was designed at each pump station to provide power for full pumping capacity. Reduced-voltage motor starters were designed to reduce the starting inrush current for the large electric motors. The electrical design included the main electrical service and distribution, control, lighting, and instrumentation. The telemetry system was designed to provide for automation, and remote control and status monitoring, for the pump stations.

Town of Palm Beach, D-6 & D-7 Stormwater Pump Stations– Electrical and mechanical design for two (2) stormwater pump stations within the Town of Palm Beach. These pump stations consisted of submersible, electric motor operated pumps. A backup diesel generator was designed at each pump station to provide power for full pumping capacity. Reduced-voltage motor starters were designed to reduce the starting inrush current for the large electric motors. The electrical design included the main electrical service and distribution, control, lighting, and instrumentation. The telemetry system was designed to provide for automation, and remote control and status monitoring, for the pump stations.

Northern Palm Beach County Improvement District, PGA Central Pump Station: Electrical and mechanical design for the refurbishment of an existing stormwater pump station. This pump station consisted of three (3) diesel operated pumps that were replaced with new electric motor operated pumps. A backup diesel generator was designed to provide power for full pumping capacity. Reduced-voltage motor starters were designed to reduce the starting inrush current for the large electric motors. Mechanical design included the ventilation of the main electrical room, and plumbing. The electrical design included the main electrical service and distribution, control, lighting, and instrumentation. The telemetry system was designed in accordance with District standards. Prior to design we evaluated the electrical and mechanical systems, including alternatives for refurbishment, prepared cost estimates for the alternatives, and assisted in the preparation of a written report for the District.

Larry M. Smith, P.E.
Principal Electrical Engineer

Smith Engineering Consultants,Inc.

West Palm Beach, Florida
(561) 616-3911 ext. 202
(561) 818-3600
Larry@SmithEngineeringConsultants.com

Project Experience

City of West Palm Beach Lift Station SCADA Upgrade - Smith Engineering Consultants designed the replacement of the City's existing base station and RTU's that serve over 100 lift stations throughout the City of West Palm Beach. The existing SCADA system was comprised of several different types of RTU's along with proprietary base station software that was not able to accommodate RTU's with an open communications protocol. Therefore SEC specified a new base station, including both system hardware and software, to allow different types of RTU's to be installed in the field that previously would not have been able to communicate with the base station. We also specified the new RTU's to replace those RTU's at the lift stations that were aging and in need of replacement. This new SCADA system provided the necessary flexibility that helped the City to save operating and maintenance costs by allowing for non-proprietary, lower cost RTU's to be installed throughout their service territory.

City of West Palm Beach Flagler Drive Wastewater Pump Stations - This award winning project included the replacement of a wastewater force main pipeline, and the rehabilitation of two (2) existing pump stations. Pump Station No. 3's submersible pumps were replaced to meet the new flow and head requirements. Control panel upgrades were designed to accommodate the parameters of the new submersible pump motors. At Pump Station No. 5, a new electrical service (including a City-owned step-up transformer) was designed to handle the additional electrical load of the station. A replacement of the three (3) existing VFD's was accomplished within the existing motor control center. Provisions to connect a portable generator through a manual transfer switch were also provided.

City of West Palm Beach Lift Station Improvements and Rehabilitation (LS Nos.: 4, 7, 44, 52, 75, 74, and 153) - This project consisted of the rehabilitation of several existing lift stations and included electrical design, including power, controls, instrumentation and telemetry/SCADA for the installation of new pump control panels and remote telemetry units (RTU's), throughout the City of West Palm Beach's service area.

Lilac Street and Military Trail Intersection, Palm Beach County, Florida - Electrical engineer of record for the design and construction management of a new signalized intersection for Palm Beach Gardens High School. New mast arm signal poles were designed along with their associated electrical services. Larry prepared signal timing diagrams through the application and interpretation of traffic flow and signal timing models. These were included within the signal plans on the plan sheets and signed & sealed accordingly.

Clematis Streetscape Lighting 100, 200, 400 & 500 Blocks, City of West Palm Beach, Florida - Electrical engineer of record for the design of the ongoing design-build streetscape project. Responsible for design of electrical systems, including new decorative lighting poles and fixtures, along Clematis Street and Narcissus Ave. The electrical systems include new electrical service and power for vendor receptacles and photoelectric controlled street lights. Plans also include tree up-lighting and power receptacles for holiday lights. Calculations for the roadway illumination were made in accordance with city requirements, and light pole details prepared to match the existing decorative lighting on recently constructed 300 Block project.

City of West Palm Beach Fern Street Lighting - Smith Engineering Consultants, Inc. designed the electrical systems, including new decorative lighting poles and fixtures, for the sidewalks along Fern Street between Tamarind Avenue and South Olive Avenue. The electrical systems included a new electrical service and power distribution for photoelectric controlled street lights. Calculations for the roadway illumination were made in accordance with city requirements, and light pole details prepared for the selected decorative lighting.

Luther E. Fair, P.E.
Senior Electrical Engineer

Smith Engineering Consultants,Inc.

Fort Lauderdale, Florida
(954) 590-0488 x207
(352) 226-6970
Luther@SmithEngineeringConsultants.com

Professional Profile
Luther has extensive experience as an electrical engineer. He spent most of his career climbing the ladder in various positions at Florida Power & Light. There he gained an unparalleled understanding of electrical systems across various types of civil infrastructure. Luther not only has an acute knowledge of his field, he also possesses an aptitude for leadership and efficient project management. Because of his knowledge, ability and experience Luther implements value engineering in his work and instills wisdom in his colleagues.

Software Skills
AutoCAD, MicroStation and Microsoft Office

Education
BS - Electrical Engineering University of Tennessee - Knoxville, TN, 1972

Licenses/Certifications
P.E. 24633

Professional Societies
Institute of Electrical and Electronics Engineers, Life Member

Years with SEC:
5

Years of Experience:
40+

Sample Project Experience

Wastewater Treatment Facilities

Palm Beach County Water Utilities District SRWRF-Hagen Ranch Rd. Facilities Condition Assessment - *Electrical Engineer r*esponsible for the data gathering, evaluation, and report generation justifying the replacement of electrical equipment in 11 buildings at the South Regional Water Reclamation Facility (SRWRF).

Palm Beach County Water Utilities District SRWRF-Hagen Ranch Rd. Facilities Master Plan - *Electrical Engineer r*esponsible for the data gathering, evaluation, and report generation for justifying new electrical facilities to handle the 2200 kWD of electrical demand being added to the existing 3700 kWD. Also provided a time line shown in this Facilities Master Electrical Plan.

Palm Beach County Water Utilities District WWTP Facility Facilities Condition Assessment - *Belle Glade & Pahokee Facilities, Electrical Engineer r*esponsible for both locations data gathering, evaluation, and report generation justifying the replacement of electrical equipment in 13 buildings at a cost estimate of $745,000

Palm Beach County Water Utilities District, North West Regional WWTP - *Electrical Engineer r*esponsible for both locations data gathering, evaluation, and report generation justifying the replacement of electrical equipment

Stormwater and Surface Water Management

SFWMD C43-West Basin Reservoir S-470 Pump Station - *Electrical Engineer r*esponsible design of Power, Lighting, and Instrumentation for 12 gate structures and for the Dam monitoring. Designed 5kv and below Power, Lighting, and Instrumentation/SCADA for pump station consisting of (4) four 2500HP, 5KV pumps. **SFWMD C43-West Basin Reservoir** - *Electrical Engineer r*esponsible for the Electrical Design and Instrumentation application for 10 gate structures to manage water level in the Calooshatchee River. Coordinated with geotechnical team to place 338 piezometers and 64 RTUs along the dam and Townsend Canal to monitor the dam's integrity. This project represents the largest project letting ever from the SFWMD.

City of Fort Lauderdale, Fort Lauderdale Executive Airport Pump Station Improvements - Responsible for the Electrical Design and Instrumentation application for the upgrading of Variable Frequency Drives(VFDs) for 3-1800 HP motors

Solid Waste System Infrastructure

Solid Waste Authority of Palm Beach County - Arc Flash Study - *Electrical Engineer r*esponsible for the data gathering, evaluation, and report generation for update to the Site 7 Facilities Arc Flash Study involving 2- 13kV and 25 - 5kV transformers, and 8 - 5kV switchgears.

David Jones, P.E.
Senior Mechanical Engineer

Smith Engineering Consultants, Inc.

West Palm Beach, Florida
(561) 616 - 3911
David@SmithEngineeringConsultants.com

Professional Profile

David has over 40 years as a mechanical engineer including over 30 years of HVAC & Plumbing project engineering experience. Specific experience includes project supervision, contract administration, client contact, HVAC load calculations, HVAC equipment selection, HVAC system design, & complete plumbing design. Additional skills include AutoCad drafting, & proficiency with the FL energy code calculation. Types of projects include a wide variety of industrial, commercial, light manufacturing, & residential.

Software Skills

AutoCAD, MicroStation, and Microsoft Office.

Education

BS - Mechanical Engineering, University of Central Florida, 1982

Licenses/Certifications

Florida P.E. No. 41042

Years with SEC:

13

Years of Experience:

40 +

Project Experience

City of West Palm Beach, Renaissance Pump Station - Mechanical design for a new stormwater pump station consisting of three (3) electric motor operated pumps with both upstream and downstream water level monitoring. Provisions for a future backup diesel generator were designed to provide power for full pumping capacity. Reduced-voltage motor starters were designed to reduce the starting inrush current for the large electric motors. Electrical and mechanical design included motor operated gates for control structures, ventilation of the main electrical room, and plumbing. The telemetry system included communication with remote gate structures and water level monitors throughout the Renaissance project. Also included was the electrical design for a chemical treatment and injection system that treated the stormwater as it was pumped into its storage pond. Designed the electrical and mechanical systems for trash rakes that were later installed at this pump station.

Northern Palm Beach County Improvement District, Mirasol Pump Station, FL - Mechanical design for a new stormwater pump station. This pump station consisted of six (6) electric motor operated pumps with both upstream and downstream water level monitoring. A backup diesel generator was designed to provide power for full pumping capacity. Reduced-voltage motor starters were designed to reduce the starting inrush current for the large electric motors. Electrical and mechanical design included motor operated gates for control structures, air conditioning of the main electrical room, and plumbing. The telemetry system was designed in accordance with District standards, and included communication with remote gate structures and water level monitors throughout the Mirasol development. A complicated automation scheme was programmed into the pump station's programmable logic controller (PLC) to operate the pump station independent of the District's base telemetry system.

SFWMD, Technical Review Team Member - Smith Engineering Consultants, Inc. is a previous member of the technical review team responsible for the technical review of design plans and specifications for various SFWMD projects. We are intimately familiar with the District's ProjNet software and Documentum for design standards. We have performed numerous reviews of District projects over the past several years and attended the associated comment review meetings at District offices.

Village of Wellington (ACME Improvement District), Stormwater Pump Stations No. 3, 4, 5, and 6 - Mechanical design for several new stormwater pump stations throughout the Village of Wellington. These pump stations consisted of electric motor operated pumps with both upstream and downstream water level monitoring. A backup diesel generator was designed at each pump station to provide power for full pumping capacity. Electrical and mechanical design included motor operated gates for control structures, ventilation of the main electrical rooms, and plumbing. A new base telemetry system was designed for the District in order to provide for automation, and remote control and status monitoring, for the pump stations, gate control structures, and water level monitoring sites throughout the Village of Wellington. We also designed the electrical and mechanical systems for the trash rakes that were later installed at these pump stations.

TAB - E

Approach to Scope of Work

E. Approach to Scope of Work

Craig A. Smith & Associates LLC (CAS) is pleased to submit our proposal to the City of Hollywood for continuing civil engineering and survey services. CAS understands the City's needs, goals, and objectives regarding planning, design, permitting, bidding, construction administration, and public engagement. Our approach emphasizes technical excellence, timely delivery, cost efficiency, and proactive problem-solving while integrating seamlessly with City staff.

Working Knowledge of the City of Hollywood

CAS has extensive experience working with municipalities throughout South Florida, including projects with similar scale, regulatory requirements, and community considerations. We understand the City of Hollywood's unique infrastructure, utilities, roadway networks, and permitting landscape. Our team is familiar with local policies, the City's design standards, regulatory agencies, and stakeholder expectations, allowing us to anticipate challenges, expedite approvals, and ensure projects are delivered efficiently and in full compliance.

Firm's Resources

Civil Engineering / Engineering Services

The City seeks qualified firms to provide continuing engineering consulting services for planning, design, permitting, bidding, and construction administration, particularly in the field of utilities engineering. CAS has over 45 years of experience managing municipal, county, and special district projects, providing:

- Utilities planning and design (water, wastewater, stormwater)
- Knowledge of local, state, and federal regulations (City of Hollywood Building Department, BCRED, FDEP, SFWMD, EPA, Army Corps, etc.)
- Permit acquisition, agency coordination, and compliance reporting
- Cost-effective project management with timely delivery

CAS employs four licensed Professional Engineers in Florida and has served as Town Engineer, City Engineer, Village Engineer, and District Engineer for numerous municipalities, including City of Oakland Park, City of Margate, Town of Golden Beach, City of Sunny Isles Beach, City of Sweetwater, Village of El Portal, Town of Pembroke Park, City of Belle Glade, Glades County, Hardee County, City of Lauderhill, Spring Lake Improvement District, and Sunshine Water Control District.

Surveying Services



The City requires registered surveyors for Boundary, Site, Topographic, and Rights-of-Way Surveys, as well as Sketches and Legal Descriptions in conformance with Florida Minimum Technical Standards. CAS provides:

- One registered Professional Surveyor
- Five survey crews and seventeen utility locators
- In-house survey and utility locating for accurate basemap development
- Comprehensive, efficient service to support accelerated project timelines

Project Approach

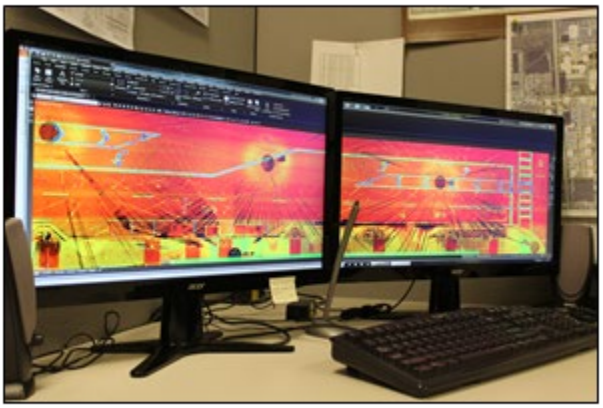
CAS utilizes a **phased approach** to ensure smooth project implementation:

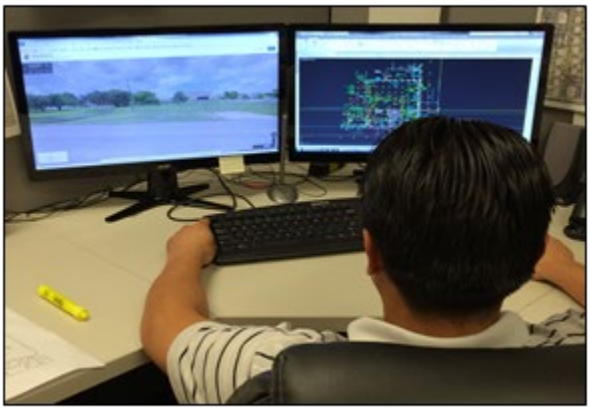
Phase I – Project Development and Planning

- Pre-design meeting with City staff to review scope
- Develop and finalize fee proposal and project scope
- Conduct pre-design field assessment
- Identify grant funding sources


Phase II – Survey and Engineering Design

- Survey and utility coordination
- Soil borings and testing
- Utility locates using Vacuum Soft Digs, EM Designation, 2-D GPR, and 3-D Radar Tomography
- Hydrologic and hydraulic modeling
- Permitting requirements identification
- Preliminary cost estimates and phased design submissions (30% & 60%)





Phase III – Final Engineering and Bidding

- Prepare 90% design plans, final specifications, and bid documents
- QA/QC review with City
- Bid assistance, contractor prequalification, and award recommendations

Phase IV – Construction Management & Project Closeout

- Public outreach, pre-construction meetings, and stakeholder coordination
- Review of contractor submittals, progress schedules, and pay applications
- Bi-weekly progress meetings and change order management
- Construction observation and substantial completion inspections
- Final inspection, record drawings, and project closeout

Innovative Technology – 3-D Radar Tomography (CAS Advantage)

With over 45 years in business, our staff of professional and technical personnel specialize in providing quality professional services to our clients. CAS has extensive experience in subsurface utility engineering (SUE) and employs the **latest state-of-the-art technologies**. In addition to traditional methods of utility locating such as vacuum excavation (potholing), electromagnetic (EM) induction for tonable utilities, and 2-D Ground Penetrating Radar (GPR), CAS can utilize a **proprietary patented scanning technology known as 3-D Radar Tomography for subsurface utility investigations**. 3-D Radar Tomography is a powerful scanning technology which provides for a continuous 3-dimensional scan of subsurface utilities with high levels of accuracy. CAS has utilized this technology in effectively locating subsurface utilities in South Florida with proven results for over 25 years. In today's congested utility corridors accurate and comprehensive utility locates is essential to sound utility engineering design.

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

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

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

Grant Assistance

CAS has assisted municipalities, counties, and special districts in securing **$29,335,631** in grant and legislative funding over the past five years. Our services include:

- Grant application preparation, preliminary engineering reports, and environmental assessments
- Funding evaluation, phasing recommendations, and scoring strategy
- On-time delivery within strict funding deadlines

Legislative Appropriations and Grant Funding Acquisition for water quality projects within the last five years:

Glades County Wastewater Funding Acquisition:

State Legislative Appropriation	2018-2019	$891,848.00
State Legislative Water Quality Appropriation	2019-2020	$1,036,924.00
State Legislative Water Quality Appropriation	2020-2021	$2,700,000.00
State Legislative Water Quality Appropriation	2020-2021	$2,762,183.00
FDEP Water Quality Grant Application	2023-2024	$1,250,000.00
*State Legislative Appropriation	2024-2025	$2,508,882.00
Glades County Wastewater Funding Acquisition Total:		**$11,149,837.00**
FDEP Resilient Florida Planning Grant Critical Assets Vulnerability Assessment	2022-2023	**$200,000.00**

Hardee County Water & Wastewater Quality Projects Funding Acquisition:

Phase 7 Regional Potable Water & Wastewater Improvements FDEP – Legislative Grant	2021-2022	$1,400,000.00
Phase 8 Potable Water & Wastewater Improvements FDEP Legislative Appropriation Grant	2022-2023	$3,100,000.00
Wauchula Hills Water & Wastewater Improvements	2000–2016	$ 9,875,000.00
Hardee County Water & Wastewater Funding Acquisition Total:		**$14,375,000.00**

City of Moore Haven Water Quality Projects Funding Acquisition:

DEO Rural Infrastructure Planning Grant	2022 – 2023	$1,084,102.00
Legislative Appropriation Caloosahatchee River Area Water Quality Stormwater Improvements	2022 – 2023	$934,960.00

FDEP Florida Resilient Planning Grant Critical Assets Vulnerability Assessment	2022 – 2023	200,000.00
City of Moore Haven Water Quality Funding Acquisition Total:		**$2,219,062.00**

City of Belle Glade Water Quality Projects Funding Acquisition:

NW Avenue H Stormwater Improvements FDEP - Legislative Grant	2014-2015	$250,000.00
NW/SW 3RD SW Avenue B Extension Corridor Stormwater Conveyance Improvements FDEP - Legislative Grant	2015-2016	$200,000.00
NW/SW 3RD SW Avenue B Extension Corridor Stormwater Conveyance Improvements FDEP - Legislative Grant	2019-2020	$100,000.00
NW/SW 3RD SW Avenue B Extension Corridor Stormwater Conveyance Improvements FDEP - Legislative Grant	2021-2022	$350,000.00
DEO Rural Infrastructure Planning Grant for stormwater planning and design in the downtown area	2022-2023	$291,732.00
FDEP Resiliency Citywide Critical Asset Vulnerability Assessment	2022-2023	$200,000.00
City of Belle Glade Water Quality Funding Acquisition Total:		**$1,391,732.00**

Total Funding Acquisitions: $29,335,631.00

Firm Resources & Workload

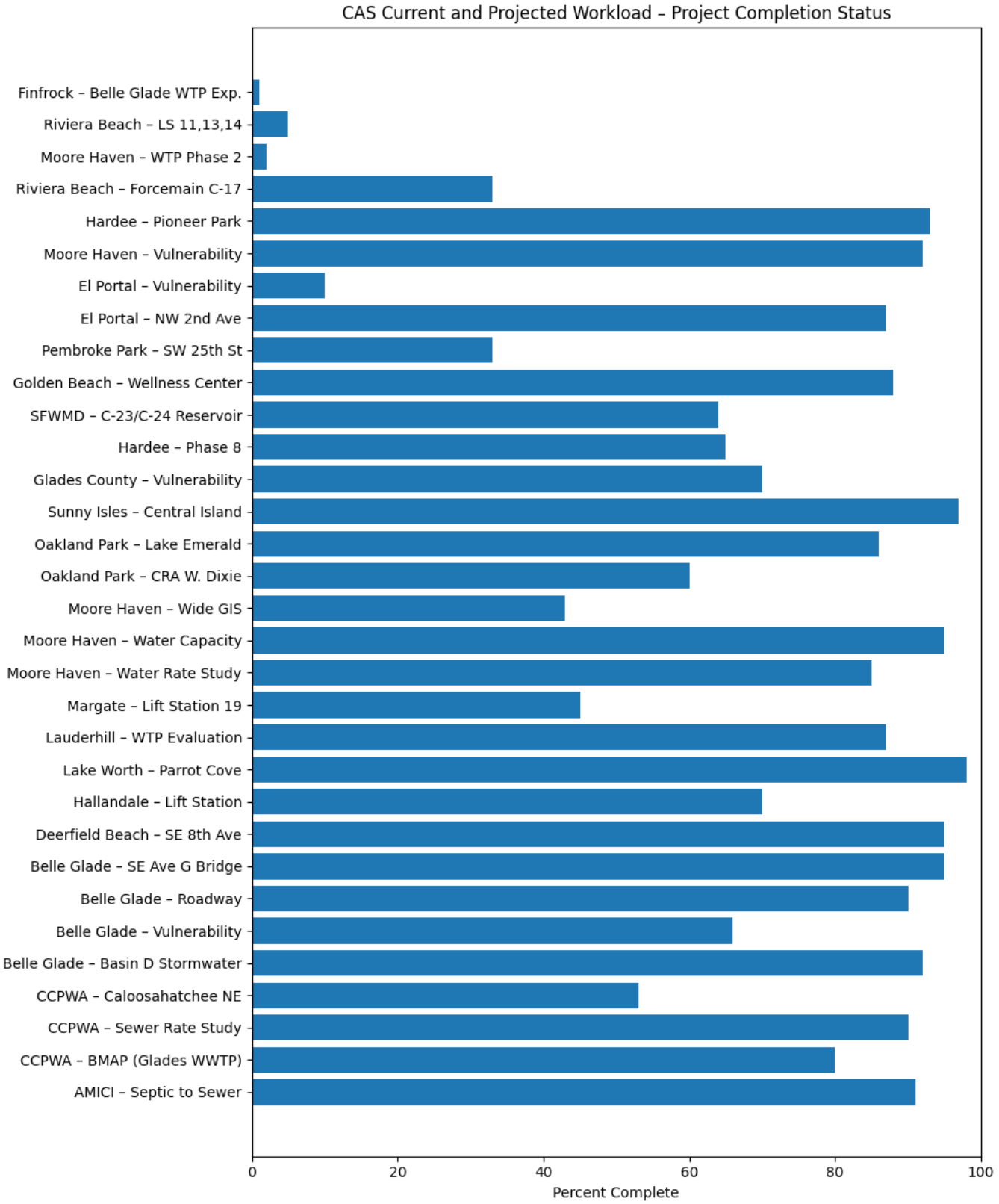
As a reputable and experienced company, we understand the importance of being able to manage our workload effectively to ensure the successful and timely execution of projects.

Based on our current workload and available resources, we are confident in our ability to accommodate the workload associated with each assigned project. Our team has the necessary expertise and capacity to take on additional projects, and our commitment to delivering high-quality results remains unwavering.

We have assessed our current staff capacity and have identified team members who are readily available to take on new assignments. Our experienced and tenured staff are accustomed to working on multiple projects simultaneously, and their expertise allows for efficient project execution.

We understand the importance of meeting your project timelines and objectives. Our commitment to prioritizing your project and delivering exceptional results has been a core principle of our business for 45 years. We have the necessary infrastructure, resources, and project management capabilities to handle the workload associated with your project while maintaining our commitment to quality and efficiency.

We hope the following overview of our workload capacity provides reassurance that we can handle the demands of each assigned project effectively. We are available to discuss any specific requirements or concerns you may have and are committed to finding the optimal approach to meet your needs.


CAS Current and Projected Workload – Project Completion Status
Finfrock – Belle Glade WTP Exp.
Riviera Beach – LS 11,13,14
Moore Haven – WTP Phase 2
Riviera Beach – Forcemain C-17
Hardee – Pioneer Park
Moore Haven – Vulnerability
El Portal – Vulnerability
El Portal – NW 2nd Ave
Pembroke Park – SW 25th St
Golden Beach – Wellness Center
SFWMD – C-23/C-24 Reservoir
Hardee – Phase 8
Glades County – Vulnerability
Sunny Isles – Central Island
Oakland Park – Lake Emerald
Oakland Park – CRA W. Dixie
Moore Haven – Wide GIS
Moore Haven – Water Capacity
Moore Haven – Water Rate Study
Margate – Lift Station 19
Lauderhill – WTP Evaluation
Lake Worth – Parrot Cove
Hallandale – Lift Station
Deerfield Beach – SE 8th Ave
Belle Glade – SE Ave G Bridge
Belle Glade – Roadway
Belle Glade – Vulnerability
Belle Glade – Basin D Stormwater
CCPWA – Caloosahatchee NE
CCPWA – Sewer Rate Study
CCPWA – BMAP (Glades WWTP)
AMICI – Septic to Sewer
0
20
40
60
80
100
Percent Complete

Current and Projected Workload Summary

Project	% Complete
AMICI Engineering – Septic to Sewer	91%
CCPWA – BMAP for Glades WWTP	80%
CCPWA – Sewer Rate Study	90%
CCPWA – Caloosahatchee River Northeast	53%
Belle Glade – Basin D Stormwater	92%
Belle Glade – Vulnerability Assessment	66%
Belle Glade – Roadway Project	90%
Belle Glade – SE Avenue G Pedestrian Bridge	95%
City of Deerfield Beach – SE 8th Avenue Stormwater	95%
City of Hallandale Beach – Lift Station	70%
City of Lake Worth – Parrot Cove	98%
City of Lauderhill – WTP Plant Evaluation	87%
City of Margate – Lift Station 19	45%
City of Moore Haven – Water Rate Study	85%
City of Moore Haven – Water Capacity Analysis	95%
City of Moore Haven – Wide GIS Mapping	43%
Oakland Park – CRA Improvements, W. Dixie Side Streets	60%
Oakland Park – Lake Emerald	86%
Sunny Isles Beach – Central Island Pump Station & Drainage	97%
Glades County – Vulnerability Assessment	70%
Hamal Community	N/A
Hardee County – Phase 8	65%
SFWMD – C-23/C-24 Reservoir Project	64%
Town of Golden Beach – Wellness Center	88%
Town of Pembroke Park – SW 25th Street Stormwater Improvements	33%
Village of El Portal – NW 2nd Avenue	87%
Village of El Portal – Vulnerability Assessment	10%

CAS's current workload reflects a balanced portfolio of utility, stormwater, vulnerability assessment, and rate-related assignments, with the majority of projects exceeding 60% completion. Several major assignments are nearing completion within the next one to two quarters, ensuring adequate staff availability and management capacity to perform the City of Hollywood Stormwater Pump Station #16 project without impact to schedule or quality.

Quality Assurance / Quality Control

Quality control throughout the project duration is handled by means of a check and balance system and through the team's client relationships that we form during the project providing continuous open, often face-to-face, and honest lines of communication. CAS conducts weekly QA/QC meetings in-house every Monday to ensure the projects are on schedule and within budget. The CAS process will be methodical and timely in approach. The established goals identified in the project initiation will be implemented through the construction phase and close-out of the project.

CAS conducts a kick-off meeting with all members of the team at project inception. Clear lines of responsibility will be assigned to each team member. The quality of the project is controlled by the Project Manager (PM) in charge. It is the PM's responsibility to coordinate the efforts of all disciplines to provide a complete and cohesive final deliverable to the City of Hollywood

The quality of the project is assured by the CAS principals. CAS principals work closely with each Project Manager to assure that projects remain on track with regards to scope, schedule and budget. Additionally, CAS principals are Professional Engineers who spent decades in the design arena and continue to be involved in the design process. When necessary, they provide input and insight to the design process.

Members of the project team will meet regularly to establish a consistent quality review framework.

- Quality standards are fundamental to the success of the project. CAS prides itself on the consistent high quality of our output, whether it is project plans, specifications, design elements, comprehensive studies, survey, utility locates or grant writing.

- At CAS, we are committed to achieving and maintaining the highest quality standards possible and ensuring the client's satisfaction. Refer to Exhibit A – Design Process Flow Chart as an example of the typical QA/QC process implemented on the following page.

Project Scheduling, Monitoring & Budgeting

Craig A. Smith & Associates, LLC (CAS) recognizes the critical importance of adhering to project timelines and remains fully committed to meeting all project-specific time requirements established by the City of Hollywood. Our firm has successfully delivered civil engineering and surveying services across South Florida, consistently meeting or exceeding client expectations for timeliness and responsiveness.

Approach to Meeting Time Requirements:

- **Project Scheduling and Planning:** At project initiation, CAS develops a detailed, milestone-driven project schedule based on the scope, client objectives, and required deliverables. We utilize tools like Microsoft Project and Primavera to track progress, dependencies, and deadlines in real-time.
- **Dedicated Project Teams:** We assign a dedicated project manager and support team for each project to ensure continuity, clear communication, and focused attention to schedule adherence.
- **Flexible Capacity:** As a moderate-sized firm, CAS maintains the flexibility to scale resources quickly to accommodate fluctuating project demands. Our in-house multidisciplinary teams allow us to respond swiftly without compromising quality.

- **Proactive Communication:** We prioritize regular updates and proactive communication with City staff to identify potential schedule risks early and mitigate them through collaborative solutions.

Commitment: Craig A. Smith & Associates, LLC unequivocally commits to meeting all project-specific time requirements established by the City of Hollywood. We understand that timely delivery is crucial to public-sector success and will allocate the necessary staff, tools, and attention to ensure each project proceeds on schedule.

Craig A. Smith & Associates, LLC takes a collaborative, structured, and transparent approach to project management, tailored to the complexities of municipal infrastructure projects.

Comprehensive Project Management Approach:

- **Project Kick-Off and Stakeholder Alignment:** Each project begins with a comprehensive kickoff meeting to align expectations, identify key stakeholders, and define communication protocols.
- **Integrated Coordination:** CAS routinely interfaces with local, county, regional, and state agencies including FDOT, FDEP, SFWMD, and Broward County agencies, ensuring all regulatory requirements and permits are managed effectively.
- **Utility Coordination:** Our team has extensive experience working with utility providers (e.g., FPL, AT&T, Comcast, TECO, municipal water and sewer utilities). We maintain up-to-date contact logs and project tracking matrices to monitor utility conflict resolutions, relocations, and design impacts. Coordination with other utilities is our strength and expertise. Through our commitment to SUE, 3D Radar Tomography and other disciplines required for underground utility design and construction, CAS has the technology, staff, and resources to anticipate underground conditions.
- **Permitting and Compliance:** CAS maintains a strong working relationship with permitting agencies. We proactively prepare and submit permit applications, track status, and expedite resolution of any reviewer comments.
- **Quality and Budget Controls:** Our internal QA/QC process includes technical peer review at each design phase. We monitor scope and budget adherence through monthly internal reviews and coordination with client stakeholders.
- **Documentation and Reporting:** CAS employs cloud-based platforms for document control, allowing the City and stakeholders real-time access to schedules, plans, and reports.

By combining technical expertise with transparent communication and agency coordination, CAS ensures smooth project execution from planning to construction close-out.

Staff Availability & Accessibility

All key staff are committed to the City of Hollywood projects:

- Rapid response (within the hour or same business day) to emails/phone calls
- Bi-weekly status reports to City staff
- Attendance at all project meetings, in-person or virtual
- Flexible allocation of engineering, survey, construction, and administrative staff

Conclusion

CAS combines **technical expertise, extensive regulatory knowledge, innovative technology, grant funding experience, and a proven unified design process** to provide high-quality engineering and surveying services. Our understanding of Hollywood's infrastructure, staffing flexibility, and commitment to public engagement ensure timely and cost-effective project delivery while enhancing value to the City.

TAB - F

Knowledge of the Site and Local Conditions

F. Knowledge of the Site and Local Conditions

Craig A. Smith & Associates LLC (CAS) has extensive experience delivering stormwater and utility infrastructure projects within **coastal, low-elevation barrier island environments** subject to **tidal influence, hurricane wind forces, and constrained rights-of-way**, including the City of Hollywood and neighboring municipalities. CAS has provided **utility locating services to the City of Hollywood since 2005**, giving our team detailed familiarity with subsurface conditions along SR A1A and within the CRA district.

Due to increasing tidal elevations, **daylight flooding has become a recurring condition along the barrier island**, creating safety risks for vehicles and pedestrians. CAS understands the City's proactive approach to flood mitigation through the implementation of **localized stormwater pump stations** south of Hollywood Boulevard, consistent with findings from:

- The City's **Drainage Master Plan Model**
- The **SR A1A Stormwater Project analysis** prepared for the CRA by CDM Smith
- The **Basis of Design Report (BODR)** prepared by Broward County Consulting (BCC), evaluating three pump station alternatives between Iris Street and Hollywood Boulevard

CAS is experienced in advancing projects that are guided by multi-agency technical studies and understands how to translate planning-level recommendations into **constructible, permit-ready designs**.

Engineering Analysis, Modeling, and Alternative Evaluation

CAS will perform the **engineering analyses and hydraulic modeling** necessary to evaluate the existing level of service and assess each BODR alternative. This includes:

- Field testing and validation of model assumptions
- Comparative evaluation of alternative pump station locations and configurations
- Preparation of a clear, decision-focused presentation comparing alternatives for City Officials

CAS has extensive experience presenting complex technical concepts in a manner that supports informed decision-making. Following City selection of the preferred alternative, CAS will promptly advance the selected concept into design.

Design Development and Permitting Expertise

CAS has a thorough understanding of **City of Hollywood, Broward County, SFWMD, FDOT, FDEP, and other applicable agency requirements**, including permitting procedures, testing protocols, and design standards applicable to coastal stormwater pump stations along SR A1A.

CAS will prepare **30% Schematic Design and 60% Design Development submittals**, including:

- Civil, structural, electrical, and pump station plans
- Stormwater pipe and outfall plans
- Pump station layouts, sections, and details
- Electrical plans, panel schedules, and riser diagrams
- Pollution Control Plans and environmental documentation
- All drainage reports required by agencies having jurisdiction

At the 60% submittal, CAS will identify **all required permits** and coordinate closely with City staff and reviewing agencies. Agency and City comments will be incorporated into the **90% design set**, with final conflict resolution completed prior to permit submittals.

Experience with Logistically Complex, Occupied, and Safety-Sensitive Sites

CAS has extensive experience delivering projects in **occupied, high-traffic, and public-facing environments**, including barrier island roadways where:

- Maintaining public safety is critical
- Construction access is limited
- Utilities are congested and often undocumented
- Phased construction and temporary bypassing are required

Our approach emphasizes safety, constructability, and coordination to minimize impacts to residents, businesses, and the traveling public.

Relevant Stormwater Pump Station Experience

Town of Golden Beach – Stormwater Pump Station (2018–2022)
CAS has maintained a professional engineering services contract with the Town of Golden Beach since 2000. Under a Task Order, CAS provided **engineering, design, permitting, surveying, utility locating, and construction management** for a stormwater pump station designed to provide flood relief during storm events coinciding with high tide.

- Total design and CM cost: **$234,315**
- SRF loan secured by CAS: **$915,000**
- Construction contract award: **$1.2 million**
- Construction completed **without liquidated damages**

Center Island Stormwater Pump Station Program (Redesign and Cost Optimization)
CAS originally designed and permitted two regional pump stations; however, bids exceeded available funding. CAS worked collaboratively with the City to **re-envision the project**, resulting in a lower-cost solution incorporating **ten (10) distributed stormwater pump stations** utilizing existing **Class V stormwater disposal wells**.

Services included:

- Drainage system analysis and modeling
- Route survey and detailed cross sections
- Utility locating using **2D GPR, electromagnetic methods, and 30 soft digs**
- Design of simplex 17 HP pumps rated at 4,900 GPM with associated force mains

Design was completed on schedule, and the project is currently in permitting with a **$301,800 design and CM budget**.

Additional Drainage Improvement Projects
CAS completed a drainage study and design for a **13.9-acre area for the City of Pembroke Park**, resulting in upsized storm drainage, a stormwater pump station, and force main improvements with a current construction estimate of **$3.3 million**. The project goals included flood mitigation, enhanced conveyance, and improved water quality treatment.

TAB - G

References -
Vendor Reference Form

VENDOR REFERENCE FORM

City of Hollywood Solicitation #: RFQ-365-26-JJ
Reference for: Craig A. Smith & Associates LLC

Organization/Firm Name providing reference: Town of Golden Beach
Organization/Firm Contact Name: Alexander Diaz
Title: Town Manager
Email: alexanderdiaz@goldenbeach.us
Phone: 305-932-0744
Name of Referenced Project: Center Island Stormwater-Tidal Pump Station Improvements
Contract No:
Date Services were provided: 2022
Project Amount: Design: $234,625.00

Referenced Vendor's role in Project: ☐ Prime Vendor ☐ Subcontractor/ Subconsultant

Would you use the Vendor again? ☐ Yes ☐ No. Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):
Provided engineering, design, permitting, surveying, utility locating and construction management services for the design of a duplex stormwater pump station with 18HP pumps rated at 2,340 GPM to provide flood relief during a storm event occurring in high tide. CAS also secured an SRF loan for the Town in the amount of $915,000.

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	☐	☐	☒	☐
b. Accuracy	☐	☐	☒	☐
c. Deliverables	☐	☐	☒	☐
Vendor's Organization:				
a. Staff expertise	☐	☐	☒	☐
b. Professionalism	☐	☐	☒	☐
c. Staff turnover	☐	☐	☒	☐
Timeliness/Cost Control of:				
a. Project	☐	☐	☒	☐
b. Deliverables	☐	☐	☒	☐

Additional Comments (provide additional sheet if necessary):
Great company

1-29-2026

****THIS SECTION FOR CITY USE ONLY****						
Verified via:	**Email:**	☐	**Verbal:**	☐	**Mail:**	☐
Verified by:	**Name:**				**Title:**	
	Department:				**Date:**	

VENDOR REFERENCE FORM

City of Hollywood Solicitation #: RFQ-365-26-JJ
Reference for: Craig A. Smith & Associates LLC

Organization/Firm Name providing reference: City of Oakland Park
Organization/Firm Contact Name: Chris Lips
Title: Assistant Public Works Director
Email: Chrisl@oaklandparkfl.gov
Phone: 954-630-4441
Name of Referenced Project:
Contract No:
Date Services were provided:
Project Amount:

Referenced Vendor's role in Project: ☑ **Prime Vendor** ☐ **Subcontractor/ Subconsultant**

Would you use the Vendor again? ☑ **Yes** ☐ **No. Please specify in additional comments**

Description of services provided by Vendor (provide additional sheet if necessary):
Craig A. Smith & Associates performes all our utility locates required by Sunshine One Call. CAS also provides surveying and engineering consulting services.

Please rate your experience with the Vendor	**Need Improvement**	**Satisfactory**	**Excellent**	**Not Applicable**
Vendor's Quality of Service				
a. Responsive	☐	☐	☑	☐
b. Accuracy	☐	☐	☑	☐
c. Deliverables	☐	☐	☑	☐
Vendor's Organization:				
a. Staff expertise	☐	☐	☑	☐
b. Professionalism	☐	☐	☑	☐
c. Staff turnover	☐	☐	☐	☑
Timeliness/Cost Control of:				
a. Project	☐	☐	☑	☐
b. Deliverables	☐	☐	☑	☐

Additional Comments (provide additional sheet if necessary):

****THIS SECTION FOR CITY USE ONLY****						
Verified via:	**Email:**	☐	**Verbal:**	☐	**Mail:**	☐
Verified by:	**Name:**				**Title:**	
	Department:				**Date:**	

October 28, 2025

To Whom It May Concern:

I am pleased to recommend Craig A. Smith & Associates (CAS). The City of Sunny Isles Beach has worked with CAS on multiple projects, including the NE 174th Street Roadway Improvements Project and the ongoing Center Island stormwater pump station improvements.

The NE 174th Street Project involved reconstruction of 0.2 miles of roadway and drainage from Collins Avenue to North Bay Road. The existing system was failing due to poor soils, limited drainage, and an undersized outfall. CAS's design included a reconstructed roadway base with geotech fabric, a new drainage system meeting water quality standards, utility relocations, sidewalks, landscaping, curbing, bike paths, and parking.

For Center Island, CAS provided engineering design, permitting, surveying, utility locating for ten (10) stormwater pump stations integrated with existing drainage and Class V disposal wells to provide flood relief. Plans will be ready to bid in the coming month. CAS conducted a thorough drainage analysis, survey, and utility locates, including GPR, electromagnetic detection, and soft digs. Each pump station is designed with a 17 HP pump rated at 4,900 GPM. The design and survey were completed on schedule, and the project is currently in construction.

CAS has consistently demonstrated technical expertise, professionalism, and innovative, cost-effective solutions, making them a reliable partner for the City. I recommend CAS without reservation for civil engineering, surveying, and construction management services.

Sincerely,

Susan Simpson
Deputy City Manager

TOWN OF GOLDEN BEACH

100 Ocean Boulevard, Golden Beach, FL 33160
Office (305) 932-0744 • Fax (305) 933-3825
www.goldenbeach.us

Alexander Diaz
Town Manager

October 29, 2025

To Whom It May Concern:

This letter is provided on behalf of Craig A. Smith & Associates (CAS). The Town of Golden Beach has been working with CAS since 2000. Over the past 25 years, CAS has provided professional surveying, civil engineering, construction management, and utility locating services for a wide range of Town projects.

These projects have included major capital improvements encompassing stormwater infrastructure upgrades and flood risk reduction initiatives, such as the design and implementation of stormwater pump stations to alleviate neighborhood flooding. In addition, CAS has supported the Town with site improvements for municipal facilities, including enhancements to the Town's Wellness Center campus and other civic infrastructure.

CAS continues to serve the Town in the capacity of Town Engineer, providing reliable and responsive support across all phases of project development—from planning and design through construction oversight.

Throughout our long-standing partnership, the Town of Golden Beach has found CAS to be extremely effective, professional, and dedicated in fulfilling its responsibilities. I therefore recommend them highly for similar work.

Sincerely,

Alexander Diaz

Town Manager

Town of Pembroke Park
3150 SW 52nd Avenue • Pembroke Park, Florida 33023
954.966.4600 • www.tppfl.gov

October 28, 2025

To Whom It May Concern:

This letter is provided on behalf of Craig A. Smith & Associates (CAS). The Town of Pembroke Park has been working with CAS since 1987, maintaining a valued professional relationship for nearly four decades. Throughout this time, CAS has provided continuing civil engineering, surveying, construction management, and utility coordination services in support of the Town's infrastructure and development initiatives.

In addition to performing major capital improvement projects, including stormwater, water, sewer, and roadway system upgrades, CAS has supported the Town in a consultant capacity by providing technical review of site development plans and evaluating potential impacts to public infrastructure. Their team assists the Town in maintaining compliance with local and regulatory requirements, ensuring that both public and private improvements meet the Town's standards for safety, functionality, and sustainability.

Over the years, the Town of Pembroke Park has found CAS to be professional, responsive, and highly effective in fulfilling its responsibilities. The Town continues to rely on their expertise and consistent performance in delivering high-quality consulting services.

I therefore recommend Craig A. Smith & Associates without reservation for similar professional work.

Sincerely,

Ashira Mohammed
Commissioner

TAB - H

Sub Consultant Information

H. Sub Consultant Information

Craig A. Smith & Associates LLC (CAS) will serve as the Prime Consultant, providing full project leadership, multidiscipline integration, and single-source responsibility across all phases of design, permitting, and construction support. CAS has a proven history of successfully managing complex infrastructure projects throughout South Florida while coordinating seamlessly with key specialty subconsultants.

RADISE International, L.C. – Geotechnical & Materials Testing (Subconsultant)
Role: Geotechnical Engineering, Drilling, Construction Materials Testing, QA/QC, Permitting, Reporting

Key Personnel:
- Jamshid Sajadi, PE
- Nitesh Goli

Capabilities & Responsibilities:
- Geotechnical investigations and recommendations
- Soil borings, subsurface exploration, and drilling programs
- Construction materials testing (concrete, asphalt, soils)
- Permitting and regulatory coordination
- QA/QC support throughout design and construction

Relevant Experience with CAS:
RADISE has partnered with CAS on numerous South Florida utility and infrastructure projects, providing geotechnical services for water main, sewer force main, drainage, roadway, and pump improvements for:

- Town of Pembroke Park
- Indian Trail Improvement District
- Spring Lake Improvement District
- City of Moore Haven
- Glades County / CCPWA
- Hardee County
- Okeechobee County
- City of Belle Glade
- Sunny Isles Beach
- City of Margate

Smith Engineering Consultants, Inc. (SEC) – Electrical & Mechanical Engineering (Subconsultant)
Role: Electrical, Instrumentation, SCADA, and Mechanical Design

Key Personnel:
- Larry Smith – Principal Electrical Engineer
- Luther Fair – Senior PM, Electrical
- David Jones, PE – Mechanical Engineer

Capabilities & Responsibilities:
- Power distribution and electrical system design
- Instrumentation & controls (I&C)
- SCADA system design and integration
- Mechanical engineering support for water/wastewater, stormwater, lift stations, and pump stations

Relevant Experience with CAS:
SEC has delivered electrical, mechanical, and SCADA design for several CAS-led municipal and utility projects, including:

- Acreage Community Park South Expansion
- Sun-N-Lake Mantanzas Wastewater Lift Station
- Glades County Washington Park Wastewater Lift Station
- Spring Lake Improvement District Water Treatment Plant No. 1 & No. 2 Improvements

Integration Experience & Team Strength

- CAS has successfully led multi-disciplinary teams, including RADISE and SEC, delivering integrated civil, structural, geotechnical, electrical, and transportation solutions.
- CAS maintains single-source responsibility, overseeing all design disciplines, construction coordination, QA/QC, and permitting processes.
- This team brings more than five years of proven collaboration across South Florida, consistently meeting schedules, budgets, and all regulatory requirements.
- Together, the CAS–RADISE–SEC team provides comprehensive, seamless project delivery from concept through construction.

Founded in 1997, RADISE International, LC (RADISE) is a premier geotechnical and materials engineering and testing firm servicing a broad spectrum of industries, and specializing in geotechnical engineering, construction materials testing, and inspection services for over 26 years. RADISE has extensive experience providing professional engineering services throughout South Florida and has continuing Geotechnical Engineering Services and Material Testing contracts with Broward, Palm Beach and Miami Dade Counties, United States Army Corps of Engineers**,** South Florida Water Management District, Florida Department of Transportation, The School Boards of Palm Beach, Broward and Miami Dade Counties, and the Cities of West Palm Beach, Lake Worth, Greenacres, Fort Lauderdale and Miami Beach.

Our Corporate Office is located at **4152 Blue Heron Boulevard, in Riviera Beach, FL**, which houses our state-of-the-art laboratory that is fully equipped for the testing of soils and other construction materials. Our laboratory is accredited by the Construction Materials Engineering Council **(CMEC),** approved by the Florida Department of Transportation **(FDOT)** and validated by the United States Army Corps of Engineers **(USACE).** We have offices and Certified Laboratories in Miami, Ft. Lauderdale, Tampa, and Jacksonville.

The following list of services represents those most frequently requested, but not all that **RADISE** provides.

- Geotechnical Engineering Services (subsurface studies)
- Geotechnical Drilling (Standard Penetration Test borings)
- Foundation Analysis (recommendations and design)
- Bridge Piling Design including WEAP Analysis
- Construction Materials Testing and Inspections, including soils & concrete tests
- Construction Monitoring and Inspections, including PDA, driven pile inspections, vibro-compaction/replacement oversight, auger cast pile load test and production pile monitoring, post-tension inspections and vibration monitoring.
- Masonry Tests, Asphalt Monitoring and Tests
- Non-destructive tests (Impact Hammer and Windsor probe)
- Geosynthetic Materials (geomembranes, geotextiles, geonets and geosynthetic clay liners) Inspections

RADISE holds all the required certifications and licenses from the State of Florida and Board of Professional Engineers to operate our Professional Geotechnical Engineering, Construction Inspection and Material Testing Business.

RADISE also holds minority certifications including the State of Florida DOT DBE

RADISE is a committed, professional, and cost-effective service provider, dedicated to providing the highest performance and ultimate in customer service. Regardless of the scale of your project, RADISE will develop a practical approach to successfully achieve your goals on schedule and within budget. **We at RADISE want to be more than just a service provider, but a Teaming partner!**

Smith Engineering Consultants, Inc.
2161 Palm Beach Lakes Blvd., Suite 312
West Palm Beach, FL 33409
Phone: 561-616-3911

Smith Engineering Consultants, Inc. (SEC) is an electrical engineering firm with a niche for providing professional services on civil engineering projects. Whether your project calls for new construction or the renovation of aging facilities, our staff can provide planning and design services, cost estimates, and construction phase services. We have built a deserved reputation for completing assignments in a cost-effective and timely manner. You can count on SEC to provide the detailed plans and specifications necessary for smooth construction, start-up, and operation.

Smith Engineering Consultants, Inc. is well qualified to perform any and all of the services that you might require from our staff including: power generation; low (480V) and medium-voltage (5 kV) power distribution systems; electrical power systems analysis including short-circuit coordination, arc-flash, and power quality; fire alarm, security, HVAC controls, automation and instrumentation using SCADA and HMI's, indoor, outdoor and street lighting, LEED projects, etc. We specialize in municipal projects including roadway lighting, water and wastewater treatment plants, pump stations, wells, and stormwater pump stations.

We also have extensive experience in designing roadway and sports field lighting projects including: electrical service and distribution design; conventional, decorative, and high mast lighting design (including illumination calculations (photometrics)); baseball, softball, basketball, tennis soccer, and multi-purpose fields.

We specialize in municipal projects and have worked for many government agencies throughout our more than 20 years in business. We are also a certified small business in Palm Beach County, City of West Palm Beach, and other agencies. We have numerous ongoing projects throughout the state of Florida and pride ourselves in adhering to project budgets and timelines through the efficient management of our staff while working on many projects simultaneously.

Our services include:

- Preparation of conceptual design documents such as one-line diagrams, overall electrical site plans, control and instrumentation block diagrams, and conceptual performance specifications.
- Negotiation with the electric utility supplying power to the facility for acceptable contract terms and power supply arrangements.
- Preparation of detailed design drawings and specifications providing for the procurement and installation of all electrical and mechanical equipment and systems in a format compatible with civil and structural plans and specification documents.
- Evaluation of construction bids.
- Review of shop drawings.
- Electrical construction management services including construction observation, as well as start-up and testing assistance.

TAB - I

Financial Resources

CRAIG A. SMITH & ASSOCIATES, LLC

Financial Statements

Income Statement For The Year 2023

Particulars	Amount ($)
Income	
Revenue	$ 6,910,466
Gross Revenue	**$ 6,910,466**
Direct Expenses	
Direct Labor	$ 2,314,718
Sub-Consultants(Internal +External)	$ 388,218
Project nonlabor cost	$ 34,092
Total Direct Expenses	**$ 2,737,028**
Indirect Expenses	
Indirect Labor	$ 440,066
Fringe Benefits	$ 884,335
Amortization/Depreciation	$ 371,004
Automobile/Vehicle and Travel	$ 230,128
Overhead Expenses	$ 159,583
Overhead Items	$ 151,886
Finance &Accounting	$ 387,656
IT Support	$ 118,824
Human Resource	$ 146,520
Business Development	$ 135,679
Professional Services & Fees	$ 345,549
Training/Reg/Certs	$ 2,459
Facility Related	$ 369,792
Insurance	$ 216,065
Licenses/Software	$ 66,653
Others	$ 38,300
Freight	$ 413
Employee Relations	$ 193
Total Indirect Expenses	**$ 4,065,104**
Profit/(Loss)	**$ 108,333**

Koteswara Rao Sadineni CMA, CPA. Director – Finance (SIG)

www.craigasmith.com

CRAIG A. SMITH & ASSOCIATES, LLC.
Balance Sheet As on 12.31.2023

Particulars	Amount ($)
Assets	
Current Assets	
Cash	$ -
Accounts Receivables-Billed	$ 2,066,365
Accounts Receivables-Unbilled	$ 5,933
Notes/Other Receivables(Internal/External)	$ 40,371
Total Current Assets	**$ 2,112,669**
Fixed Assets	
Automobile/Vehicles	$ 239,969
Furniture and Fixtures	$ 41,074
Computers and Equipment	$ 1,162,115
Licenses and Software	$ 136,195
Less Amortization/Depreciation	$ (1,393,449)
Total Fixed Assets	**$ 185,904**
Non-Current Assets	
Goodwill	$ 497,765
Other Non-Current Assets	$ 23,799
Total Non-Current Assets	**$ 521,564**
TOTAL ASSETS	**$ 2,820,136**
Liabilities	
Current Liabilities	
Accounts Payable	$ 409,907
Accrued Benefits - Fringe and payroll and other payables	$ 929,053
Current Loan Payable	$ 70,000
Total Current Liabilities	**$ 1,408,960**
Non-Current Liabilities	
Loans - Bank/External	$ 812,500
Capital Leases	$ 284,421
Total Non-Current Liabilities	**$ 1,096,921**
Shareholders Equity	
Stock - Common	$ 1,000
Earnings	$ 313,255
Shareholders Equity	**$ 314,255**
TOTAL LIABILITIES	**$ 2,820,136**

Koteswara Rao Sadineni CMA, CPA. Director – Finance (SIG)

CRAIG A. SMITH & ASSOCIATES, LLC.
Cash Flow Statement For 2023

Particulars	Amount ($)
CASH FLOWS FROM OPERATING ACTIVITIES:	
Net income	$ 108,333
Depreciation	$ 371,004
Decrease (Increase) in Accounts receivable	$ 361,968
Decrease (Increase) in Loans & Advances	$ 63,257
Increase (Decrease) in Accounts payable	$ (645,182)
Increase (Decrease) in Accrued expenses and Payroll Related	$ 22,209
Net cash provided (used) by operating activities	**$ 173,257**
CASH FLOWS FROM INVESTING ACTIVITIES:	
Decrease (Increase) in Fixed Assets	$ (343,374)
Decrease (Increase) in Deposits	$ 32,453
Decrease (Increase) in Intercompany Advances	$ (8,255)
Net cash provided (used) by investing activities	**$ (319,177)**
CASH FLOWS FROM FINANCING ACTIVITIES:	
Increase (Decrease) in Loans From Banks and Internal	$ (180,000)
Increase (Decrease) in Shareholders Advances/Withdrawal	$ (79,996)
Increase (Decrease) in Intercompany Advances Payable	$ (57,967)
Increase (Decrease) in Capital Lease & Finance Agreement	$ 4,705
Net cash provided (used) by financing activities	**$ (313,258)**
NET INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS	**$ (350,845)**
CASH AND CASH EQUIVALENTS, BEGINNING	$ 350,845
CASH AND CASH EQUIVALENTS, ENDING	$ (0)

Koteswara Rao Sadineni CMA, CPA. Director – Finance (SIG)

CRAIG A. SMITH & ASSOCIATES, LLC.
Financial Statements
Income Statement For The Year 2024

Particulars	Amount ($)
Income	
Revenue	$ 7,146,356
Gross Revenue	**$ 7,146,356**
Direct Expenses	
Direct Labor	$ 2,307,576
Sub-Consultants(Internal +External)	$ 202,895
Project nonlabor cost	$ 90,318
Total Direct Expenses	**$ 2,600,789**
Indirect Expenses	
Indirect Labor	$ 645,312
Fringe Benefits	$ 818,723
Amortization/Depreciation	$ 550,771
Automobile/Vehicle and Travel	$ 275,111
Overhead Expenses	$ 58,490
Overhead Items	$ 37,430
General Administrative Services	$ 328,075
IT Support	$ 164,037
Professional Services & Fees	$ 536,771
Training/Reg/Certs	$ 625
Facility Related	$ 375,410
Insurance	$ 181,654
Licenses/Software	$ 22,690
Others	$ 100,871
Freight	$ 0
Employee Relations	$ 29,676
Total Indirect Expenses	**$ 4,125,646**
Profit/(Loss)	**$ 419,922**

Koteswara Rao Sadineni CMA, CPA. Director – Finance (SIG)

CRAIG A. SMITH & ASSOCIATES, LLC.
Balance Sheet As on 12.31.2024

Particulars	Amount ($)
Assets	
Current Assets	
Cash	$ 422,123
Accounts Receivables-Billed	$ 1,640,809
Accounts Receivables-Unbilled	$ 8,522
Notes/Other Receivables(Internal/External)	$ 45,701
Total Current Assets	**$ 2,117,155**
Fixed Assets	
Automobile/Vehicles	$ 584,335
Furniture and Fixtures	$ 41,074
Computers and Equipment	$ 1,231,152
Licenses and Software	$ 142,801
Less Amortization/Depreciation	$ (1,904,377)
Total Fixed Assets	**$ 94,985**
Non-Current Assets	
Goodwill	$ 457,922
Other Non-Current Assets	$ 6,356
Loans and Advances	$ 100,000
Total Non-Current Assets	**$ 564,278**
TOTAL ASSETS	**$ 2,776,417**
Liabilities	
Current Liabilities	
Accounts Payable	$ 508,072
Accrued Benefits - Fringe and payroll and other payables	$ 202,535
Current Loan Payable	$ -
Total Current Liabilities	**$ 710,607**
Non-Current Liabilities	
Loans - Bank/External	$ 1,062,500
Capital Leases	$ 495,944
Total Non-Current Liabilities	**$ 1,558,444**
Shareholders Equity	
Stock - Common	$ 1,000
Earnings	$ 506,367
Shareholders Equity	**$ 507,367**
TOTAL LIABILITIES	**$ 2,776,417**

Koteswara Rao Sadineni CMA, CPA. Director – Finance (SIG)

TAB - J

Legal Proceedings and Performance

CRAIG A. SMITH & ASSOCIATES
A SMART-INFRASTRUCTURE COMPANY

February 16, 2026

City of Hollywood
2600 Hollywood Blvd Suite 303
Hollywood, FL 33020

Re: Response to RFQ-365-26-JJ Engineering Services for Stormwater Pump Station #16 – Jackson to Jefferson Street along SR A1A

Dear Selection Committee,

Craig A. Smith & Associates, LLC ("CAS") hereby submits the following disclosures in response to the requirements of RFQ-365-26-JJ.

Liquidated Damages / Termination for Default
CAS certifies that, within the past five (5) years, the firm has not paid liquidated damages and has not been terminated for default, non-performance, or delay on any contract.

Litigation and Arbitration Disclosure
CAS certifies that within the past five (5) years, the firm has not been a party to any litigation or arbitration involving:

1. Any public entity in the State of Florida for any amount; or
2. Any private entity for an amount exceeding One Hundred Thousand Dollars ($100,000).

Accordingly, there are no arbitrations or lawsuits to report under this section. CAS also certifies that there are no pending or threatened legal, regulatory, contractual, or arbitration matters that would adversely affect the firm's ability to perform the professional services contemplated under this RFQ.

Other Proceedings (Labor and Safety)
Within the past five (5) years, CAS has not been the subject of any lawsuits, administrative proceedings, or hearings initiated by the National Labor Relations Board (NLRB) or any similar state agency concerning labor practices. Additionally, CAS has not been the subject of any lawsuits, administrative proceedings, citations, or hearings initiated by the Occupational Safety and Health Administration (OSHA) concerning project safety practices during the past five (5) years.

Accordingly, there are no matters to report under this subsection.

Bankruptcy Disclosure
Neither CAS, nor its parent company, have had a bankruptcy petition filed in its name, whether voluntarily or involuntarily.

Contract Termination Disclosure
CAS certifies that no contract to which the firm was a party has been terminated by another party for cause, default, non-performance, or delay during the past five (5) years.

Criminal Activity Disclosure
Within the past five (5) years, neither CAS, nor its officers, partners, key personnel, subsidiaries, or parent company have been involved in or convicted of any criminal activity related to the services described in this RFQ. There have

been no criminal convictions involving dishonesty, antitrust violations, unfair competition, or any other matters that would impact the firm's ability to perform the requested services.

This record reflects CAS's longstanding commitment to professional integrity, regulatory compliance, sound risk management, and successful project delivery for public and private clients throughout the State of Florida.

Sincerely,

Craig A. Smith & Associates, LLC

Stephen C. Smith, P.E.
President

THANK YOU

Submitted To:
Procurement Manager
2600 Hollywood Blvd
Suite 303
Hollywood, FL 33020

Submitted By:
Craig A. Smith & Associates LLC
1425 E Newport Center Dr,
Deerfield Beach, FL 33442
Ph: (954) 782-8222