REQUEST FOR **INFORMATION**

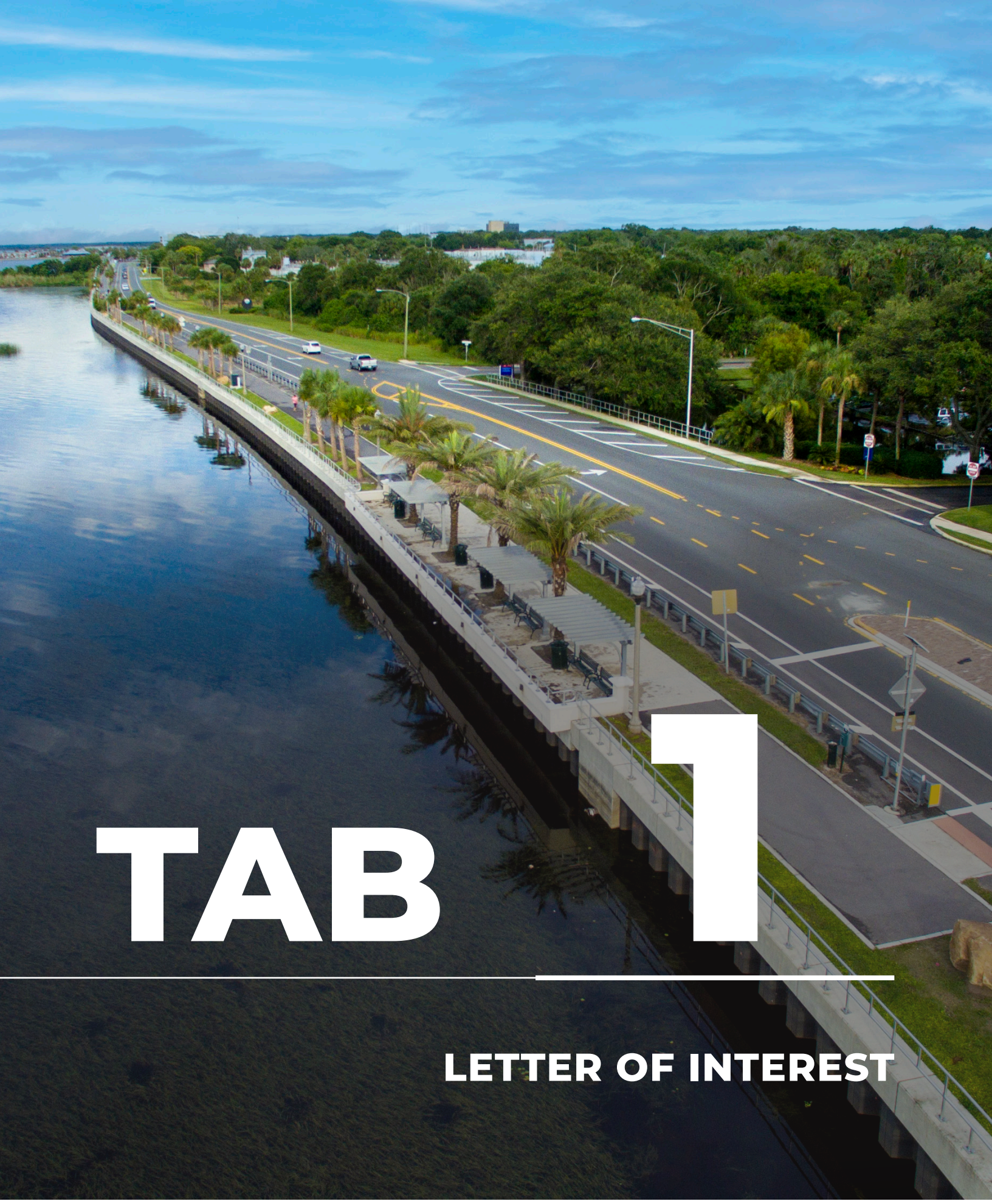
ENGINEERING CONSULTANT AND DESIGN SERVICES

DUE DATE: 05.14.2025 | RFI No. 25-09

CPH Consulting, LLC | 5601 Mariner Street, Suite 105, Tampa, FL 33609
813.288.0233 | info@cphcorp.com | www.cphcorp.com

Contact Person: Mimi Falcon, P.E.; mimi.falcon@cphcorp.com

TABLE OF CONTENTS



TAB 1

LETTER OF INTEREST

1 LETTER OF INTEREST

May 12, 2025

City of Madeira Beach
Public Works Department
300 Municipal Drive
Madeira Beach, FL 33708

5601 Mariner Street, Suite 105
Tampa, FL 33609
Phone: 813.288.0233
Fax: 813.288.0433

RE: **ENGINEERING CONSULTANT AND DESIGN SERVICES | RFI NO. 25-09**

Dear Selection Committee Members,

CPH is pleased to respond to the City of Madeira Beach's Request for Information for the "Engineering Consultant and Design Services" continuing contract. It would be our pleasure to provide the City with all services outlined in the RFI's Scope of Work, and we are certain that CPH exceeds the City of Madeira Beach's qualification requirements for the following reasons:

CPH's Ability to Meet the City's Requirements is Unmatched: CPH is a multi-disciplinary architectural and engineering firm recognized for providing superior quality services to our clients in an efficient and effective manner. CPH has been providing consulting services for over 40 years; we believe that this experience is imperative to successfully execute the wide variety of projects that this contract may include. With a local office in Tampa and support staff members in Sarasota and throughout Florida, CPH is eager and ready to provide services for any project under this contract. We have an available staff of 420+ personnel and are ready to serve the City.

Experience: CPH has assembled a vastly diverse and highly qualified team with experience in all discipline areas requested by the City. Our team is capable of providing services for every project that will emerge under this contract. CPH realizes and understands that each project has its individual characteristics and will need specialized expertise. Therefore, CPH has assembled a team composed of engineers, architects, landscape architects, environmental scientists, contractors, inspectors, surveyors, and administrative staff; which will bring a significant assortment of knowledge to any project we take on. CPH has experience in areas such as: roadway design, stormwater management, utility design, structural analysis, transportation, planning, and environmental services. We have worked with many of our clients for 40+ years. These long-term relationships have afforded us many opportunities to meet our clients' needs and perform municipal engineering services. Our team has extensive experience in working under continuing contracts and is available for planned projects as well as unplanned emergencies.

CPH's Local Availability and National Support: CPH has team members located 35 minutes away from the City at 5601 Mariner Street, Tampa, FL 33609. These staff members have active working experience in and around the local region. Our team is very familiar with local conditions and design guidelines.

We appreciate the opportunity to submit our qualifications and look forward to working with and supporting the City and Staff in any way we can.

CPH acknowledges receipt of Addendum #1 & #2.

MULTI-DISCIPLINARY FIRM WITH EXTENSIVE IN-HOUSE RESOURCES

420+ CPH PERSONNEL AVAILABLE TO START WORK IMMEDIATELY

LOCAL STAFF WITH EXTENSIVE EXPERIENCE

Sincerely,
CPH Consulting, LLC

Authorized Representative: David E. Mahler, P.E. | Chief Operating Officer - Infrastructure

P: 407.425.0452 | info@cphcorp.com

TAB 2

PROJECT SPECIFIC STATEMENT OF QUALIFICATIONS AND PROFILE OF FIRM

2 PROJECT SPECIFIC STATEMENT OF QUALIFICATIONS AND PROFILE OF FIRM

CPH prides itself in its capability to provide quality and innovation for design and construction. In every aspect of the business, CPH takes pride in providing timely, cost-effective, and appropriate engineering services to support its clients and help them achieve their objectives. Known as a leading multi-disciplinary consulting engineering firm, CPH provides services in the following areas:

- Master Planning
- Engineering Services (Civil, Structural, and Utilities)
- Architectural Services /Interior Architecture/Landscape Architecture
- Water/Wastewater/Reclaimed/Stormwater Systems
- Hydraulics and Hydrology
- Environmental Sciences
- Transportation Engineering, including Traffic Planning and Design
- Land Planning/Zoning
- Construction Engineering and Inspection/Construction Management
- Surveying & Mapping
- Other related fields

The Firm has been providing services throughout Florida since the late 1950s through our predecessor firm, and the Firm has been established since 1981. In keeping with the company's philosophy to assure responsive and cost-effective service, CPH has grown, with branch offices housing approximately 420+ employees in Florida, Maryland, North Carolina, South Carolina, Wisconsin, Connecticut, and Puerto Rico. The firm's Headquarters are located in Sanford, Florida. CPH's commitment to providing the highest level of service in an affordable manner has been achieved through emphasis on personalized services and direct involvement of top-level CPH personnel.

BENEFITS OUR TEAM BRINGS TO THE CITY

CPH is extremely well qualified to provide services to the City of Madeira Beach. The team has provided services for numerous similar Clients under continuing service contracts. As a result, the team understands the need to provide quality responsive services and is staffed to provide services for planned tasks as well as unplanned emergencies. The CPH team is a clear choice for the City and is committed to provide the same level of quality and professionalism as we have provided all other clients.

- ☑ 44+ Year History in Architecture/Engineering | Since March 1, 1981
- ☑ Strong History and Working Relationships in Florida and Nearby Municipalities
- ☑ Proven Ability to Meet Budgets and Schedules
- ☑ 420+ Staff Members with Available Workload to Start Immediately
- ☑ Diverse team providing a majority of the scope items in-house, controlling schedule, quality, and budgets more effectively and on a consistent and timely basis

CPH AREAS OF SERVICE

CONTINUING CONTRACT EXPERIENCE

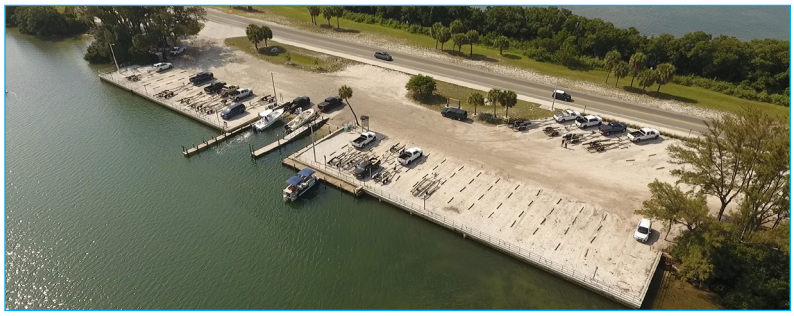
CPH is a multi-disciplined A&E firm that has provided services to clients for over 40 years. The firm's services include architecture, engineering (civil, transportation/traffic, mechanical/electrical/plumbing, structural, and utility), interior design, landscape architecture, planning, survey, environmental, and construction administration. CPH has an extensive portfolio in the design of public projects, with expertise in treatment plants, pump stations, educational and public safety complexes, roads/streetscapes, parks and recreation, trails, and infrastructure improvements. **CPH is recognized as one of the nation's top 500 design firms, one of the nation's top 300 architectural firms, and has maintained a strong presence in Florida and the local region for over 40 years.**

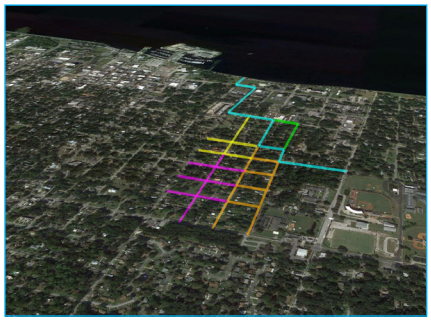
We have worked with many of our clients for 40+ years, with a select few dating back to as early as the late 1950s. These long-term relationships have afforded us many opportunities to meet our client's needs and perform municipal consulting services. Our team has worked as an extension of our client's staff to deliver expertise from initial budgeting and capital planning through construction for municipal projects. Our expertise and in-house capabilities provide our clients a wide breadth of licensed professionals. **CPH's multi-disciplinary approach allows our team to be thorough in assisting our municipal clients and adaptable to their shifting needs.** In addition, CPH has been able to assist when the workload at City departments exceeded their capability to complete reviews in a timely fashion. The team has extensive experience in working under continuing contracts and is available for planned projects as well as unplanned emergencies.

		RELEVANCE TO SCOPE														
CLIENT	SINCE	Engineering	MEP	Architecture	Transportation	Traffic/Roadway	Survey	Utilities	Environmental	Permitting	Landscape Architecture/Planning	Civil/Stormwater/ Drainage	CEI/Construction Administration	Structural	GIS	Public Outreach
City of Tampa	2008	✓			✓	✓	✓	✓	✓	✓			✓	✓		
Hillsborough County	2009	✓	✓		✓	✓	✓		✓	✓	✓	✓	✓	✓		✓
Pasco County	2017	✓	✓	✓	✓	✓	✓		✓	✓				✓		✓
Manatee County	2004	✓				✓	✓		✓	✓	✓	✓	✓	✓	✓	
City of Sarasota	2014	✓	✓	✓	✓		✓		✓	✓	✓		✓	✓		✓
City of Punta Gorda	2008	✓			✓		✓	✓	✓	✓	✓	✓	✓	✓		
City of Largo	2012	✓			✓	✓	✓	✓	✓	✓	✓		✓	✓		✓
City of Orlando	1984	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
City of Sanford	1958	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
City of Casselberry	1965	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
City of Lake Mary	1975	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Volusia County	1974	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

TECHNICAL EXPERTISE

CPH employs approximately 420+ individuals among its 19 Florida, Georgia, South Carolina, North Carolina, Wisconsin, Connecticut, Maryland, and Puerto Rico locations. Members of the CPH team include project administrators, designers, engineers, and design technicians. The CPH Team includes over 85 licensed engineers, 7 licensed architects, 3 licensed landscape architects, 15 licensed surveyors, 67 technical support staff, and 73 administrative staff.





85+ LICENSED ENGINEERS

7 LICENSED ARCHITECTS

3 LICENSED LANDSCAPE ARCHITECTS

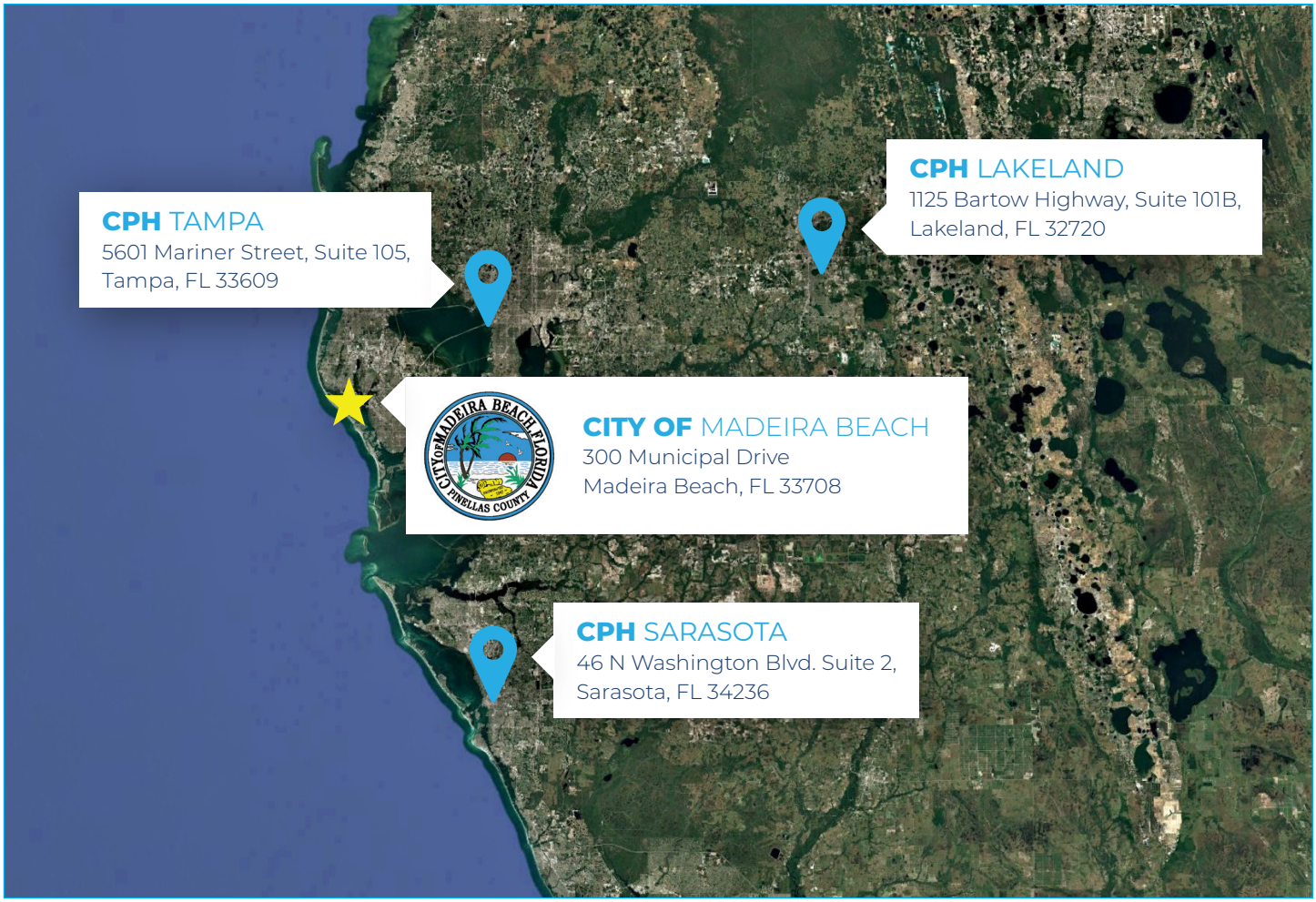
15 LICENSED SURVEYORS

67 TECHNICAL SUPPORT

73 ADMINISTRATIVE STAFF

OFFICE LOCATION

CPH has 19 offices throughout the United States with support of approximately 420+ personnel throughout the company to assist in the projects for City of Madeira Beach. The City will have the direct commitment of the CPH Tampa office located at 5601 Mariner Street, Suite 105, Tampa, FL 33609, supported by staff members in the Sarasota and Lakeland offices. The Tampa office is staffed with employees that include registered personnel, technical and administrative staff, and leaders of the firm to accomplish all projects on time and within budget.



OFFICE LOCATION	APPROXIMATE DISTANCE FROM THE CITY
CPH TAMPA (RESPONSIBLE OFFICE)	22.4 Miles (35 Minutes)

PROJECT TEAM COMMUNICATION

CPH has assigned a primary point of contact for the City of Madeira Beach on this contract. Mimi Falcon, P.E. will be the main point of contact for City staff and will coordinate individual project teams for assigned projects as needed. Clear communication and the ability to "hit the ground running" are key aspects of the CPH team's approach to providing successful services for the City of Madeira Beach. As program manager, Mimi Falcon, P.E., will interact with the City on a bi-weekly/monthly basis (as required) to ensure the team is staffed and ready to take on any assigned project and develop an internal "program schedule."

SUB-CONSULTANT QUALIFICATIONS

DRMP, Inc.

Role: Stormwater Engineering, Structural Engineering, & SUE

15310 Amberly Drive, Suite 310
Tampa, FL 33647

TECHNICAL BACKGROUND & EXPERIENCE INFORMATION

DRMP's Structural Division is responsible for all aspects of structural design including bridges, seawalls, retaining walls, bridge evaluation and restoration, and other structure design concepts. We carefully take each task assignment from the conceptual/planning phases through design and construction oversight. DRMP has extensive bridge design capabilities and we are fully prequalified with the FDOT in Work Groups 4.1 and 4.2. In addition, our structural engineers are design specialists who creatively resolve specific planning, permitting, and design challenges from simple to complex structural elements for our clients, including private, local municipalities, and the FDOT.

Moreover, DRMP is an experienced SUE provider and can navigate various challenges in the SUE process, such as right-of-way access, traffic control, resource availability, utility depth, and environmental factors. Adhering to ASCE and FHWA guidelines, DRMP offers Quality Levels of service and employs equipment like Ground Penetrating Radar and vacuum excavation for precise utility locations. DRMP ensures comprehensive utility mapping using GPR, EM equipment, and surveying tools by operating two local crews: the designating crew, who are equipped with state-of-the-art locating equipment, and the vac-crews, who will accurately locate each line horizontally and vertically by performing a test hole using air-vacuum excavation equipment.

Wekiva Engineering, LLC

Role: Marina Facility Enhancements

1320 Wilfred Drive
Orlando, FL 32803

TECHNICAL BACKGROUND & EXPERIENCE INFORMATION

Wekiva Engineering, LLC (Wekiva) provides structural engineering services to an array of industry sectors which include Public works projects, water and wastewater facilities, solid waste facilities, and commercial buildings. Our highly experienced and talented engineers have been providing cost-effective solutions and exceptional results for our clients throughout the Southeastern United States. Our experience also allows us to solve engineering problems with simplicity and innovation. We are very proficient in the various applicable design and building codes allowing us to apply effective and proper solutions early in the design stage. In addition, our engineers frequently work with contractors providing value engineering ideas and solutions. This allows us to be intimately involved with the entire process of a structures' evolution from conception to final construction activities.

Being a small, local company that is centrally located in the State of Florida, we are uniquely capable of providing responsive and quality engineering structural engineering services to our local communities and municipalities throughout the west and east coast of Florida. Our engineers have performed work for multiple municipalities over the past several years including but no limited to structural engineering services to The City of Clearwater, Pinellas County, Hillsbrough County, City of Tampa, City of St. Petersburg, Gulfport, City of of Tarpon Springs, City of Dunedin, City of Sarasota, The City of Bradenton and The City of Northport.

Quest Corporation of America, Inc.

Role: Public Outreach

17220 Camelot Ct
Land O Lakes, FL 34638

TECHNICAL BACKGROUND & EXPERIENCE INFORMATION

Founded in 1995, Quest Corporation of America, Inc. (Quest) is a woman-owned community engagement firm with a highly respected reputation for serving public-sector clients throughout Florida and nationally. Locally headquartered in Land O' Lakes, Pasco County, Quest is DBE / WMBE certified and provides full-service communications and public outreach services, including an award-winning creative design and innovative technologies team. Quest has spearheaded public involvement for hundreds of projects throughout the state of Florida, as well as numerous infrastructure, multimodal, complete streets, safety, and transportation planning, environment, design, and construction projects in West Central Florida, including Pinellas County and its Cities.

The City of Madeira Beach is unique due to its economic importance, high traffic volume, multimodal significance, and coastal environment. The area includes tourist attractions, beaches, recreational parks, commercial zones, and suburban neighborhoods. With wide-ranging experience working with the community on road improvement, multimodal, safety, complete streets, and community projects, Quest will serve as an extension of CPH and the City's Public Information Office, supporting coordination of all community engagement activities uniquely required for this area.

Quest recognizes the vital role of public involvement and will ensure each project meets all requirements of the City's communications plan. Quest will provide all public involvement documents to key project staff within the agreed-upon time for quality control and review. All efforts will include complying with Title VI requirements and documentation.

AREHNA | Engineering, Inc.

Role: Geotechnical Engineering

5012 W Lemon Street
Tampa, FL 33609

TECHNICAL BACKGROUND & EXPERIENCE INFORMATION

AREHNA Engineering, Inc. is a geotechnical engineering and materials testing firm with an experienced staff of engineers, who work closely with clients and project design teams, carefully consider project information, and provide the most cost-effective solutions to the challenges faced on each project. AREHNA's project experience includes many thousands of geotechnical engineering and materials testing projects, including roadway improvement, bridge replacements, complete streets, parks, trails, as well as safety and bike and pedestrian, stormwater and drainage projects for Madeira Beach, Pinellas County, District Seven, FDOT, as well as other Counties and Cities throughout the State.

AREHNA, prequalified in FDOT Work Groups: 9.1, 9.2, 9.3, 9.4.1, 9.4.2, 9.5 and 10.3, has a full service geotechnical and construction materials testing laboratory, which is AASHTO accredited, USACE validated and FDOT approved. AREHNA's in-house drilling and coring capabilities gives us control of our schedule and the ability to meet the most aggressive project schedules. AREHNA is a Certified Small Business Enterprise (SBE) with Pinellas County, a State of Florida Certified Minority Business Enterprise (MBE) and Disadvantage Business Enterprise DBE and SBE with the FDOT.

MADEIRA BEACH EXPERIENCE

- Engineering, Mapping & Architectural Services Prime
- Continuing Engineering Consultant and Urban Design Services
- Continuing Services Geotechnical Support Task Order Contract
  - » End Parking Lot Improvements, Madeira Beach, Florida
- Hubbard's Marina Facility, Madeira Beach, Florida
- 14094 North Bayshore Drive Design-Build, Madeira Beach, Florida

Raftelis Financial Consultants, Inc.

Role: Rate Studies

341 N Maitland Ave Suite 300
Maitland, FL 32751

TECHNICAL BACKGROUND & EXPERIENCE INFORMATION

Raftelis was incorporated in the State of North Carolina in 1993, and has the most experienced utility and financial management consulting practice in the nation. Currently the firm consists of seventeen offices located nationwide with over 140 employees dedicated solely to providing financial, rate, and management consulting services to the public utility and municipal government sector. Our staff has assisted more than 1,000 utilities across the U.S., including some of the largest and most complex agencies in the nation. In the past year alone, Raftelis has worked on more than 600 financial / organizational / technology consulting projects for over 450 water, wastewater, stormwater, and / or solid waste utilities in 40 states, the District of Columbia, and Canada.

In 2019, Raftelis acquired Public Resources Management Group, Inc. ("PRMG"), a firm very similar to Raftelis with extensive utility rate, management and financial experience in Florida. The firm performed over 2,750 projects to over 150 public-sector clients prior to the acquisiton, and since 2011 focused primarily on water, wastewater, reclaimed water and solid waste rate and financial consulting servcies.

Raftelis is registered with the U.S. Securities Exchange Commission (SEC) and the Municipal Securities Rulemaking Board (MSRB) as a Municipal Advisor. Registration as a Municipal Advisor is a requirement under the Dodd-Frank Wall Street Reform and Consumer Protection Act. All firms that provide financial forecasts that include assumptions about the size, timing, and terms for possible future debt issues, as well as debt issuance support services for specific proposed bond issues, including bond feasibility studies and coverage forecasts, must be registered with the SEC and MSRB to legally provide financial opinions and advice. Raftelis' registration as a Municipal Advisor means our clients can be confident that Raftelis is fully qualified and capable of providing financial advice related to all aspects of utility financial planning in compliance with the applicable regulations of the SEC and the MSRB.

Raftelis provides trusted expertise, coupled with a focus on innovation, to help utilities and public sector organizations function as high-performing sustainable entities.

ORGANIZATIONAL CHART

CPH has assembled a vastly diverse and highly qualified team with experience in all discipline areas requested by the City of Madeira Beach. Our team is able to begin work on an immediate basis with ready accessibility to the City, and is capable of providing services for every project that will emerge under this contract. The CPH Team Organizational Chart (provided below) depicts the overall reporting and communication hierarchy as well as project roles and responsibilities in relation to the City's scope of services.

Mimi Falcon, P.E.
PROGRAM MANAGER

Kurt R. Luman, Jr., P.E.
MARKET DIRECTOR &
PRINCIPAL-IN-CHARGE

TRANSPORTATION & TRAFFIC
Kurt R. Luman, Jr., P.E.
Sandra L. Gorman, P.E.
Kenneth Spitz, AICP

CIVIL & STORMWATER
H. Larry Wray, P.E., CFM
Natalie Shaber, P.E.
Tyler Fitzgerald, P.E.
Scott Garth, P.E., LEED AP ND (DRMP)
John Huryn, P.E. (DRMP)

UTILITIES
Casie O. Brown, P.E.
Kayla Lockcuff, P.E.

ARCHITECTURE
John M. Lenti, AIA, NCARB, ENV SP, LEED AP
Brook K. Sherrard, AIA, NCARB

LANDSCAPE ARCHITECTURE & PLANNING
Galen Pugh, RLA, AICP
Danita Bryant, PLA
Frank N. Imbruglia
Katherine N. Shafer, AICP

STRUCTURAL
Jose M. Ortiz, MCE, P.E., S.E.
Christopher Snee, P.E. (DRMP)

MEP
Christopher DeWaal, P.E., LEED AP
Jeffrey A. Deal, P.E.

SURVEY
Thomas J. Galloway, PSM
Paul J. Katrek, PSM

ENVIRONMENTAL
Amy E. Daly, LEED AP
David A. Landers

GIS
Emily Rempe

CEI
Rocco R. Nasso, P.E.
Clint T. Iannotti

SUE
Tom Yocom, PSM, PLS (DRMP)

MARINA FACILITY ENHANCEMENTS
John V. Sobczak, P.E. (Wekiva)
David S. Morris, P.E. (Wekiva)

GEOTECHNICAL
Jessica McRory, P.E., LEED AP (Arehna)
Kevin M. Hill, P.E., PMP (Arehna)

PUBLIC OUTREACH
Davida A. Franklin (Quest)
Bryce C. Johns (Quest)
Lisa Lawrence (Quest)
Ivan Rodriguez (Quest)

RATE STUDIES
Thierry Boveri, CGFM (Raftelis)
Mark Tuma (Raftelis)

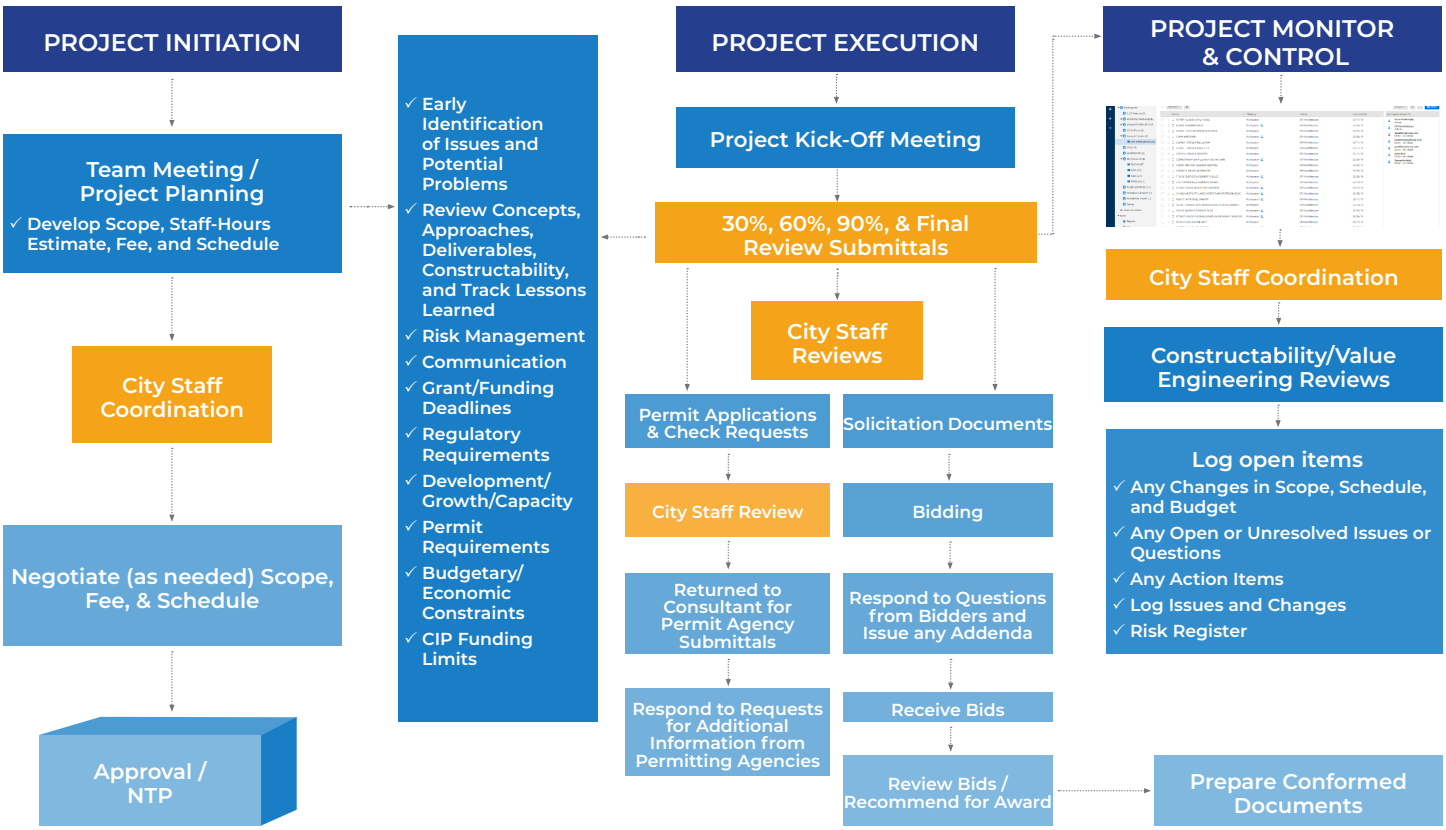
TAB 3

SERVICES APPROACH

3 SERVICES APPROACH

CPH's approach to providing services to the City of Madeira Beach will be a collaborative effort between the consultant team, City staff from different departments, officials and the public. Communication protocols will be established between all parties to develop an understanding of the City's goals and budget to assist in the development of specific scopes and schedules to complete projects assigned through the continuing services contract. Critical attention will be focused on the planning, conceptual design, implementation, maintenance, quality assurance, communication and management of each assignment assuring that completed projects exceed expectations.

CPH understands that the City of Madeira Beach is seeking a qualified consulting firm to provide on-going design and construction services for continuing contracts. CPH will provide the City with unmatched expertise and resources for projects under this contract. CPH can provide the City with services required for the design/construction/repair of project(s) which may include, but is not limited to, conferences, consultation and preparation of studies, working drawings, preliminary design, specifications, estimates, drawings, modeling, design, drafting of bids/proposals, construction administration, cost planning, inspection, testing, site analysis, bidding/selection recommendation, presentation/ recommendation to Staff and/or Commission, etc. Our resumes and the professional histories of the various team members clearly demonstrate a vast and broad background of experience which will be effectively applied to the City's benefit. CPH is highly qualified to provide continuing services for the City's projects.



The following outlines our past successful approach that has been implemented on services projects. Each project is unique, and this approach would be refined per project requirements.

Phase I – Initiation

- **Initial Request –** The City provides CPH with a request for professional services for a specific project.
- **Project Team Assembled –** Based upon project requirements, the Project Manager will assemble the appropriate professional disciplines and staff.
- **Proposal Meeting –** The project manager will schedule a Proposal Meeting to meet City staff to review the project scope of work, goals, design criteria and constraints.
- **Definition of Scope and Notice to Proceed –** Based upon the information gathered during the proposal meeting, a defined scope of work and proposal with a time and fee schedule will be prepared. This proposal will be submitted to the City for review, comment, and execution. Work will begin immediately upon a written notice to proceed.

Phase II – Analysis and Due Diligence

- **Collected Data –** Review and study the collected drawings and documents supplied by the City and others for incorporation into the design process.
- **Codes and Standards –** Review and study related jurisdictional codes and standards as they pertain to the project classification.
- **Site Survey –** Pursuant to project requirements, obtain boundary and/or topographic survey information and prepare a survey based on State Plane, NAD 83 and vertical coordinates based on NGVD.
- **Utilities –** Obtain utility services information for inclusion on the site survey drawing.
- **Tree Survey –** Obtain tree survey information when required.
- **Wetlands –** Establish and survey jurisdictional wetland boundaries when required.
- **Soils Analysis –** Review and study available soils maps and data.
- **Hydrology Study –** Prepare existing condition hydrology study when required.
- **Environmental Impact Study –** Prepare phase 1 Environmental Impact Study when required.
- **Space/Needs Analysis –** Meet with City staff to determine space/needs requirements for building improvements and prepare a written report for review and comment.
- **Program Development –** Meet with City staff and other interested parties such as athletic associations or leagues, user groups, seniors, etc. to gather and prioritize project program elements.
- **Site Analysis Documents –** Prepare drawings and/or reports summarizing the investigative findings.
- **Presentation –** The Site Analysis Documents, Space/Needs Analysis and/or Program Development priority list will be submitted and presented to the City of Madeira Beach for review and comment.

Phase III – Conceptual Design Services

- Based upon the City's response to the presentation element, CPH will prepare design concepts for the proposed project.
- Based on the City's comments and input from any required public meetings, CPH will prepare a final conceptual plan for acceptance by the City.

Phase IV – Design Development

- Based on the approved conceptual design, CPH will prepare project drawings and documents that will be approximately 60% complete. Drawings will be as required by the project type and may include architectural, structural, civil, mechanical, electrical, plumbing, and/or landscape packages. CPH will compile a Project Status Report, based on the accomplishments of the preliminary services. The drawings will be submitted to the City for review and comment.

- When appropriate to the project, CPH will prepare a drawing indicating soil boring locations for geotechnical testing. This information will be submitted with the preliminary plan for review and authorization to proceed with geotechnical testing.
- CPH will customize our construction cost-estimating documents for the project and will prepare a preliminary cost estimate. The cost documents will be used throughout the project to monitor construction cost and to attach costs to various alternatives.
- CPH will meet with the necessary regulatory agencies and conduct a "pre-submittal" presentation. The project alternatives will be presented and we will gain knowledge of the agencies' concerns and expectations.
- CPH will prepare and submit a preliminary technical specifications package based on the 60% package.

Phase V – Construction Documents Services

- CPH will incorporate comments obtained from the City's review, the public involvement process, our internal review and regulatory agencies into the project design to finalize the construction drawings.
- CPH will refine the design and the Project Status Report will be revised to include progress of the project and delineate issues of concern, and decisions that need to be made.
- The cost estimate will be updated and revised to reflect changes to the plan.
- A permitting package will be prepared and sent to all of the regulatory agencies. Meetings will be conducted with the regulatory agencies and their comments will be addressed and incorporated into the drawings.
- 90% construction drawings, specifications and cost estimate, will be submitted to the City for a second review.
- Upon approval of the 90% per construction documents and receipt of the comments from the City, the public, our internal review and the regulatory agencies, the 100% construction documents will be finalized and submitted to the City for bidding.
- The cost estimate will be updated based on unit price bid quantities.

Phase VI – Bidding Services

- CPH will assist the City in preparing bid advertisements and packages.
- CPH will provide the City with the interpretation of the intent of the construction documents throughout the bidding process. All responses to questions will be recorded in writing and distributed to the City and prospective bidders.
- During the bid process, if requested by the City, a pre-bid meeting will be conducted with prospective bidders to receive questions and comments. CPH will respond to all questions and comments in writing via the issuance of an addendum.
- CPH will revise the bid documents and prepare bid addenda as required.
- CPH will be present for the bid opening and will assist the City in evaluating all bids submitted, including compliance with the construction documents, project budget, ability of the contractor to perform the work, etc.
- Based on the review of the bids and contractor qualifications, CPH will recommend the lowest qualified bidder to the City.

Phase VII – Construction Administration Services

During construction, CPH can provide construction administration services to represent the City as its Contract Administrator for projects as agreed upon with the City of Madeira Beach. Specific services typically include:

- The interpretation of drawings and specifications and issuance of instructions to the contractor performing the work.
- The review and approval of contractor's submittals.
- Periodic construction reports, based upon site inspections. Construction observation forms will be completed by the CPH representatives and will be included in the reports. Issues of special concern will be promptly identified and the Project Manager and the City will be notified. The frequency of inspections will be based on project requirements and determined in the scope of work specific to each project.

- Issue field directives, respond to contractor's request for information (RFI), issue supplementary instructions and clarifications and negotiate change orders as required.
- Review monthly contractor pay requests and supporting data, based on field observation visits, review of test results and contractors performance and recommend approval or disapproval to the City. Record construction drawings will also be reviewed with pay requests to insure the contractor is keeping up with recording modifications to the drawings.
- Make a substantial completion inspection and develop a punch list of items that the contractor is to complete in order to receive final payment.
- Make a final inspection to insure the punch list items have been completed to the satisfaction of the City.
- Upon the successful completion of the punch list items by the contractor, CPH team members will review the final pay request and support data for recommendation to the City.
- CPH will receive the record construction drawings from the contractor and incorporate the information provided into record as-built drawings.
- CPH will conduct a warranty inspection after eleven months from final acceptance of the project, and submit a written report and/or punch list of items needing attention.

Managing Budgets, Risks, Schedules, and Expectations

The key to successful management of continuing contracts and projects, is to ensure that project challenges and risks are identified early, and a plan is developed to ensure the City's goals are achieved. CPH has developed a process in which when our clients notify us about a potential project, our Program Manager and any lead project engineer perform upfront due diligence. This includes performing a field visit to understand the project, limitations, opportunities, the overall area, etc. From this visit, we then brainstorm ideas for possible solutions, as well as a risk register that outlines concerns that may affect the project's schedule and budget. This register is then presented, along with our preliminary findings from the field as well as any desktop data we may be able to obtain to the City's PM in a preliminary discussion about how to approach the project. From this meeting, the team then defines and creates a scope of services and man-hours. This extra legwork by the CPH team saves our clients time and money, as well as minimizes scope creep. This process allows us to begin with cost savings in mind even before a notice to proceed is ever issued, and makes sure our expectations of project outcomes are aligned with the City.

As we continue through the design, the risk register is updated for the project. This could include new additions such as funding deadlines, community concerns, etc. or a verification that an item has been "solved". Throughout the life of the project, our team will communicate these items to the City, to help the City understand what and how items impact the projects cost and schedule. Each risk is given a priority level in relation to its effect on the project, and as any major risk is identified our team will immediately coordinate with the City. This could be something such as an environmental or geotechnical/soils concern from any preliminary data gathering, to feedback from the community that may affect the proposed design option such as the need for easements. This level of coordination is tracked through our internal project management programs and sheets.

QUALITY CONTROL PLAN

CPH has an established corporate culture that places emphasis on quality control and assurance for our clients. The firm and team members are dedicated to this process and incorporation of good design and construction practices from the inception of projects. CPH's corporate quality initiatives include developing a quality control/assurance standardization committee, benchmark reviews by experienced, qualified technical personnel, and means and methods quality reviews by licensed general and utility contractors. The team routinely meets with clients to conduct completed project reviews to evaluate team performance and identify opportunities to enhance service.

CPH's established corporate culture is instilled in every team member and requires that the staff act as an extension of our clients staffing, providing them with services that are on time, within budget, cost effective, and of the highest level of quality. CPH has Standard Operating Procedures (SOP) for all of our major programs (transportation, infrastructure, utilities, stormwater, commercial, residential, and municipal) that include project management techniques, cost estimating, design alternative reviews, subconsultant design reviews, and client communication requirements.

Four Level Quality Control Review System

CPH's quality control system is separated into four (4) distinct levels described as follows:

1. **Project Manager QA/QC Review:** CPH project managers are trained to review all documentation, including information received from the client, other agencies, subconsultants, and internal drawings and specifications. This is the first step in assuring accurate information and proper project design. The project manager is responsible for reviewing the project for accuracy and required changes.
2. **Technical Review Committee Member QA/QC Review:** Throughout the design phase, starting from inception, CPH provides one to two team members who will work with the project manager and designer to review areas of concern and offer additional technical expertise. This person is not involved in the daily design facets, but is kept up-to-date through the use of monthly design updates. The technical review committee provides a quality check of various design options, plans, and other construction documents at the 30%, 60%, 90%, and 100% completion intervals.
3. **"Full Field" Of QA/QC Review:** At the 30%, 60%, and 90% stages of the design, the project documentation and specifications are turned over to engineers from other fields to review alternative options and quality of plans. For example, an infrastructure project will be turned over to an independent engineer in our roadway or utility department. This provides a complete internal audit from personnel that have not been involved in the project and are seeing the project for the first time.
4. **Contractor/Inspector QA/QC Review:** In addition to engineers and construction personnel, the team has the added value of having on-staff licensed general and utility contractors that can review projects from various perspectives. With experienced personnel that have provided construction services for over 30 years, we are able to review the project from a constructability and/or means and methods viewpoint. In addition, the licensed, on-staff contractors review projects and provide "real-time" cost estimates throughout the duration of the project. This construction experience allows the team to view projects through the eyes of a contractor with the ability to identify intangible cost factors—elements such as restricted site conditions, specialized equipment requirements, excessive material and labor costs, impacts on schedules, etc. that may not be apparent to a design engineer.

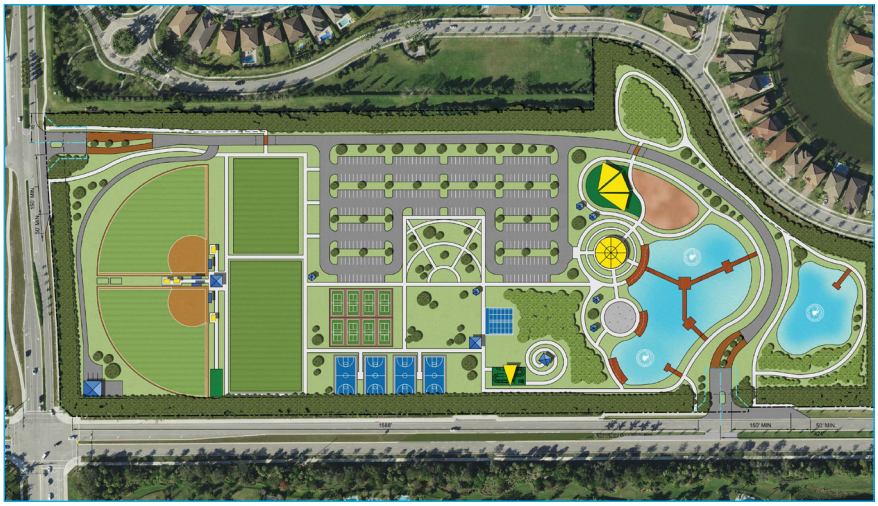
TAB 4

REFERENCES

4

REFERENCES

Wedge Preserve Park - Parkland, FL



CPH provided planning, design, permitting, and construction administration for the development of a new regional community park in Parkland, Florida. The new park is approximately 36 acres and is partially funded through a FDEP grant. As part of the planning process, the team evaluated three distinct options to create an environmental park that merged active with passive recreation. Amenities that were considered include sand volleyball, pickleball, "Bank Shot" basketball course, Ninja Warrior course, trails, water features including environmental overlooks and preserves, softball fields, multi-purpose fields, and playgrounds.

PROJECT COST: $2,800,000 (Design); $30 Million (Est. Construction)

PROJECT SIZE: 36 Acres

PROJECT TERM: 01/2023-01/2026 (Est.)

FIRM ROLE: Prime

CLIENT CONTACT:

City of Parkland

Christine Garcia, Director of Public Works

Address: 6600 University Drive, Parkland, FL 33067

Phone: 954.757.4108

Email: cgarcia@cityofparkland.org

US 17-92 RiverWalk, Phase II - III (FDOT LAP) - Sanford, FL

Phase II - The FDOT LAP project included 1.5 miles of roadway improvements following Complete Street design principles, addition of a 10–14-ft-wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trailhead parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting (pedestrian and roadway). The concept design of the trail necessitated significant coordination with FDOT to gain their support for the necessary variations from department standards, and their approval of the necessary reduction in shoulder widths and use of rectangular rapid flashing beacons (RRFBs) at two mid-block crossings. The design included advanced coordination with SJRWMD and FDEP because of work within sovereign submerged lands, replacement seawall, and a pedestrian bridge. The project included the use of innovative use of best management practices and pervious pavement to minimize the impact of stormwater runoff on Lake Monroe.

Phase III - CPH provided planning, survey, and design services for a 1.7-mile extension to an existing trail. This project followed the complete streets design elements with the provision of a multi-use trail, roadway safety improvements, traffic-calming design, roadway & trail lighting, utility design, structural seawall design, drainage improvements/design, irrigation design, beautification, hardscape and landscape design, scenic overlooks of Lake Monroe, way-finding design, pedestrian mid-block crossings (rectangular rapid flashing beacons), traffic studies, survey, and wetland mitigation.

In addition to the multi-use trail, the roadway safety improvements included the multiple traffic-calming elements to increase safety. These included two roundabouts, three mini-roundabouts, roadway chicaning to incorporate landscaped medians, raised mid-block crossings, bike lanes, and added on-street parking. The two roundabouts created book-end entry features to signify the entrance to the RiverWalk corridor. The single-lane roundabout included a three-leg roundabout with a 120-ft inscribed circle. The two-lane roundabout at the interchange with Interstate 4 included a 180-ft inscribed circle with two right-turn slip lanes. The three mini-roundabouts created entry features to the Central Florida Zoo and two residential neighborhoods, and all included 80-ft inscribed circles with decorative traversable center islands.

CPH services for these projects also included roadway & trail lighting, utility design, structural seawall design, drainage improvements/design, irrigation design, beautification, hardscape and landscape design, scenic overlooks of Lake Monroe, and wetland mitigation. The project included funding through a Local Joint Project Agreement between the City of Sanford, Seminole County, and the FDOT. CPH was also involved with facilitating the transfer of ownership of the US-17-92 corridor within the project limits, from the FDOT to the City of Sanford.

PROJECT COST: $1,895,000 (Design); $32,435,694 (Construction)

PROJECT SIZE: 3.2 Miles

PROJECT TERM: 03/2011-11/2021

FIRM ROLE: Prime

CLIENT CONTACT:

City of Sanford

Brady Lessard, Economic Development Director

Address: 300 N. Park Avenue, Sanford, Florida 32771

Phone: 407.688.5015

Email: brady.lessard@sanfordfl.gov

South Bluford Avenue Complete Street & Utility Improvements - Ocoee, FL

CPH provided comprehensive design and permitting services for the City of Ocoee's Bluford Complete Streets project. Project includes improvements to the roadway, stormwater system and municipal utilities from the intersection of Old Winter Garden Rd. to E. Delaware.

The Complete Street improvements along the corridor include the following elements: Converting the rural road to an urban road with a closed drainage system, roadway dieting, addition of landscape medians, 10-12–wide multi-use path, improved pedestrian crossings, roundabouts at the S. Bluford Ave. and Geneva St. and the S. Bluford Ave. and Maine St. intersections, landscape/hardscape improvements, street- and pedestrian-level lighting, and undergrounding overhead utilities. The utilities component of the project included relocation of approximately 3,500 LF of 12-inch water main; installation of 2,750 LF of new reclaimed water main, 2,600 LF of new 8-inch sanitary sewer; 1,350 LF of new 4-inch sanitary force main; and a new duplex lift station. The utilities installation is within a congested corridor, requiring close coordination and phasing planning between the roadway and utilities design teams to mitigate conflicts and reduce overall project costs.

The project is continuous; however, there are various funding sources, including general City funds, Fifty West Community Redevelopment Area (CRA) funds, and utility funds.

Unique Challenges:

- Project was divided into three components based on funding sources: City of Ocoee Public Works, City of Ocoee Utilities, and the CRA.
- The project required a considerable amount of right-of-way and easement acquisitions, particularly around the roundabout intersections to provide sufficient room.
- Significant development adjacent to the project-required extensive re-work and coordination with multiple shareholders to bring the project to fruition.
- Coordination was also required with multiple private utility companies, as wells the FDOT, where Bluford Ave. crossed over State Road 50 (W. Colonial Drive).

PROJECT COST: $1,590,952 (Design); $13,380,500 (Est. Construction)

PROJECT SIZE: 6,777 LF (Roadway); 3,500 LF of 12-Inch Water Main, 2,750 LF of New Reclaimed Water Main, 2,600 LF of New 8-Inch Sanitary Sewer, 1,350 LF of New 4-Inch Sanitary Force Main (Utility)

PROJECT TERM: 08/2021-TBD (Est. Construction Start: 10/2025)

FIRM ROLE: Prime

CLIENT CONTACT:

City of Ocoee

Ginger Corless

Address: 150 N. Lakeshore Dr., Ocoee FL, 34716

Phone: 407.554.7126

Email: vcorless@ocoee.org

Area 5 Downtown Drainage Improvements - Fernandina Beach, FL

The City of Fernandina is a coastal community with aging infrastructure, especially in the historic downtown area. Area 5 was identified in the City's Stormwater Master Plan Update as needing upgrades to the stormwater system. The Downtown area of the City of Fernandina Beach provides retail shops and restaurants to its citizens and tourists traveling to the Isle of 8 Flags. Unfortunately, the downtown area also experiences flooding problems due to a deficient stormwater management system. Low-lying areas hold water in the right-of-way and pour onto adjacent properties, including businesses and homes. The current infrastructure is not adequate to provide proper drainage for the area and needed an upgrade.

The Area 5 Downtown Drainage Improvements included the design of a stormwater pump station located at the downstream end of the existing stormwater sewer system along Alachua Street to pump stormwater under the CSX railroad to the Amelia River. The project also included the expansion of the Alachua Street right-of-way from North Front Street to North 2nd Street.

Challenging issues addressed as part of the project included heavy traffic in the downtown area, historic and non-conventional existing improvements that had to be preserved, a very crowded right-of-way with both known and unknown existing utilities, a railroad crossing, and a SJRWMD conceptual permit that had never been issued in this district.

PROJECT COST: $210,090 (Design); $2,456,000 (Construction)

PROJECT SIZE: Varies Per Project

PROJECT TERM: 12/2018-12/2025 (Est.)

FIRM ROLE: Prime

CLIENT CONTACT:

City of Fernandina Beach

Andre Desilet

Address: 1180 S 5th Street, Fernandina Beach, FL 32034

Phone: 904.310.3431

Email: adesilet@fbfl.org

Red Bug Slough Preserve - Sarasota County, FL

Sarasota County's Red Bug Slough Preserve stands as a testament to the lasting beauty of natural Florida, offering visitors miles of both paved and unpaved walking/hiking trails. CPH provided landscape architecture services, contributing to the preservation and enhancement of this preserve by trail restoration, improving parking facilities, and creating a new playground complete with site furnishings and a wildlife garden.

The project included:

- Native plants
- Butterfly garden to attract wildlife
- Existing tree assessment
- Environmental signage and plant restoration
- Trail/parking surface to reduce erosion
- Vegetative swale
- Playground/picnic tables/ benches

PROJECT COST: $111,670 (Design); $900,000 (Construction)

PROJECT SIZE: 49.70 Acres

PROJECT TERM: 03/2020-04/2024

FIRM ROLE: Prime

CLIENT CONTACT:

Sarasota County

Dragan Grujicic

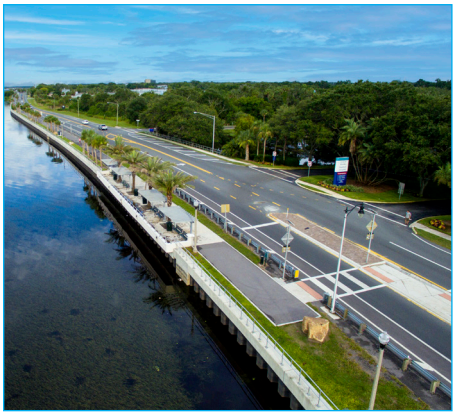
Address: 1001 Sarasota Center Blvd., Sarasota, FL 34240

Phone: 941.237.0007

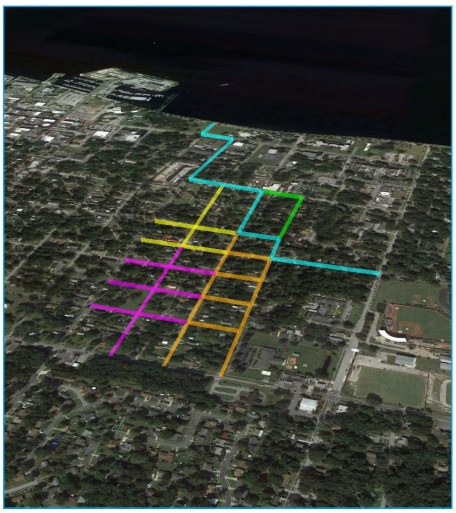
Email: vdgrujicic@scgov.net

City of Sanford Continuing Contract - Sanford, FL

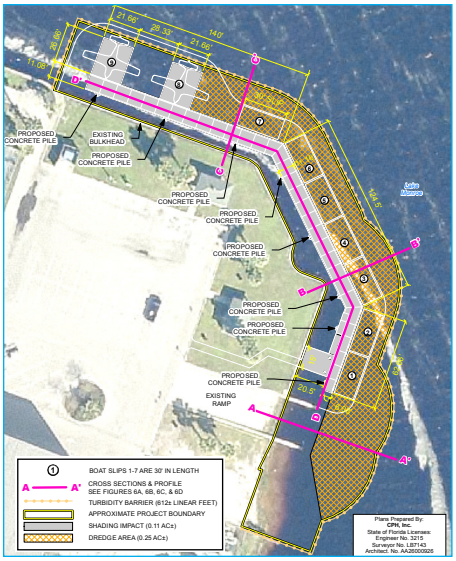
CPH has been providing design and construction services to the City of Sanford **since 1958.** Projects have included water, wastewater, stormwater, roadway, parks, and trails. The team has provided services that include, engineering, landscape architecture, architecture, planning, surveying, environmental science, and construction administration. Some of the most recent projects for the City include:



US 17-92 RiverWalk, Phase II - III (FDOT LAP): Phase II - The FDOT LAP project included 1.5 miles of 10–14-ft-wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trailhead parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. Phase III - CPH provided planning, survey, and design services for a new 1.7-mile, 12-ft-wide trail that was part of a multi-phase project funded through a joint partnership with FDOT. This project followed the complete streets design elements with the provision of a multi-use trail, roadway safety improvements, traffic-calming design, roadway & trail lighting, utility design, structural seawall design, drainage improvements/ design, irrigation design, beautification, hardscape and landscape design, scenic overlooks of Lake Monroe, way-finding design, pedestrian mid-block crossings (rectangular rapid flashing beacons), traffic studies, survey, and wetland mitigation. *Project Term: 2011-2021 // Size: 3.2 Miles // Cost: $32,435,694*



Georgetown Drainage Improvements: The Georgetown drainage improvements in Sanford, Florida, will substantially reduce the frequent flooding the area has endured and improve the water quality that discharges to Lake Monroe. The project will also decrease stormwater flows to nearby stormwater systems, improving their efficiency in handling high-intensity storm events in the downtown area of Sanford. The phase 1 project construction includes over 1,680 ft of new, large-diameter, storm sewer pipe ranging in size from 54 inches to 72 inches; construction of new inlets; installation of a new, three-chamber, nutrient-separating baffle box; and construction of two new connections to Lake Monroe at the existing sea wall. CPH provided surveying, environmental, design, and permitting services, and assisted the City during the community meeting, structural design for the new connection to the existing sea wall in consideration of the existing RiverWalk trail and sea wall anchors, and assistance on the application for EPA State and Tribal Assistance Grants (STAG) through the local congressional representative's office. *Project Term: 2021-Ongoing // Size: 2.5 Miles // Cost: $3.8 Million*



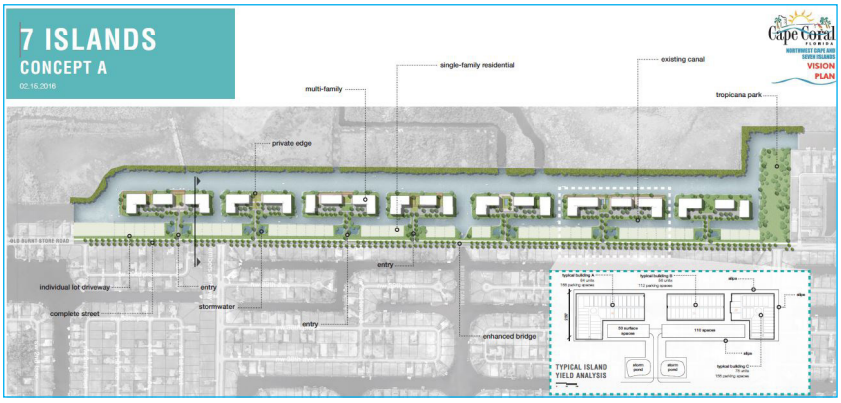
City of Sanford Marina Northshore Rigging Platform & Sea Plane Docking: The City of Sanford selected CPH Environmental and Survey to permit a rigging platform along the north shore of the Sanford Marina. The project included a public rigging platform facility to be utilized during sailing regattas on the north shore of the Marina Island. In addition, the rigging platforms will provide two temporary (2) mooring areas for sea planes and the dredging of Lake Monroe to remove debris from the lake bottom. CPH provided environmental and survey services to the City for the Northshore Project including all ecological research, bathymetry survey, benthic survey, field investigations and topographic surveys, agency coordination and permitting to assist with the completion of the final design and obtain permits. Other tasks performed included dock design and functional assessment evaluation and manatee coordination with FDEP and FFWCC. CPH received the FDEP permit within 6 months of permit application submittal. The FDEP permit also provided Federal authorization of the project per 62-330.051(5)(f) for the SP GPV. *Project Term: 2021-TBD (Ongoing) // Size: 1 Acre // Cost: $32,327 (Design & Permitting)*

City of Cape Coral Continuing Contract - Cape Coral, FL

CPH has been providing design and construction services to the City of Cape Coral **since 2004.** Projects have included stormwater, roadway, parks, and trails. The team has provided services that include engineering, landscape architecture, planning, surveying, environmental science, and construction administration. Some of the most recent projects for the City include:

Cape Coral Water Main Improvements: CPH prepared construction plans, specifications, and a cost estimate for a proposed water main and fire hydrants near SE 47th Terrace in Cape Coral, Florida. This included developing a hydraulic model of the existing and proposed water system to determine the best design of the proposed system to serve the needs of existing development. CPH then reviewed three different alternatives of water system layout with City of Cape Coral, prepared construction documents based on selected alternative, and permitted it through FDEP. *Project Term: 2019-2021 // Size: 3 +/- Acre // Cost: $450,000*

Cape Coral SE 47th Terrace Complete Street Improvements: The project included reconstruction of an existing roadway to conversion to a complete street and the creation of a downtown district. The improvements included sidewalks with pavers, landscaping, road reconstruction, removal of on-street parking to increase the width of the pedestrian area, off-street parking modification, streetlights, traffic analysis and calming, including adding a roundabout at one of the busiest intersections, raised mid-block pedestrian crossings, street furniture, ADA improvements, and drainage modifications/upgrades. CPH also designed the utility upgrades/modifications, including a new upsized water main, new force main, and a new reclaimed water main. Design services also included modifications to the City's Club Square, such as added sidewalks, bio-retention swales, entrance feature, ADA improvements, landscaping, and streetlights. *Project Term: 2016-2018 // Size: 4,833 LF // Cost: $11.1 Million*

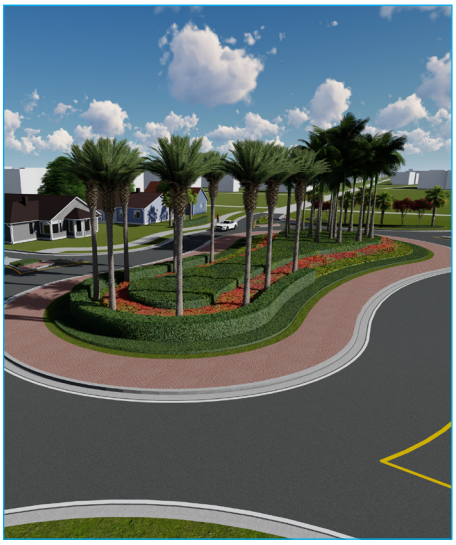


Cape Coral Northwest Cape and 7 Islands Vision Plan: The team provided planning, visioning, and public outreach for the development of a long-term Vision, Master, and Capital Plan for the City of Cape Corals Northwest Quadrant and its 7 Island Area. The study and master plan area consisted of 20 square miles with over 20 miles of frontage along the Matlacha Pass and its marine habitat. CPH prepared detailed overall vision plans to establish a "village character" for the area highlighting connectivity, compatibility, and context-based design alternatives. Design elements included complete streets, public lands utilization, mixed-use and commercial lands, target private lands for acquisition for public space, street tree plans, signage and theming plans, neighborhood identification and preservation, waterfront activation, and infrastructure expansion plans. As part of the plan, CPH provided analysis of economic analysis of different types of development and the identification of Public/Private Partnership opportunities to implement the master plan. The Vision and Master Plan established a 50-year implementation horizon. *Project Term: 2015-2016 // Size: 20 Square Miles // Cost: $133,715 (Design)*

City of Ocoee Continuing Contract - Ocoee, FL

CPH has been providing design and construction services to the City of Ocoee **since 2009.** Projects have included water, wastewater, stormwater, roadway, parks, and trails. The team has provided services that include engineering, landscape architecture, architecture, planning, surveying, environmental science, and construction administration. Some of the most recent projects for the City include:

Ocoee Downtown Streets Redevelopment: Civil engineering and landscape architecture to design four local streets associated with the City of Ocoee Downtown Redevelopment. The Oakland Avenue project consists of a complete reconstruction to develop a two-lane divided roadway, with a multi-use trail in the median, parallel parking, and wide sidewalks. The Taylor Street project includes a multi-use trail along the east side, connecting to the Oakland Avenue multi-use trail. Taylor Street also includes two roundabouts that are the gateways into Downtown: one at the Franklin Street intersection, with the other at the McKey Street intersection. Kissimmee Avenue includes realignment to the west to attain proper clearance from the railroad and a new stormwater management pond. *Project Term: 2018-2022 // Size: 3,070 LF // Cost: $4,030,000*



South Bluford Avenue Complete Street & Utility Improvements: CPH provided comprehensive design and permitting services for the City of Ocoee's Bluford Complete Streets project, encompassing roadway, stormwater, and utility improvements from Old Winter Garden Road to East Delaware Street. The project transformed the corridor from a rural to an urban roadway with a closed drainage system, roadway dieting, landscaped medians, a 10- to 12-foot multi-use path, enhanced pedestrian crossings, two roundabouts, upgraded lighting, and undergrounded utilities. Utility work included relocating 3,500 LF of 12-inch water main and installing 2,750 LF of reclaimed water main, 2,600 LF of 8-inch sanitary sewer, 1,350 LF of 4-inch force main, and a new duplex lift station. Due to the corridor's congestion, close coordination between roadway and utility design teams was essential to minimize conflicts and reduce costs. The project is funded through a combination of City funds, Fifty West CRA funds, and utility funds. *Project Term: 08/2021-TBD (Est. Construction Start: 10/2025) // Size: 6,777 LF (Roadway); 3,500 LF of 12-Inch Water Main, 2,750 LF of New Reclaimed Water Main, 2,600 LF of New 8-Inch Sanitary Sewer, 1,350 LF of New 4-Inch Sanitary Force Main (Utility) // Cost: $13,380,500 (Est. Construction)*

Blackwood Avenue Streetscape: This is a 1,128-LF streetscape project. Single-lane roundabout to resolve sight line issues at a complex geometry intersection. Includes roadway, landscape, and hardscape elements. Integral part of the City of Ocoee's overall regional effort in the SR-50 West District. Plans drawn to replace existing 5-ft concrete sidewalks along Blackwood Avenue with new 10-ft brick paver sidewalks large enough to fit tree planter boxes between the back of curb and the walking space. *Project Term: 2018-2023 // Size: 1,128 LF // Cost: $1,662,588 (Est.)*

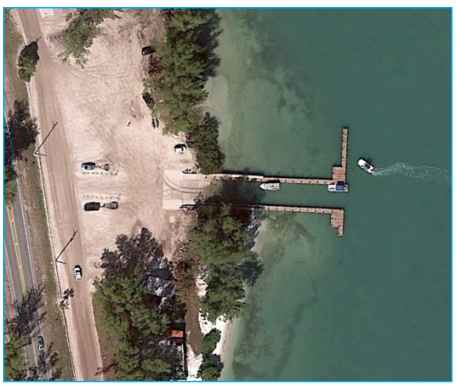
SR 50 Green Up Program: CPH worked with the City of Ocoee CRA Planning District on an FDOT On-System LAP Project to create a plan to beautify the City through improvements, with FDOT coordination, to increase landscaping along system roads. "Greening up" the medians to help remove the sterile nature of the corridors and improve aesthetics within the City included processing multiple FDOT variances following the City's 50-West Planning Guide. Included in this endeavor were a 3.25-mile median landscape, urban principal arterial, and new irrigation system. *Project Term: 2019-2020 // Size: 3.25 Miles // Cost: $62,169 (Design)*

Manatee County Continuing Contract - Manatee County, FL

CPH has been providing design and construction services to Manatee County **since 2004.** Projects have included stormwater, roadway, parks, and trails. The team has provided services that include engineering, landscape architecture, planning, surveying, environmental science, and construction administration. Some of the most recent projects for the County include:

Kingfish Boat Ramp: Redevelopment of existing Kingfish Boat Ramp owned and maintained by Manatee County Parks and Natural Resources. The proposed improvements include replacement/addition of boat ramp single launch lanes, paving of gravel parking lot, reconfiguration of parking area and additional trailer parking spaces, addition of a stormwater management facility, new dock/pile system, and new sea wall. The project is proposed to be completed in two phases. The first phase will consist of parking lot, sea wall/dock, stormwater, and boat ramp improvements within the existing project boundary. The second phase of the project will consist of parking lot improvements that will expand into a new project boundary with additional area provided by FDOT SR64 improvements. Overall, the project is very personal to the local residential and fishing community on the west coast of Florida, with users ranging from Tampa down to North Sarasota. The boat ramp provides excellent access to inshore fishing grounds and the open waters of the Gulf of Mexico (Skyway Bridge), making it the most popular destination for private and charter boats within Manatee County. The redevelopment will substantially increase opportunity for tourism and economic development in the area by providing access to coastal waters for the opportunity of experiencing Florida's iconic sportfishing and wildlife. Innovative techniques used to design the seawall: wave action against seawall, dock, and boat ramp were modeled using computational fluid dynamics and numerical modeling software to determine the necessary reinforcement of the structures. ***Project Term: 2020-TBD (On-Hold for Funding) // Size: 5.86 Acres // Cost: $3,500,000***

North Coquina Boat Ramp Improvements: CPH worked with Manatee County to design and permit site improvements and amenities at North Coquina Boat Ramp. CPH provided site planning, engineering, permitting, landscape design, environmental, and bidding/construction administration services. Nearly the entire site is seaward of the Coastal Construction Control Line. The improvements included the design and permitting of a new boat ramp facility and corresponding seawall and dock. The improvements also included a new restroom building, which was elevated in accordance with State Regulations. A small lift station was designed and permitted to accommodate the new restroom facility. A new stabilized shell parking lot and the site-associated stormwater improvements were also included in the project scope. CPH also provided a pedestrian warrant study to determine the appropriateness of a mid-block pedestrian crossing to support the improved amenities. ***Project Term: 2013-2018 // Size: 10 Acres // Cost: $183,000 (Design)***

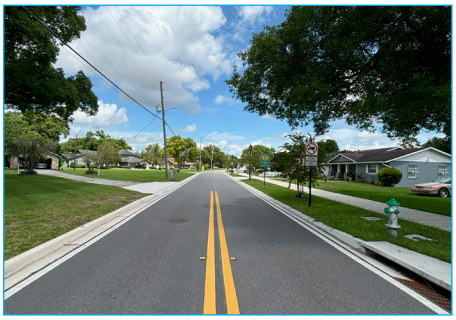


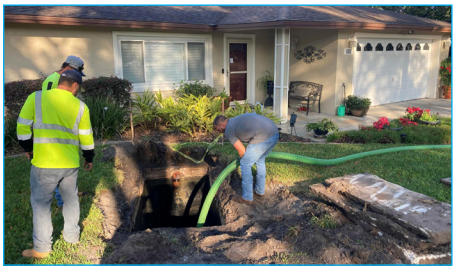
South Coquina Boat Ramp Improvements: CPH worked with Manatee County to design and permit site improvements and amenities at South Coquina Boat Ramp. CPH provided Manatee County with site planning, engineering, permitting, landscape design, parking lot lighting design, environmental, and bidding/construction administration services. Nearly the entire site is seaward of the Coastal Construction Control Line. The improvements included the design and permitting of a new stabilized shell parking lot and the site-associated stormwater improvements. An existing pavilion was proposed to be relocated adjacent to the intercoastal waterway in accordance with local and state regulations. CPH also provided a pedestrian warrant study to determine the appropriateness of a mid-block pedestrian crossing to support the improved amenities. ***Project Term: 2013-2016 // Size: 10 Acres // Cost: $80,000 (Design)***

City of Casselberry Continuing Contract - Casselberry, FL

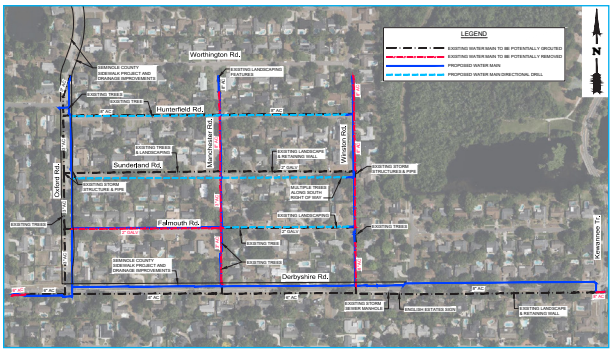
CPH has been providing design and construction services to the City of Casselberry **since 1965.** Projects have included stormwater, roadway, parks, and trails. The team has provided services that include engineering, architecture, landscape architecture, planning, surveying, environmental science, and construction administration. Some of the most recent projects for the City include:

Casselberry Wirz Park Planning & Design: CPH provided planning, space programming, conceptual/preliminary design, and design development for the City of Casselberry's reinvestment and master plan update for Wirz Park, a regional 26.46-acre facility with multiple uses. The CPH team was tasked with holding multiple stakeholder meetings to develop a reinvestment program and update the facility's master plan. The conceptual/preliminary design was utilized by the City as part of a bond referendum to rank and fund park improvements throughout the City. The City's bond referendum and funding for Wirz Park was approved, and CPH was retained to work with a Construction Manager at Risk for the final design and implementation of the improvements. *Project Term: 2018-2025 (Est.) // Size: 26.46 Acres // Cost: $7,861,772 (Est.)*





Lake Kathryn Circle Complete Street Improvements: CPH provided preliminary engineering, design, and permitting services for the development of a complete street in the City of Casselberry. The project limits are between Holly Hill Avenue in the north and Seminole Blvd. in the south. The previous roadway profile included roughly 24-ft-wide roadway with drop "Miami" curb on either side except at the northern end of the project where the curb stops. As part of the complete street design, the new roadway included 8-ft-wide sidewalk on the eastern side of the road with a 6-ft-wide landscape buffer between the back of curb and the sidewalk. The reconstruction also required the replacement of all the existing driveways within the project limits. At the northern end of the project, a mid-block crossing was installed on Lake Kathryn Circle to connect the new sidewalk to the existing one on the opposite side of the road at this point. The City also included the septic to sewer conversion of approximately 35 single family residential units with the installation of a new sanitary sewer system that included 13 manholes and approximately 3,300 LF of 8" and 10" PVC gravity main. This project also removed and replaced approximately 500 LF of 6" PVC force main. The final construction cost for the project was approximately $3.7 Million with an approximate 20-month project duration. *Project Term: 2019-2023 // Size: 2,596 LF // Cost: $3.7 Million*



Casselberry English Estates Watermain: The English Estates Water Main Replacement project includes the design and construction of approximately 25,000 LF of 6-, 8-, and 12-inch water mains and installation of approximately 67 new fire hydrants and 83 new valves. The construction will be performed utilizing a mixture of trenchless technology, to minimize conflicts and site disturbance, as well as conventional open-cut. The project requires coordination with Seminole County as the construction will take place in County R/W. Currently the construction is planned to be done in three phases. *Project Term: 2022-Ongoing // Size: 25,000 LF of 6, 8, 12-Inch Water Main Replacement // Cost: $472,936 (Design)*

TAB 5

INSURANCE REQUIREMENTS

5 INSURANCE REQUIREMENTS

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 12/30/2024

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

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

PRODUCER Willis Towers Watson Insurance Services West, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA	**CONTACT NAME:** WTW Certificate Center **PHONE (A/C, No, Ext):** 1-877-945-7378 **FAX (A/C, No):** 1-888-467-2378 **E-MAIL ADDRESS:** certificates@wtwco.com
INSURED CPH Consulting, LLC 500 West Fulton Street Sanford, FL 32771	**INSURER(S) AFFORDING COVERAGE** — **NAIC #** INSURER A : Liberty Mutual Fire Insurance Company — 23035 INSURER B : Liberty Insurance Corporation — 42404 INSURER C : American Guarantee and Liability Insurance — 26247 INSURER D : Allied World Surplus Lines Insurance Compa — 24319 INSURER E : Indemnity National Insurance Company — 18468 INSURER F : RSUI Indemnity Company — 22314

COVERAGES **CERTIFICATE NUMBER:** W37155095 **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	[X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [X] POLICY [ ] PRO-JECT [ ] LOC OTHER:			TB2-641-446161-054	12/31/2024	12/31/2025	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 2,000,000 $ 1,000,000 $ 25,000 $ 2,000,000 $ 4,000,000 $ 4,000,000
B	AUTOMOBILE LIABILITY [X] ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS [ ] HIRED AUTOS ONLY [ ] NON-OWNED AUTOS ONLY			AS7-641-446161-044	12/31/2024	12/31/2025	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 2,000,000 $ $ $
C	[X] UMBRELLA LIAB [X] OCCUR EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [ ] RETENTION $			AUC 8344746-01	12/31/2024	12/31/2025	EACH OCCURRENCE AGGREGATE	$ 10,000,000 $ 10,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N: No If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		WC7-641-446161-064	12/31/2024	12/31/2025	[X] PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
D	Professional Liab incl Pollution			0313-8987	12/31/2024	12/31/2025	Each Claim Limit Policy Aggregate	$5,000,000 $5,000,000

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

SEE ATTACHED

CERTIFICATE HOLDER

FOR PROPOSAL PURPOSES

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

ACORD 25 (2016/03) **The ACORD name and logo are registered marks of ACORD**

SR ID: 26998488 BATCH: 3756610

AGENCY CUSTOMER ID: _____

LOC #: _____

ADDITIONAL REMARKS SCHEDULE

AGENCY Willis Towers Watson Insurance Services West, Inc.	NAMED INSURED CPH Consulting, LLC 500 West Fulton Street Sanford, FL 32771
POLICY NUMBER See Page 1	
CARRIER See Page 1 / NAIC CODE See Page 1	EFFECTIVE DATE: See Page 1

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance

INSURER AFFORDING COVERAGE: Indemnity National Insurance Company NAIC#: 18468
POLICY NUMBER: XS001814 24 EFF DATE: 12/31/2024 EXP DATE: 12/31/2025

TYPE OF INSURANCE:	LIMIT DESCRIPTION:	LIMIT AMOUNT:
Excess Automobile Liability	Each Occurrence	$1,500,000
	excess	$2,000,000

INSURER AFFORDING COVERAGE: RSUI Indemnity Company NAIC#: 22314
POLICY NUMBER: NHA604323 EFF DATE: 12/31/2024 EXP DATE: 12/31/2025

TYPE OF INSURANCE:	LIMIT DESCRIPTION:	LIMIT AMOUNT:
Excess Automobile Liability	Each Occurrence	$1,500,000
	excess	$2,000,000

SR ID: 26998488 BATCH: 3756610 CERT: W37155095

TAB 6

ATTACHMENTS

6 ATTACHMENTS

PERSONNEL RESUMES

MIMI FALCON, P.E.

PROGRAM MANAGER

Mimi is a Project Manager at CPH with a background in heavy industrial manufacturing. She has spent much of her career working with consultants as the client, which makes her knowledgeable on what is necessary to achieve success on the client's behalf. Mimi excels at efficient communication, oversight of contractors, and management of multi-faceted projects.

YEARS EXPERIENCE

15

EDUCATION

B.S. in Environmental Engineering, University of Central Florida

M.S. in Environmental Engineering, Cornell University

LICENSES/ CERTIFICATIONS

Professional Engineer - FL (No. Pending)

Professional Engineer - OR (No. 102103)

Professional Engineer - WA (No. 23019198)

City of Clearwater- Railroad Quiet Zone Affirmation Submittal - CPH provided support to the City of Clearwater for their Railroad Quiet Zone Affirmation Submittal. This included the inspections, calculations, and documentation necessary for completion of the affirmation paperwork for the quiet zone (QZ). The affirmation certifies that the areas in the QZ have been inspected and meet the current requirements of the Federal Railroad Association. Due to personnel changes the notice that the affirmation was approaching its due date was not received by Clearwater and the City was in past the due date at the time of contacting CPH. Additionally, due to the time lapse many of the QZ requirements (signs, markings, etc.) were deficient. CPH drew on the QZ experience of Trilon companies DRMP and Horrocks to perform the necessary inspections, calculations, and provide Clearwater with a listing of items to address to achieve compliance. CPH worked with Clearwater to determine appropriate CSX personnel for tasks requiring CSX assistance and once all deficiencies were addressed assisted the City in completing the submittal.

Natural Gas Pipeline Relocation - Relocation of a natural gas pipeline consisted of coordination with mechanical and construction contractors. Led oversight and mitigation of impacts to adjacent waterbodies during clearing activities and wet-weather construction period included selection of BMPs (best management practices) and regular site inspections. Performed analysis of local, state, and federal code to design work in order to obtain exemptions from environmental permitting.

Abatement of Asbestos Containing Material (ACM) - Worked with site operations to identify areas of priority for ACM abatement. Coordinated with accounting department for fiscal timing and managed contractor performing abatement, including daily inspections and final disposal paperwork.

Stormwater System Monitoring Program - Design of stormwater monitoring program to comply with reissuance of industrial stormwater general permit. This included research, selection, and implementation of BMPs in order to comply with new requirements.

KURT R. LUMAN, JR., P.E.

MARKET DIRECTOR & PRINCIPAL-IN-CHARGE | TRANSPORTATION & TRAFFIC ENGINEER

Mr. Luman serves the firm of CPH in the capacity of Municipal Market Director – Central Florida Transportation Division Director. He is responsible for managing, engineering, and designing roadway, traffic, and trail projects, including geometric design, stormwater management systems, traffic intersections, and traffic control plans. Mr. Luman is also responsible for the preparation and processing of permits through various regulatory agencies, including FDOT Local Agency Program (LAP) projects. In addition to highway and traffic design, he has experience in preparing stormwater pollution prevention plans, construction estimates, and site inspections.

YEARS EXPERIENCE

25

EDUCATION

B.S. in Civil Engineering, University of Central Florida

LICENSES/ CERTIFICATIONS

Professional Engineer - FL (No. 65036)

Advance Maintenance of Traffic, FDOT, Critical Structures Construction Issues Course

W. Central Blvd. Complete Street Design/Build - 0.55-mile complete street project associated with the Orlando City Soccer MLS Stadium. The project included complete roadway reconstruction including underlying brick roadway salvaging, wide pedestrian and event space along the corridor for game days, bus rapid transit lanes, signal improvements, and lighting improvements. The project included drainage upgrades as well as upsizing the sanitary sewer from an 8-in line to a 21-in line, and undergrounding OUC power and communication (including the duct bank design). Extensive utility coordination. Coordination with FDOT/SGL to have concurrent Maintenance of Traffic Plans for work within the Ultimate I-4 Construction project. Permitting with FDOT/SGL, SJRWMD, and FDEP.

Pine Street Roadway Improvements - Planning and design for roadway improvements along Pine Street in the City of Leesburg, Florida, from S. Canal Street to S. Lake Street. Due to recent development, the City commission approved this project for the purposes of 1) reconstructing the aging Pine Street roadway facility to bring it up to the latest standards and, 2) to add additional features to the roadway to improve on-street parking, add landscape and hardscape elements, replace the existing street lights, and improve traffic and pedestrian safety. These safety features are to include widening the sidewalks updating the storm drain system, the addition of raised crosswalks at key locations along Pine Street, as well as a roundabout at the intersection of Pine Street and Rambo Street. This roundabout will provide proper pedestrian crossings directly to the hospital and also will improve Pine Street's operations by eliminating an all-way stop and correcting a slight kink in the roadway's alignment.

Lake Kathryn Circle Complete Street Improvements - CPH provided preliminary engineering, design, and permitting services for the development of a complete street in the City of Casselberry. The project limits are between Holly Hill Avenue in the north and Seminole Blvd. in the south. The previous roadway profile included roughly 24-ft-wide roadway with drop "Miami" curb on either side except at the northern end of the project where the curb stops. As part of the complete street design, the new roadway included 8-ft-wide sidewalk on the eastern side of the road with a 6-ft-wide landscape buffer between the back of curb and the sidewalk. The reconstruction also required the replacement of all the existing driveways within the project limits. At the northern end of the project, a mid-block crossing was installed on Lake Kathryn Circle to connect the new sidewalk to the existing one on the opposite side of the road at this point. The project also included the installation of new water and sanitary pipes, which will have to go underneath the existing roadway.

SANDRA L. GORMAN, P.E.

TRANSPORTATION & TRAFFIC ENGINEER

Ms. Gorman serves CPH as Senior Traffic Engineer. Her experience encompasses a wide range of traffic and transportation projects. Ms. Gorman's wealth of project experience includes traffic signal warrant analyses, transportation and traffic studies, mitigation recommendations, access management, and traffic modeling. Additionally, she was the recipient of "Young Transportation Professional of the Year" in 2009 and 2004 by the Institute of Transportation Engineers.

YEARS EXPERIENCE

31

EDUCATION

M.C.E. in Civil Engineering, University of South Florida

B.S. in Civil Engineering, University of South Florida

LICENSES/ CERTIFICATIONS

Professional Engineer - FL (No. 59530)

Cape Coral SE 47th Terrace Complete Street Improvements - The project included reconstruction of an existing roadway to conversion to a complete street and the creation of a downtown district. The improvements included sidewalks with pavers, landscaping, road reconstruction, removal of on-street parking to increase the width of the pedestrian area, off-street parking modification, streetlights, traffic analysis and calming, including adding a roundabout at one of the busiest intersections, raised mid-block pedestrian crossings, street furniture, ADA improvements, and drainage modifications/upgrades. CPH also designed the utility upgrades/modifications, including a new upsized water main, new force main, and a new reclaimed water main. Design services also included modifications to the City's Club Square, such as added sidewalks, bio-retention swales, entrance feature, ADA improvements, landscaping, and streetlights.

US 17-92 RiverWalk, Phase II - III (FDOT LAP) - Phase II - The FDOT LAP project included 1.5 miles of 10–14-ft-wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trailhead parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. Phase III - CPH provided planning, survey, and design services for a new 1.7-mile, 12-ft-wide trail that was part of a multi-phase project funded through a joint partnership with FDOT. This project followed the complete streets design elements with the provision of a multi-use trail, roadway safety improvements, traffic-calming design, roadway & trail lighting, utility design, structural seawall design, drainage improvements/design, irrigation design, beautification, hardscape and landscape design, scenic overlooks of Lake Monroe, way-finding design, pedestrian mid-block crossings (rectangular rapid flashing beacons), traffic studies, survey, and wetland mitigation.

22nd Street South Corridor Improvements - Streetscape that includes adding more on-street parking, wider sidewalks, curbside landscaping, and better streetlights. Some drainage improvements to bring the road up to the latest standards. It is a two-part project with one LAP and one non-LAP funded segment. The non-LAP segment is a "Festival Shared Street" with pedestrian oriented layout, including flush road-to-sidewalk interface and an inverted crowned roadway. The LAP segment includes reworking the connection of 22nd Street and the Pinellas Trail. It also corrects the staggered geometry of the 22nd Street and Fairfield Ave. intersection. Two parks are also included in the project: District Park, which includes a stage and food vending area for local events, and Deuces Live Park, which is an urban landscaped park.

Titusville Downtown Parking Study - CPH provided analysis of current parking demand and patterns as well as an evaluation for future land use and parking needs for both on-street and off-street parking.

KENNETH SPITZ, AICP

TRANSPORTATION & TRAFFIC ENGINEER

Mr. Spitz has over 34 years of professional experience in traffic planning. His combination of experience and knowledge makes him a unique and valuable resource to CPH as Principal of Transportation Planning. Mr. Spitz's experience includes 18 years in state and local government with responsibility for budgets, contract management, project planning/design/oversight/delivery, and public relations.

YEARS EXPERIENCE

34

EDUCATION

B.A. in Urban Planning/ Transportation Planning & Traffic Engineering, University of Illinois System

LICENSES/ CERTIFICATIONS

Institute of Transportation Engineers (ITE)

American Planning Association (APA)

American Society of Civil Engineers (ASCE)

American Institute of Certified Planners (AICP)

University Area Multimodal Study Fowler Av (SR 582) from I-275 to I-75 - Development and feasibility analysis of multiple future designs for Fowler Avenue – an 8-lane arterial – near the USF campus. Each alternative integrated automotive, transit, cycling and pedestrian infrastructure improvements. Feasible design options included: multiway boulevard with center-running Bus Rapid Transit, Road Diet with restricted access Frontage Roads, and curbside Business Access & Transit (BAT) Lanes. This study preceded the ongoing PD&E Study.

Downtown St Petersburg Area Study, Central Business District - Comprehensive review and analysis of multimodal transportation needs in the CBD. This Study also considered the removal of two Interstate spur routes (I-175 and I-375) – either together or separately – and the resulting impacts on adjoining community access. Other considerations included: SunRunner BRT operation, expansion of the cycling network, one-way to two-way street operation, removal of on-street parking, etc. Another component was the redevelopment of the Tropicana Stadium site.

SR 56 Extension Alternatives Analysis Study - US 301 to US 98 - This study identified twelve potential routes for the proposed extension of a 4-lane state highway. Regional travel demand modeling was used to project future volumes and heavy vehicle usage. Desktop analyses of multiple environmental categories were used to narrow preliminary candidates. Three alternatives were identified for further in-depth study.

Districtwide Ramp Metering Study - All Interstate highways in District 7 - Comprehensive review of every interchange on I-4, I-75, and I-275. Study purpose was to identify the feasibility of installing ramp meters (signals) to improve traffic flow. Typical one- and two-lane ramp meter designs and cost estimates were developed and compared to existing conditions. Service thresholds and design guidelines from domestic and international agencies informed the ranking of candidate locations. Segments of feasible locations were identified to maximize operational efficiency and return on investment.

H. LARRY WRAY, P.E., CFM

CIVIL & STORMWATER ENGINEER

Mr. Wray serves CPH as a Senior Civil Engineering Division Manager. Mr. Wray is responsible for managing complex projects through preliminary design, final design, permitting, and construction administration and inspection. Mr. Wray also has experience in stormwater management, land development projects, recreational facility design, and roadway feature design. He has provided services in these fields to various clients. In conjunction with these projects, Mr. Wray has designed various stormwater management systems. These projects have required the extensive use of ADICPR, Hydraflow, and both the Modret and Ponds programs.

YEARS EXPERIENCE

28

EDUCATION

M.S. in Water Resources Engineering, University of Central Florida

B.S. in Environmental Engineering, University of Central Florida

LICENSES/ CERTIFICATIONS

Professional Engineer - FL (No. 55557)

Qualified Stormwater Management Inspector

Certified Floodplain Manager

West Georgia Avenue Complete Street Improvements - Development of a vision plan and the creation of a corridor that improved pedestrian connectivity/safety, encouraged economic growth and investments, and created a "festival" street. The roadway was designed with an inverted crowned section sending the stormwater to the center of the street, and Old Castle Adobe concrete pavers were used in a decorative herringbone pattern down the street. The improvements included sidewalk removal and replacement, modification of access drives and ramps for accessibility, design of decorative lighting, roadway rehabilitation, street furniture, signage, decorative pavers and related infrastructure. Landscape architectural services included design of irrigation system and plantings.

Georgetown Drainage Improvements - The Georgetown drainage improvements in Sanford, Florida, will substantially reduce the frequent flooding the area has endured and improve the water quality that discharges to Lake Monroe. The project will also decrease stormwater flows to nearby stormwater systems, improving their efficiency in handling high-intensity storm events in the downtown area of Sanford. The phase 1 project construction includes over 1,680 ft of new, large-diameter, storm sewer pipe ranging in size from 54 inches to 72 inches; construction of new inlets; installation of a new, three-chamber, nutrient-separating baffle box; and construction of two new connections to Lake Monroe at the existing sea wall. CPH provided surveying, environmental, design, and permitting services, and assisted the City during the community meeting, structural design for the new connection to the existing sea wall in consideration of the existing RiverWalk trail and sea wall anchors, and assistance on the application for EPA State and Tribal Assistance Grants (STAG) through the local congressional representative's office.

Lake Deaton Park – Concept Master Site Plan, New Water Launch, Grass Parking Improvements and Stormwater/Flooding Evaluation - Project scope included data collection, design, and permitting of proposed improvements within Lake Deaton Park. CPH attended workshops with the City of Wildwood Park & Recreation Manager to generate concept site plans to generate a Master Site Plan for the overall park development. The improvements and analysis identified included a new floating water launch (for kayaks, canoes, dragon boats, etc.) west of the existing pier with the associated sidewalk and boardwalk connection (parcel # G15-045). In addition, the scope included grassed parking area and an area to accommodate a prefabricated bathroom building with associated utility connections within parcel # G15-035, and performing a stormwater evaluation along the west side of Parcel # G15-009 to propose enhancements to prevent reported flooding during low-intensity storm events.

NATALIE SHABER, P.E.

CIVIL & STORMWATER ENGINEER

Ms. Shaber serves CPH as Client Services Manager and Business Development Lead for the Space Coast. She is specifically responsible for final permitting and permitting compliance and has hosted over 200 pre-construction and onsite compliance meetings including MOT, NPDES, project site and schedule planning.. Design, permitting, construction administration and inspection for municipal projects, grant writing, and progress reporting for stormwater infrastructure, water quality and flood mitigation grants for municipal clients. Ms. Shaber has many years' experience designing and reviewing stormwater management systems, low impact development (LID), and other capital improvement projects. She has also performed in-depth basin studies for municipal clients. She has in-depth knowledge of State of Florida Environmental Resource Permitting Rules and National Pollutant Discharge and Elimination System rules and compliance measures and reviewed and managed hundreds of private land development projects.

YEARS EXPERIENCE

18

EDUCATION

B.S. in Environmental Engineering, University of Central Florida

LICENSES/ CERTIFICATIONS

Professional Engineer - FL (No. 75632)

Qualified Stormwater Management Inspector

Georgetown Drainage Improvements - The Georgetown drainage improvements in Sanford, Florida, will substantially reduce the frequent flooding the area has endured and improve the water quality that discharges to Lake Monroe. The project will also decrease stormwater flows to nearby stormwater systems, improving their efficiency in handling high-intensity storm events in the downtown area of Sanford. The phase 1 project construction includes over 1,680 ft of new, large-diameter, storm sewer pipe ranging in size from 54 inches to 72 inches; construction of new inlets; installation of a new, three-chamber, nutrient-separating baffle box; and construction of two new connections to Lake Monroe at the existing sea wall. CPH provided surveying, environmental, design, and permitting services, and assisted the City during the community meeting, structural design for the new connection to the existing sea wall in consideration of the existing RiverWalk trail and sea wall anchors, and assistance on the application for EPA State and Tribal Assistance Grants (STAG) through the local congressional representative's office.

CDBG Infrastructure Improvements 2021 - Wrote and managed Community Block Development Grant (CDBG) Awarded +/- $500,000 for low-moderate income community. Driskell Heights (aka Powell Subdivision), Palm Bay FL, for infrastructure improvements to alleviate long-standing flooding and improve Liberia Park amenities, such as installing new park benches.

House Appropriations (FDEP Non-Point Source Surface Water Quality Assistance Grant) - Awarded $160,000 to perform the Turkey Creek Restoration Feasibility Study, Palm Bay FL Turkey Creek is an impaired tributary of the Indian River Lagoon which is the outfall for all NE basins in Palm Bay. It has degraded substantially environmentally, and ecologically from pre-development times when it was sand-bottomed and supported abundant fisheries and wetland species.

TYLER FITZGERALD, P.E.

CIVIL & STORMWATER ENGINEER

Mr. Fitzgerald serves CPH as a Project Manager and is responsible for the design and permitting of various projects throughout Florida. Mr. Fitzgerald has experience in land development and stormwater management projects ranging from design of apartment complexes, residential subdivisions, church campus sites, parking lots, and stormwater infrastructure networks. Mr. Fitzgerald is proficient in numerous design programs, including ADICPR, ponds, WaterCAD, and BMP trains.

YEARS EXPERIENCE

7

EDUCATION

B.S. in Civil Engineering, University of Central Florida

LICENSES/ CERTIFICATIONS

Professional Engineer - FL (No. 97392)

City of Wildwood – Millennium Park Master Planning and Phases 1 & 2 Development - Vision and Master Plan Update for 90+ acre park to include new amenities and recreational programming as well as optimization for the user experience and the development of a 5- and 10-Year Capital Plan for Implementation. CPH also provided full architecture and engineering design for the first two phases of the park development. Phases 1 and 2 consist of designing the internal roadway network, parking, trails, softball and soccer fields, covered basketball courts building design (Airitorium), tennis courts, racquetball courts, food truck parking, utility and all associated drainage improvements for the master plan.

Leesburg Teen Center - A 10,000-SF addition to an existing recreation center, the Leesburg Teen Center is multi-use facility that houses afterschool programs for youths ages 5-18. The programs are operated by the Boys & Girls Club of Central Florida and the building includes game rooms, computer labs, art and music spaces, offices, and a food preparation space. The addition also serves as a re-imaging of the main entry into the existing recreation center. The addition is organized functionally to separate the spaces by age groups, with the teens located to the rear of the spaces and the younger children at the front. Both age groups have exterior dining and activity patios to extend the opportunities for learning and engagement beyond the interior confines of the facility.

Melching Field NCAA Stadium Renovations – Design Criteria Package - Professional services for the creation of the Design Build Criteria Package for the Melching Field NCAA Stadium Renovations. CPH's scope for the Design Build Criteria Package included a report detailing ADA deficiencies, structural analysis of the existing bleacher deck, design/build contract requirements, design development drawings, and performance specifications. CPH's services for this project included Architectural, Civil, Surveying, Structural, Mechanical, Electrical, Plumbing, Fire Protection, and Landscape Architecture.

African American Museum of the Arts Expansion - Space programming and design services for the expansion of the African American Museum of the Arts in DeLand. As part of the project, the new expansion expected to contain approximately 3,000 SF of conditioned space to include a welcome desk, gift store, multiple gallery spaces, a multipurpose meeting room, a library focusing on Black art and culture, ADA-compliant restrooms, additional storage, and catering space.

CASIE O. BROWN, P.E.

UTILITIES ENGINEER

Ms. Brown serves CPH as a Division Manager of Pump Stations and Pipelines, Senior Project Manager, and EOR for multiple Wastewater/Water Treatment Facilities, forcemain, reclaim and gravity sewer projects. Ms. Brown's work at CPH has included Water and Wastewater Master Plans, Wastewater and Water Treatment Facility Design, master lift station design and improvements, reclaim and water main design, modeling, permitting, Construction oversight, and inspection.

YEARS EXPERIENCE

17

EDUCATION

M.B.A. in Business Administration, University of North Florida

B.S. in Civil Engineering, University of Central Florida

LICENSES/ CERTIFICATIONS

Professional Engineer - FL (No. 75398)

Summerlin Avenue Improvement Project – Phase 1 - This project is centered around the replacement of the existing OUC sanitary sewer beneath Summerlin Ave. from Marks Street to South Street in the City of Orlando. Due to the impacts of this replacement, the City of Orlando has chosen to also install stormwater culverts and structures within the project limits to alleviate existing drainage issues. Additionally, the entirely of Summerlin Ave. will be reconstructed as part of this project, and the adjoining sidewalks and driveways will be rebuilt as well to bring them up to ADA and City standards. All of these components were supported by detailed, extensive temporary traffic control plans due to the extent of this project and its impact on the City of Orlando's road network. Furthermore, this project involves work in major state roadways such as State Road 50 (E. Colonial Drive), State Road 526 (Robinson Street), and State Road 408 right-of-way due to impacts to South Street. As such, extensive permitting with FDOT, as well as the St. John's River Water Management District and FDEP, are required for this project. Finally, due to the presence of multiple schools along the project limits, coordination with Orange County is also essential for the successful completion of the project.

OCU Narcoossee 24-inch FM and John Wycliffe 20-inch RWM with Wewahootee RW GST - CPH provided design, permitting (CFX, City of Orlando, FDEP), MOT plans, bidding, and construction administration services for Orange County Utilities for approximately 17,000 LF of 24-inch force main along Narcoossee Road and Moss Park Road. This included existing lift station tie-ins, 6,400 LF of 20-inch RWM along John Wycliffe Blvd, and a new, 1.5-MG reclaimed water ground storage tank and new/replacement of three, 3,000-GPM pumps at the Wewahootee SRF. During design approximately 5,800 LF of 20-inch FM was constructed and fast tracked in the schedule to allow for the design, permitting, and construction to coincide with other ongoing construction projects in the corridor.

SSA-ESA 36" Water Main and 24" Reclaimed Water Main & J. Lawson Repump Station Project - CPH provided engineering services to OCU for the connection of the Southern Service Area to the Eastern Service Area with the potable water and reclaimed water system and repump station. These services included preliminary design report, final design, MOT design, survey, environmental assessment, geotechnical investigation, bidding, and construction administration. The project includes the installation of approximately 7 miles of parallel 36-inch potable water main and 24-inch reclaimed water main from J. Lawson Blvd. to Moss Park Rd via a combination of directional drill, jack and bore, and open-cut installation. The project corridor was through multiple jurisdictions which required coordination and permitting with Tavistock, GOAA, CSX, City of Orlando, Orange County, and CFX. The re-pump station includes general piping, a building, pumps, electrical equipment, controls and future chlorination feed equipment, stand-by generator and aboveground fuel tank, general site grading, and improvements.

KAYLA LOCKCUFF, P.E.

UTILITIES ENGINEER

Ms. Lockcuff serves the firm of CPH as a Sr. Project Manager. Her expertise includes hydraulic modeling, design, permitting, and construction services for public utility projects throughout the state. Kayla's expertise includes new pipelines, relocations due to roadway improvements, replacements, rehabs (including I & I), lift station/pumping systems, and misc. plant rehabilitations for both water and wastewater. She has worked on projects that include funding through USDA, FDEP, and FDOT.

YEARS EXPERIENCE

12

EDUCATION

B.S. in Environmental Engineering, University of Florida

LICENSES/ CERTIFICATIONS

Professional Engineer - FL (No. 90685)

SSA-ESA 36" Water Main and 24" Reclaimed Water Main & J. Lawson Repump Station Project - CPH provided engineering services to OCU for the connection of the Southern Service Area to the Eastern Service Area with the potable water and reclaimed water system and repump station. These services included preliminary design report, final design, MOT design, survey, environmental assessment, geotechnical investigation, bidding, and construction administration. The project includes the installation of approximately 7 miles of parallel 36-inch potable water main and 24-inch reclaimed water main from J. Lawson Blvd. to Moss Park Rd via a combination of directional drill, jack and bore, and open-cut installation. The project corridor was through multiple jurisdictions which required coordination and permitting with Tavistock, GOAA, CSX, City of Orlando, Orange County, and CFX. The re-pump station includes general piping, a building, pumps, electrical equipment, controls and future chlorination feed equipment, stand-by generator and aboveground fuel tank, general site grading, and improvements.

City of Davenport 16-inch Water Main North Boulevard Extension - The project included installation of approximately 6,000 LF of 16-inch PVC water main and other various sizes along North Boulevard, between Kingham Road and West Boulevard in Davenport, Florida. The water main was installed via conventional open cut within Polk County R/W. The proposed water main replaced the existing smaller water mains along the corridor and interconnected with existing water mains. The project also included reconnection/ installation of water services, fire hydrants (included I-hydrants), and ARVs. Typical roadway restoration, along with curbing, sidewalk, driveways, and landscaping restoration, was also included. A run of 2-inch fiber optic conduits and pull boxes were installed parallel to the water main for the City's fiber optic cables.

Orange City Septic to Sewer – Community Redevelopment Area: South Zone - To meet constraints and requirements of the FDEP and SJRWMD, Orange City obtained CPH's services to assist with the multi-phased conversion of residential, industrial, and commercial properties from septic tanks to a centralized sewer–collection system. CPH provided design and permitting services for the conversion of approximately 118 residential and commercial properties. The design included installation of 9,349 LF of 8" sanitary sewer pipe and 47 manholes at various depths; 118 sewer laterals with cleanouts; installation of 436 LF of 4" PVC force main; installation of 400 LF of 2" HDPE force main via directional drill; installation of 215 LF of 20" steel casing via jack and bore through FDOT R/W; and two, 6" water main relocations. Additionally, the design included removal and replacement of asphalt roadways, sidewalks, driveways, curbing, landscaping, and overall site restoration.

JOHN M. LENTI, AIA, NCARB, ENV SP, LEED AP

ARCHITECT

A driven and forward-thinking architect with extensive experience in sustainable and resilient design and planning, client management, business development, stakeholder facilitation, and life-cycle costing. Fosters long-lasting relationships with clients, colleagues, and interdisciplinary team members through utilization of exceptional interpersonal communication capabilities. An innovative leader skilled at developing strategic plans that promote short- and long-term growth, as well providing guidance on complex municipal facilities and infrastructure projects.

YEARS EXPERIENCE

33

EDUCATION

MBA, University of Saint Francis

M.S. in Architecture, University of Illinois

B.S. in Architecture, University of Wisconsin

LICENSES/ CERTIFICATIONS

Registered Architect - FL (No. AR100548)

National Council of Architectural Registration Boards (NCARB)

ISI ENV SP

ISI Trainer

ISI Verifier

LEED AP BD+C

Pasco County Facilities & Maintenance Central Office and Warehouse - The new central office and warehouse located on the Pasco County Land O' Lakes Public Safety Campus is a shared-use facility to serve the needs of the Counties Operations and Maintenance (O&M), Construction & Renovation (C&R), and Real Property Planning (RPP) departments. The 20,000 SF facility is organized with a central high-bay warehouse space wrapped on two sides with office and support spaces. Arranged departmentally, the office areas utilize strategies such as open plan "hot desks" and "touch-down" offices to efficiently accommodate the needs of a staff population that are coming and going throughout the day. Concrete tilt-wall construction provides a cost-effective and durable envelope that meets the diverse needs of the facility and provides a solid separation between field and office activities. A two-bay, dual-level, loading dock provides safe and effective access for equipment and materials handling and is configured to accommodate a future 10,000-SF EOC warehouse addition.

Whiteway Utility Service Center Replacement Design Criteria - The current Utility Service building at the Whiteway Water Treatment Plant was constructed in the 1970s and has reached the end of its serviceable life. The project will include demolition of the existing structure and construction of a new facility to serve as the Utility Service Administration Complex. CPH's services include survey, site planning, development of a space program for the new facility, and the development of the Design Criteria Package for solicitation of a Design-Build team to design and construct the facility.

Zephyrhills Public Works Complex - CPH is partnering with the City of Zephyrhills on an $18 million Zephyrhills City Complex project, finalizing its master plan and modifying its existing public works campus to accommodate anticipated growth. This transformative initiative includes demolishing the existing Administration building and constructing a new 14,400-SF Administration building, while minimizing impacts to current operations. This project will be completed in conjunction with a Construction Manager at Risk (CMAR) Contractor.

City of Sarasota for Architectural and Engineering Services of Second and Third Floors of Annex Building - CPH assisted the City of Sarasota by providing design services for the renovation of spaces on the 2nd and 3rd floors of the City's Annex building. The goal of the project was to provide modern spaces for the Finance Administration Department and the Human Resource Department. CPH provided programming and interior design services to accommodate the proposed work. In addition, the existing bathrooms on both floors were remodeled to make compliant with ADA requirements. CPH provided construction documents, bidding, and construction administration services.

BROOK K. SHERRARD, AIA, NCARB

ARCHITECT

Mr. Sherrard services CPH as Quality Management Studio Principal, with extensive similar experience. Mr. Sherrard has completed more than 6.4 million SF of projects and is leading the firm's building information modeling (BIM) and sustainability initiatives. His leadership has ensured that our clients are provided with a coordinated set of documents and 3D models to communicate the design intent at all phases of the project. He has also provided training to in-house architects and has set up standards and procedures to create consistency in document production throughout the firm. In addition, Mr. Sherrard has experience designing projects according to LEED certification guidelines, including the first new complete high school to achieve a Silver rating under the LEED for Schools 2.0 rating system in the State of Florida, at Weeki Wachee High School in Hernando County.

YEARS EXPERIENCE

26

EDUCATION

M.S. in Architecture, University of South Florida, School of Architecture and Community Design

B.S. in Applied Technology/ Business, Florida Institute of Technology

A.S. in Life Sciences, Harrisburg Area Community College

LICENSES/ CERTIFICATIONS

Registered Architect - FL (No. AR92948)

American Institute of Architects (AIA)

National Council of Architectural Registration Boards (NCARB)

Wedge Preserve Park - CPH provided planning, design, permitting, and construction administration for the development of a new regional community park in Parkland, Florida. The new park is approximately 36 acres and is partially funded through a FDEP grant. As part of the planning process, the team evaluated three distinct options to create an environmental park that merged active with passive recreation. Amenities that were considered include sand volleyball, pickleball, "Bank Shot" basketball course, Ninja Warrior course, trails, water features including environmental overlooks and preserves, softball fields, multi-purpose fields, and playgrounds.

Joe Moody Park - Planning and design for reconstruction of a park facility that was damaged due to hurricanes. The new facility includes a new 8,000-SF community center building, a restroom building utilizing a Client-provided proto-type, walk/jog track, lighting, playgrounds for ages 2-5 and 5-12, landscape and irrigation, tree replacement, hardscape including benches, trash receptacles, signage, parking improvements, stormwater retention, outdoor fitness areas, redevelopment of the wetland edge including scenic overlook, disk golf course re-establishment, and demolition of the existing boardwalk.

Bartow Public Works Administration and Solid Waste Administration Buildings - CPH provided architecture and engineering for two new buildings for the City of Bartow's Public Works and Solid Waste Departments equaling 8,000 SF. The project included prototype development and site adaptation. Also as part of the project, CPH provided master planning for each site to provide phasing and future build out of each site. Site analysis and development review services were included, as well as programming and stakeholder meetings.

Pasco County Facilities & Maintenance Central Office and Warehouse - The new central office and warehouse located on the Pasco County Land O' Lakes Public Safety Campus is a shared-use facility to serve the needs of the Counties Operations and Maintenance (O&M), Construction & Renovation (C&R), and Real Property Planning (RPP) departments. The 20,000 SF facility is organized with a central high-bay warehouse space wrapped on two sides with office and support spaces. Arranged departmentally, the office areas utilize strategies such as open plan "hot desks" and "touch-down" offices to efficiently accommodate the needs of a staff population that are coming and going throughout the day. Concrete tilt-wall construction provides a cost-effective and durable envelope that meets the diverse needs of the facility and provides a solid separation between field and office activities. A two-bay, dual-level, loading dock provides safe and effective access for equipment and materials handling and is configured to accommodate a future 10,000-SF EOC warehouse addition.

GALEN PUGH, RLA, AICP

LANDSCAPE ARCHITECT

Mr. Pugh serves the firm and its clientele in the capacity of Director of Landscape Architecture. Mr. Pugh has extensive governmental and private Landscape Architecture experience. This experience includes working as a Sr. Landscape Architect and a Sr. Planner. He additionally provided professional services such as procurement of consultants, directing and reviewing the preparation of site plans, construction documents, and landscape plans. Mr. Pugh coordinated the public participation process and conducted public and steering committee meetings.

YEARS EXPERIENCE

35

EDUCATION

B.A. in Landscape Architecture, Louisiana State University

LICENSES/ CERTIFICATIONS

Registered Landscape Architect - FL (No. LA1522)

CPTED Course Completion

Certified Planner (AICP)

Wedge Preserve Park - CPH provided planning, design, permitting, and construction administration for the development of a new regional community park in Parkland, Florida. The new park is approximately 36 acres and is partially funded through a FDEP grant. As part of the planning process, the team evaluated three distinct options to create an environmental park that merged active with passive recreation. Amenities that were considered include sand volleyball, pickleball, "Bank Shot" basketball course, Ninja Warrior course, trails, water features including environmental overlooks and preserves, softball fields, multi-purpose fields, and playgrounds.

Casselberry Wirz Park Planning & Design - Planning, conceptual design, and final design for the reinvestment and updating of Wirz Park to convert the facility into a regional facility with multiple uses. The team provided the project in two phases, with the first phase focused on a master plan with an estimated budget. To develop the master plan, the team held multiple design charrettes and public workshops to establish the vision for the updated facility, as well as garner public support. The project documents and funding were then placed as part of a voter referendum, and after approval CPH provided final design for the park. As part of the overall park the new design included a new entrance, relocation of maintenance building, expansion of the existing community building, new outdoor terrace, event patio with 20' x 20' pavilion, splash pad, zero-entry pool with interactive features, 5-lane/25-meter pool, shade structures, volleyball courts, basketball courts, playground, and trail upgrades.

City of Wildwood – Millennium Park Master Planning and Phases 1 & 2 Development - Vision and Master Plan Update for 90+ acre park to include new amenities and recreational programming as well as optimization for the user experience and the development of a 5- and 10-Year Capital Plan for Implementation. CPH also provided full architecture and engineering design for the first two phases of the park development. Phases 1 and 2 consist of designing the internal roadway network, parking, trails, softball and soccer fields, covered basketball courts building design (Airitorium), tennis courts, racquetball courts, food truck parking, utility and all associated drainage improvements for the master plan.

Joe Moody Park - Planning and design for reconstruction of a park facility that was damaged due to hurricanes. The new facility includes a new 8,000-SF community center building, a restroom building utilizing a Client-provided proto-type, walk/jog track, lighting, playgrounds for ages 2-5 and 5-12, landscape and irrigation, tree replacement, hardscape including benches, trash receptacles, signage, parking improvements, stormwater retention, outdoor fitness areas, redevelopment of the wetland edge including scenic overlook, disk golf course re-establishment, and demolition of the existing boardwalk.

DANITA BRYANT, PLA

LANDSCAPE ARCHITECT

Ms. Bryant serves CPH as a Landscape Architect and Landscape Designer. She has extensive experience in Landscape Architecture. Ms. Bryant has extensive experience in the design of parks, streetscapes, and commercial/retail properties.

YEARS EXPERIENCE

20

EDUCATION

AAS in Drafting and Design, Wytheville Community College

LICENSES/ CERTIFICATIONS

Registered Landscape Architect - FL (No. LA6667318)

Red Bug Slough Preserve - Sarasota County's Red Bug Slough Preserve stands as a testament to the lasting beauty of natural Florida, offering visitors miles of both paved and unpaved walking/hiking trails. CPH provided landscape architecture services, contributing to the preservation and enhancement of this preserve by trail restoration, improving parking facilities, and creating a new playground complete with site furnishings and a wildlife garden.

Wedge Preserve Park - CPH provided planning, design, permitting, and construction administration for the development of a new regional community park in Parkland, Florida. The new park is approximately 36 acres and is partially funded through a FDEP grant. As part of the planning process, the team evaluated three distinct options to create an environmental park that merged active with passive recreation. Amenities that were considered include sand volleyball, pickleball, "Bank Shot" basketball course, Ninja Warrior course, trails, water features including environmental overlooks and preserves, softball fields, multi-purpose fields, and playgrounds.

Joe Moody Park - Planning and design for reconstruction of a park facility that was damaged due to hurricanes. The new facility includes a new 8,000-SF community center building, a restroom building utilizing a Client-provided proto-type, walk/jog track, lighting, playgrounds for ages 2-5 and 5-12, landscape and irrigation, tree replacement, hardscape including benches, trash receptacles, signage, parking improvements, stormwater retention, outdoor fitness areas, redevelopment of the wetland edge including scenic overlook, disk golf course re-establishment, and demolition of the existing boardwalk.

US 17-92 RiverWalk, Phase II - III (FDOT LAP) - Phase II - The FDOT LAP project included 1.5 miles of 10–14-ft-wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trailhead parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. Phase III - CPH provided planning, survey, and design services for a new 1.7-mile, 12-ft-wide trail that was part of a multi-phase project funded through a joint partnership with FDOT. This project followed the complete streets design elements with the provision of a multi-use trail, roadway safety improvements, traffic-calming design, roadway & trail lighting, utility design, structural seawall design, drainage improvements/design, irrigation design, beautification, hardscape and landscape design, scenic overlooks of Lake Monroe, way-finding design, pedestrian mid-block crossings (rectangular rapid flashing beacons), traffic studies, survey, and wetland mitigation.

FRANK N. IMBRUGLIA

PLANNER

Mr. Imbruglia serves CPH as Senior Land Planning Designer. He is responsible for design and plan preparation for commercial and residential clients. Additionally, he provides coordination with the client, regulatory agencies, and construction personnel. Mr. Imbruglia has professional experience in a wide range of land planning activities that include: extensive commercial master planning/site planning, residential site planning, golf course routing, land use feasibility studies, and entitlements.

YEARS EXPERIENCE

29

EDUCATION

A.A. in Drafting & Design

Cape Coral Northwest Cape and 7 Islands Vision Plan - The team provided planning, visioning, and public outreach for the development of a long-term Vision, Master, and Capital Plan for the City of Cape Corals Northwest Quadrant and its 7 Island Area. The study and master plan area consisted of 20 square miles with over 20 miles of frontage along the Matlacha Pass and its marine habitat. CPH prepared detailed overall vision plans to establish a "village character" for the area highlighting connectivity, compatibility, and context-based design alternatives. Design elements included complete streets, public lands utilization, mixed-use and commercial lands, target private lands for acquisition for public space, street tree plans, signage and theming plans, neighborhood identification and preservation, waterfront activation, and infrastructure expansion plans. As part of the plan, CPH provided analysis of economic analysis of different types of development and the identification of Public/Private Partnership opportunities to implement the master plan. The Vision and Master Plan established a 50-year implementation horizon.

Georgia Avenue District Redevelopment Vision/Master Plan - The team provided planning, visioning, and public outreach for the development of a long-term Vision, Master, and Capital Plan for the City of DeLand's Georgia Avenue District. Key to the Vision Plan was to identify key urban design and place-making elements that will set forth the blueprint for redevelopment in the area celebrating the entrepreneurial, historic, cultural, and urban design assets. This was achieved through context-sensitive design options responding to connectivity, compatibility, community outreach, opportunities/constraints, and the urban design assets of the study area. The Georgia Avenue District Vision Plan identifies a potential development scenario within context-compatibility driven sensitivity. The concept sets the basis for the establishment of the proper regulatory framework to guide redevelopment of this city asset. As part of the plan, CPH provided analysis of economic analysis of different types of development and the identification of Public/Private Partnership opportunities to implement the master plan.

Historic Goldsboro Boulevard Streetscape - CPH provided planning, design, and permitting services to the City of Sanford for the redevelopment of Historic Goldsboro Boulevard. The project included the design of streetscape improvements for the corridor from William Clark Avenue to South Persimmon Avenue. The streetscape design includes new parallel parking, landscape bulb-outs, street and pedestrian lighting, reconstruction of the sidewalks, repaving of the roadway, drainage improvements, and pedestrian crossings. The $2.5-Million improvement is a beautification project that is a catalyst for economic development within the corridor.

City of Lake Mary Conceptual Downtown Master Plan Alternatives and City Hall Expansion - CPH was asked to provide overall downtown design alternatives with respect to open space, hardscape, landscape, recreational opportunities, on-street parking, and pocket park opportunities to include locations for an interactive fountain. Services also included City Hall expansion alternatives, stormwater pond locations, and train station location opportunities. Disciplines involved included land planning, landscape architecture, architecture, and civil engineering.

KATHERINE N. SHAFER, AICP

PLANNER

Ms. Shafer serves CPH as Senior Land Planner. Her professional experience encompasses data research and analysis, report writing, permitting, feasibility studies, land use amendments/ rezonings, and Master Plan development. In addition, Ms. Shafer serves as the Project Manager for the Mount Dora Continuing Services program.

YEARS EXPERIENCE

3

EDUCATION

B.S. in Urban and Regional Planning, Florida Atlantic University

M.S. in Urban and Regional Planning, University of Central Florida

LICENSES/ CERTIFICATIONS

Certified Planner (AICP)

Project Manager for Continuing Services Contract with the City of Mount Dora - Overseeing all Engineering/Development projects received thorough CPH's Continuing Services Contract with the City of Mount Dora. This includes drafting and finalizing proposals, coordinating with Engineering/Surveying/Architecture/etc., providing plan reviews, and overseeing billing and approving invoices

CRA Master Plan Updates – City of Fort Myers - Working together with the Fort Myers CRA and subconsultants to create updates to CRA Redevelopment Plans. This includes hosting a series of Public Workshops, collecting and analyzing data, and drafting and finalizing reports using Adobe InDesign.

JOSE M. ORTIZ, MCE, P.E., S.E.

STRUCTURAL ENGINEER

Mr. Ortiz has extensive experience in structural engineering design and project management. His experience encompasses projects of all types and complexities, including commercial/retail, hospitals, educational facilities, recreational facilities, hotels/resorts, parking structures, residential, and multi-story office buildings. The depth of his technical understanding of systems and codes allows him to work with architectural/engineering teams to deliver cost-effective structural solutions to meet project goals.

YEARS EXPERIENCE

27

EDUCATION

M.E. in Structural Engineering, Cornell University

B.S. in Civil Engineering, Recinto Universitario de Mayaguez, University of Puerto Rico

LICENSES/ CERTIFICATIONS

Professional Engineer - FL (No. 67920)

Joe Moody Park - Planning and design for reconstruction of a park facility that was damaged due to hurricanes. The new facility includes a new 8,000-SF community center building, a restroom building utilizing a Client-provided proto-type, walk/jog track, lighting, playgrounds for ages 2-5 and 5-12, landscape and irrigation, tree replacement, hardscape including benches, trash receptacles, signage, parking improvements, stormwater retention, outdoor fitness areas, redevelopment of the wetland edge including scenic overlook, disk golf course re-establishment, and demolition of the existing boardwalk.

Wedge Preserve Park - CPH provided planning, design, permitting, and construction administration for the development of a new regional community park in Parkland, Florida. The new park is approximately 36 acres and is partially funded through a FDEP grant. As part of the planning process, the team evaluated three distinct options to create an environmental park that merged active with passive recreation. Amenities that were considered include sand volleyball, pickleball, “Bank Shot” basketball course, Ninja Warrior course, trails, water features including environmental overlooks and preserves, softball fields, multi-purpose fields, and playgrounds.

Orlando Sanford International Airport Terminal Expansion - The project included expansion of the terminal as well as extensive renovations to the existing passenger, security, and food service areas equaling 140,000 SF. The project included access improvements to the terminal area, addition of a new traffic signal, phasing and coordination with terminal management, airlines, and concessionaires. Additional coordination was required with Transportation Security Administration (TSA) on the new Consolidated Screening Area and with U.S. Customs and Border Patrol (CBP) for the Federal Inspection Station (FIS) improvements.

Melching Field NCAA Stadium Renovations – Design Criteria Package - Professional services for the creation of the Design Build Criteria Package for the Melching Field NCAA Stadium Renovations. CPH’s scope for the Design Build Criteria Package included a report detailing ADA deficiencies, structural analysis of the existing bleacher deck, design/build contract requirements, design development drawings, and performance specifications. CPH’s services for this project included Architectural, Civil, Surveying, Structural, Mechanical, Electrical, Plumbing, Fire Protection, and Landscape Architecture.

Leesburg Aquatic Complex - Planning, design, and permitting for the development of a regional aquatic facility. The facility will include an eight-lane competition facility designed to USA Swimming standards for high school competitions. The facility also included a recreational pool with interactive play features, zero entry, and a “free” swim area that can be utilized for swim education. Along with the recreational pool will be a water slide, shaded areas for party rentals, and shower facilities. The complex included an entry/ticket building, concession building, changing/locker facilities, and mechanical/equipment areas.

CHRISTOPHER DEWAAL, P.E., LEED AP

MEP ENGINEER

Mr. DeWaal has strong experience in the design and development of electrical power distribution systems in commercial, industrial, institutional, and utility settings. Most recently, his experience has been managing multi-disciplinary engineering/architecture personnel, and managing electrical and multi-disciplinary projects from $50k remodels to $100M+ greenfield construction. His strengths include strong communication skills with technical staff, construction contractors, and owner's representatives. He has a vast knowledge of electrical and safety compliance policies and studies, personnel management, and project management.

YEARS EXPERIENCE

31

EDUCATION

M.E.M. in Engineering Management, Kansas State University

M.S. in Electrical Engineering, Kansas State University

B.S. in Electrical Engineering, Michigan Technological University

LICENSES/ CERTIFICATIONS

Professional Engineer - FL (No. 58964)

LEED Accredited Professional

US 17-92 RiverWalk, Phase II - III (FDOT LAP) - Phase II - The FDOT LAP project included 1.5 miles of 10–14-ft-wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trailhead parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. Phase III - CPH provided planning, survey, and design services for a new 1.7-mile, 12-ft-wide trail that was part of a multi-phase project funded through a joint partnership with FDOT. This project followed the complete streets design elements with the provision of a multi-use trail, roadway safety improvements, traffic-calming design, roadway & trail lighting, utility design, structural seawall design, drainage improvements/design, irrigation design, beautification, hardscape and landscape design, scenic overlooks of Lake Monroe, way-finding design, pedestrian mid-block crossings (rectangular rapid flashing beacons), traffic studies, survey, and wetland mitigation.

Pine Street Roadway Improvements - Planning and design for roadway improvements along Pine Street in the City of Leesburg, Florida, from S. Canal Street to S. Lake Street. This section of Pine Street serves as the main east-to-west roadway connection through a historic minority community within Leesburg. Recently, it has also become the home of a major UF Hospital facility, as well as the City of Leesburg's new Aquatic Center. Due to all this recent development, the City commission approved this project for the purposes of 1) reconstructing the aging Pine Street roadway facility to bring it up to the latest standards and, 2) to add additional features to the roadway to improve on-street parking, add landscape and hardscape elements, replace the existing street lights, and improve traffic and pedestrian safety. These safety features are to include widening the sidewalks updating the storm drain system, the addition of raised crosswalks at key locations along Pine Street, as well as a roundabout at the intersection of Pine Street and Rambo Street. This roundabout will provide proper pedestrian crossings directly to the hospital and also will improve Pine Street's operations by eliminating an all-way stop and correcting a slight kink in the roadway's alignment. Due to the need for right-of-way acquisition from the UF Hospital to accommodate a full-sized roundabout, an alternative miniature roundabout ("traffic circle") was considered for this intersection.

City of Maitland – Fort Maitland Park Redevelopment - CPH is providing planning, design, and permitting to the City of Maitland for the redevelopment of an existing boat ramp park. The new park will include redesigned boat and car parking, a new bathroom facility, a playground, picnic shelter, and concrete path. In support of the new park design, the project is utilizing exfiltration trenches, pervious pavers, and landscaped stormwater detention areas for stormwater management on the site.

JEFFREY A. DEAL, P.E.

MEP ENGINEER

Mr. Deal serves as CPH Mechanical Engineering Manager for the firm's work in the United States and Puerto Rico. He has experience in HVAC, plumbing, and fire protection. He provides expertise in energy modeling software, cooling load programs, and energy compliance documentation such as FLAcom (Florida) and COMcheck (nationally).

YEARS EXPERIENCE

12

EDUCATION

B.S. in Mechanical Engineering, University of Central Florida

LICENSES/ CERTIFICATIONS

Professional Engineer - FL (No. 87451)

US 17-92 RiverWalk, Phase II - III (FDOT LAP) - Phase II - The FDOT LAP project included 1.5 miles of 10–14-ft-wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trailhead parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. Phase III - CPH provided planning, survey, and design services for a new 1.7-mile, 12-ft-wide trail that was part of a multi-phase project funded through a joint partnership with FDOT. This project followed the complete streets design elements with the provision of a multi-use trail, roadway safety improvements, traffic-calming design, roadway & trail lighting, utility design, structural seawall design, drainage improvements/design, irrigation design, beautification, hardscape and landscape design, scenic overlooks of Lake Monroe, way-finding design, pedestrian mid-block crossings (rectangular rapid flashing beacons), traffic studies, survey, and wetland mitigation.

St Andrews State Park – Campground Reinvestment - Project involved redesign of the entire campground (161 lots) including water, sewer, electric, and new access roadways throughout the campground. Design of three new Sanitary Sewer Lift stations to serve the new lot connections as well as the four existing bath houses. In addition, the campground was completely re-graded and elevated to install stormwater drains, ponds, and piping in order to decrease the flooding concerns that the park currently experiences.

Wedge Preserve Park - CPH provided planning, design, permitting, and construction administration for the development of a new regional community park in Parkland, Florida. The new park is approximately 36 acres and is partially funded through a FDEP grant. As part of the planning process, the team evaluated three distinct options to create an environmental park that merged active with passive recreation. Amenities that were considered include sand volleyball, pickleball, "Bank Shot" basketball course, Ninja Warrior course, trails, water features including environmental overlooks and preserves, softball fields, multi-purpose fields, and playgrounds.

Casselberry Wirz Park Planning & Design - Planning, conceptual design, and final design for the reinvestment and updating of Wirz Park to convert the facility into a regional facility with multiple uses. The team provided the project in two phases, with the first phase focused on a master plan with an estimated budget. To develop the master plan, the team held multiple design charrettes and public workshops to establish the vision for the updated facility, as well as garner public support. The project documents and funding were then placed as part of a voter referendum, and after approval CPH provided final design for the park. As part of the overall park the new design included a new entrance, relocation of maintenance building, expansion of the existing community building, new outdoor terrace, event patio with 20' x 20' pavilion, splash pad, zero-entry pool with interactive features, 5-lane/25-meter pool, shade structures, volleyball courts, basketball courts, playground, and trail upgrades.

THOMAS J. GALLOWAY, PSM

SURVEYOR

Mr. Galloway has extensive experience in the surveying and mapping profession and has a Bachelor of Science of Surveying and Mapping from the University of Florida. His experience ranges from working in the field and office on small to large development projects, to serving as party chief/ survey CADD technician, project manager, and survey manager. Mr. Galloway has served as Principal and Director of the Surveying Division of the firm since its establishment in 2001. He has overseen the department's growth from two survey crews to managing the current seven survey crews. Additionally, he has been personally involved in over 2,500 surveys while at CPH.

YEARS EXPERIENCE

34

EDUCATION

B.S. in Surveying and Mapping, University of Florida

LICENSES/ CERTIFICATIONS

Professional Surveyor & Mapper - FL (No. 6549)

NCEES Council No. 1291

SSA-ESA 36" Water Main and 24" Reclaimed Water Main & J. Lawson Repump Station Project - CPH provided engineering services to OCU for the connection of the Southern Service Area to the Eastern Service Area with the potable water and reclaimed water system and repump station. These services included preliminary design report, final design, MOT design, survey, environmental assessment, geotechnical investigation, bidding, and construction administration. The project includes the installation of approximately 7 miles of parallel 36-inch potable water main and 24-inch reclaimed water main from J. Lawson Blvd. to Moss Park Rd via a combination of directional drill, jack and bore, and open-cut installation. The project corridor was through multiple jurisdictions which required coordination and permitting with Tavistock, GOAA, CSX, City of Orlando, Orange County, and CFX. The re-pump station includes general piping, a building, pumps, electrical equipment, controls and future chlorination feed equipment, stand-by generator and aboveground fuel tank, general site grading, and improvements.

Joe Moody Park - Planning and design for reconstruction of a park facility that was damaged due to hurricanes. The new facility includes a new 8,000-SF community center building, a restroom building utilizing a Client-provided proto-type, walk/jog track, lighting, playgrounds for ages 2-5 and 5-12, landscape and irrigation, tree replacement, hardscape including benches, trash receptacles, signage, parking improvements, stormwater retention, outdoor fitness areas, redevelopment of the wetland edge including scenic overlook, disk golf course re-establishment, and demolition of the existing boardwalk.

Leesburg Teen Center - A 10,000-SF addition to an existing recreation center, the Leesburg Teen Center is multi-use facility that houses afterschool programs for youths ages 5-18. The programs are operated by the Boys & Girls Club of Central Florida and the building includes game rooms, computer labs, art and music spaces, offices, and a food preparation space. The addition also serves as a re-imaging of the main entry into the existing recreation center. The addition is organized functionally to separate the spaces by age groups, with the teens located to the rear of the spaces and the younger children at the front. Both age groups have exterior dining and activity patios to extend the opportunities for learning and engagement beyond the interior confines of the facility.

PAUL J. KATREK, PSM

SURVEYOR

Mr. Katrek has extensive experience in the surveying and mapping profession. His experience ranges from working in the field and office on small to large development projects, to serving as an Instrument Man, Party Chief/Survey CADD Technician, Project Manager and Survey Manager. Mr. Katrek is proficient in the use of computer software programs and field equipment such as: AutoCAD Land Development Desktop, TDS-Data Collection hardware and software, Topcon & Leica total stations, Trimble Post Processing Software, Leica GPS Equipment, and C & G Software.

YEARS EXPERIENCE

33

EDUCATION

A.S. in Architecture & Building Technology, Daytona Beach Community College

LICENSES/ CERTIFICATIONS

Professional Surveyor & Mapper - FL (No. 6233)

NCEES Record No. 1342

Orlando Sanford International Airport Terminal Expansion - The project included expansion of the terminal as well as extensive renovations to the existing passenger, security, and food service areas equaling 140,000 SF. The project included access improvements to the terminal area, addition of a new traffic signal, phasing and coordination with terminal management, airlines, and concessionaires. Additional coordination was required with Transportation Security Administration (TSA) on the new Consolidated Screening Area and with U.S. Customs and Border Patrol (CBP) for the Federal Inspection Station (FIS) improvements.

US 17-92 RiverWalk, Phase II - III (FDOT LAP) - Phase II - The FDOT LAP project included 1.5 miles of 10–14-ft-wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trailhead parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. Phase III - CPH provided planning, survey, and design services for a new 1.7-mile, 12-ft-wide trail that was part of a multi-phase project funded through a joint partnership with FDOT. This project followed the complete streets design elements with the provision of a multi-use trail, roadway safety improvements, traffic-calming design, roadway & trail lighting, utility design, structural seawall design, drainage improvements/design, irrigation design, beautification, hardscape and landscape design, scenic overlooks of Lake Monroe, way-finding design, pedestrian mid-block crossings (rectangular rapid flashing beacons), traffic studies, survey, and wetland mitigation.

W. Central Blvd. Complete Street Design/Build - 0.55-mile complete street project associated with the Orlando City Soccer MLS Stadium. The project included complete roadway reconstruction including underlying brick roadway salvaging, wide pedestrian and event space along the corridor for game days, bus rapid transit lanes, signal improvements, and lighting improvements. The project included drainage upgrades as well as upsizing the sanitary sewer from an 8-in line to a 21-in line, and undergrounding OUC power and communication (including the duct bank design). Extensive utility coordination. Coordination with FDOT/SGL to have concurrent Maintenance of Traffic Plans for work within the Ultimate I-4 Construction project. Permitting with FDOT/SGL, SJRWMD, and FDEP.

AMY E. DALY, LEED AP

ENVIRONMENTAL SCIENTIST

Mrs. Daly serves CPH as Director of Environmental Department. She has extensive environmental consulting experience with project management, environmental resource assessments, wetland delineation, permitting, mitigation design and implementation, land management, habitat mapping, jurisdictional determinations, wetland functional analyses, protected wildlife surveys and management programs, field survey design and habitat restoration, tortoise surveys, and permitting and relocation, including commensal species. Mrs. Daly has served as an expert witness on various environmental matters for condemnation proceedings.

YEARS EXPERIENCE

32

EDUCATION

M.B.A., Florida Memorial University, Summa Cum Laude

B.S. in Biological Sciences, Florida State University

LICENSES/ CERTIFICATIONS

Authorized Gopher Tortoise Agent (No. GTA-09-00145)

LEED Accredited Professional

U.S. Army Corps of Engineers Wetland Delineator

Florida Unified Mitigation Methodology Course

Qualified Stormwater Management Inspector

Prescribed Burner

Scuba Diver

West Leesburg Neighborhood Resource Center Project - CPH was commissioned to design a new, 9,000-SF Neighborhood Resource Center for the City of Leesburg. CPH is responsible for full design services including survey, civil, landscape, architectural, and MEP. The Center will include meeting room spaces for large and small groups, a computer lab, office space for local community service providers, conference rooms for miscellaneous social groups, and a kitchen/café facility.

OUC Warehouse Expansion and Improvements Design-Build - The project consisted of a new, 9,506-SF pre-engineered metal building warehouse addition that ties into the existing warehouse building for the Orlando Utilities Commission. This facility stores non-combustible material. This project also includes a new pre-manufactured modular structure located within the existing warehouse. This serves as the new breakroom and restrooms for the facility. All associated structural, mechanical, electrical, and civil engineering is included within the design.

Joe Moody Park - Planning and design for reconstruction of a park facility that was damaged due to hurricanes. The new facility includes a new 8,000-SF community center building, a restroom building utilizing a Client-provided proto-type, walk/jog track, lighting, playgrounds for ages 2-5 and 5-12, landscape and irrigation, tree replacement, hardscape including benches, trash receptacles, signage, parking improvements, stormwater retention, outdoor fitness areas, redevelopment of the wetland edge including scenic overlook, disk golf course re-establishment, and demolition of the existing boardwalk.

Orlando Sanford International Airport Terminal Expansion - The project included expansion of the terminal as well as extensive renovations to the existing passenger, security, and food service areas equaling 140,000 SF. The project included access improvements to the terminal area, addition of a new traffic signal, phasing and coordination with terminal management, airlines, and concessionaires. Additional coordination was required with Transportation Security Administration (TSA) on the new Consolidated Screening Area and with U.S. Customs and Border Patrol (CBP) for the Federal Inspection Station (FIS) improvements.

City of Port Orange: Gopher Tortoise Recipient Site Management & Permitting - CPH conducted the management, permitting, and compliance reporting for the City's tortoise recipient site since 2008. CPH scientists perform the compliance monitoring, vegetation surveys, and gopher tortoise surveys simultaneously. CPH coordinated with the City and donor sites, collected tortoise morphological data, provided compliance reporting, installed silt fence temporary penning, and conducted various other management tasks. The data collected for FFWCC compliance monitoring is voluminous and uses GIS to spatially analyze the ecological data collected for facilitates compliance reviews.

DAVID A. LANDERS

ENVIRONMENTAL SCIENTIST

Mr. Landers serves the firm of CPH as a Senior Environmental Scientist. David has extensive experience in managing and conducting biological assessments and related studies. These efforts have typically involved projects requiring dredge and fill, environmental resource permits, consent to use sovereign submerged lands, and applications of the Endangered Species Act. Mr. Landers has extensive experience in the environmental aspects of transportation planning, final design, and design-build projects.

YEARS EXPERIENCE

30

EDUCATION

B.S. in Zoology, University of South Florida

B.A. in Russian, University of South Florida

LICENSES/ CERTIFICATIONS

Authorized Gopher Tortoise Agent (No. GTA-15-00035)

Qualified Stormwater Management Inspector

FDOT Certified, Water Quality Impact Evaluator

Prescribed Fire Course

SSI Advanced Open Water SCUBA Diver

ISA Certified Arborist

Manatee County - Kingfish Boat Ramp - CPH is providing redevelopment of existing Kingfish Boat Ramp to include replacement/addition of boat ramp single launch lanes, paving of gravel parking lot, reconfiguration of parking area and additional trailer parking spaces, addition of a stormwater management facility, new dock/pile system, and new sea wall. The redevelopment will substantially increase opportunity for tourism and economic development in the area by providing access to coastal waters for the opportunity of experiencing Florida's iconic sportfishing and wildlife. Innovative techniques used to design the seawall: wave action against seawall, dock, and boat ramp were modeled using computational fluid dynamics and numerical modeling software to determine the necessary reinforcement of the structures.

Joe Moody Park - Planning and design for reconstruction of a park facility that was damaged due to hurricanes. The new facility includes a new 8,000-SF community center building, a restroom building utilizing a Client-provided proto-type, walk/jog track, lighting, playgrounds for ages 2-5 and 5-12, landscape and irrigation, tree replacement, hardscape including benches, trash receptacles, signage, parking improvements, stormwater retention, outdoor fitness areas, redevelopment of the wetland edge including scenic overlook, disk golf course re-establishment, and demolition of the existing boardwalk.

City of Sarasota – Arlington Park and Aquatic Complex Locker Room Upgrades - The project will include architectural services to address all ADA issues within the locker rooms and restrooms (including the unisex restroom located off of the hallway), replace the lockers, remodel the existing wall separating the restroom from the shower area, add new vanities within the female locker room, add new flooring material to match the new flooring throughout the remaining portion of the building, and adjust the men's room showers to account for privacy at each shower head.

City of Sarasota – Turtle Beach Park Site Improvements - CPH is providing Sarasota County with site planning, engineering, permitting, landscape design, environmental, and bidding/construction administration services. The improvements include a canoe and kayak launching facility, playground facility, gazebo, multiple pavilion structures, parking lot expansion, and new sidewalks to connect the new amenities to the existing site amenities. Several of the proposed improvements are adjacent to Blind Pass Lagoon, where Water Course Buffer requirements and a sensitive Environmental Ecosystem are crucial to the unique design and associated permitting.

EMILY REMPE

GIS ANALYST

Ms. Rempe serves CPH as a Project Coordinator and GIS Analyst. Ms. Rempe begins each project by compiling a complete permitting due diligence report. She strives to be knowledgeable of permit submittal requirements in accordance to municipal guidelines. During review periods, Ms. Rempe communicates with municipalities to anticipate and maintain a plan review schedule. She coordinates with our team for a timely response to plan review comments. Her primary goal is to effectively communicate permitting and scheduling details with our design team and with our client.

YEARS EXPERIENCE

8

EDUCATION

B.A. in Anthropology, University of Central Florida

Pursuing M.S. in Geographic Information Science, University of West Florida (Spring 2025)

West Georgia Avenue Complete Street Improvements - Development of a vision plan and the creation of a corridor that improved pedestrian connectivity/safety, encouraged economic growth and investments, and created a "festival" street. The roadway was designed with an inverted crowned section sending the stormwater to the center of the street, and Old Castle Adobe concrete pavers were used in a decorative herringbone pattern down the street. The improvements included sidewalk removal and replacement, modification of access drives and ramps for accessibility, design of decorative lighting, roadway rehabilitation, street furniture, signage, decorative pavers and related infrastructure. Landscape architectural services included design of irrigation system and plantings.

US 17-92 RiverWalk, Phase II - III (FDOT LAP) - Phase II - The FDOT LAP project included 1.5 miles of 10–14-ft-wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trailhead parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. Phase III - CPH provided planning, survey, and design services for a new 1.7-mile, 12-ft-wide trail that was part of a multi-phase project funded through a joint partnership with FDOT. This project followed the complete streets design elements with the provision of a multi-use trail, roadway safety improvements, traffic-calming design, roadway & trail lighting, utility design, structural seawall design, drainage improvements/design, irrigation design, beautification, hardscape and landscape design, scenic overlooks of Lake Monroe, way-finding design, pedestrian mid-block crossings (rectangular rapid flashing beacons), traffic studies, survey, and wetland mitigation.

Melching Field NCAA Stadium Renovations – Design Criteria Package - Professional services for the creation of the Design Build Criteria Package for the Melching Field NCAA Stadium Renovations. CPH's scope for the Design Build Criteria Package included a report detailing ADA deficiencies, structural analysis of the existing bleacher deck, design/build contract requirements, design development drawings, and performance specifications. CPH's services for this project included Architectural, Civil, Surveying, Structural, Mechanical, Electrical, Plumbing, Fire Protection, and Landscape Architecture.

Islamorada, Village of Islands – Founder's Park Dog Park - Islamorada, Village of Islands owns and maintains an existing 1.6-acre dog park located at the Founder's Park in Islamorada. The dog park was mostly sod and had no extra amenities. CPH met with the Village and the residents to discuss features of the park that the community needed. CPH designed the plan and features for the new dog park and worked with the Village through the design, permitting, and bid phases of the project. The project was federally funded through a grant and CPH worked with the Village to meet their budget requirements during the bidding process.

ROCCO R. NASSO, P.E.

CEI

Mr. Nasso serves CPH as Director of CEI and Sr. Project Manager. His design experience includes extensive utility design and permitting, wastewater collection/transmission systems, stormwater calculations and modeling (ICPR and Hydraflow), water transmission main design and modeling (WaterCAD), pump sizing, and lift station design. His other duties include the Construction Engineering and Inspection (CEI) over numerous utility projects, water and wastewater treatment facilities, and roadway projects.

YEARS EXPERIENCE

24

EDUCATION

B.S. in Civil Engineering, University of Central Florida

LICENSES/ CERTIFICATIONS

Professional Engineer - FL (No. 64727)

Qualified Stormwater Management Inspector

Advanced Maintenance of Traffic Certification

OSHA Construction Safety and Health Certification

CTQP Asphalt Paving Technician Level I & II

Volusia Southeast Regional Water Reclamation Facility Improvements - New Biological Nutrient Removal System as well as expansion from 0.60 Average Annual Daily Flow (AADF) to 1.20 MGD AADF. 5-Stage Biological Nutrient Removal (BNR) process to meet AWT criteria and providing Class I reliability. Future expansion capacity capabilities in the range of 2.5 to 3.0 MGD AADF. New Septage Receiving Station designed to receive an estimated minimum of 60,000 GPD with capabilities of being expanded to receive 120,000 GPD.

Historic Goldsboro Boulevard Streetscape - CPH provided planning, design, and permitting services to the City of Sanford for the redevelopment of Historic Goldsboro Boulevard. The project included the design of streetscape improvements for the corridor from William Clark Avenue to South Persimmon Avenue. The streetscape design includes new parallel parking, landscape bulb-outs, street and pedestrian lighting, reconstruction of the sidewalks, repaving of the roadway, drainage improvements, and pedestrian crossings. The $2.5-Million improvement is a beautification project that is a catalyst for economic development within the corridor.

SR 46 Utility Relocations - CPH provided design, permitting, and CEI services for the relocation of existing utilities along a 2.7-mile stretch of SR 46 between Mellonville Ave. and SR 415 in the City of Sanford, Florida. The overall project included 10,100 ft of new 12-inch water main; 675 ft of new 6-10-inch water main; 4,200 ft directional drill 12-inch water main; 8,100 ft of new 6-8-inch force main; 900 ft directional drill 6-8-inch force main; 1,590 ft of new 10-inch sanitary sewer and manholes; 2,350 ft of new 20-inch reclaimed water main; one new Master Meter Assembly; and the removal of approximately 26,900 ft of existing water main, force main, sanitary sewer, and reclaimed water main.

City of Sanford Management Services - Beginning as Clark-Dietz and Associates and subsequently as CPH since incorporation in 1981, CPH has been the City of Sanford's consulting engineer since 1960. In our capacity we have been a vital partner in establishing and maintaining the City's infrastructure needs through the development and implementation of their Capital Improvement Plan (CIP). At the city's bequest, CPH provided the initial master planning, and subsequently developed, an initial CIP. As engineers for the City of Sanford, CPH has been involved in the planning, design, and construction phases of a $300 million overall improvement program to the utilities system. The Facilities Planning for the City involved extensive investigations into disposal sites, including dedicated large tracts, privately owned residential properties, as well as golf courses and municipal properties such as parks, golf courses, and city complexes.

CLINT T. IANNOTTI

CEI

Mr. Iannotti serves the firm of CPH as Project Coordinator. He has been with CPH since 1999. He has been involved with municipal design and construction. His work consists of computer-aided drafting, project inspection, and construction administration of projects for municipal and private clients. Mr. Iannotti has extensive experience working with municipal and private clients. He often serves as Project Coordinator that includes attending weekly progress meetings, utility coordination meetings, and construction administration.

YEARS EXPERIENCE

28

EDUCATION

Architectural/Structural AutoCAD Diploma, St. Augustine Technical Center

LICENSES/ CERTIFICATIONS

CTQP Final Estimates, Level I & II

Advanced Maintenance of Traffic Certification

Intermediate Maintenance of Traffic Certification

Qualified Stormwater Management Inspector

Critical Structures Construction Issues Course

Ultimate I-4 Authorized Owner's Representative Services - CPH performed owner's representative, construction management, and project design services for multiple utility agencies as part of the Ultimate I-4 expansion project that was performed by FDOT. The I-4 Ultimate Project was designed and built through a Public Private Partnership (P3) Team, I-4 Mobility Partners, and included over 21 miles of corridor improvements. CPH was contracted by multiple agencies directly to act as their agent representing their utility interests. CPH acted as the owner's agent and construction manager for the City of Orlando, Orange County, City of Altamonte Springs, City of Maitland, and the Town of Eatonville. CPH provided engineering oversight including peer review of water, sewer and stormwater utility relocation documents prepared by the P3 design team. The team reviewed roadway information, evaluated conflict resolution plans and Capital Improvement Plans to recommended system upgrades. CPH represented each of the agencies through negotiations with the P3 entity related to scope or work, impacts to agency owned utilities, costs associated with relocations, and project schedule. For utility designed performed by the P3 entity, CPH performed design oversight of their design consultants including conformance to agency standards, quality control, and providing review on behalf of the agency at 30%, 60%, and 90% design. As part of the contract, agencies were allowed to design improvements themselves and share in the costs with the P3. These instances included areas where an agency was wanting to upgrade the utilities, or maybe had parallel projects within their Capital Plan. CPH represented each agency in the evaluation as well as managed the design. For some projects, CPH also provided full design and permitting to meet the aggressive P3 entity schedule related to the Ultimate I-4 improvements. CPH also provided full-time construction inspection and administration services for the entire corridor for each agency.

OUC-Watermain Replacement Design, Hughey Avenue, Division Avenue, & Garland Avenue - The project included 5,300 LF of 20-inch DIP water main to replace the existing 24-inch water main along Hughey Avenue from Livingston Street to just north of South Street and along Division Avenue from just north of Anderson Street to Gore Street. This project also included installation of approximately 1,000 LF of DIP water main to replace the existing 24-inch water main along Garland Avenue from Washington Street to Robinson Street and along Washington Street from Garland Avenue to Hughey Avenue. Also, the abandonment of approximately 700 LF of 24-inch water main on Garland Avenue from Robinson Street to Livingston Street.

SUB-CONSULTANT RESUMES

DRMP

SCOTT
GARTH, PE, LEED AP ND

Stormwater

32 Years of Experience | **27** Years at DRMP

Experience Summary

Scott Garth, PE, LEED AP ND is a Vice President at DRMP, leading the Transportation Market Sector and serving as Project Manager in the Water Resources Division. He oversees project management, client relations, staff development, and technical design. With extensive experience in transportation and drainage design, he provides sustainable, cost-effective solutions and holds LEED AP ND certification. A former FDOT Drainage Engineer (1999–2003), Mr. Garth is well-versed in FDOT drainage criteria and stormwater modeling tools used across Florida, including ICPR, Ponds, Modret, XPSWMM, and HEC-RAS. He has deep expertise in Best Management Practices, erosion control, and is NASSCO-certified in pipeline assessment.

Relevant Project Experience

Critical Culvert Inspections 2024, Hillsborough County, Florida: Project Manager for visual inspection of 874 storm pipes to identify repair or replacement needs. Used FHWA methodology and ESRI Field Maps for field inspection, GIS inventory, condition rating, and documentation.

Ocean Boulevard/Higel Avenue Drainage Improvements, Sarasota County, Florida: Project Manager for drainage system upgrades to reduce chronic flooding, including outfall analysis, design, cost estimates, permitting, utility coordination, grant support, SUE, and public outreach.

Dunedin CDS Units, City of Dunedin, Pinellas County, Florida: Project Manager for the design of three stormwater treatment units to be installed within existing storm sewer systems to improve water quality in St. Joseph Sound. Responsible for plans production and coordination with SWFWMD and FDOT to obtain permits. The project was cooperatively funded by the SWFWMD.

Imperial Point Drainage Study - Stormwater Continuing Contract, Pinellas County, Florida: Project Manager for a drainage study to alleviate residential flooding. The study includes data collection, survey services, geotechnical, ICPR4 modeling, alternative analysis and a Preliminary Engineering Report.

Professional Registration
Professional Engineer
No. 54018, Florida, 1999

Education
Bachelor of Science in Civil Engineering, University of South Florida, 1993

Certifications
LEED AP ND, No. 10691885, 2018
PACP/MACP, No. U121216666

Software Aptitude
ASAD
AutoCAD
EPA-SWMM
FDOT Storm Sewer Tabulations
GEOPAK
HC-SWMM
HEC- RAS
HY 8 – Culvert Analysis
MicroStation
PONDS
StormWise (formerly ICPR)
WSPRO
XP-SWMM

Professional Affiliation
American Public Works Association (APWA)
American Society of Civil Engineers (ASCE)
American Water Resources Association (AWRA)
Florida Engineering Leadership Institute (FELI) - Class of 2014
Florida Engineering Society (FES)
Florida Stormwater Association (FSA)
Society of American Military Engineers (SAME)
Tampa Bay Association of Environmental Professionals (TBAEP)

JOHN **HURYN, PE**

Stormwater

9 Years of Experience | **8** Years at DRMP

Experience Summary

John Huryn, PE, serves as a Drainage Engineer for DRMP's Transportation Market Sector. He is currently responsible for providing plans production support and assisting with research and roadway analysis for design and report generation. Mr. Huryn is proficient with MicroStation and AutoCAD.

Professional Registrations
Professional Engineer
No. 97837, Florida, 2024

Education
Bachelor of Science in Civil Engineering, Auburn University, Alabama, 2015

Software Aptitude
AutoCAD Civil 3D
GISPro
MicroStation
OpenRoads Designer (ORD)
Stormwater Management Model (SWMM)
StormWise (formerly ICPR)

Professional Affiliation
American Society of Civil Engineers (ASCE)
American Society of Highway Engineers (ASHE)

Relevant Project Experience

Professional Stormwater and Environmental Continuing Services, Hillsborough County, Florida:

- **Temple Terrace Highway Stormwater Pump Station and Force Main Design, Hillsborough County, Florida**: Drainage Engineer for the design of a new stormwater pump station and force main to alleviate chronic roadway flooding. Design consisted of dual 75-HP submersible pumps, pump station and 2,500-LF of 16-inch DIP force main. The project was permitted through the SWFWMD. DRMP is presently preparing a cost-benefit analysis for SWFWMD co-operative funding. The project involved extensive coordination with the City of Temple Terrace for the proposed outfall along 78th Street. DRMP also provided full topographic survey and subsurface utility locating.

Professional Engineering Services, City of Tampa, Hillsborough County, Florida: Drainage Engineer responsible for drainage/stormwater design services in support of new construction, alterations and maintenance or repair projects on an as needed basis.

Watershed Management Design Services, Hillsborough County, Florida: Drainage Engineer responsible for drainage design, drainage documentation, estimate of quantities, utility coordination, permitting services for this Grass and Flag Pond Outlet project which consisted of a demolition of an existing house and construction of a pond to alleviate flooding. Tasks included drainage design, permitting services and development of cost estimates.

East Lake and Jean Street Drainage Improvements, Hillsborough County, Florida: Drainage Engineer for this watershed study, design and permitting for chronic flooding within the residential neighborhood adjacent to East Lake. DRMP has updated the County Watershed HCSWMM model to develop improvement alternatives. Proposed is the upsizing of existing pipes to provide a 25-year LOS along Harney Road and a 5-year LOS within the subdivision.

Zambito Road Drainage Improvements, Hillsborough County, Florida: Drainage Engineer drainage design, drainage documentation, estimate of quantities, permitting services, utility coordination, and post design that supported the alleviation of roadway flooding along Zambito Road. The project included the design of three new storm pipe crossings at areas of ponding. The new storm pipe crossings required the deflection of County owned water mains. The project also included utility coordination and Traffic Control plans. A Southwest Florida Water Management District permit modification was obtained.

CHRISTOPHER **SNEE, PE**

Structures Lead

17 Years of Experience | **1** Year at DRMP

Experience Summary

Christopher Snee, PE, serves as a Senior Structures Engineer for DRMP's Transportation Market Sector. The majority of Mr. Snee's experience involves the design of highway bridges, retaining walls, and other miscellaneous transportation structures.

Relevant Project Experience

13th Street/Sands Point Drive Bridge Replacement, Pinellas County, Florida: Senior Structures Engineer for the replacement of the existing 13th Street/Sands Point Drive bridge over Pine Key Cutoff Canal in Tierra Verde. The proposed roadway typical section for the 13th Street bridge includes two 12-foot travel lanes, two 6-foot (minimum) buffered bicycle lanes and sidewalk on both sides of the roadway. This bridge serves as the only access to Pine Key community and will require phased construction. Services being provided include bridge design, roadway analysis and plans, drainage, utility coordination, utility design, geotechnical, survey, public involvement and post-design services. Permitting was also required from Pinellas County, the Southwest Florida Water Management District(SWFWMD), the US Army Corps of Engineers (USACE) and the Florida Department of Environmental Protection (FDEP).

I-275 at I-4 Interchange Improvements Design-Build, The Lane Construction Corporation for FDOT District Seven, Hillsborough County, Florida: Senior Structures Engineer for this interchange improvements project, which includes the design and construction of six new bridges, eight bridge widenings/modifications, four existing bridge coatings, and two existing bridge railing retrofits; widening the existing roadway from 2-lanes to 3-lanes in specific segments; improving existing drainage facilities, and providing complex temporary traffic control plans throughout each phase of the project to minimize disruption for all users. The design-build team's innovative alternative technical concept includes an innovative new dual-lane flyover bridge to accommodate the I-275 southbound traffic onto I-4 eastbound without needing a complex widening. This eliminates over 100 detours by performing off-line construction and provides FDOT with the opportunity to add a new I-4 eastbound auxiliary lane to the Selmon Expressway exit just east of the downtown interchange. Other project design elements include permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, landscape, and geotechnical.

Professional Registration
Professional Engineer
No. 79379, Florida, 2015

Education
Bachelor of Science in Civil Engineering,
University of South Florida, 2011

Software Aptitude
CSIBridge
FBPier
Larsa
Leap Bridge
MathCADD
MDX
MicroStation
OpenBridge Modeler
OpenRoads Designer (ORD)
PGSplice
Response 2000
Shoring Suite (CivilTech)
SPColumn
STAAD

Other Skills
CIP PT Continuous Bridge
Concrete PT Diaphragms
Culvert Design
Load Ratings
Miscellaneous Structures
OH Truss Structures (FDOT)
OH Truss Structures (Custom)
PC PS PT Cont. Bridge
Post-tension Concrete
Prestressed Concrete
Seismic Demand/Capacity
Steel Integral Bent Cap
Steel Plate Girder (Cont.)
Steel Plate Girder (Curved)
Retaining Walls (FDOT)
Retaining Walls (Seismic)

TOM YOCOM, PSM, PLS

Subsurface Utility Engineering (SUE) Manager

44 Years of Experience | **7** Years at DRMP

Experience Summary

Tom Yocom, PSM, PLS, serves as a SUE Division Manager for DRMP's Surveying and Mapping/Geospatial Market Sector. His responsibilities include the SUE Division resource planning and supervision of subsurface utility engineering crews, project planning and management, quality assurance and quality control of subsurface utility engineering deliverables and marketing and business development. Mr. Yocom's experience includes a wide variety of survey disciplines for projects such as higher education, municipal, highway transportation, rail, oil/gas and land development.

Professional Registrations
Professional Surveyor and Mapper, No. 5653, Florida, 1996
Professional Land Surveyor No. 4943, North Carolina, 2010
Registered Professional Land Surveyor, No. 6303, Texas, 2011

Education
Diploma in Civil Engineering Technology, Minnesota State CTC, 1982

Professional Affiliation
American Society of Highway Engineers (ASHE)
Florida Surveying and Mapping Society (FSMS)
North Carolina Society Of Surveyors (NCSS)
National Society of Professional Surveyors (NSPS)
American Council of Engineering Companies (ACEC)
Florida Utilities Coordinating Committee (FUCC)

Relevant Project Experience

Hillsborough County Stormwater Miscellaneous Professional Services, Hillsborough County, Florida: Primary Survey/SUE Project Manager-in-Charge responsible for several task orders providing both survey and SUE support to the design team. These projects are typically for pump station improvements, culvert replacements and drainage canal design. The survey services provided include topographic Digital Terrain Models, property and right-of-way ties and preparation of sketch and descriptions for easement acquisition. The SUE services provided are Quality Level B Designating and Quality Level A VVH Test Holes at potential conflicts with design elements of the project.

Del Prado Boulevard Corridor - Design of Unimproved Alleys, City of Cape Coral, Lee County, Florida: SUE Project Manager providing Quality Level B and A services in support of the design team for this City of Cape Coral capital improvement project where the city desired to improve certain alleys along the Del Prado Boulevard corridor, between SE 13th Street and Miramar Street, to be delivered in the Design, Bid, Build method. The City identified eight sections, consisting of 12 blocks, that incorporate approximately 1.21 miles of unimproved alleys adjoining 2.32 miles of previously paved alleys. As part of the effort to avoid conflict with existing utility facilities, DRMP completed 24 Quality Level A Test Holes.

Resurfacing Continuing Services Contract No. CAE21, FDOT District One, Various Counties, Florida: SUE Project Manager responsible for directing the collection of SUE data including CI/ASCE 38-02 Quality Levels D, C, B, and A in support of the design team for this continuing professional services contract. The primary purpose is to extend the service life of existing highways, while enhancing safety and operations of all modal users. Services include preparing plans and specifications for resurfacing, rigid pavement rehabilitation, turn lane additions, access management, intersection improvements, lighting, rail safety, signalization and safety-funded projects. Work elements typically include Quality Level B and Quality Level A to minimize potential conflicts with existing facilities.

SUB-CONSULTANT RESUMES

JOHN V. SOBCZAK, PE

Principal Engineer

Education

M.S. Civil Engineering, University of Central Florida, 2007

B.S. Civil Engineering, University of Central Florida, 2005

Licenses and Registration

License, Florida No. 71407

Years of Experience

19 Years Experience

Memberships

Florida Engineering Society

National Society of Professional Engineers

Bio

Mr. Sobczak is well versed in the requirements for the preparation of structural design calculations and high-quality contract documents for water and wastewater treatment facilities and the industrial structures and buildings at those facilities. This experience stems from having provided services to various governmental agencies, industrial concerns, consulting engineers, and architect/engineers. In addition, he has been a critical member of a successful small engineering company, where he has performed many types of designs outside of the water/wastewater industry which include earthen dams, stadiums, bridges, elevated water storage tanks, and commercial and retail structures. This broad experience allows Mr. Sobczak to provide solutions to engineering problems that are most cost effective and simple enough to ensure smooth construction and superior results.

Representative Project Experience

Existing Elevated Water Storage Floating Dock Evaluation
City of Mount Dora, Florida
Role: Structural engineer of record for the evaluation of an existing dock which had observed damage due to excessive wave action and corrosion. The evaluation was intended to provide a conclusion as to the cause of the observed failures and also recommendations for repairs.

Toho Water Villas At Fortune Place Retaining Wall Replacement
Kissimmee, Florida

Role: Structural engineer of record for the design of a new steel sheet pile wall adjacent to a failed retaining wall at a large body of water. The new sheet pile wall was designed and installed to accommodate a larger load and included a concrete cap beam.

River Pump Station Hazard Mitigation Louisiana State Penitentiary
Angola, Louisiana
Role: Structural engineer of record for the design of a new canal retaining wall and rehabilitation along with a new pump station. The site improvements included a new steel sheet pile wall along with steel cap beam. A control structure consisted of a concrete wall w/ gates. The pump station is located partially within the canal and included rehabilitation to the existing components.

DAVID S. MORRIS, PE

Principal Engineer

Education

M.S. Civil Engineering, University of Central Florida, 2011

B.S. Civil Engineering, University of Central Florida, 2008

Licenses and Registration

License, Florida No. 74717

Years of Experience

17 Years Experience

Memberships

Florida Engineering Society

National Society of Professional Engineers

Bio

Mr. Morris has 17 years of experience in the field of structural engineering, where he has been intimately involved during all phases of design and construction for new and existing structures and facilities including buildings and facilities subject to corrosive/marine enviroments. In addition, he routinely performs field observations and performs structural evaluations of existing structures. His technical expertise combined with his knowledge and experience of construction practices results in effective and economical designs with exceptional results.

Representative Project Experience

City of Dunedin, North Douglas Avenue Sheet Pile Wall
Dunedin, Florida
Role: Structural engineer of record for the design of a vinyl sheet pile that was installed to act as a water control structure at Hammock Park in Dunedin. The wall was approximately 90 feet in length. Vinyl material was selected due to its superior corrosion resistance and low maintenance requirements.

TECO Big Bend Station - Tunnel #1 Intake Penetration
Apollo Beach, Florida
Role: Structural Engineer of record for the design of an award-winning design-build project. The project design required to tap into an existing seawater effluent tunnel from the power facility to allow the water to be directed to the Tampa Bay Water Desalination plant. Both the existing tunnel and the new diversion structures are supported on pile foundations.

City of Melbourne Front Street and Balland Park Boat Ramp Restroom Replacements, Melbourne, Florida
Role: Structural Engineer of record for the design of new restroom facilities. The design included foundation design, design of aluminum railings, and an ADA access ramp.

Cypress Springs Restoration Improvements
Washington County, Florida
Role: Structural Project Engineer for the design of over 800 linear foot of pile supported timber boardwalk with composite lumber decking that features access platforms and stairs to provide direct access .

City of Clearwater Clarifer Rehabilitation, Leesburg, Florida
Role: Project Structural Engineer of Record for the design of the plant expansion which included the design of a new SBR basins, Digester Basins, Filters, Decant Pump Station, Transfer Pump Station along with building modifications. The design also included design of miscellaneous metals such as platforms, walkways, stairs and pipe supports.

MacDill AFB Headworks and Grit Improvements, Tampa, Florida
Role: Structural Project Engineer for the design of the improvements of the Headworks/Grit Improvements. The improvements included the construction of new reinforced concrete influent Headworks Structure and independent grit chamber.

Jessica McRory, PE, LEED AP

SENIOR GEOTECHNICAL ENGINEER

AREHNA | Engineering, Inc.

Contact Information

813.944.3464
jmcrory@arehna.com
5012 W. Lemon Street
Tampa, Florida 33609

Licenses

Professional Engineer
Florida Registration No. 68440, 2008

LEED Accredited Professional

Experience

22 years total
16 years at AREHNA

Education

Master of Science, Civil Engineering, Geotechnical Concentration
University of South Florida, 2004

Bachelor of Science, Civil Engineering
University of South Florida, 2003

Career Summary

Ms. McRory has managed the geotechnical aspects of testing, design and construction for over a thousand engineering projects over the last 22 years. Her involvement has included analysis and evaluation of soil conditions pertaining to new construction design, as well as ongoing construction projects. Project experience has ranged from task order contracts to large FDOT projects. Other responsibilities have included coordinating geotechnical field and laboratory testing, as well as construction materials testing services. Evaluations have included soil and groundwater conditions, determining soil bearing capacity and consolidation characteristics and analyzing the performance of various types of foundation systems. Ms. McRory has provided recommendations for shallow foundations, various ground improvement techniques and deep foundation systems including driven piles, drilled shafts and augercast piles.

Project Experience

Continuing Engineering Consultant and Urban Design Services, Madeira Beach, Florida AREHNA serves as a subconsultant on this task-order contract for multiple firms. Scope includes roadway and drainage improvements, seawall rehab, water and waste water facilities, bridge repairs and replacement. Ms. McRory serves the Contract Manager.

City of Madeira Beach End Parking Lot Improvements, Madeira Beach, Florida Ms. McRory served as the Principal Engineer providing geotechnical engineering services for this project which consists of pavement and drainage improvements being made due to cracking distress and ponding. Scope also consists of milling and resurfacing along with ponding and regrading of the base.

14094 North Bayshore Drive Design-Build, Madeira Beach, Florida AREHNA provided quality control testing for this Design-Build project which consists of a new residential building in Madeira Beach Florida. Ms. McRory served as the Contract/Project Manager ensuring adequate available resources, oversaw quality control testing and inspection services which included soil, concrete and other specialty testing services.

Hubbard's Marina Facility, Madeira Beach, Florida The scope included monitoring precast concrete production pile installation and dynamic pile testing and testing in cast-in-place concrete for construction of two-story, 26,000-SF structure at a marina. Ms. McRory was responsible for performing pile-driving analysis based on boring data to ensure required pile capacity standard was met during load test program using PDA; observed pile driving and log reviewed daily; and prepared final production pile summary report. Inspection and analysis included helical piles, which were installed in locations with tight access and where driving piles would have caused damage to neighboring structures.

City of Tampa A/E Continuing Services Contract, Tampa, Florida Ms. McRory served as the Senior Geotechnical Engineer – Work was performed on an as needed basis to support City of Tampa Public Works Projects. Services included drilling and laboratory testing, engineering analysis and reporting for drainage/stormwater and roadway projects, including Marjorie Rd., Kensington Ave. Drainage Study and Cleveland Street Improvements.

Material Testing Professional Consulting Services, Pinellas County, Florida AREHNA serves as the Prime Consultant on this as-needed task order is contract. Task include sampling and testing construction materials. Projects under this contract include roadways, traffic signal poles, stormwater facilities and other City owned buildings and facilities. Ms. McRory serves as the Project Manager.

City of St. Petersburg Intersection & Roadway Improvements, St. Petersburg, Florida Ms. McRory was the Client Manager for the geotechnical services on this project. Intersection improvements consisting of mast arm signal poles are proposed for 14 intersections in St. Petersburg, FL. Borings were performed to obtain information on the subsurface condition for the proposed mast arm improvements. Core Borings Sheets were provided as part of the design plans along with soil parameters for mast arm design.

Kevin M. Hill, PE, PMP

SENIOR GEOTECHNICAL ENGINEER

AREHNA | Engineering, Inc.

Contact Information

813.944.3464
khill@arehna.com
5012 W. Lemon Street
Tampa, Florida 33609

Licenses

Professional Engineer
Florida Registration No. 72949, 2011

PMP Certification No. 1877480, 2015

Experience

18 years total
4 years at AREHNA

Education

Bachelor of Science, Aeronautical and Astronautical Engineering
Ohio State University, 1992

Publications

Co-author: White Paper for Soft Soil Settlement Remediation with Permeable Low-Density Cellular Concrete (PLDCC)

Career Summary

Mr. Hill's experience includes project management and technical direction of geotechnical engineering projects, geotechnical field investigations, and analyses for numerous public and private sector clients. His experience includes working on numerous projects in the areas of subsidence (sinkhole) investigations and sinkhole/structure stabilization. Geotechnical projects include project management and geotechnical design of shallow and deep foundation systems for commercial, industrial and residential structures, bridges and sanitary/water system structures and waste phosphatic clay and organic soil stabilization, as well as providing design soil parameters and recommendations for roadway embankments, pavement including airport taxiways, aprons and parking areas, landfills, MSE walls, mast arm poles, stormwater ponds, retaining walls, pipelines, storage tanks, pond clay liners and monitoring wells. His technical experience includes soil classification, seepage analysis, settlement analysis, slope stability analysis and various soil stabilization/improvement techniques.

Mr. Hill serves as the Project Manager and EOR for geotechnical engineering portions of these projects. Mr. Hill also performs internal QA review of technical reports. Project experience includes geotechnical evaluation, design and soil testing throughout Florida.

Project Experience

City of Treasure Island Facility Improvements, Treasure Island, Florida This project consists of facility improvements for a new building, lift station/wet well and new prefabricated structures supported on concrete slabs-on-grade. Mr. Hill coordinated field exploration, laboratory testing, geotechnical analysis, review and recommendations.

City of Largo A/E Continuing Services Contract, Largo, Florida AREHNA serves as the Prime Consultant on this task order contract. Projects have included roadways improvements, milling and resurfacing, miscellaneous structures, stormwater and water and waste water facilities throughout the City. Mr. Hill oversees field and laboratory testing, geotechnical analysis, soils parameters and site recommendations.

Miscellaneous Professional Services for Stormwater Management, Transportation and Bridge Improvement Projects, St. Petersburg, Florida Mr. Hill serves as Senior Geotechnical Engineer for geotechnical engineering services on multiple transportation and bridge replacement projects under this task order contract. Services included drilling and laboratory testing, engineering analysis and reporting.

City of Tampa, El Prado Complete Street, Tampa, Florida Mr. Hill supports this design project on an as-needed basis for geotechnical engineering services. The project consists of bicycle facilities and the addition of sidewalk improvements to enhance safety, comply with current ADA standards, and create a multi-modal facility.

City of Tarpon Springs, Geotechnical & Construction Materials Testing Services Contract, Tarpon Springs, Florida AREHNA serves as the Prime Consultant on this Professional Services Engineering task order contract and provides on an as-needed basis Geotechnical Engineering Services to include soil exploration, geotechnical exploration testing, roadway materials testing, foundations studies, construction materials sampling testing and reporting, pavement evaluation and reporting. Mr. Hill is responsible for coordinating field testing and provides geotechnical recommendations.

Miscellaneous Professional Services for Engineering Services, Transportation Development and Design, Hillsborough County, Florida Mr. Hill serves as the Geotechnical Project Manager on this Hillsborough County contract that supports transportation improvement projects. Projects have included culvert replacements damaged by severe flooding.

Stormwater Continuing Services Contract, Hillsborough County, Florida This contract supports drainage and stormwater improvement projects. We have closely coordinated with the design team to ensure that deadlines are met. Mr. Hill has managed several of the tasks under this contract.

SBE/WMBE/DBE ▪ ACOE/AASHTO/FDOT Certified Lab www.arehna.com

Davida A. Franklin

Senior Public and Stakeholder Engagement

Experience – 16 Years

Davida A. Franklin is a passionate public relations professional with more than 16 years of experience in community programs, outreach, marketing, legislative advocacy, and event planning. Detail-oriented and highly driven, Ms. Franklin excels at building connections and collaborating to exceed expectations for any given project. She is proficient in Microsoft 365, Adobe Creative Cloud, Canva, Google Analytics, WordPress, managing graphic design, and digital media marketing.

RELEVANT PROJECT EXPERIENCE

City of Sarasota Main Street Complete Streets Visioning

Sarasota, FL (2024 – Present)

The Main Street Complete Streets Visioning project focuses on a design that promotes safe travel to and from destinations along the City of Sarasota's Main Street, whether walking, biking, riding transit, or driving a vehicle. Ms. Franklin helped the City of Sarasota facilitate various outreach activities, including door-to-door business canvassing, outreach days at the Sarasota Annual Arts and Crafts Fair, stakeholder discussions, an open house, and a visioning workshop. As a result, the city received over 1,500 survey responses that will help shape the vision for the Main Street Complete Streets project. Quest also assisted with project branding, flyer design and printing, event signage, drone footage, and a storytelling video.

City of Tampa, Parking Master Plan Update

City of Tampa, FL (2024)

Ms. Franklin currently serves the City of Tampa Parking Division as it engages business stakeholders and the community to inform the update of the Tampa Parking Master Plan Study. In this role, she creates community outreach contact lists; organizes stakeholder meetings and community engagement pop-up events; conducts content review and data analysis for an online survey; and facilitates creative services that include a web page, graphic art, written content, and necessary updates.

Pinellas County, Forward Pinellas Planning Support Services

Pinellas County, FL (2024)

Ms. Franklin serves as Project Manager for this contract. Pinellas County's Forward Pinellas strives to bring everyone together to serve the needs of the community and create a vision for the future. Forward Pinellas coordinates with 25 local governments and 975,000 residents to enable seamless transportation and redevelopment opportunities in the region. Quest is providing public engagement services to Forward Pinellas that includes website, social media support, graphic design and Spanish translation services.

Gulfport Municipal Marina Community Engagement Concept Study Services

Gulfport, FL (2024)

As part of the community engagement team, Ms. Franklin will assist with the preparation of exhibits for a community charette, a public meeting and an online public survey. The City of Gulfport has engaged Quest to provide community engagement for their proposed marina improvements project. Those improvements include a new public park, a centrally location multi-function building, dry boat storage and public access and parking.

Florida Department of Transportation (FDOT) District Seven, City of Inverness Transportation Talks

Citrus and Hernando Counties, FL (2023 – Present)

To ensure a high level of business and community involvement, Ms. Franklin helps coordinate public engagement events for this project. The Florida Department of Transportation in collaboration with the City of Inverness is engaging with the community and area businesses about concept development, impacts analysis, and recommendations for two corridors: State Road (S.R. 44 and S.R. 200. As a result, its prime consultant is enlisting Quest to facilitate stakeholder engagement for community input.

Florida Department of Transportation (FDOT) District Seven, US 301 Median Modification Design

Hillsborough County, FL (2023 – Present)

For this Resurfacing, Restoration and Rehabilitation (RRR) project, Ms. Franklin supported documentation of community input and synthesizing comments collected. Working with the prime consultant in support of the Florida Department of Transportation's West Central Florida commitment to ensuring public and stakeholder involvement in access changes, Quest participated in planning, implementing, and summarizing a drive-thru public meeting for proposed improvements that included such multimodal features as resurfacing, traffic signals, signing, and pavement markings from south of Balm Road/Paseo Al Mar Boulevard to south of Whitt Road in Riverview.

EDUCATION

- Bachelor of Science, Public Relations, University of Florida

Bryce C. Johns
Public and Stakeholder Engagement

Experience – 20 Years
Bryce C. Johns is a results-driven operations leader with a proven track record of 20 years of experience in human resources and people operations. Mr. Johns thrives in a fast-paced environment and is adept at seamlessly adapting to changing dynamics. He skillfully provides strategic guidance and meticulous oversight to a diverse team of colleagues within high-grossing business units. His skills include business process improvements, problem solving and decision making, communication and interpersonal skills, customer service excellence, strategic planning and execution, problem prevention and risk management, training and development, leadership and team management, adaptability and flexibility and technology proficiency.

RELEVANT PROJECT EXPERIENCE

Florida Department of Transportation (FDOT) Central Office, Districtwide Public Information
Districtwide, FL (2024)
Mr. Johns supported the public meeting for the Bayway Feasibility Study under the districtwide public information contract. He staffed the welcome table, greeting and checking in meeting participants and stakeholders. He placed directional signage throughout the facility and assisted in the development of name tags and welcome boards.

Forward Pinellas, Comprehensive Operational Analysis (COA)
Pinellas County, FL (2024)
Mr. Johns supported the Gateway COA meeting. He assisted with the meeting setup and checked in and welcomed participants. Forward Pinellas serves as the Pinellas Planning Council (PPC) and Metropolitan Planning Organization (MPO) for Pinellas County. Its mission is to work with local partners to implement broad, forward-looking land use policies, develop and guide effective multimodal transportation solutions, and respond to the changing needs of a redeveloping Pinellas County. Administered by the PPC, the Countywide Plan defines the vision for Pinellas County and establishes definitions, standards, criteria, and procedures required to help achieve that vision. Quest serves on the team providing public involvement for the COA.

City of Tampa, Parking Master Plan
Tampa, FL (2024)
The City of Tampa is developing a Parking Master Plan (PMP) for the City's Parking Division. This plan includes parking studies, curbside management strategies, long-range financial plans, parking operations, mass transit options and parking revenue studies. As part of the PMP, Quest is providing public involvement as a sub-consultant to Kimley-Horn on this contract. Mr. Johns supported the team's efforts by analyzing data from the PMP and reformatting the content into a clear, coherent, colorful and engaging presentation.

Pasco County Public Transportation, Comprehensive Operational Analysis (COA)
Pasco County, FL (2024)
Pasco County Public Transportation (*GoPasco*) is examining and evaluating the County's transit system to explore improvements that need to be made at *GoPasco* based on changes in ridership, development, population, employment patterns, and service performance since the last COA *GoPasco* conducted in 2010. The overall goal of this COA effort is to develop a plan that will enhance the efficiency and effectiveness of the existing and planned *GoPasco* system in a changing transit market environment. The core of the COA is a short-term plan. It will recommend route changes designed to improve service efficiency, apply resources where they are most needed, and modernize the route network based upon current and projected conditions within the service area. Mr. Johns supported the onboard survey effort.

EDUCATION

- Bachelor of Arts, Business and Human Resource Management, Florida State University

CERTIFICATIONS

- Public Information Officer Awareness, FEMA
- Social Media in Emergency Management, FEMA
- Effective Communication, FEMA
- Community Preparedness: Implementing Simple Activities for Everyone, FEMA
- An Introduction to the National Incident Management System, FEMA
- Public Involvement for Highway Traffic and Construction Noise, NHI
- Basics of Public Involvement in Transportation Decision-Making, NHI
- National Environmental Policy Act (NEPA) 101 Course, NT

Lisa Lawrence
Graphic Designer

Experience – 30 Years

Lisa Lawrence is recognized as a talented designer and a highly effective partner to marketers and clients. She has a proven track record as a lead designer in busy creative services departments, producing dynamic visual advertising and promotional pieces for many of Atlanta's Fortune 500 companies. Ms. Lawrence has experience in the Safety and Awareness industry having provided graphic design support to the National Restaurant Association and ServSafe. She also has experience in retail advertisement through an advertisement agency where she was the designer for the Ashley Furniture's account and Lenox Square, a large shopping mall in Atlanta. Ms. Lawrence is experienced with point-of-purchase and trade show graphics and set up. She is providing graphic support to many of our transportation clients as well as Collier County's affordable housing marketing and outreach as well as their CARES Act funds marketing efforts. Ms. Lawrence is a results-oriented leader recognized for innovative tactics and strategies. She has attained a reputation among peers for finding the most efficient way to facilitate a project or process without sacrificing quality or creativity. Ms. Lawrence is an intuitive and creative visual thinker, competent in both the verbal and non-verbal languages of art and design. She possesses strong problem-solving skills and an ability to manage time-sensitive projects. Ms. Lawrence holds excellent communication and interpersonal skills. Supporting Quest's business development and profitability, Ms. Lawrence designs prime pursuit proposals, blitzes for emails and social media, and other division marketing needs, contributing to business-to-business marketing.

RELEVANT PROJECT EXPERIENCE

Osceola County, General Engineering Consultant Contract

Osceola County, FL (2023 – Present)

Ms. Lawerence provides updates to various materials in support of this contract where Quest serves in various capacities. Quest provides support for the Osceola County Communication Director on a wide range of projects and events. As part of the transportation team, Quest provides website communication direction and content and metrics review, and the team provides social media posts and marketing materials.

Florida Department of Transportation (FDOT) District Three, U.S. 98 from Bayshore Road to Portside Drive

Santa Rosa County, FL (2024)

Ms. Lawrence developed map graphics for a Chamber of Commerce PowerPoint presentation and other designs as needed. Quest assists public information efforts on this project, including social media content creation and quality control. This $70.4 million project widening 4.25 miles of U.S. 98 from a four-lane to a six-lane urban facility includes a raised median, safety and drainage upgrades, resurfacing State Road (S.R.) 281 from U.S. 98 to Garcon Point Bridge, extending the existing shared-use path on the south side of U.S. 98 to Gondolier Boulevard, and new signage and pavement markings.

Central Florida Expressway Authority (CFX) Five Year Work Program, Public Information Services

Lake, Orange, Osceola & Seminole Counties (2024)

As on-going support for the public information services contract with the Central Florida Expressway Authority, Ms. Lawrence designs many assets including social media graphics, fact sheets, newsletters, flyers, and maps for construction projects throughout the district. Quest's team serves in-house providing meeting and project support including stakeholder outreach and database management.

Florida Department of Transportation (FDOT) District Three, Design Group 23-08

Leon County, FL (2024)

Ms. Lawrence developed the Virtual Project Update fact sheet for this FDOT design project which includes U.S. 391 (Crawfordville Road) from South of State Road (S.R.) 61 southbound to Arden Road and S.R. 61 (Monroe Street) from Perkins Street to North of Jefferson Street. Quest provides public involvement for this Leon County design project.

Pasco County Public Transportation (PCPT), Branding and Marketing

Pasco County, FL (2020 – 2022)

Ms. Lawrence assisted the Quest team with PCPT Marketing Plan. The team was responsible for increasing awareness of the value and benefits that PCPT provided to the overall transportation infrastructure in the Tampa Bay region, building and maintaining positive relationships between PCPT customers, taxpayers and community partners, refreshing and advancing the PCPT brand, encouraging customer, community and stakeholder participation in PCPT's planning efforts and public involvement opportunities; and creating a comprehensive marketing plan. Ms. Lawrence used both traditional and innovative techniques to promote ridership and the PCPT brand to targeted audiences.

EDUCATION

- Bachelor of Arts, Graphic Design, Central Connecticut State University
- Associate of Arts, Communications and Marketing, Norwalk Community College

Ivan Rodriguez

Graphic Designer / Multimedia / Drone

Experience – 7 Years

Ivan Rodriguez is a multimedia creative specialist with significant experience in the video industry. Mr. Rodriguez's overall experience includes, but is not limited to; editing, producing, directing, storyboarding, motion graphics, cinematography, photography, set design, lighting, archiving, social media marketing, and community engagement. He has stepped into a variety of roles in the industry and is proficient in the Adobe Creative Suite to edit video, photo, and audio. Mr. Rodriguez' ambition and desire to rise above the ordinary makes him an outstanding leader for Quest's multimedia production team.

RELEVANT EXPERIENCE

Florida Department of Transportation (FDOT) District Seven, Repaving Design of US 19 at Snug Harbor

Hernando County, FL (2024)

Mr. Rodriguez provided voiceover narration for a PowerPoint presentation about the design of repaving to take place along US 19/US 98 (North Suncoast Boulevard) from NE 1st Terrace to south of Snug Harbor Road in Crystal River. Quest is leading public involvement for this project including public meeting coordination, meeting collateral development and public notifications

Florida Department of Transportation (FDOT) District Seven, County Road 52/Meridian Road Design Phase

Pasco County, FL (2024)

Mr. Rodriguez provided voiceover narration for a PowerPoint presentation about changes taking place at County Road 52/Meridian Road. This project is in the design phase and proposes to replace the existing T-intersection at County Road (CR) 52/Meridian Avenue/21st Street with a four-legged signalized intersection at CR 52/Meridian Avenue/21st Street/Suwanee Way/St. Joe Road in Pasco County. Quest is leading public involvement for this project including public meeting coordination, meeting collateral development and public notifications.

Florida Department of Transportation (FDOT) District Seven, Districtwide Public Involvement Assignments within Design, Design Build, Traffic Operations, Safety, Construction, and Maintenance

Citrus, Hernando, Hillsborough, Pasco, Pinellas, FL (2024)

Mr. Rodriguez will assist in the production of an educational video for the mid-block crossings along US 92 (4th Street N) median modifications from 30th Ave N to 94th Ave N. Multiple locations were identified by the FDOT to receive midblock crossings. He will oversee the video planning process, production, editing, and voiceover work.

Florida Department of Transportation (FDOT) District Seven, I-4 FRAME

Hillsborough, Polk, Osceola and Orange Counties, FL (2023)

Interstate 4 Florida's Regional Advanced Mobility Elements (FRAME) is a regional, intercity integrated corridor management (ICM) project running from the Central Business District in Tampa to the southwest side of Orlando at the Florida Turnpike. I-4 and other ICM routes will cover 77 miles of I-4, 122 miles of other limited-access routes, and signalized roadways with a total of 491 traffic signal systems. Mr. Rodriguez served as the creative lead, scriptwriter, storyboard developer, location and talent scout, lead camera operator, editor, animator, voiceover artist, and audio engineer for this I-4 FRAME concept video. He captured both ground and drone video along the I-4 corridor from Tampa to Orlando.

Florida Department of Transportation (FDOT) District Seven, Big Bend Road Virtual and Video Services

Riverview, FL (2022)

Mr. Rodriguez served as a multimedia designer and director for FDOT's District Seven's Big Bend Road construction updates. A 3D virtual room was created for interaction along with a video to be placed in the room. This was an engaging, voiceover-driven educational piece with stunning visuals and animations to inform resident of the changes taking place.

Florida Department of Transportation (FDOT) District Seven, General Engineering Contract, Districtwide Public Involvement Services / Virtual and Video Services

Citrus, Hernando, Hillsborough, Pasco and Pinellas Counties, FL (2021)

Mr. Rodriguez served as a multimedia designer for FDOT's District Seven by creating stunning graphics and video elements using a variety of editing programs. His role included creating visual elements for the I-275 3D virtual tour, scripting a video component, and executing the script. Mr. Rodriguez also directed video shoots in Tampa Bay, specifically along the I-275 corridor, to gather drone footage and additional visuals. The final video was created utilizing film techniques to incorporate motion graphic elements without compromising the integrity of the shots. This allowed for significant information to be delivered in a captivating manner.

EDUCATION

- Bachelor of Science, Marketing, Florida Gulf Coast University

Thierry Boveri CGFM

Vice President

ROLE

Rate Studies

PROFILE

Thierry is a Vice President with Raftelis and brings a client focused approach with a desire to add value through creative problem solving and attention to detail. Thierry has performed numerous revenue sufficiency and cost of service studies for over 55 local governments, has prepared financial feasibility and disclosure reports totaling over $1.5 billion in debt proceeds issued through the traditional bond market, state revolving, and bank loans.

KEY PROJECT EXPERIENCE

Municipality of Anchorage (AK): Collection and Disposal COS Study

The Municipality of Anchorage, Alaska (MOA) provides refuse collection and solid waste disposal services to a population of approximately 292,000 residents. Raftelis worked with the Solid Waste Services department to develop a long-range solid waste collection and disposal model for use by staff to analyze the sufficiency of existing rate revenues to fund: program capital financing alternatives, test sensitivity of disposal alternatives to landfilling, assess the sufficiency of the current closure fund reserves, and perform a triple bottom line evaluation to assess the environmental and social impacts of disposal alternatives, under consideration by the MOA. The TBL analysis utilized the EPA's WARM model to identify greenhouse gas (GHG) equivalents for differing landfill waste diversion alternatives. To assist the MOA in assessing the economic comparison a discounted cashflow method was developed based on an assumed value for the cost of GHG equivalents per metric ton in addition to direction financial and social costs for comparison.

City of Wilmington (NC): Solid Waste Financial Analysis Study

The City of Wilmington (City) provides trash, recycling, yard waste, and bulky waste collection services to approximately 31,170 residential and commercial accounts producing approximately 46,200 tons of refuse, recycling, yard waste, and bulky waste per year. The City offers a wide range of services and service levels from offering residents the choice of container size and bulky waste collection by appointment to commercial collection frequency ranging from twice a week to twice daily service. Thierry served as the solid waste financial analysis practice lead. The following provides an overview of the key objectives of the Study: i) developed a forward-looking financial model of solid waste operations through the Fiscal Year 2030 (the "Forecast Period") to project funding requirements and examine sensitivity of changes in operations to the Division's fiscal position and rate needs; ii) examined sensitivity of potential changes in the net cost to process the City's recyclables pursuant to the Division's recycling processing contract; iii) assess the potential for additional fees to recover the cost for higher levels of service provided by the Division which do not benefit customers equally in proportion to the charges for service (e.g., bulky waste and yard waste collection services); iv) financial fleet replacement model; and v) provide rate recommendations for the Fiscal Year 2022 and identify potential future rate needs based on current operating conditions.

Oklahoma City (OK): Collection Cost-of-service Study; Collection In-housing Study & Contract Negotiations Support

The City of Oklahoma City, OK provides solid waste collection and disposal services to approximately 645,000 people with contract collection services to about 60% of the customer base and 40% performed in-house. Collection services primarily include refuse, recycling, and bulky waste. In addition, the City is responsible for a number of solid waste programs from neighborhood clean ups, household hazardous waste, rural recycling convenience centers, street sweeping, and others. Thierry was the project manager who assisted the City through the performance of a formal Cost of Service rate study and financial forecast model, including a life cycle analysis of vehicle and cart costs. Key elements of the engagement were three-fold: i) providing recommendations concerning rate revenue adjustments over a 10-year period; ii) providing recommendations concerning the establishment of cash reserves for operating, capital, storm, cart, and other reserves; iii) identification of the cost of service for several of the City's key services including, bulky waste collection, recycling, illegal dumping and litter collection, and flow fee design.

Specialties

- Solid waste fees
- Water & sewer rate fees
- Parks & recreation fees
- Wholesale fees
- Impact fees
- Feasibility study
- Utility acquisition/valuations
- Capital planning tools
- Business/strategic plans/negotiations
- Desktop financial asset evaluation/ reinvestment
- Cost/benefit analysis/life cycle NPV analysis
- Financial policies/best management practices

Professional History

- Raftelis: Vice President (2022-present); Senior Manager (2019-2021); Associate, PRMG (2005-2019)

Education

- Bachelor of Arts in Economics; Bachelor of Arts in International Business - Rollins College (2005)

Certifications

- Certified Government Financial Manager, No. 15483

Professional Memberships

- Solid Waste Association of North America: Florida – Board of Directors; Finance & Planning Committee
- AWWA: Florida Section - Finance & Rates Committee
- WEF: Utility Management Committee
- Government Finance Officers Association

Mark Tuma

Manager

ROLE

Rate Studies

PROFILE

Mark has six years of professional experience in rate and financial consulting services. Mark has provided analytical support for projects involving water, wastewater, and gas enterprise systems throughout the states of Florida, Georgia, and Virginia. These projects have focused on evaluating the financial position of utility enterprise systems, analyzing customer statistics, developing revenue and expense financial projections, helping in the development of capital funding plans, designing user rates, and developing utility and municipal impact fees.

KEY PROJECT EXPERIENCE

Municipality of Anchorage (AK): Solid Waste Collection and Disposal Cost of Service Study

The Municipality of Anchorage, Alaska (MOA) provides refuse collection and solid waste disposal services to a population of approximately 292,000 residents. Mark assisted with the development of a long-range solid waste collection and disposal model for use by the Solid Waste Services department staff to analyze the sufficiency of existing rate revenues to fund: program capital financing alternatives, test sensitivity of disposal alternatives to landfilling, assess the sufficiency of the current closure fund reserves, and perform a triple bottom line evaluation to assess the environmental and social impacts of disposal alternatives, under consideration by the MOA. The TBL analysis utilized the EPA's WARM model to identify greenhouse gas (GHG) equivalents for differing landfill waste diversion alternatives. To assist the MOA in assessing the economic comparison a discounted cashflow method was developed based on an assumed value for the cost of GHG equivalents per metric ton in addition to direction financial and social costs for comparison.

Fairfax County (VA): Utility Financial Planning and Rate Study

Mark assisted in the development of a detailed 10-year financial forecast to evaluate the sufficiency of revenues for Fairfax County's (County) wastewater system. This project required an in-depth analysis of contractual wastewater service agreements, including review of monthly invoicing and customer billing statistics in order to develop a projection of the contracted treatment expenses. Mark also assisted in the development of an availability fee model assessing the County's cost of treatment and backbone conveyance capacities to connect new customers to the wastewater system. The evaluation required review of all the County's wastewater related fixed asset records and functional allocation of the assets (e.g., treatment, lift station, etc.). Mark's analytical efforts aided in supporting the recommendation and approval of the County's current plan of capital finance, wastewater rates and availability fee charges.

Town of Leesburg (VA): Utility Financial Planning and Rate Study

Mark assisted in the development of a detailed 10-year financial forecast to evaluate the sufficiency of the Town of Leesburg's (Town) utility rate revenues. The evaluation was part of an update of the prior study performed in 2014. A key element of the study was assisting the Town in assessing an appropriate level of capital reinvestment from rates. Mark performed a review of the Town's fixed asset records, stratifying assets by age, original acquisition cost and function to support the study's rate recommendations and pay-go funding deposits. Mark's analytical efforts aided in supporting the approval of the Town's current plan of capital finance and 5-year rate plan encompassing the Fiscal Years 2020 through 2024.

Manatee County (FL): Utility Financial Planning and Rate Study

Mark assisted in the development of a detailed five-year financial forecast to evaluate the sufficiency of revenues for the water and wastewater system. This project required an in-depth analysis of customer billing statistics in order to develop a customer sales projection, a revenue model, and a review of the historical and budgeted expenses of the utility in order to project expenses going forward. Mark also helped in the development of a multi-year rate design for Manatee County.

City of Tifton (GA): Utility Financial Planning and Rate Study

Mark assisted in the performance of a comprehensive five-year financial forecast to evaluate the sufficiency of revenues for the water, wastewater, and natural gas system. This study also entailed a cost-of-service rate design, and water and wastewater impact and connection fee analysis. Mark analyzed customer statistics in order to develop customer sales projections, as well as performed a bill frequency analysis to develop a revenue projection model. Mark also developed operating expense projections for the utility system. Mark also helped in designing a conservative rate structure and developing rates using the cost-of-service method. Mark assisted in the development of analyzing the assets of the utility and designing water and wastewater impact fees based on the analysis of the utility.

Specialties

- Financial/computer modeling
- Revenue sufficiency analyses
- Rate design & customer impact analyses
- Customer billing analysis
- Utility impact fee analysis

Professional History

- Raftelis: Manager (2024-present); Senior Consultant (2022-2023); Consultant (2019-2021); Senior Rate Analyst, PRMG (2015-2019)

Education

- Bachelor of Science in Finance; Legal Studies - University of Central Florida (2015)

Professional Memberships

- AWWA
- Florida Government Finance Officers Association

SIGNATURE PAGE

ATTEST:

BY: _____
Clara Vanblargan, City Clerk

BY: _____
Anne-Marie Brooks, Mayor

CONSULTANT*:
Signature: _____ Date: May 9, 2025
Print Name: David E. Mahler, P.E. | COO - Infrastructure
For CPH Consulting, LLC ("Contractor")
Mailing address: 5601 Mariner Street, Suite 105, Tampa, FL 33609
Email address: info@cphcorp.com
Phone: 813.288.0233

***Consultant's Signatory Requirements**. In the case of a corporation, this affidavit shall be executed by the corporate president. In the case of a partnership, this affidavit shall be executed by the general partner(s). In the case of a business entity other than a partnership or a corporation, this affidavit shall be executed by an authorized agent of the entity or the individual.

FLORIDA PUBLIC ENTITY CRIMES ACT

EXHIBIT A

PUBLIC CONTRACTING AND ENVIRONMENTAL CRIMES CERTIFICATION

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

This sworn statement is submitted to the CITY OF MADEIRA BEACH by David E. Mahler, P.E., COO - Infrastructure [print individual's name and title]

for CPH Consulting, LLC [print name of entity submitting sworn statement]

whose business address is: 5601 Mariner Street, Suite 105, Tampa, FL 33609

and Federal Employer Identification Number (FEIN) is 59-2068806 if the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement:_____

I understand that no person or entity shall be awarded or receive a City contract for public improvements, procurement of goods or services (including professional services) or a City lease, franchise, concession or management agreement, or shall receive a grant of City monies unless such person or entity has submitted a written certification to the City that it has not:

(1) been convicted of bribery or attempting to bribe a public officer or employee of the City, the State of Florida, or any other public entity, including, but not limited to the Government of the United States, any state, or any local government authority in the United States, in that officer's or employee's official capacity; or

(2) been convicted of an agreement or collusion among bidders or prospective bidders in restraint of freedom of competition, by agreement to bid a fixed price, or otherwise; or

(3) been convicted of a violation of an environmental law that, in the sole opinion of the City's Project Manager, reflects negatively upon the ability of the person or entity to conduct business in a responsible manner; or

(4) made an admission of guilt of such conduct described in items (1), (2) or (3) above, which is a matter of record, but has not been prosecuted for such conduct, or has made an admission of guilt of such conduct, which is a matter of record, pursuant to formal prosecution. An admission of guilt shall be construed to include a plea of *nolo contendere*; or

(5) where an officer, official, agent or employee of a business entity has been convicted of or has admitted guilt to any of the crimes set forth above on behalf of such and entity and pursuant to the direction or authorization of an official thereof (including the person committing the offense, if

he is an official of the business entity), the business shall be chargeable with the conduct herein above set forth. A business entity shall be chargeable with the conduct of an affiliated entity, whether wholly owned, partially owned, or one which has common ownership or a common Board of Directors. For purposes of this Form, business entities are affiliated if, directly or indirectly, one business entity controls or has the power to control another business entity, or if an individual or group of individuals controls or has the power to control both entities. Indicia of control shall include, without limitation, interlocking management or ownership, identity of interests among family members, shared organization of a business entity following the ineligibility of a business entity under this Article, or using substantially the same management, ownership or principles as the ineligible entity.

Any person or entity who claims that this Article is inapplicable to him/her/it because a conviction or judgment has been reversed by a court of competent jurisdiction, shall prove the same with documentation satisfactory to the City Manager. Upon presentation of such satisfactory proof, the person or entity shall be allowed to contract with the City.

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CITY IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT ANY CONTRACT OR BUSINESS TRANSACTION SHALL PROVIDE FOR SUSPENSION OF PAYMENTS, OR TERMINATION, OR BOTH, IF THE CONTRACTING OFFICER OR THE CITY ADMINISTRATOR DETERMINES THAT **SUCH PERSON OR ENTITY HAS MADE FALSE CERTIFICATION.**

Signatory Requirement. In the case of a corporation, this affidavit shall be executed by the corporate president. In the case of a partnership, this affidavit shall be executed by the general partner(s). In the case of a business entity other than a partnership or a corporation, this affidavit shall be executed by an authorized agent of the entity or the individual.

[Signature]

NOTARY PUBLIC

STATE OF FLORIDA

CITY OF Orlando

Sworn to and subscribed before me this 9 day of May, 2025 by David E. Mahler

Personally known X OR Produced identification N/A

My commission expires 10/11/25

Notary Public Signature

Shelley McHaney

[Print, type or stamp Commissioned name of Notary Public]

SHELLEY MCHANEY
Notary Public
State of Florida
Comm# HH184826
Expires 10/11/2025

DRUG FREE WORKPLACE CERTIFICATION

EXHIBIT B

DRUG FREE WORKPLACE CERTIFICATION.

SWORN STATEMENT ON DRUG FREE WORKPLACES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

This sworn statement is submitted to the City of Madeira Beach by
David E. Mahler, P.E. | COO - Infrastructure

[print individual's name and title]

CPH Consulting, LLC for

[print name of entity submitting sworn statement]

whose business address is: 5601 Mariner Street, Suite 105, Tampa, FL 33609
and (if applicable) its Federal Employer Identification Number (FEIN) is 59-2068806 (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement:

I understand that no person or entity shall be awarded or receive a City contract for public improvements, procurement of goods or services (including professional services) or a City lease, franchise, concession, or management agreement, or shall receive a grant of City monies unless such person or entity has submitted a written certification to the City that it will provide a drug free workplace by:

Providing a written statement to each employee notifying such employee that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance as defined by §893.02(4), Florida Statutes, as the same may be amended from time to time, in the person's or entity's workplace is prohibited specifying the actions that will be taken against employees for violation of such prohibition. Such written statement shall inform employees about:

(i) the dangers of drug abuse in the workplace.
(ii) the person's or entity's policy of maintaining a drug-free environment at all its workplaces, including but not limited to all locations where employees perform any task relating to any portion of such contract, business transaction or grant.
(iii) any available drug counseling, rehabilitation, and employee assistance programs; and
(iv) the penalties that may be imposed upon employees for drug abuse violations.

(2) Requiring the employee to sign a copy of such written statement to acknowledge his or her receipt of same and advice as to the specifics of such policy. Such person or entity shall retain the statements signed by its employees. Such person or entity shall also post in a prominent place at all of its workplaces a written statement of its policy containing the foregoing elements (i) through (iv).

(3) Notifying the employee in the statement required by subsection (1) that as a condition of employment the employee will:

(i) abide by the terms of the statement; and
(ii) notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such a conviction.

Page **27** of **28**

(4) Notifying the City within ten (10) days after receiving notice under subsection (3) from an employee or otherwise receiving actual notice of such conviction.

(5) Imposing appropriate personnel action against such employee up to and including termination; or requiring such employee to satisfactorily participate in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, state, or local health, law enforcement, or other appropriate agency.

(6) Making a good faith effort to continue to maintain a drug free workplace through implementation of sections (1) through (5) stated above.

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CITY OF MADEIRA BEACH IS

VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT ANY CONTRACT OR BUSINESS TRANSACTION SHALL PROVIDE FOR SUSPENSION OF PAYMENTS, OR TERMINATION, OR BOTH, IF THE CITY DETERMINES THAT:

(1) Such person or entity has made false certification.

(2) Such person or entity violates such certification by failing to carry out the requirements of sections (1), (2), (3), (4), (5), or (6) or subsection 3-101(7)(B); or

(3) Such a number of employees of such person or entity have been convicted of violations occurring in the workplace as to indicate that such person or entity has failed to make a good faith effort to provide a drug free workplace as required by subsection 3-101(7)(B).

Signatory Requirement. In the case of a corporation, this affidavit shall be executed by the corporate president. In the case of a partnership, this affidavit shall be executed by the general partner(s). In the case of a business entity other than a partnership or a corporation, this affidavit shall be executed by an authorized agent of the entity or the individual.

Signature: _____
Title: Chief Operating Officer - Infrastructure
Company: CPH Consulting, LLC

NOTARY PUBLIC

STATE OF FLORIDA

CITY OF Orlando

Sworn to and subscribed before me this 9 day of May 2025

by David E. Mahler, P.E. who is

personally known to me OR Produced identification

N/A [type of identification]

My commission expires 10/11/25

Notary Public Signature _____

[Print, type or stamp Commissioned name of Notary Public]

Shelley McHaney

SHELLEY MCHANEY
Notary Public
State of Florida
Comm# HH184826
Expires 10/11/2025