



CHARLOTTE COUNTY

DESIGN SERVICES - 2025 LIFT STATION REPLACEMENTS

RFP NO. 20250608 | SEPTEMBER 25, 2025

JonesEdmunds 

September 25, 2025

Charlotte County Purchasing Division
Attn: Rhiannon Mills, Senior Contract Specialist
18500 Murdock Circle, Suite 344
Port Charlotte, Florida 33948-1094
rhiannon.mills@CharlotteCountyFL.gov

JonesEdmunds
7230 Kyle Court
Sarasota, Florida 34240
941.358.1440

RE: RFP 20250608, Design Services – 2025 Lift Station Replacements

Dear Ms. Mills and Members of the Selection Committee:

Charlotte County's ongoing commitment to replacing aging lift station infrastructure, optimizing maintainability, and aligning with evolving master planning efforts makes this project a vital investment in operational efficiency and long-term service reliability. Charlotte County Utilities (CCU) has made significant progress to increase resilience to their wastewater collection system. CCU owns and maintains a total of 310 lift stations throughout the county. Each year, lift stations are selected for detailed evaluations based on existing conditions, infrastructure needs, and current, past, and future wastewater collection and transmission projects; typically, a mix of recently upgraded lift stations and those requiring rehabilitation are chosen for inspection and documentation.

Jones Edmunds is proud of our longstanding relationship with CCU. We have worked with CCU since 2005 and have amassed a comprehensive understanding of CCU's wastewater collection system and hydraulic sewer modeling, design, and construction assistance for lift station improvements. We have direct experience with CCU's sewer system, including our recently completed CCU 2024 Sewer Master Plan Update and as your hydraulic sewer modeling consultant since 2006, performing sewer infrastructure improvement planning and designing lift stations and force main improvements for CCU. Our team understands the physical condition, regulatory history, and operational needs that the County's sewer collection system faces today. We are prepared to build on this foundation to provide tailored technical solutions for each lift station replacement under this project.

We are dedicated to meeting all project requirements outlined in the RFP, including delivering comprehensive design documentation, obtaining specialized permits, and providing bid documents within the aggressive 220-day timeline and established budgets for the selected and prioritized lift stations. Our quality assurance and project management systems will monitor and document adherence to key milestones and regulatory standards, while regular project team meetings and open communication with CCU staff will promote transparency and responsiveness throughout the project.

Our Florida-based project team operates from offices in Sarasota, Tampa, Alachua, Jacksonville, Titusville, and Winter Haven. Because our leadership and technical experts are all based in Florida, we offer hands-on knowledge of state regulatory processes and rapid, efficient communication with CCU staff. We have completed similar wastewater collection system projects for Charlotte County and dozens of other clients across the state, demonstrating our effectiveness in delivering infrastructure improvements on time and within budget.

We look forward to continuing our established working relationship with CCU and are excited about this critical project. We know that you will benefit from the experience and commitment of our professionals and the Integrity, Knowledge, and Service that are Jones Edmunds' hallmarks. If you have any questions, please contact us at our Sarasota Office at 941.358.1440.

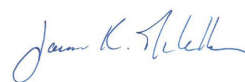
Sincerely,



Tom Friedrich, PE, BCEE
Client Services/Project Principal
813.258.0703
tfriedrich@jonesedmunds.com



TJ Lillo, PE
Project Manager
352.377.5821
tlillo@jonesedmunds.com



Jim McLellan, PE
Chief Engineer
813.258.0703
jmclellan@jonesedmunds.com



TAB I.

TEAM PROPOSED FOR THIS PROJECT

Firm Introduction

Jones Edmunds is a Florida-based, employee-owned firm offering multidisciplinary professional services since 1974. For over 51 years, we have delivered unrivaled service across Florida, focusing on water, wastewater, reclaimed water, civil, environmental, and stormwater services.

Our team aims to build enduring relationships with cities, counties, and utilities throughout Florida based on understanding needs, outstanding technical work, innovation, and unrivaled service.

With our extensive experience serving utilities, municipalities, and state agencies, we understand regulatory compliance, funding strategies, and best practices for project execution. Our full-service team is proficient in lift station design as well as the following services:

Utility Solutions

- Feasibility Studies
- Data Collection and Field Investigations
- Inflow and Infiltration (I&I) Studies
- Environmental Assessments and Impact Statements
- Collection and Distribution System Upgrades/Expansion
- Restoration and Rehabilitation (R&R) Projects
- Water and Wastewater Plant Improvements and Expansion
- Well Design
- Lift Station Design
- Life Cycle Cost Analysis
- Master Planning and System Modeling
- Growth Management Department, FDEP, FDOT, and CSX Permitting

Public Infrastructure Solutions

- Roadway Expansions
- Intersection Modifications

Stormwater Solutions

- Master Planning
- Low Impact Development Design
- Wetland and Environmental Services
- Site Grading and Drainage

Construction Solutions

- Construction Administration
- Grant Administration
- Resident Observation
- Cost Estimating

At Jones Edmunds, quality means more than a quality technical product – it means being responsive to the needs of our clients, providing staff experienced in the specific disciplines required for this project, listening to and understanding the goals and expectations, and communicating throughout each phase of project to achieve the desired outcome.

We are confident that our team will continue to serve you with the responsive, quality service you expect. Our team, led by Tom Friedrich and TJ Lillo, includes trusted experts who have experience in all elements of the requested scope. We also included subconsultants that have worked closely with the Utilities Department and who know your utilities system and infrastructure well.

20 YEARS

SERVING CHARLOTTE COUNTY



6 Florida Offices

Alachua Jacksonville
Sarasota Tampa
Titusville Winter Haven



**Engineering
News Record**

Top 500 Design Firm



Repeat Business

Longstanding
professional relationships,
including CCU



140 Associates

Focused on Florida
utilities and public works
infrastructure projects

Project Management Team

Our team includes a Client Services Manager who will be supported by our Project Manager, QA/QC lead, and technical staff. Our team will communicate effectively with each other and CCU's Project Managers and stakeholders as directed. We understand that your time is valuable. Effective communication and collaboration are crucial for achieving the desired project outcomes.

PROJECT MANAGER

TJ Lillo, PE | 6 Years of Experience

TJ has extensive expertise in water and wastewater hydraulic modeling, lift station design, and project management across Florida. As a Department Manager in our Utilities Discipline, TJ has successfully managed and provided engineering support for numerous lift station and force main projects, including the Charlotte County Sewer Master Plan Update, where he developed and prepared an efficient collection and treatment system plan and performed model reviews. His project experience encompasses the design and construction of lift station upgrades, pump selection, and horizontal directional drilling, as well as QA/QC oversight and construction phase services for complex utility projects.



LEAD DESIGNER

Jim McLellan, PE | 39 Years of Experience

Jim is a Chief Engineer with nearly four decades of experience designing and managing engineering projects and negotiating with regulatory agencies to facilitate effective, practical, and environmentally responsive solutions. Jim rejoined Jones Edmunds after serving as the City of Bradenton's Director of Public Works and Utilities, providing a wealth of knowledge and a valuable client operational perspective that can help serve Charlotte County.



CLIENT SERVICES/PROJECT PRINCIPAL

Tom Friedrich, PE, BCEE

35 Years of Experience

Tom is a Jones Edmunds Vice President and Senior Consultant and will provide Client Services on this contract. Because of his extensive experience, he will provide project background and historical data relevant to the Charlotte County's systems. He will be the main point of contact for the Utilities Department and will provide project status updates, client satisfaction, and overall coordination of team efforts. Tom has worked with the Utilities Department for the past 20 years.

We value working collaboratively with your staff to solve challenges and meet your goals and expectations.

QA/QC

John Hannah, PE

40 Years of Experience

John is a Senior Manager in our Utilities Discipline. He is experienced in water and wastewater conveyance systems, surface and groundwater production and treatment, biological wastewater treatment, and discharge limitations. Before joining Jones Edmunds, John was the CEO and Utilities Director for a Special Purpose District for over a decade.



Subconsultants

V&A CONSULTING ENGINEERS, INC. IS A FULL-SERVICE, CERTIFIED WOMAN-OWNED CONSULTING FIRM WITH A LOCAL OFFICE IN LAKEWOOD RANCH. THEY WILL PROVIDE ODOR AND CORROSION CONTROL ON THIS PROJECT.



V&A was founded in 1979 and has grown to include over 60 employees across seven locations. They specialize in preserving municipal infrastructure and are a leader in corrosion engineering, field-based condition assessment, data analysis, and rehabilitation recommendations.



EMI CONSULTING SPECIALTIES, INC. WILL PROVIDE ELECTRICAL/I&C ENGINEERING. WE HAVE WORKED TOGETHER ON NUMEROUS PROJECTS, INCLUDING CHARLOTTE COUNTY'S EAST PORT EXPANSION.

EMI was founded in 1991 to serve the civil and environmental sectors. Their expertise is related to the power, lighting, control, and instrumentation and control systems. Pete Hoanshelt, PE, is highly qualified in electrical and instrumentation control engineering, with specific expertise in the water and wastewater industry.

HYATT SURVEY SERVICES, INC. IS A CERTIFIED WOMAN-OWNED PROFESSIONAL SURVEYING AND MAPPING COMPANY WITH A LOCAL OFFICE IN BRADENTON. THEY PROVIDED SUPPORT ON CHARLOTTE COUNTY'S EAST PORT EXPANSION.



Hyatt's professional staff possess extensive surveying experience, providing surveying services throughout Florida for over 22 years. They are a full-service surveying and mapping company, providing boundary, topographic, right-of-way, geodetic, construction, and hydrographic/bathymetric surveying.



CULPEPPER & TERPENING INC

CULPEPPER & TERPENING, INC. HAS EXTENSIVE EXPERIENCE DELIVERING SUBSURFACE UTILITY ENGINEERING (SUE) SERVICES IN SUPPORT OF MUNICIPAL AND UTILITY INFRASTRUCTURE PROJECTS.

C&T's team has conducted SUE investigations for roadway corridors, utility relocations/improvements including water/wastewater systems, and critical facilities like lift stations and electrical substations, often involving restricted access, energized environments, and congested utility corridors, which they are uniquely qualified to handle.

ARDAMAN & ASSOCIATES, INC. WILL PROVIDE GEOTECHNICAL ENGINEERING SERVICES. WE TEAMED WITH THEM ON CHARLOTTE COUNTY'S EAST PORT EXPANSION AND LIFT STATION 815 EVALUATION.



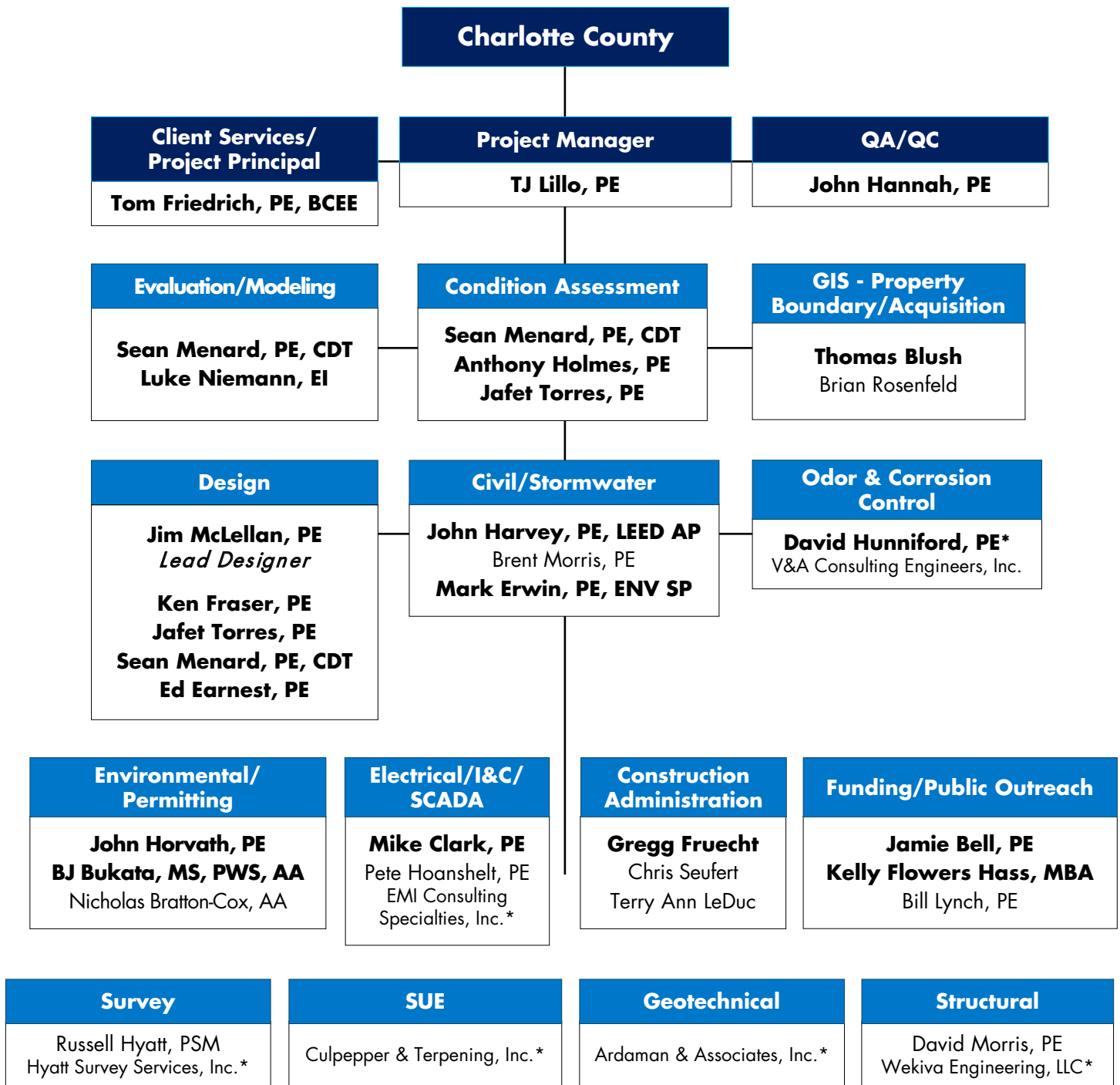
Since 1959, Ardaman has been a trusted provider of professional geotechnical engineering services. Their team of over 400 personnel operate from 14 branch offices across Florida, Louisiana, and Texas, including local offices in Sarasota and Fort Myers. Jones Edmunds has teamed with Ardaman on projects for over 35 years.



WEKIVA ENGINEERING, LLC WILL PROVIDE STRUCTURAL ENGINEERING SERVICES. RELEVANT EXPERIENCE INCLUDES CHARLOTTE COUNTY'S DEEP CREEK FORCE MAIN AND LIFT STATION 321 DESIGN AND CONSTRUCTION.

Wekiva has collaborated with Jones Edmunds since 2016 on projects such as Charlotte County's East Port Expansion and Lift Station 815 Evaluation. David Morris, PE, is a Principal with Wekiva, with over 12 years of structural engineering experience in the water/wastewater industry.

Organizational Chart



Bold = Key Personnel with Résumé Included

*Subconsultant

THOMAS FRIEDRICH, PE, BCEE

Client Services/Project Principal

"I always enjoyed solving problems and working with people. As a consulting engineer, I work directly with clients to listen and understand their needs and concerns and provide engineering solutions to protect the environment and improve public health and safety."

Tom has over three decades of engineering and project management experience in utilities infrastructure evaluation, planning, design, QA/QC, and construction administration. He has worked with Charlotte County for the past 20 years as your Engineer of Record, Senior Consultant, and Client Services. He brings to the team a wealth of knowledge on CCUD's infrastructure and in the design of utilities, wastewater, and water infrastructure, regulatory compliance, and assistance with permitting and stakeholder coordination. Tom is a "big-picture" thinker with direct experience in all phases of projects and utility operations, which will be helpful as we work with the Water Management Districts on this master plan. Tom has the regulatory knowledge and relationships at the Water Management Districts to ensure that the projects in the plan are permissible.

RELATED EXPERIENCE

Hydraulic Sewer Model Technical Assistance | Charlotte County | Client Services, QA/QC | Tom managed the overall project and was the client service liaison. Additionally, Tom provided comprehensive QC to calibrate the model and played a crucial role in developing the recommendations to optimize the overall system and prioritize CIP projects.

Deep Creek Force Main – Lift Station #321 | Charlotte County | Client Services, QA/QC | Jones Edmunds prepared a Preliminary Engineering Report that included results from the wetland delineation and wildlife surveys, and then provided final design, bidding document preparation, and bidding and construction services. Tom provided client services for Charlotte County and communicated with key County personnel.

RTS Interceptor Lift Station and Grand Master Lift Station | Charlotte County | Client Services, QA/QC | Jones Edmunds evaluated the impact of the newly constructed gravity interceptor and grand master lift station with a planned equalization basin to pump to the East Port WRF. We then completed design, permitting, and construction phase services for each sub-project on an as-needed basis. Tom assisted with key coordination with senior client staff for high-level design discussion, funding transfer approvals between tasks, and other planning discussions with the County.

Sewer Master Plan and Update | Charlotte County | Client Services | Jones Edmunds developed and prepared with public input an affordable, reliable, and efficient collection and treatment system plan to address the needs of existing customers while providing for septic system replacements with central sewer for the appropriate areas in the County. Tom provided senior technical oversight of the project and work product QA/QC, facilitating coordination and multi-level communication between our staff and the client.



AREAS OF SPECIALIZATION:

- Utilities Engineering
- Wastewater Master Planning
- Wastewater Treatment Plant Design and Evaluation
- Inflow and Infiltration
- Water, Reclaimed Water, and Wastewater Infrastructure Improvements
- Regulatory and Stakeholder Coordination
- Team Leadership and QA/QC

YEARS OF EXPERIENCE: 35

EDUCATION:

Master of Science, Environmental Resource and Engineering

Bachelor of Science, Environmental and Forest Biology

PROFESSIONAL CERTIFICATION:

Professional Engineer, #61281, FL

Board Certified Environmental Engineer (BCEE), #01-10041

TJ LILLO, PE Project Manager

"I am passionate about water resources engineering because I can help our clients solve their complex problems by implementing water and wastewater management techniques and solutions in communities all over Florida. I enjoy the opportunities to work collaboratively with our clients and take extreme pride in the quality of our products."

TJ serves as a Department Manager in our Utilities Discipline. He is highly skilled in water/wastewater hydraulic modeling and has extensive AutoCAD and GIS experience, which he has gained through lift station, booster station, utility piping, and horizontal directional drilling (HDD) design.

RELATED EXPERIENCE

Bypass Force Main Concept Development | City of Leesburg | Project Engineer | TJ served as the Lead Modeling Engineer. He directly performed or guided the efforts of others in model updates, scenario evaluation, and documentation on this project, where Jones Edmunds developed a Southern Sewershed Bypass Concept to identify the boundaries for wastewater flows to be served by LS 72 and to identify the bypass force main route.

Lift Station No. 72 | City of Leesburg | Project Manager and Engineer of Record | Jones Edmunds designed an upgrade to LS-72 to deliver a pumping capacity capable of handling future flows without overwhelming the 12-inch discharge force main. The design of the new LS-72 included sizing a new wet well, providing aboveground piping, and selecting pumps that can provide the necessary pumping capacity. TJ managed the design and construction portions of the project, provided QA/QC on the entire design, and reviewed submittals during construction. He was also the Engineer of Record for the horizontal directional drill design.

Northside Lift Station and Force Main | City of Zephyrhills | Project Engineer | Jones Edmunds assisted the City with expanding its sewer system in the north end to accrue additional customers and provide a higher level of service for existing customers and future growth. Our responsibilities included coordinating surveying and geotechnical investigation services and providing preliminary and final design, including cost estimations, permitting through several entities, and bidding and award services. TJ performed wastewater force main modeling and prepared the sizing analysis for this project.

Lift Station 71M Master Repump Station Design | Volusia County | Task Manager | Jones Edmunds is providing design, permitting, and construction services for a new master repump station (LS-71) to receive flow from Deltona North WWTF and alleviate capacity and pressure issues in multiple Orange City existing manifolded lift stations. TJ helped with hydraulic modeling QC for the pump selection. He also QC'ed the site plan, force main layout, and lift station design throughout the project.



AREAS OF SPECIALIZATION:

- Project Management
- Water/Wastewater Hydraulic Modeling
- Water, Wastewater, and Reclaimed Water Design
- Water/Wastewater Transport
- Environmental Engineering
- ArcGIS
- Civil 3D AutoCAD
- Capital Improvement Project Development
- Master Infrastructure Planning

YEARS OF EXPERIENCE: 6

EDUCATION:

Master of Engineering,
Environmental Engineering

Bachelor of Science, Environmental
Engineering

PROFESSIONAL CERTIFICATION:

Professional Engineer, #96841, FL

Florida Department of Transportation
Temporary Traffic Control
Certification, #62069, FL

Manhole Rehabilitation Inspector
Training Certification Program (ITCP),
#0520-010118

Pipeline Assessment and Certification
(PACP), U-1120-704000326

JOHN HANNAH, PE QA/QC

"I became a civil engineer to be involved in developing new infrastructure to meet growing needs. Improving aging infrastructure conditions is important and challenging. As a manager, I am passionate about mentoring staff to help them develop skills to meet our future needs and providing QC of our designs."

John is a Senior Manager in the Utilities Discipline in our Tampa office. He is experienced in water and wastewater conveyance systems, surface and groundwater production and treatment, biological wastewater treatment, and discharge limitations, including biological inhibition considerations and water quality restrictions. His experience spans multiple states across the Southeast, from Virginia to Mississippi. Other expertise includes user rate studies, capacity fee studies, asset management, waste load allocation studies, water distribution system modeling, and modeling of sanitary sewer system collection and conveyance systems. Before joining Jones Edmunds, he was the CEO and Utilities Director for a Special Purpose District for 11 years.

RELATED EXPERIENCE

RTS Interceptor Lift Station and Grand Master Lift Station | Charlotte County | Project Manager | John managed this project, where Jones Edmunds conducted a systematic evaluation of the lift station, considering performance, condition, operational issues, build-out flows, collection system deficiencies, and impacts from future improvements. We then completed design, permitting, and construction phase services for each sub-project on an as-needed basis.

Sewer Master Plan Update | Charlotte County | QA/QC | Jones Edmunds developed and prepared an affordable, reliable, and efficient collection and treatment system plan with public input to address the needs of existing customers while providing septic system replacements with central sewers for the appropriate areas in the County. John performed QA of the model data.

Lift Station No. 22 | City of Haines City | Project Engineer | John coordinated CADD and supported the design team working on a 2-mile force main to the WWTP. The new force main will alleviate Lift Station #22's overloading.

2023 and 2024 Annual Reports | Charlotte County | Project Manager | John managed these projects to provide the County with a status update of major utilities assets and to satisfy the annual requirements of issued bond covenants. Jones Edmunds reviewed and updated the previous year's Annual Report, observed the physical plants and met with Operations staff, evaluated critical electrical components, and then met with Engineering and Operations staff for review.



AREAS OF SPECIALIZATION:

- QA/QC
- Project Management
- Water/Wastewater Design
- Compliance Consulting
- Water Quality

YEARS OF EXPERIENCE: 40

EDUCATION:

Master of Engineering, Civil Engineering

Bachelor of Science, Civil Engineering

PROFESSIONAL CERTIFICATION:

Professional Engineer, #98256, FL

JIM MCLELLAN, PE

Lead Designer

"I am happiest working with clients as a team to identify innovative and practical ways to solve problems and improve lives. The water and wastewater industry allows me to combine my skills and interests in projects that benefit society and the environment. Utility infrastructure projects excite me because they often involve creative solutions to persistent issues."

Jim is a Chief Engineer in our Utilities Discipline with over 39 years of experience designing and managing engineering projects and negotiating with regulatory agencies to facilitate effective, practical, and environmentally responsive solutions. Jim rejoined Jones Edmunds after serving as the City of Bradenton's Director of Public Works and Utilities, providing a wealth of knowledge and client operational perspective to our Infrastructure Discipline.

RELATED EXPERIENCE

Sewer Master Plan Update | Charlotte County | Senior Engineer | Jim provided QA/QC and support for this project. He developed the Capacity Analysis Program to assess the levels of infiltration/inflow in the sewer system. Jones Edmunds produced the County's Sewer Master Plan in 2018 and updated it in 2025. The master plan is a public document that management and County officials can use to assist in the utility's long-term planning process and operation.

2024 Annual Report | Charlotte County | Senior Engineer | Jim provided QA/QC and evaluation assistance of WRFs on this project, where Jones Edmunds prepared the Annual Report, which is required to satisfy the bond covenant for a licensed professional engineer to verify the quality of CCUD's operations.

Ridge Manor WRF Expansion | Hernando County | Senior Engineer | Jim oversaw the design team's efforts for this new 2.0-MGD WRF expansion involving a 4-Stage Step-Feed Biological Nutrient Removal process. He coordinated the efforts of multiple subconsultants and developed the design for influent force main modifications to reduce operational headloss within the system associated with wastewater delivery to the new WRF expansion.

Vacuum Sewer Design Assistance | Charlotte County | Senior Engineer | Jim is providing QA/QC for the modeling efforts of this project that is using the County's sewer model to establish the required operating pressures for three new vacuum sewer pump stations associated with ongoing septic-to-sewer (STS) projects in the County that are being designed by the County's STS consultant.

2024 Update of Regional Transmission System, Interceptor, and Grand Master Lift Stations Impacts on Connected Lift Station | Charlotte County | Senior Engineer | Jim is Senior Engineer and providing QA/QC for the modeling efforts of this project that is evaluating and prioritizing minor/major modifications, replacements, rehabilitation, consolidation, and/or substitution of pumps at lift stations and force main modifications to deliver additional wastewater flows to the County's 48-inch gravity interceptor and grand master lift station the feeds the East Port WRF.



AREAS OF SPECIALIZATION:

- Wastewater System Evaluation,
- Design and Permitting
- Utilities Infrastructure Planning, Operations, and Management
- Industrial Wastewater Treatment and Pretreatment Design
- Government Relations
- Project Management
- Water Quality and Whole Effluent Toxicity
- Water Distribution, Pumping, Storage, and Treatment System Design
- Stormwater System Design

YEARS OF EXPERIENCE: 39

EDUCATION:

Master of Science, Civil Engineering (Environmental)

Bachelor of Science, Civil Engineering

PROFESSIONAL CERTIFICATION:

Professional Engineer, #60377, FL

FDEP Qualified Stormwater Management Inspector, #6714

SEAN MENARD, PE, CDT Evaluation/Modeling, Condition Assessment, and Design

"I continue to be passionate about my work from a firm whose core values are Integrity, Knowledge, and Service. I find great joy in serving others and being able to help solve issues alongside those in need. Working as part of a team that places so much weight on the integrity of that work is truly motivating and an inspiration!"

Sean is a Project Engineer in Jones Edmunds' Utilities Discipline. He has participated in various wastewater design projects with some unique requirements, including septic to sewer projects. He will apply his capabilities, informed by his experience, to mechanical systems design for this contract. Complementing his design experience is his deep knowledge of ARC-GIS, AutoCAD Civil 3D, and GEM Software. Sean is a member of the American Water Works Association (AWWA) and the Order of the Engineer. Sean is a former Chair of the Florida Section of AWWA Region IV Water for People Committee.

RELATED EXPERIENCE

Deep Creek Force Main – Lift Station #321 | Charlotte County | Project Manager | Jones Edmunds prepared a Preliminary Engineering Report that included results from the wetland delineation and wildlife surveys, and then provided final design, bidding document preparation, and bidding and construction services. Sean managed this project and provided lift station design and evaluation, construction coordination, submittal review, coordination of construction drawings with subconsultants, and assistance to the County with their Bid Documents.

RTS Interceptor Lift Station and Grand Master Lift Station | Charlotte County | Project Manager | Sean led the day-to-day coordination with the County, including evaluating lift stations through site visits and recording documents, assessing improvements with County staff, evaluating pump performance and efficiency of pump replacements through modeling and graphical interface, and assisting the County with the creation and advisement of Bid Documents.

Post-Hurricane Lift Station Damage Assessments | Charlotte County | Project Engineer | Sean conducted post-hurricane condition assessments for multiple lift stations to evaluate damage and functionality and prioritize repairs for system resiliency, including preparing cost estimates.

Annual Reports (Multiple Years) | Charlotte County | Project Engineer | As the Technical Lead for the wastewater collection system, Sean completed site visits to over 15 lift stations. He worked with County staff to identify needed improvements on this project, where Jones Edmunds prepared the Annual Report, which is required to satisfy the bond covenant for a licensed professional engineer to verify the quality of CCUD's operations.



AREAS OF SPECIALIZATION:

- Wastewater Collection and Treatment Facilities Evaluation, Planning, and Design
- Asset, Pipeline, and Process Condition Assessment
- Dewatering, Thickening, and Digestion
- Disinfection of Water
- Lift Stations and Force Mains
- Construction Administration, Engineering, and Inspection Services
- AutoCAD Civil 3D
- Water Treatment and Distribution Facilities Process Planning and Design

YEARS OF EXPERIENCE: 10

EDUCATION:

Bachelor of Science, Civil and Environmental Engineering

PROFESSIONAL CERTIFICATION:

Professional Engineer, #88647, FL

Construction Documents
Technologist, #2128788

LUKE NIEMAN, EI Evaluation/Modeling

"I became an engineer not just to build things, but to build possibilities—turning problems into progress and ideas into impact."

Luke is an Engineer Intern in Jones Edmunds' Utilities Discipline. He has participated in various wastewater design projects and several sewer modeling projects for Charlotte County. He will apply his capabilities, informed by his experience with the County's sewer models, to mechanical systems design for this contract. His deep knowledge of GEM Software, ARC-GIS, and AutoCAD Civil 3D Software complements his design experience.

RELATED EXPERIENCE

[Ridge Manor WRF Expansion | Hernando County | Engineer Intern](#) | Luke provided design support for this new 2.0-MGD WRF expansion involving a 4-Stage Step-Feed Biological Nutrient Removal process. He assisted with designing a new headworks structure and modeling the impact on existing collection system lift stations based on the new head conditions imposed by the new headworks structure.

[Vacuum Sewer Design Assistance | Charlotte County | Engineer Intern](#) | Luke is the lead hydraulic modeler for this project, which is using the County's sewer model to establish the required operating pressures for three new vacuum sewer pump stations associated with ongoing septic-to-sewer (STS) projects in the County that the County's STS consultant is designing.

[2024 Update of Regional Transmission System, Interceptor, and Grand Master Lift Stations Impacts on Connected Lift Station | Charlotte County | Engineer Intern](#) | Luke is the lead hydraulic modeler for this project that is evaluating and prioritizing minor/major modifications, replacements, rehabilitation, consolidation, and/or substitution of pumps at lift stations and force main modifications to deliver additional wastewater flows to the County's 48-inch gravity interceptor and grand master lift station the feeds the East Port WRF.

[2024 Annual Report | Charlotte County | Engineer Intern](#) | As an Engineer Intern for the wastewater collection system, Luke completed site visits to over 15 lift stations. He worked with County staff to identify station deficiencies and needed improvements on this project, where Jones Edmunds prepared the Annual Report, which is required to satisfy the bond covenant for a licensed professional engineer to verify the quality of CCUD's operations.

[Sewer Master Plan Update | Charlotte County | Engineer Intern](#) | Luke supported the Capacity Analysis Program development for the Sewer Master Plan, establishing the level of infiltration/inflow levels with individual sewer sheds. His work included coordinating with CCU staff to conduct drawdown testing of 11 lift stations. Jones Edmunds produced the County's Sewer Master Plan in 2018 and updated it in 2025. The master plan is a public document that management and County officials can use to assist in the utility's long-term planning process and operation.



AREAS OF SPECIALIZATION:

- Hydraulic Modeling of Wastewater and Water Pipeline Networks
- Wastewater Collection and Treatment Facilities Evaluation, Planning, and Design
- Asset, Pipeline, and Process Condition Assessment
- Lift Stations and Force Mains
- Construction Administration, Engineering, and Inspection Services
- SewerGEMS, WaterGEMS, AutoCAD Civil 3D

YEARS OF EXPERIENCE: 1

EDUCATION:

[Bachelor of Science, Biological Systems Engineering](#)

PROFESSIONAL CERTIFICATION:

[Engineer Intern, #1100027632](#)

ANTHONY HOLMES, PE Condition Assessment

"I became a consulting environmental engineer to help clients develop solutions to benefit their interests and the environment. I am driven to develop solutions and approaches to unique and more conventional projects that will serve our clients."

Anthony is a Senior Engineer with Jones Edmunds. He has over 20 years of experience in water and wastewater engineering, including water supply, wastewater collection, transmission, and treatment facilities, and reclaimed water storage, transmission, and distribution facilities. Anthony is a board member of the AWWA Standards Council. He also chairs the AWWA Solids Handling Pump Standard Committee and serves as Chair of the AWWA Submersible Vertical Turbine Pump Committee.

RELATED EXPERIENCE

Sewer Master Plan | Charlotte County | Project Engineer | Jones Edmunds developed and prepared, with public input, an affordable, reliable, and efficient collection and treatment system plan to address existing customers' needs while providing septic system replacements with central sewer for the appropriate areas in the County. Anthony evaluated the existing conditions and proposed expansions of the WRFs, including site layouts, cost estimates, and other capital improvement projects, and provided technical write-ups throughout the Master Plan.

Annual Reports (Multiple Years) | Charlotte County | Project Engineer | As the Technical Lead for the wastewater treatment plants, Anthony completed site visits to the four WRFs. He worked with County staff to identify needed improvements on this project, where Jones Edmunds prepared the 2020 Annual Report update that summarized conditions at the County's water, wastewater, and reclaimed water facilities, including plants, pump stations, and storage tanks, which is required to satisfy the bond covenant for a licensed professional engineer to verify the quality of CCUD's operations.

Master Lift Station | City of Winter Haven | Project Engineer | Jones Edmunds provided design, permitting, bidding, and construction-phase engineering services for the Master Lift Station. Anthony worked on construction administration and coordination, resident observation, submittal review, requests for information responses, and pay application review.

LS10 14-inch Force Main Replacement | City of Bradenton | Senior Engineer | Jones Edmunds designed a replacement force main for the existing 14-inch force main between Manatee Avenue West and 8th Avenue Drive West. Anthony performed QC reviews of the design submission and provided senior engineer support to the design.

Robinson Force Main – Phase I | City of Haines City | Task Manager | Jones Edmunds' design improvements included replacing two old package lift stations, significantly refurbishing two other lift stations, and replacing pumps for several other lift stations. Anthony helped design a new master lift station and force main and re-routed flows within the existing wastewater collection system to alleviate flows to overloaded sections of the system.



AREAS OF SPECIALIZATION:

- Wastewater and Reclaimed Water System Engineering
- System Inspection and Condition Assessment
- Optimization Evaluations and Studies
- Capacity Analysis
- Construction Management
- Preliminary and Final Design
- Bidding and Procurement Services
- Compliance Studies
- Master Planning
- Permitting

YEARS OF EXPERIENCE: 20

EDUCATION:

Bachelor of Science, Civil Engineering

PROFESSIONAL CERTIFICATION:

Professional Engineer, #70809, FL

JAFET TORRES, PE

Condition Assessment and Design

"Achieving client goals in a balanced way is very important to me. Each project requires independent analysis and evaluation. I hope to put into practice all the knowledge and experience I have acquired in the last 21 years."

Jafet has two decades of experience in design and construction inspection and management, specifically in hydraulic analysis, modeling, pump station design, and quality assurance/quality control of construction documents. Jafet serves in a lead role with hydraulic modeling and mechanical pump station design. For instance, he is helping with the Citrus County Southwest Regional Water Reclamation Facility (SWRWRF) reclaimed water expansion project.

RELATED EXPERIENCE

[Damage Assessment for Utilities Department Infrastructure | Charlotte County | Project Engineer](#) | Jones Edmunds performed prompt and timely condition assessments for Charlotte County Utilities' facilities following Hurricane Ian to diagnose the damage incurred by the natural disaster. Jafet performed site visits and damage assessments.

[Lift Station No. 72 | City of Leesburg | Engineer of Record](#) | Jones Edmunds designed an upgrade to LS-72 to deliver a pumping capacity capable of handling future flows without overwhelming the 12-inch discharge force main. The design of the new LS-72 included sizing a new wet well, providing aboveground piping, and selecting pumps that can provide the necessary pumping capacity. Jafet was the Engineer of Record for the mechanical and structural design.

[Central and Southern Basin Drainage Study and Design | City of Jacksonville Beach | Project Engineer](#) | Jones Edmunds assisted the City of Jacksonville Beach with designing, permitting, bidding, and construction-phase services for various stormwater improvements in the Central and South basins. Jafet assisted with preparing pump drawings, reviewing structural drawings, and coordinating with electrical and pump vendors.

[Lift Station 71M Master Repump Station Design | Volusia County | Project Engineer](#) | Jones Edmunds provided design, permitting, and construction services for a new master repump station (LS-71) to receive flow from Deltona North WWTF and alleviate capacity and pressure issues in multiple Orange City existing manifolded lift stations. Jafet prepared the civil and mechanical design, including sizing and laying out the lift station, gravity mains, force mains, and the wet well, as well as selecting the pumps. Jafet was responsible for obtaining the FDEP permit and responding to bidders' questions during the bid process, and will provide engineering support during construction.

[FGUA Chatmire Septic to Sewer and Force Main | FGUA | Project Engineer](#) | Jones Edmunds provided design, permitting, public education and engagement, and bidding and construction support services for the Chatmire Septic to Sewer Project. Jafet reviewed the pump station submittal.



AREAS OF SPECIALIZATION:

- Hydraulic Analysis and Modeling
- Pump Station Design
- QA/QC of Construction Documents
- Construction Administration
- Master Scheduling
- Cost Estimating

YEARS OF EXPERIENCE: 21

EDUCATION:

Bachelor of Science, Civil Engineering

PROFESSIONAL CERTIFICATION:

Professional Engineer, #80274, FL

TOM BLUSH

GIS-Property Boundary/ Acquisition

"My life has always been centered on water – fishing, boating, diving. I'm excited to be part of a professional team that protects and improves water resources for all of us."

Tom is a Senior Geographic Information Systems Analyst in the Water Resources Department in Jones Edmunds' Tampa office. He has several years of experience implementing GIS solutions to inform policy decisions in state and local government organizations. Tom's career has focused on applying GIS to Water Resources, Asset Management, and Transportation Planning issues. He has been the technical lead on several GIS projects, including developing water conservation potential for the St. Johns River Water Management District's 2010 and 2015 water supply plans. His asset management experience includes implementing the Cityworks Asset Management System in several municipalities' Water, Wastewater, and Public Works departments.

RELATED EXPERIENCE

[Cityworks Implementation | Charlotte County | Technical Lead](#) | Tom has been the technical lead and client contact for each department involved in this multi-departmental ongoing Cityworks implementation. He led workflow discussions, analyzed asset information, and designed the GIS database for use with Cityworks for several groups within Charlotte County Public Works, including Public Works, Utilities, and Facilities Construction and Maintenance departments. Tom and the team have led the Public Works groups through user training and the software Go-Live. All three departments are now using the system.

[Enterprise GIS Implementation/GIS Spatial Assessment | Charlotte County | Task Manager](#) | Tom served in a technical role on the GIS implementation for Charlotte County Utilities. His responsibilities included data migration from existing databases and as-builts, spatial adjustment using orthophotography, GIS analysis, sub-foot field data collection of approximately 18,000 features, establishing topology and connectivity in the geodatabase, and developing standard operating procedures and training documentation.

[Sanitary Sewer Stormwater Inflow Reduction Planning | Pinellas County | Senior GIS Analyst](#) | Tom reviewed historical data submitted by the County and compiled spreadsheets, datasets, databases, CAD datasets, and ultimately, a project geodatabase to organize the data for use with GIS evaluations. The data consisted of flood surface reporting, stormwater and wastewater assets, watersheds tracking and watershed studies, etc., from throughout the County. He reviewed the data and converted it to GIS as needed; imported the stormwater, wastewater, and potable water data; and updated the tracking documentation in preparation for the County's review. He also prepared various queries to identify sanitary facilities with high flooding risk potential.



AREAS OF SPECIALIZATION:

- GIS
- Water Resources
- Water Conservation
- Transportation Planning
- Asset Management Implementation and Administration

YEARS OF EXPERIENCE: 18

EDUCATION:

Bachelor of Arts, Geography

PROFESSIONAL CERTIFICATION:

Certificate, Climatology and Meteorology

Cityworks Administration

Cityworks PLL

KEN FRASER, PE

Design

"One of my greatest satisfactions as an engineer is seeing knowledge translated into a well-thought-out and cost-effective design, which can be constructed and put into service. The real challenge that I enjoy is to create a win/win situation for all stakeholders in a given project."

Ken is a Senior Engineer and Project Manager in Jones Edmunds' Utilities Discipline in our Jacksonville office with over 27 years of experience. He has extensive knowledge in the design, permitting, QA/QC, and construction of various water, wastewater, and stormwater projects, having overseen the design and installation of water, gravity/vacuum sewer, lift stations, and roadway/drainage system improvements for projects ranging from single parcels to facilities that serve hundreds of residential and commercial properties. Services included developing initial project scopes, preparing bid documents for procurement, overseeing construction, developing value engineering options, and preparing permitting from preliminary stages to the certification of complete documentation.

RELATED EXPERIENCE

[Master Lift Station | City of Winter Haven | Task Manager](#) | Jones Edmunds provided design, permitting, bidding, and construction phase engineering services for the master lift station. Ken Fraser was very involved in the preliminary design efforts, specifically with the facility siting phases and overseeing, coordinating, and quality reviewing permitting requirements with FDEP and the City.

[Northside Lift Station and Force Main | City of Zephyrhills | Engineer of Record](#) | Ken was the Engineer of Record for the construction documents, permitting, and construction of the project. This included coordinating with the Contractor for bypass pumping of existing wastewater flows to allow the construction of the new lift station.

[Lift Station No. 72 | City of Leesburg | Engineer of Record](#) | Jones Edmunds designed an upgrade to LS-72 to deliver a pumping capacity capable of handling future flows without overwhelming the 12-inch discharge force main. The design of the new LS-72 included sizing a new wet well, providing aboveground piping, and selecting pumps that can provide the necessary pumping capacity. Ken was the Engineer of Record for the general and civil design.

[Central and Southern Basin Drainage Improvements | City of Jacksonville Beach | Task Manager](#) | Ken serves as a Task Manager on this project, on which Jones Edmunds is assisting the City with designing, permitting, bidding, and construction-phase services for various stormwater improvements in the central and Southern basins, including pump station upgrades.



AREAS OF SPECIALIZATION:

- Wastewater Transmission
- Pump Station Design
- Permitting
- Roadway/Drainage Systems
- Program/Project /Construction Management
- Value Engineering
- Stormwater Engineering and Permitting

YEARS OF EXPERIENCE: 28

EDUCATION:

Bachelor of Science, Environmental Engineering

PROFESSIONAL CERTIFICATION:

Professional Engineer #57452, FL

ED EARNEST, PE Design

"Meeting client goals and providing engineering solutions are important in what I do. I am honored to put into practice all the experience and knowledge to serve our clients with quality products."

Ed is a Professional Engineer with four decades of experience in a broad range of civil engineering project work in Florida. He has managed projects involving FDOT, City, and County Public Works, lift station improvements, and replacements. civil/site design, roadway and replacement designs, water and sewer system infrastructure, water and sewer replacements, water treatment plant improvements and replacements, and wastewater treatment improvements and replacements. Ed has served as both a City and County Engineer in Florida.

RELATED EXPERIENCE

Cedars Plant Interconnect | Citrus County | Project Engineer | The Cedar Lake Mobile Home and RV park is served by a failing package plant. This project is to replace the package plant with a lift station and force main, pumping the wastewater to the SWRWRF. The Cedars Lake Park donated a plot of land for the construction of the lift station. Ed prepared the preliminary engineering report and is developing the force main and lift station design. Our project will include design and permitting through the bid phase.

Lift Station 22 Replacement | City of Haines City | Engineer of Record | This lift station is severely overloaded and needs to be replaced and upgraded to a master lift station to allow the City to continue accommodating growth while improving the level of service and reliability of its wastewater system. Ed led the design, assisted the City with bidding, and is preparing for construction to begin.

Lift Station 20 Design | Clay County Utility Authority | QA/QC | This temporary metal can lift station is in poor condition with increasing flow. The design keeps the lift station as a duplex station, includes a new 8— or 10-foot wet well, converts the existing wet well to a king manhole, includes submersible pumps, and provides space for future odor control. Ed provided a QC review of the design drawings.

Lift Station 4 Improvements | City of Haines City | Project Engineer | Jones Edmunds designed the demolition of the existing lift station and replacement with a new, fully functioning lift station. We will then design and prepare bidding documents and supervise the construction of the new lift station project. Ed was involved in the lift station start-up.

The Centers Routing Study | Marion County | Project Engineer | Marion County identified The Centers in southwest Marion County as a priority area for utility extensions due to the aging water and wastewater treatment facilities serving The Centers. This project was implemented locally through the Progressive Design-Build Services contract with Wharton-Smith, Inc. Jones Edmunds served as the design manager. Edward conducted a field inspection of the lift station and observed its startup and testing.



AREAS OF SPECIALIZATION:

- Environmental Engineering
- Water/Wastewater Transport
- ArcGIS
- Water/Wastewater Hydraulic
- Modeling
- Civil 3D AutoCAD
- Water, Wastewater, and Reclaimed
- Water Design
- Capital Improvement Project
- Development
- Master Infrastructure Planning

YEARS OF EXPERIENCE: 40

EDUCATION:

Bachelor of Science, Civil Engineering

PROFESSIONAL CERTIFICATION:

Professional Engineer, #45859, FL

JOHN HARVEY, PE, LEED AP Civil/Stormwater

"Understanding and managing scope, schedule, and budget on behalf of our clients is my passion. I enjoy communicating with project stakeholders and engaging our project teams in successfully executing projects to achieve project goals and exceed our client's expectations."

John is a Senior Project Manager in Jones Edmunds' Civil Discipline. He has over 37 years of experience in civil engineering, highway design and drainage, construction, and land development. John has taken an active technical and management role in the programming, research, analysis, design development, documentation, and QA/QC for numerous multi-disciplinary projects. John's career has emphasized large transportation and commercial site development projects requiring effective planning and coordination of significant internal resources and external specialty disciplines.

RELATED EXPERIENCE

Central/South Basin Drainage Improvements | City of Jacksonville Beach | Project Engineer | Jones Edmunds is assisting the City of Jacksonville Beach with designing, permitting, bidding, and construction-phase services for various stormwater improvements in the Central and South basins. John is assisting with cost estimates, including pump station upgrades.

Solid Waste Facility Relocation | City of Tampa | QA/QC | John is a Senior QA/QC Engineer for this \$60-million design-build project with Kokolakis Contractors. The project includes a new scale house and scales, an administration building, a parking garage, a maintenance facility, a truck wash, and parking. Design services include water distribution system improvements for fire and potable water; sanitary sewer expansion with gravity systems, master lift station, and force main; and reclaimed water system upgrades. In addition, it includes complete paving, grading, and drainage, transportation updates, and full permitting.

Tampa Police Department – New Evidence and Forensics Facility | City of Tampa | Project Manager | Jones Edmunds is Kokolakis Contracting's Design-Build partner for this project that will redevelop two properties recently acquired by the City to use as a new Evidence Processing and Forensics Testing Facility. John is the overall Project Manager for Jones Edmunds' services, which include the development of site plan documents, property entitlements, and permitting for the 7.26-acre site. Specific components of design and permitting include grading, drainage, stormwater treatment, municipal utility services (sanitary water, fire), wetlands, site security provisions, tree preservation/mitigation, landscape architecture, and irrigation systems.

Stormwater Design Services | Hillsborough County | Project Manager | Jones Edmunds is preparing plans, specifications, and estimates for nine individual work orders under this contract with Hillsborough County. The projects consist of culvert replacements and drainage improvements, including the following services: culvert and drainage system design, pond design, roadway improvements, rights-of-way coordination, utility coordination, maintenance of traffic, and vehicle and pedestrian detouring.



AREAS OF SPECIALIZATION:

- Civil and Transportation Design Construction
- Land Development
- Project Management
- Planning
- Zoning
- Permitting
- Stormwater System Design

YEARS OF EXPERIENCE: 37

EDUCATION:

Master of Science, Civil Engineering

Bachelor of Science, Civil Engineering

PROFESSIONAL CERTIFICATION:

Professional Engineer, #64570, FL

LEED Accredited Professional

MARK ERWIN, PE, ENV SP

Civil/Stormwater

"I have dedicated my entire professional career to working on water resource issues in Southwest Florida. I was born and raised in this part of Florida, and I am proud to be a part of making it better for generations to come."

Mark is a Senior Project Manager in Jones Edmunds' Public Works Discipline. He is an expert in hydrologic and hydraulic (H&H) modeling, watershed management planning, best management practices, project concept development, and water resources design. His software experience includes ICPRv3, ICPRv4, HEC-RAS, HC-SWMM, XPSWMM, SWMM4, SWMM5, and TUFLOW.

RELATED EXPERIENCE

[Capital Cascades Trail \(CCT\) Segment 4 | City of Tallahassee | Senior Project Engineer](#) | Mark performed the model calibration/verification for the ICPRv4 model to validate and confirm model results from the combined model (previously a XPSWMM and ICPRv3). The model was simulated for five storm events, including one AMC I condition, three AMC II conditions, and one AMC III condition. The model was used to permit the current and future project designs, which included flood reduction and regional bank stabilization for the City's Central Drainage Ditch.

[Operable Weir Gate Improvement Study | Sarasota County | Project Manager](#) | Jones Edmunds is conducting a study to evaluate the overall stormwater benefits of automating the 18 operable weir gate structures in the County. The project also proposes conceptual design improvement plans for nine of the gates, including structure and gate retrofits, safety improvements, and SCADA telemetry improvements. Seven of these gates are in the Dona Bay watershed.

[Floodway Delineation – Phase 1 | Hillsborough County | Project Engineer](#) | Mark and Jones Edmunds are assisting Hillsborough County with evaluating the information that will be used to update the floodways, developing methodologies and tools to facilitate the floodway updates, and completing the floodway analysis and delineation for the Pemberton/Baker Creek and Tampa Bypass Canal watersheds.

[*North Beach Stormwater Master Plan | City of Clearwater | Technical Lead](#) | Mark was the technical lead for developing a comprehensive model and master plan for the North Beach area. A flooding level-of-service analysis was conducted, and the model was used to determine optimal stormwater infrastructure upgrades based on various tide conditions, including backflow prevention devices and sizing stormwater pump stations as appropriate. Design alternatives were conceptualized and evaluated for right-of-way needs, utility conflicts, and project benefits. Detailed cost estimates were included for future City planning.



AREAS OF SPECIALIZATION:

- Project Management
- H&H Modeling
- Watershed Management Planning
- Water Resources Design

YEARS OF EXPERIENCE: 24

EDUCATION:

Bachelor of Science, Civil Engineering

PROFESSIONAL CERTIFICATION:

Professional Engineer, #65600, FL

Envision Sustainability Professional #54335, FL

*Indicates work done with a previous firm.

JOHN HORVATH, PE Environmental/Permitting

"I've been an engineer for over 37 years, serving as Project Manager, Project Engineer, and Lead Design Engineer on a variety of multi-disciplined projects, including water/wastewater treatment and transmission system design. I am excited to be part of positive change in the environment that my family, friends, and future generations will enjoy."

John has extensive experience specializing in planning, analyzing, permitting, and designing wastewater, water, and reclaimed water systems for Florida municipalities and industry. He has also worked as a Project Manager, QC Engineer, Senior Engineer, and Lead Design Engineer on various multi-disciplined projects. He is well-versed in project management, modeling techniques, design, field testing, and applications using multiple software programs.

RELATED EXPERIENCE

Lift Station No. 72 | City of Leesburg | QA/QC | Jones Edmunds designed an upgrade to LS-72 to deliver a pumping capacity capable of handling future flows without overwhelming the 12-inch discharge force main. The design of the new LS-72 included sizing a new wet well, providing aboveground piping, and selecting pumps that can provide the necessary pumping capacity. John provided senior QA/QC of the design.

LS #7 Relocation Phase I | City of Jacksonville Beach | Senior Engineer | John provided QA/QC review of the Jones Edmunds design to replace LS #7, abandon two other lift stations, and design a new force main and gravity sewer system, including hydraulic design, electrical, and civil design.

Deltona North Pump Station and Force Main | Volusia County | Project Manager – Design | John oversaw the project team as Jones Edmunds provided funding assistance, planning, design, permitting, and construction administration services for the construction of a new master lift station and 15,500 LF of 12-inch force main that will divert flows from the Deltona North WWTP to SWRWRF.

LS-71M Master Repump Station Design | Volusia County | Project Manager | John is managing this project, for which Jones Edmunds is providing the design, permitting, and construction of a new master repump station (LS-71) to receive flow from Deltona North WWTF and alleviate capacity and pressure issues in multiple Orange City existing manifold lift stations.

The Centers Routing Study | Marion County | Project Manager | Marion County identified The Centers in southwest Marion County as a priority area for utility extensions due to the aging water and wastewater treatment facilities serving The Centers and future development and growth opportunities adjacent to the project area. This project was implemented locally through the Progressive Design-Build Services contract with Wharton-Smith, Inc. Jones Edmunds served as the design manager. John managed the project and was the Engineer of Record for the lift station.



AREAS OF SPECIALIZATION:

- Permitting
- Hydraulic Modeling and Analysis
- Evaluation of Site Conditions
- Project Management
- QA/QC
- Groundwater Modeling
- Water/Wastewater Systems Design
- Land Treatment System Design and Analysis
- UIC Well Design
- Rapid Infiltration Basins

YEARS OF EXPERIENCE: 37

EDUCATION:

Master of Engineering, Civil Engineering

Bachelor of Science, Civil Engineering

PROFESSIONAL CERTIFICATION:

Professional Engineer, #47093, FL

BJ BUKATA, MS, PWS, AA **Environmental/Permitting**

"Plain and simple, I love what I do. I have led hundreds of listed wildlife species assessments, surveys, and wetland delineations and permitted over 100 projects throughout Florida with USFWS, FWC, USACE, or Water Management Districts. In addition, I have led or overseen numerous stream condition index and water quality sampling projects throughout Florida. As I always say, a day in the field is better than any day in the office."

BJ is a Jones Edmunds Senior Scientist who has worked in various capacities as a Wetland Scientist, GIS Analyst, and Project Manager. He has demonstrated the comprehensive interdisciplinary experience necessary to support and analyze environmental projects, emphasizing wetlands, water quality, and ecology. He has proven experience providing technical expertise in ecological services, including evaluating, designing, and permitting off-site regional mitigation areas (ROMAs), wetland delineation, environmental permitting, wetland mitigation design, conducting qualitative and quantitative vegetation monitoring, and conducting wildlife evaluations.

RELATED EXPERIENCE

[Deep Creek Force Main Listed Wildlife Species and Wetland Delineation Assistance | Charlotte County | Project Scientist](#) | Jones Edmunds completed a jurisdictional wetland and surface water delineation and listed wildlife species survey for the utility corridor. BJ led field investigations, managed the project budget and schedule, and prepared and submitted the final report.

[Gopher Tortoise Survey and Permitting Assistance | Charlotte County | Project Scientist](#) | BJ oversaw field investigations, managed the project budget and schedule, and provided QA/QC of final reports for four gopher tortoise projects for Charlotte County Utilities: Linwood Road, Ingram Boulevard to Rotonda Booster Station, Cornelius Boulevard to Biscayne Drive, Walenda Booster to US 41, and JT Custom Pools utility projects.

[Central and Southern Basin Drainage Study and Design | City of Jacksonville Beach | Senior Project Scientist](#) | Jones Edmunds is assisting the City with designing, permitting, bidding, and construction phase services for various stormwater improvements in the central and Southern basins. We performed preliminary site investigations and alternative evaluations to support an updated stormwater model, which was presented along with recommendations. BJ reviewed the proposed improvement alternatives for environmental permitting requirements.

[Lift Station No. 20 Upgrade and Force Main Replacement | Polk County | Project Scientist](#) | BJ was responsible for delineating all on-site jurisdictional wetlands and surface waters within the utility corridor. He assisted the Project Manager in preparing two separate Notice General permit application packages submitted to the FDEP and addressing requests for additional information.



AREAS OF SPECIALIZATION:

- Environmental Permitting
- Wetland Ecology
- Wetland Mitigation
- Wildlife and Habitat Assessments
- Water Quality
- Geographic Information Systems
- Environmental Science
- Wetland Delineation

YEARS OF EXPERIENCE: 28

EDUCATION:

Master of Science, Wetlands Ecology

Bachelor of Science, Wildlife Ecology

PROFESSIONAL CERTIFICATION:

Professional Wetland Scientist,
#1985, FL

Authorized Gopher Tortoise Agent,
#GTA-10-00113D, FL

MIKE CLARK, PE Electrical/I&C/SCADA

"After 48 years as a designer and engineer, experience tells me that for power and control systems, the simplest solution is often the best, making designs simpler to operate and easier to maintain. This typically results in more reliable systems with less downtime for the client."

Mike specializes in electrical engineering and design, computer modeling of water systems (static and extended period simulations), pipeline design and inspection, including corrosion protection and hydraulic analysis, and mechanical design. He has designed instrumentation and electrical systems for numerous general civil and utility projects, solid waste management facilities, pumping stations, and well fields. His computer software experience includes various modeling and design programs and AutoCAD®. Mike's expertise and commitment to providing exemplary service to our clients will benefit the County.

RELATED EXPERIENCE

[Annual Reports | Charlotte County | Senior Engineer](#) | As the Electrical Technical Lead, Mike assessed the condition of electrical equipment at multiple CCUD sites, identified areas requiring improvement, and assisted with writing the final report on this project where Jones Edmunds prepared Annual Report updates since 2017 that summarized conditions at the County's water, wastewater and reclaimed water facilities including plants, pump stations, and storage tanks, which is required to satisfy the bond covenant for a licensed professional engineer to verify the quality of CCUD's operations.

[East Port WRF Expansion | Charlotte County | Senior Engineer](#) | Mike supervised and directed a headworks improvement design, including a bypass system with upgrades for a 27-MGD design capacity. He spearheaded structural inspections that led to repair designs for concrete and reinforcement steel due to severe hydrogen sulfide corrosion.

[Deltona North Pump Station and Force Main | Volusia County | Senior Engineer](#) | Mike provided engineering design and support for the electrical and instrumentation of a master lift station installation. His responsibilities include designing and replacing an existing standby generating system, electrical distribution switchgear, instrumentation, and controls, including connecting to the County's current SCADA system and peer review of mechanical designs.

[Lift Station No. 72 | City of Leesburg | Engineer of Record](#) | Jones Edmunds designed an upgrade to LS-72 to deliver a pumping capacity capable of handling future flows without overwhelming the 12-inch discharge force main. The design of the new LS-72 included sizing a new wet well, providing aboveground piping, and selecting pumps that can provide the necessary pumping capacity. Mike was the Engineer of Record for the electrical design.



AREAS OF SPECIALIZATION:

- Electrical Engineering and Design
- Computer Modeling of Water Systems Using both Static and Extended Period Simulations
- Pipeline Layout Design and Inspection
- Paving and Roadway Design
- Mechanical Design
- Instrumentation and Control Design
- Construction Observation and Start-up
- Systems Assessment and Troubleshooting

YEARS OF EXPERIENCE: 48

EDUCATION:

Bachelor of Science, Electrical Engineering

PROFESSIONAL CERTIFICATION:

Professional Engineer, #48898, FL

GREGG FRUECHT

Construction Administration

"Each project that I participate in typically has challenges that pique my interest and expand my skillset. I enjoy that seemingly simple construction phase tasks provide the opportunity for creative problem-solving."

Gregg has served as a Construction Administrator on various construction projects in Florida. He coordinates field activities with clients, contractors, and our personnel. Among his duties are pre-construction conferences, public engagement, and scheduling contractor construction and subcontractor submissions. During construction, he reviews shop drawings and contractor pay requisitions, fields and processes contractor claims, processes change orders, responds to contractor requests for additional information, investigates private property/resident concerns, and provides construction reports for the Owner. He also oversees post-construction activities, including coordination with owners for facility start-up and process certification, training operating personnel, review of as-builts, and project certifications required by state and federal agencies.

RELATED EXPERIENCE

East Port WRF Expansion | Charlotte County | Construction Administrator | Gregg provided construction administration services throughout this multi-phased project, coordinating with the Contractor and County through post-construction. He provided field observations and direct contractor interaction throughout the construction phase.

Lift Station 11 Replacement | City of Zephyrhills | Construction Administrator | Lift Station 11 was more than 57 years old and displayed severe structural deterioration due to significant hydrogen sulfide presence. The City contracted with Jones Edmunds to plan and design for the demolition of the existing lift station and to construct a new multi-pump, submersible lift station in accordance with City and FDEP regulations. Gregg provided construction administration support.

Chassahowitzka to Southwest Regional Water Reclamation Facility Force Main | Citrus County | Construction Administrator | Jones Edmunds completed design and permitting with CEI services during construction for the upgrades to two lift stations and approximately 12,000 LF of 12-inch DR 18 PVC force main with jack and bore crossings under US 19 and CR 480, as well as 10 HDPE directional drills. Gregg provided construction administration and resident observation services and SRF funding assistance.

Airport Lift Station and Force Main | City of Zephyrhills | Construction Administrator | Gregg provided construction administrative and oversight services for this project, where Jones Edmunds provided design, permitting, and construction services for two traditional triplex lift stations whose force mains manifold into a common force main from the location north of the airport to the City's WWTP.



AREAS OF SPECIALIZATION:

- Construction Administration
- Engineering Field Services
- Environmental Specialist-Environmental Services Group
- AutoCAD
- Public Outreach
- Design-Build, Progressive Design-Build Services, and Assistance
- Construction Manager at Risk-Related Services and Assistance
- Facility Startup and Training
- Process Instrumentation and Controls Testing
- Operational Readiness Testing

YEARS OF EXPERIENCE: 47

EDUCATION:

Associate of Arts, Product Design

JAMIE BELL, PE Funding/Public Outreach

"Funding strategies to mitigate project costs and educational and outreach campaigns that communicate complex technical issues into easily understood and relatable terms are essential to connecting with project stakeholders and influencers."

Jamie is a Department Manager in the Jones Edmunds Utilities Discipline. She has played a vital role in preparing contracts, reviewing engineering design plans, facilitating funding reimbursement requests, and tracking project schedules and budgets. She has experience with grant applications and administration and has assisted local government entities with water supply, water quality, flood protection, and natural resource restoration projects. She also has project management experience, overseeing site inspections, permit applications, wetland assessments, water quality sampling, and monitoring schedules.

RELATED EXPERIENCE

Reclaimed Water Master Plan | Charlotte County | Project Engineer | Jones Edmunds prepared a reclaimed water master plan for the County's utility service areas (Mid County, West County, and South County) and combined them into the County-wide Charlotte County Reclaimed Water Master Plan. Jamie worked on the funding chapter of the Plan.

Northside Lift Station and Force Main | City of Zephyrhills | Project Engineer | Jones Edmunds assisted the City with expanding its sewer system in the north end of the City to attract additional customers and provide a higher level of service for existing customers and future growth. Our responsibilities included coordinating surveying and geotechnical investigation services and providing preliminary and final design including cost estimations, permitting through several entities, and bidding and award services. Jamie provided grant funding application support.

Master Wastewater Feasibility Study | Marion County | Engineer of Record | Jamie was the EOR and assisted with developing a master wastewater feasibility study for the Rainbow and Silver Springsheds Basin Management Action Plans (BMAPs). She assisted with the development of the feasibility analysis document, stakeholder engagement, community interest/special interest group meetings, and general public outreach. She helped to develop and give presentations detailing project background and status, next steps, and inviting public input.

RIVER Governmental Cost Share Program | Suwannee River Water Management District (SRWMD) | Project Manager | As a District employee, Jamie assisted in administering SRWMD's annual \$1.5 million per year RIVER grant program, which included approximately 35 projects. Jamie's project management responsibilities included budget development and management, contract drafting and execution, technical review of engineering design plans, approval of deliverables, site inspections, comprehensive project documentation and tracking, and other duties as needed.



AREAS OF SPECIALIZATION:

- Public Outreach and Engagement
- Grant/Funding Assistance
- Lift Stations and Force Mains
- Environmental Engineering
- Site Development
- Water System Design
- Wastewater Collection and Transmission System Design and Permitting
- Project Management
- Floodplain Management

YEARS OF EXPERIENCE: 11

EDUCATION:

Master of Science in Engineering,
Environmental Engineering

Bachelor of Science, Agricultural
and Biological Engineering

PROFESSIONAL CERTIFICATION:

Professional Engineer, #84793, FL

FDEP Stormwater Erosion and
Sedimentation Control Inspector,
#38688

KELLY FLOWERS HASS, MBA

Funding/Public Outreach

"Effective public outreach starts with understanding. We partner with our clients and project delivery teams to equip them with the tools to connect with their constituents. This role requires more than just messaging—it calls for a deep appreciation of the many variables that shape public perception and response. Translating complex technical information into compelling, audience-appropriate communication is no small task. But when marketing, engineers, and clients come together as one team, we meet that challenge head-on—and deliver results that resonate."

Kelly is the Marketing Director at Jones Edmunds. With 18 years of experience, her expertise is in developing, executing, and measuring successful marketing and business development strategies. She is a registered lobbyist who assists with legislative tracking, grant pursuits, and monitoring and reporting legislative activities. Kelly is experienced in organizing, conducting, and coordinating public meetings, media, and elected official communication. At Jones Edmunds, she leads the development and evaluation of marketing strategies, communication plans, and brand awareness, in addition to managing the proposal coordination and marketing team.

RELATED EXPERIENCE

DeLeon Springs Utility Extensions | Volusia County | Public Outreach Services | Jones Edmunds provided the planning, design, public/stakeholder outreach, and construction services (working under a CMAR format) to connect approximately residential and commercial properties to the City of Deland central wastewater system and improve the water facilities in the corridor. The project included a new master lift at the school, approximately 3.5 miles of wastewater force main, and 3.5 miles of water main, including fire hydrants along the entire route. Kelly assisted the County with public and stakeholder outreach.

North Florida Mega Industrial Park Ribbon Cutting | Columbia County | Public Outreach | At the Park grand opening in May 2025, Kelly represented Jones Edmunds by leading public outreach efforts to enhance community engagement and education. She developed a guided walking tour that highlighted key infrastructure components and sustainable design features throughout the site. Kelly also created educational materials and interactive signage to inform attendees about the environmental and economic benefits of the park. Her work supported the event's goal of promoting regional growth while demonstrating a commitment to innovation and responsible development.

East Old Homosassa Sewer Project | Citrus County | Public Outreach Services | Kelly assisted in the planning of the public outreach for the Open House to explain this septic-to-sewer project to local citizens. This project includes a new sewer collection system serving approximately 400 parcels in the Old Homosassa area. This project received Springs funding as it will directly benefit the Homosassa Springs water quality and was identified as a priority project in the Homosassa and Chassahowitzka River BMAP.



AREAS OF SPECIALIZATION:

- Public Relations
- Brand Management
- Client Relations
- Campaigns
- Market Research and Analysis
- Marketing and Business Development Plan Development
- Communication Multi-Media Development
- Community Event Coordination

YEARS OF EXPERIENCE: 22

EDUCATION:

Master Business Administration

Juris Master, Cybersecurity, Privacy, and Technology Risk Management

Master of Science, Health Education and Behavior

Master of International Business

Master of Arts, Speech Communication

Bachelor of Arts, Speech Communication



David J. Hunniford, PE

Role: Corrosion & Odor Control | Senior Engineer

Education

B.S., Chemical Engineering,
Georgia Institute of Technology, 1982

Registration

Professional Engineer, FL (PE43314)

Joined V&A

2019

Total Years of Experience

39 years

Patents

- US Patents 4,911,843 (3/29/90) and RE37,181 (5/22/01): Process for Removal of Dissolved Hydrogen Sulfide and Reduction of Sewage BOD in Sewer or Other Waste Systems.
- US Patent 7,087,172 (8/8/06): Methods for Reducing Nitrate Demands in the Reduction of Dissolved and/or Atmospheric Sulfides in Wastewater.
- US Patents Des. 347,469 (5/31/94) and Des. 361,834 (8/29/95): Air Scrubber Unit for Use in Removal of Pollutants from the Air.

Professional Summary

Dave has over 39 years of experience in the field of water and wastewater odor, hydrogen sulfide-related corrosion, and trenchless pipeline engineering. His project expertise includes solving various odor and corrosion issues in municipal water and wastewater systems, including collection, distribution, and treatment systems, as well as installing pressure pipelines by horizontal directional drill, jack and bores, slip lining, and pipe bursting. He has performed and overseen the analysis and design of odor control solutions, operation, and maintenance of liquid and vapor phase odor control equipment, and managed long-term system-wide odor control programs for municipalities nationwide. He has also provided technical and field support for hundreds of trenchless water and wastewater pipeline installations in Florida and Georgia, ranging from 4-inch to 36-inch with bore lengths to 4000LF.



Relevant Experience

Sarasota County, Wendell-Kent Pump Station Rehabilitation, Sarasota, FL

Conducted the condition assessment and odor control-related engineering services for the rehabilitation of a 3.4 MGD regional pump station. The fourteen-year-old submersible station experienced liner failure and significant concrete wall loss due to extreme hydrogen sulfide-induced corrosion. V&A rated the condition of walls and ceiling using the VANDA® scale and performed surface penetration and pH testing. Rehabilitation recommendations were provided based on this condition assessment.

Manatee County Collection System Odor and Corrosion Control Program. Manatee County, FL

Assessed existing collection system odor control program across three areas that collectively conveyed 24 MGD of wastewater via 700+ lift stations. Providing ongoing technical oversight and program management for system enhancement and hydrogen sulfide control aimed at reducing corrosion. Routine services since 2020 include reports, directing vendor activities, and evaluating performance data. The program received the Florida Water Environment Association Odor Control award for Environmental Stewardship.

Pasco County Shady Hills Wastewater Treatment Plant (PCSHWWTP) Headworks Replacement Assessment and Design. Shady Hills, FL

Project Manager in support of plans to expand PCSHWWTP, including condition assessment of the existing 14-year-old elevated concrete headworks structure and odor control system. V&A and County staff coordinated a temporary flow bypass of the headworks to enable visual assessment and video documentation using the VANDA® scale of the entire influent header channel, four bar screen channels, two grit removal chambers, and an outlet flow structure. Ultrasonic wall thickness testing was performed on influent ductile iron piping, hydrogen sulfide, and dissolved sulfide loading conditions. Provided report with recommendations. Assessed the performance of the existing chemical odor control system and provided operational recommendations to improve overall performance.



TAB II.

PROPOSED MANAGEMENT PLAN

Team Organization

Our team is specifically structured to support the work elements needed for the County's Lift Station Replacements project. This includes senior staff and subconsultants with professional experience and expertise in project background, historical data, system evaluations, condition assessments, odor and corrosion control, CEI services, funding and public outreach, and related support disciplines such as sustainability, energy efficiency, survey, geotechnical, electrical, and structural engineering.

Our key team members have a long history of working together, with many working with CCU for over a decade. This background gives us a solid understanding of your operations, systems, and needs. By combining our in-house team with essential local and specialty subconsultants, our goal is to deliver CCU an unparalleled level of understanding, communication, and results-focused consulting for this project.

Our leadership team of TJ Lillo and Tom Friedrich will collaborate to deliver results promptly and cost-effectively. Jones Edmunds' QA/QC lead, John Hannah, is managing or involved with many of the County's recent relevant projects, giving him a thorough understanding of your needs. With these resources engaged in the project from day one, we are confident that the County's expectations will be understood at the highest level of our organization, with the necessary resources to complete the project to your satisfaction.



Our approach focuses on satisfying the County's goals and objectives efficiently and cost-effectively.

We believe that doing this maximizes the benefits to the County and requires a team that not only has excellent technical knowledge but also possesses significant institutional knowledge about the County's wastewater system, including existing models, flow projections, ongoing system improvements, and overall operations. This expertise uniquely qualifies us to complete this project with minimal learning and allows us to focus on achieving your project goals, schedule, and budget.

As shown on the organization chart in Tab I, we have different experts leading various parts of the project. These experts will be supported by staff who provide additional assistance as needed. This approach relies on a core group of staff, our key personnel, who will be involved throughout the project and remain dedicated to the County until it is completed. This core group offers the continuity essential for smooth and efficient coordination of the overall effort. You will recognize this core team from most of our ongoing projects. Their ongoing involvement beyond this project reduces redundant coordination and streamlines meetings between the County and our team.

Complementing this core team of staff is a diverse group of experts who can apply task-specific technical knowledge where needed. By taking this balanced approach, we offer the County the personal service you expect from a small company combined with the depth and breadth of knowledge and expertise you anticipate from a large firm. We believe that the Jones Edmunds team outlined here offers the County the best of both worlds and will assist in lift station replacement design to meet the County's needs effectively.

Project Management Approach

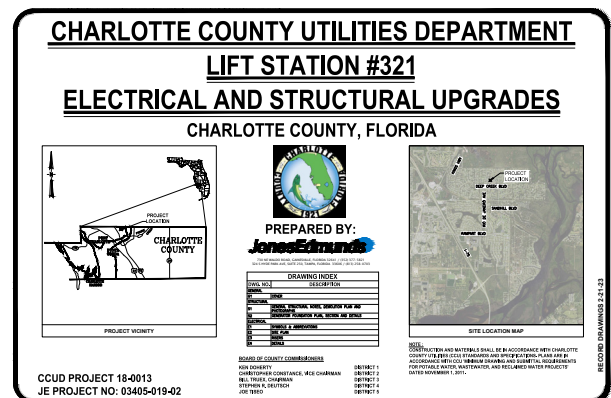
DESIGN

We approach every project for CCU using a comprehensive, structured process designed to provide meticulous planning, clear communication, and seamless delivery. At the onset of the project, Tom Friedrich and TJ Lillo will meet with the County's Project Manager to describe, discuss, and establish the project's objectives, scope, budget, and schedule. They will both be readily accessible to the County to communicate and allocate the appropriate resources to execute your project on time and within budget.

At the start of the project, we create a tailored Project Plan that outlines the scope, key milestones, team assignments, schedule, budget, quality protocols, and communication lines. We will hold a kickoff meeting to confirm priorities, clarify administrative procedures, and foster transparent collaboration. Regular status meetings and progress reviews help keep the team aligned, while we maintain frequent communication with County representatives through meetings, reports, and digital workspaces. We leverage our internal project management system, integrated with accounting and scheduling tools, so that all aspects of the project, from resource projections to deliverable tracking, are managed efficiently. Our processes align with Charlotte County's accountability, transparency, and responsiveness standards.

Key elements of our design phase include:

- Condition Assessment
- Alternatives Evaluation
- Design Development with 30%, 60%, and 90% Deliverables
- Permitting and Regulatory Coordination
- Quality Control
- Stakeholder Communication
- Bid Document Preparation



CONSTRUCTION

During the construction phase of a lift station rehabilitation project, we organize our team to provide effective oversight, technical support, and clear communication, supporting the County's goals for quality, compliance, and timely project delivery. Our approach is rooted in multidisciplinary collaboration and a commitment to protecting the County's interests throughout construction.

We begin the construction phase with a pre-construction meeting, bringing together Charlotte County staff, the contractor, and our team to review project goals, schedule, safety requirements, and communication protocols. Throughout construction, we:

- Conduct regular progress meetings to review status, address challenges, and document action items.
- Review and respond to contractor submittals, shop drawings, and RFIs to confirm conformance with the design intent.
- Observe and document construction activities, providing field reports and photographs to the County.
- Evaluate change order requests and review contractor pay applications to support cost control and transparency.
- Coordinate with regulatory agencies to confirm permit compliance and schedule required inspections.
- Prepare record drawings and assist with project closeout, including final inspections and certification documentation.

During the construction phase, our team organization is designed to provide Charlotte County with responsive, knowledgeable support, clear documentation, and proactive issue resolution. We are committed to delivering effective construction-phase services that result in reliable, compliant, and long-lasting lift station rehabilitation.



TAB III.

PREVIOUS EXPERIENCE OF TEAM

Previous Experience with Lift Station Projects

We have a proven record of delivering effective engineering solutions for lift station design and rehabilitation projects across Florida. Our team's experience spans the full spectrum of lift station work, from the design and construction of triplex master pump stations to simplex and duplex service stations for individual properties. We have successfully completed numerous projects involving both new installations and upgrades, including upsizing pumps and pipes to meet increased flow demands, retrofitting stations for advanced communication equipment, and integrating back-up power systems. Our methodology supports infrastructure hardening, preparing facilities to withstand environmental challenges such as hurricanes and rising sea levels.

Our expertise is further demonstrated by our work with CCU where we have provided comprehensive services including hydraulic modeling, preliminary engineering, design, permitting, and construction administration for lift station and force main improvements. We have evaluated and implemented solutions for both minor modifications, such as pump replacements and rehabilitation, and major projects involving total replacements and consolidations. Our team's deep familiarity with local utility systems, supported by our ongoing work on master plans and annual reports, provides us with a unique understanding of system needs and operational challenges.

We are committed to providing responsive, high-quality service, leveraging our multidisciplinary team's technical depth and local knowledge. Our approach provides the County with reliable, cost-effective, and resilient lift station solutions that address both current requirements and future growth. This commitment is reflected in our long-standing relationships with utility clients and our ability to deliver projects that improve system reliability, operational efficiency, and regulatory compliance.

The table below shows example clients that some of our proposed team members have supported on similar lift station projects, demonstrating their extensive previous experience. Details on specific projects for each client are included in Tab VI.

Client	Tom Friedrich	TJ Lillo	John Hannah	Jim McLellan	Sean Menard	Luke Niemann	Anthony Holmes	Jafet Torres	Thomas Blush	Ken Fraser	Ed Earnest	John Horvath	BJ Bukata	Mike Clark	Gregg Fruecht	Jamie Bell	Kelly Flowers
Charlotte County	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓		✓
City of Winter Haven	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓		✓
Volusia County	✓	✓			✓		✓	✓	✓	✓	✓	✓	✓	✓		✓	
City of Bradenton	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓		
City of Leesburg	✓	✓		✓	✓		✓	✓		✓	✓	✓	✓	✓		✓	
City of Jacksonville Beach		✓		✓	✓		✓	✓		✓	✓	✓	✓	✓		✓	
City of Zephyrhills	✓	✓	✓		✓		✓	✓				✓	✓	✓	✓		✓
Gainesville Regional Utilities		✓			✓			✓		✓	✓	✓	✓	✓			✓
Hernando County	✓	✓	✓	✓	✓	✓	✓								✓		
Citrus County	✓	✓						✓		✓		✓		✓	✓		
City of St. Cloud	✓		✓	✓	✓		✓					✓	✓	✓	✓		
City of Plant City	✓			✓								✓	✓	✓	✓		



TAB IV.

PROJECT CONTROL

Project Control

SCHEDULE CONTROL METHODS

With the County's stated goal of having Bid Documents prepared within 220 calendar days, schedule control will be essential. At Jones Edmunds, we apply a disciplined project management strategy to provide the timely completion of every project phase. At project initiation, our Project Manager, TJ Lillo, will hold a kickoff meeting with Charlotte County's Project Manager to confirm objectives, scope, budget, and timeline. Built into the timeline will be agreed-upon periods for CCU to review the design stage submittals. This establishes the foundation for developing a detailed project schedule. The schedule breaks down the project into clear, logical tasks and interdependent milestones, acting as a roadmap for all involved.

Throughout the project lifecycle, we hold regular meetings with key team members, including subconsultants and County staff. These sessions focus on the current status, upcoming milestones, and any potential risks to the schedule. This ongoing communication promotes transparency and allows for early detection and correction of potential schedule deviations before they impact overall project goals. To maintain a complete historical record, our team prepares and submits design meeting minutes to clearly document design decisions and action items for both Jones Edmunds and CCU. Similarly, during the construction phase, we prepare daily observation reports and photographic documentation of both progress and any issues encountered. These records aid in maintaining the project schedule and support the timely and effective resolution of issues if disputes arise.

We leverage cloud-based project management platforms to make daily reports and files that are instantly accessible to all relevant Charlotte County staff. Project files and documents are shared through secure platforms, allowing immediate access to information. If deviations from established schedules occur, our Project Manager promptly communicates with the County to discuss corrective strategies and update milestones as needed.

In our ongoing work with Charlotte County, including the Annual Reports and system evaluations, we have consistently monitored and documented project schedules through weekly status meetings and regular communication, delivering results on time.

COST CONTROL METHODS

In today's volatile construction market, controlling costs has become increasingly more important to achieve project affordability. On the design side, our firm uses a highly customized version of Deltek Vision as the core of our cost control strategy. This web-based system integrates all our business and project functions, including resource management, project accounting, labor scheduling, time-and-expense tracking, and billing, into a seamless workflow. With Deltek Vision, as Project Manager TJ Lillo has immediate access into each task's budget and schedule status, allowing for quick responses to any deviations.

Every week, the Project Manager and their supervisor can prepare and review detailed project performance reports. These reports track expenditures to date, estimates to complete, and any deviations from the original budgets. If unanticipated challenges occur, such as unforeseen site conditions or regulatory-driven design changes, we facilitate rapid collaboration among the project team, client, and contractor to assess the impact, explore options, and determine the most financially sound solution.

For Charlotte County's wastewater and lift station projects, this weekly financial review process has consistently delivered results that meet or exceed budget expectations.

RESPONSIBLE FOR SCHEDULE AND BUDGET

Our Project Manager, TJ Lillo, is directly responsible for managing the schedule and budget, supported by regular coordination with department managers and transparent reporting to the client. For Charlotte County, our deliberate approach has led to consistent delivery of high-quality evaluations, master plans, and capital program support within approved budgets for over 20 years.

Cost control during design also includes developing lift station designs that are in line with CCU's established budgets. With each design submittal, we prepare an Engineer's Opinion of Probable Construction Costs (EOPCC) based on current material costs and a database of recent construction bids that we maintain. At each design submittal review meeting with CCU, we will review the EOPCC in comparison to the County's capital budget for the lift station replacement. As necessary, we will work with CCU staff to identify design modifications that may be available to reduce construction costs and mutually agree on what design modifications will be incorporated in the next design submittal.

Problem-Solving During Construction Phases

Unforeseen challenges can occur during construction, such as permitting delays, supply disruptions, or site access conflicts. Our process focuses on quickly identifying and solving these issues without compromising quality or budget control. When a potential problem is detected, whether through daily field observations, progress meetings, or client feedback, our Project Manager gathers the relevant technical team, including construction and design experts, to brainstorm solutions.

We promote collaborative problem-solving to prevent issues from escalating and involve the client in identifying immediate mitigation actions. We work closely with Charlotte County staff to gather relevant site or operational insights that may inform the corrective action. Once the team agrees on the most effective course, we promptly communicate findings, options, and recommendations to the County. If a resolution affects cost or schedule, we provide transparent documentation and negotiate necessary change orders fairly and efficiently.



This approach was especially effective during the aftermath of Hurricane Ian, when we were tasked with damage assessment and rapid infrastructure repair support for Charlotte County. Quick connection to the right technical staff, clear communication, and thorough documentation helped us restore crucial wastewater system services and kept the overall program schedule and budget intact across the entire utility system.

WORKLOAD MANAGEMENT AND RESOURCE ALLOCATION

Maintaining the right balance of resources across projects is essential for meeting schedules and maintaining productivity. We routinely analyze current and projected workloads using integrated software tools and biweekly internal staff reviews to allow for proper allocation of resources. Through Deltek Vision, our Department Managers and Project Managers monitor weekly team assignments, labor hour estimates, milestone dates, staff availability, and project commitments. They seek evidence that each task will receive the attention and resources needed for successful completion. Each team member's projections are visible to managers and colleagues, enabling us to spot potential constraints early and prevent delays. This centralized, transparent approach helps us reassign personnel as needed, proactively resolve workload issues, and create redundancy within our project teams.

For Charlotte County projects, we leverage the collective expertise and flexibility of our multidisciplinary offices across Florida. When necessary, we can quickly mobilize additional qualified personnel from our extensive network to adapt to changing priorities or workload surges without delay. This strategy has allowed us to deliver continuous services and support for capital programs, even during peak periods. We have built internal redundancy in key roles to provide coverage during unexpected staff changes or surges in demand. Our availability is based on our knowledge of our project-focused staff's current workload, backlog, available hours, and upcoming bookings. The schedule for our proposed key personnel's availability during this project is detailed in the table in the below.

Key Personnel	Percentage Availability
Tom Friedrich	60%
TJ Lillo	55%
John Hannah	75%
Jim McLellan	50%
Sean Menard	30%
Luke Neimann	30%
Anthony Holmes	35%
Jafet Torres	30%
Thomas Blush	35%
Ken Fraser	30%

Key Personnel	Percentage Availability
Ed Earnest	40%
John Harvey	80%
Mark Erwin	60%
David Hunniford	50%
John Horvath	80%
BJ Bukata	40%
Mike Clark	30%
Gregg Fruecht	50%
Jamie Bell	70%
Kelly Flowers Hass	80%

Our robust project management system, aligned with strict QA/QC protocols, provides the accountability and communication necessary for effective project execution. By incorporating schedule, cost, and workload controls within a tailored management plan, we give Charlotte County confidence in our ability to handle complex projects. Our experience, technology, and dedication to client partnership deliver not only successful results but also transparency and lasting value for every project.



TAB V.

PROPOSED DESIGN APPROACH

Design Approach and Technical Methodology

COMPREHENSIVE UNDERSTANDING

Our design approach and technical methodology for the 2025 Lift Station Replacements project are grounded in a comprehensive understanding of the Charlotte County Utilities (CCU) wastewater collection and transmission system. This understanding has been garnered through our work on both the 2017 and 2024 Sewer Master Plans, our development and maintenance of the County's two SewerGEMS hydraulic models, and the Annual Reports on utility system conditions we have completed since 2017. In fact, as part of the most recent Annual Report in 2024, Jones Edmunds completed assessments of four of the five LSs included under this contract, providing our team with unrivaled knowledge of these LSs and their conditions.

LS 1 Wet Well Condition

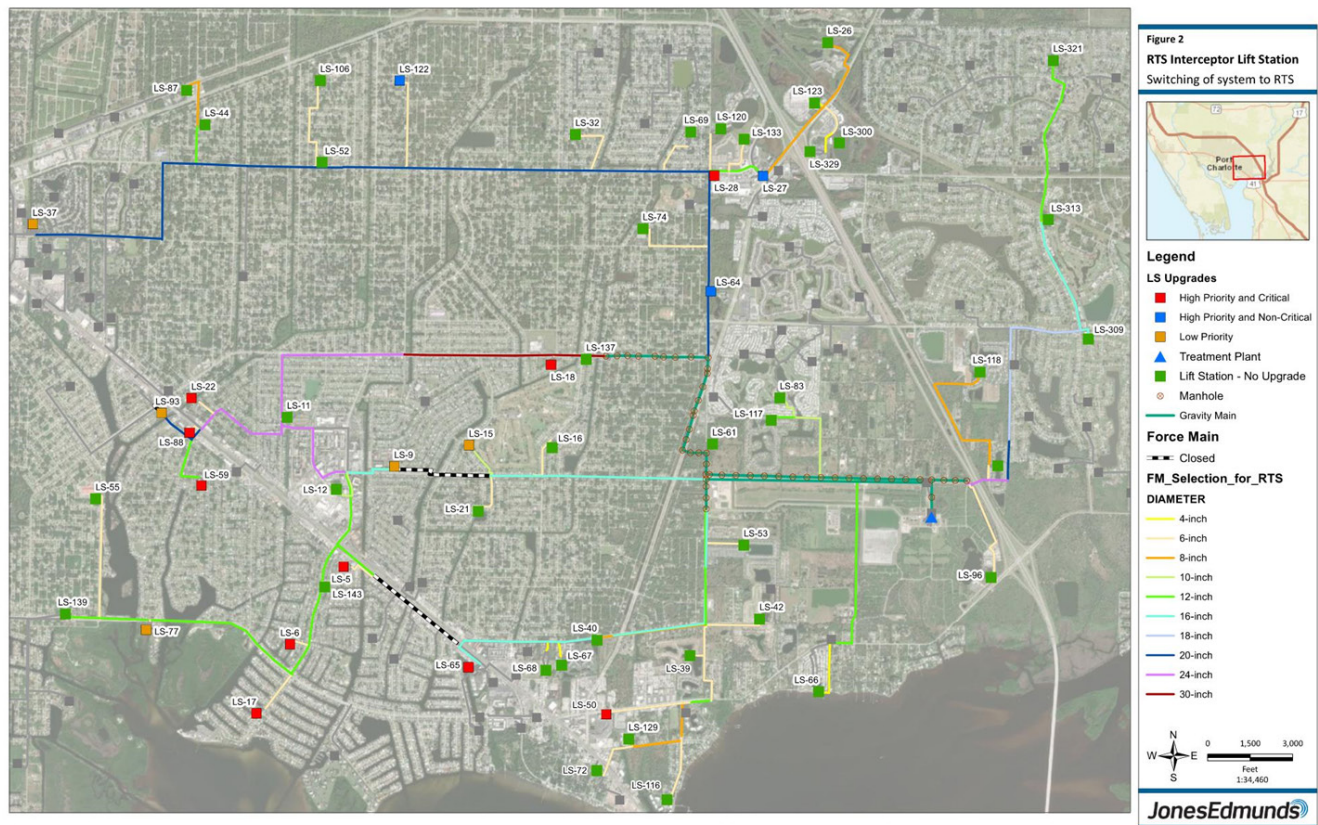


LS 7 Pure Oil Pump House



Our ongoing work with the County's SewerGEMS model gives our team a thorough understanding of the overall sewer system, with a particular focus on the impacts of the Regional Transmission System (RTS) and Grand Master Lift Station (GMLS) on the Mid-County sewer system. We have actively supported CCU in evaluating and modeling these impacts to develop effective lift station upgrades and system optimization recommendations.

As detailed in the Jones Edmunds Technical Memorandum, *Regional Transmission System, Interceptor and Grand Master Lift Station Impacts on Connected Lift Stations – WO #22*, the completion of the RTS and GMLS was a transformative step for the County's wastewater infrastructure. The RTS and GMLS were designed to improve the hydraulics of the wastewater transmission system in Mid-County and prevent storage of inflow and infiltration (I&I) flows, which can contribute to sanitary overflows. With the RTS and GMLS online, the configuration of the collection system shifted significantly: 59 lift stations now discharge into the RTS gravity interceptor, which conveys flows by gravity to the GMLS for repumping to the East Port Water Reclamation Facility (WRF). When factoring in repumping throughout the sewer system, overall a total of 172 lift stations, 25 private lift stations, and four vacuum stations discharge into the RTS gravity interceptor. We are currently conducting hydraulic modeling that is evaluating means to direct additional system flows to the RTS and GMLS.



Our methodology supports a thorough hydraulic analysis of the sewer system's current and future conditions. The addition of the RTS and GMLS provides an overall benefit by lowering system pressures, which increases pumping capacity at the lift stations and may reduce pump run-times and energy costs. However, these lower head conditions differ from the original design conditions for each lift station, necessitating a detailed evaluation to identify any adverse impacts on pump operations.

We employ dynamic hydraulic modeling to simulate the new operational environment for each connected lift station. This modeling allows us to:

- Assess whether the new hydraulic conditions could result in operational challenges, such as pump dead-heading, inability to pump peak hourly flows, or pumps operating off their curves.
- Identify lift stations that may require upgrades, such as new pumps, controls, or wet well modifications, to adapt to the changed system pressures and flow patterns.
- Recommend targeted improvements that provide operational flexibility, constructability, and cost-effectiveness, while minimizing the risk of sanitary sewer overflows.

Our approach also includes close coordination with CCU staff to review model results, prioritize lift station upgrades, and develop phased implementation plans. We document all findings and recommendations in technical memoranda and preliminary engineering reports, facilitating informed decision-making and efficient project delivery.

By leveraging our experience with the County's sewer system, your two sewer models, the RTS and GMLS impacts, and our ongoing support for CCU's master planning and modeling efforts, we will be able to begin work immediately; there will be no learning curve for our team. We are committed to providing Charlotte County with a resilient, reliable, and effective wastewater collection system that meets current and future needs.

Design Philosophy

Our design philosophy is founded on a client-focused, technically rigorous approach that aligns perfectly with the goals and regulatory requirements of Charlotte County's wastewater lift station replacement project. Our commitment centers on delivering resilient, sustainable, and operationally robust lift stations that meet and exceed contemporary design and compliance standards. We take a lifecycle perspective, proactively integrating operational flexibility, maintainability, and adaptability to future system growth and regulatory evolution.

We approach each lift station as a strategic asset within the wastewater system, emphasizing comprehensive site assessments, precise hydraulic modeling, and coordination with the County's Sewer Master Plan and ongoing hydraulic modeling initiatives. Early engagement with stakeholders and agencies drives the identification of project constraints and opportunities, helping us implement solutions that support system performance and ease of maintenance across diverse conditions. By prioritizing accessibility, reliability, and environmental stewardship, we observe and document designs that contribute directly to Charlotte County's long-term wastewater infrastructure goals.

Our methodology supports robust QA/QC at every stage of the process, from concept development through design, permitting, and construction. Each deliverable undergoes multi-level internal reviews, drawing on deep organizational expertise. This commitment to quality and accountability underscores our reputation for delivering effective technical outcomes and forging strong client partnerships.

DESIGN APPROACH

Below is our general approach to designing each lift station replacement under this contract.

Kickoff Meeting, Site Visits, Review of Existing Utility Plans, and Confirmation of Existing Conditions.

Jones Edmunds will coordinate with CCU to schedule a kickoff meeting for the project at which we will establish CCU's vision and critical measures of success for the project and CCU contacts and lines of communication to be used throughout the project and brainstorm ideas for rerouting gravity sewers and force mains, as necessary, at each LS. We will also discuss the options for odor control and standby power generators for each LS and establish CCU's design intent for these aspects of the LS designs. Additionally, we will coordinate with CCU on a public outreach plan for the residents and businesses near to the LSs.

Following the kickoff meeting, we will conduct a site walk-through with CCU staff at each LS site, as well as proposed sites for LS relocations and routes for pipeline relocations, to confirm existing conditions at each site. As part of the site visits, we will review existing utility plans and the utility corridors to evaluate utility conflicts. The Jones Edmunds team participating in the site visits will include our electrical subconsultant EMI and personnel from our Construction Services staff who have extensive experience in dealing with utilities construction and the types of issues that may arise during construction. They look at sites with a construction eye that is different than what a designer may see and can identify potential issues for designers to address before they become an issue in the field.

Data Request

Jones Edmunds has extensive knowledge of each of the LSs included under this RFP. In fact, as part of the 2024 Annual Report we completed, four of the five LSs were assessed. To supplement the information we currently have, we will prepare and submit a formal data request related to each of the LSs. This is expected to include Record Drawings for the LSs, as well as updated information on the pumps and electrical requirements for the specific pumps installed at each station. Additionally, we will request the most recent drawdown test information for the LSs. Jones Edmunds will coordinate with CCU staff to obtain existing Record Drawings for the LSs, as well as current flow data from the County's SCADA system.

Design Workshops

We will schedule design workshops with CCU staff, including engineering, wastewater lift stations, and wastewater collections personnel, to review information related to each of the project LSs and the goals for replacing each station. At the workshop, we will gather information from staff regarding any operational issues at the stations and staff preferences for equipment to be incorporated into the LS designs.

At the workshops, we will present the build-out flow loading for each LS currently modeled in the CCU SewerGEMS hydraulic model. We will coordinate with CCU staff to confirm previously developed flow projections for each LS and agree on any need to develop new loadings for them. We will also review site constraints associated with each lift station replacement and discuss alternatives for positioning the replacement stations, as well as review backup power and odor control strategies for each.

Initiate Public Outreach

At the early stage of each lift station design, we will coordinate with CCU staff to identify the various stakeholders for each site, including adjacent residences and businesses, and develop a formal public outreach plan. The goal of the plan will be to educate the stakeholders on the need for the lift station replacements, solicit their input related to site amenities that can be used to minimize aesthetic concerns, and provide information related to the potential impacts to them during construction.

Field Investigations

Site Surveys: Jones Edmunds will coordinate with our surveying subconsultant, Hyatt, to complete boundary and topographic surveys for each LS site and routes for gravity and force main rerouting, where appropriate. These surveys will locate existing structures, utilities, roadways, and other pertinent site features. The extent of the areas to be surveyed will be determined based on final approval from CCU.

Geotechnical: Our subconsultant, Ardaman & Associates, will conduct geotechnical investigations. The field exploration will consist of Standard Penetration Testing (SPT) of the LS wet well locations and any required pipeline routes for relocated gravity sewers and/or force mains. The number and depths of the SPT borings will be established and presented to CCU for approval.

Laboratory testing will be conducted to define the soil characteristics based on this field exploration. The results of the field exploration and associated laboratory testing will be summarized in a report, which will also provide recommendations for site preparation and foundation design.

Jurisdictional Wetland Assessment: Jones Edmunds will assess the approximate limits of jurisdictional wetlands in the area of each LS and pipeline routes for gravity sewer and force main relocations. This will be accomplished via a combination of a desktop geographic information system analysis and limited ground truthing. Jones Edmunds will create a map depicting the limits of jurisdictional wetlands and surface waters. If needed, we will prepare a draft and final Technical Memorandum in .pdf format that provides associated maps depicting the location of jurisdictional wetlands and conceptual mitigation costs.

Subsurface Utility Engineering (SUE): Jones Edmunds has Culpepper & Terpening (C&T) as a subconsultant to perform subsurface utilities evaluation to locate underground utilities (piping, valves, electrical, I&C duct banks, etc.). Buried underground utilities will be recorded to include depth, pipe diameter or duct bank size, and material. C&T will provide coordinates to locate buried utilities and coordinate with CCU staff to install marker balls at determined locations to allow CCU to easily locate buried infrastructure. They will prepare a table summarizing the buried infrastructure type, material, depth, coordinates, and marker ball ID number.

Capacity, Regulatory, Electrical/I&C Assessment: In conjunction with our electrical subconsultant EMI, Jones Edmunds will assess the capacity of the components of the existing LSs, including mechanical and electrical equipment, structures, control systems, and buildings, for current and future operating conditions to provide optimal use of assets to the LS replacements. Of particular importance will be accessing the power supply for LS 1, which is currently single-phase, 240 volt, as noted in the table below. Discussions will be held with CCU staff on the need or desire to upgrade the power supply to three-phase and the potential cost implications.

LS 1 Inspection Summary

Station Info	Wetwell	Cross-Section Type	Manhole
		Diameter	6 ft
		Discharge FM Diameter	4 in
		Depth	N/A
		Valve Assembly	None
		Odor Control	None
	Pump	Quantity	1
		Manufacturer	Flygt
		Model	NP 3085
		Impeller	465
		Horsepower	3
		Operating Point	312 gpm @ 16 ft TDH
Electrical Info	Telemetry/SCADA	SCADA Telemetry Type	N/A
		Surge Protector Present?	N/A
		Backup Battery Present?	N/A
	Generator	Standby or Portable?	Portable
		Power Ratings	N/A
		Fuel Capacity	N/A
	System Supply	Voltage	240
		Phase	1
		Surge Protector Present?	No
		Backup Battery Present?	Yes (for alarm)

Updated Hydraulic Modeling

Jones Edmunds will use the County's hydraulic models to evaluate the current and future design capacities required for each LS. This evaluation will be completed based on data from the 2024 Sewer Master Plan and updated information associated with ongoing sewer modeling efforts. Current, interim (10-15 year), and build-out design flows will be assessed and incorporated into the design for each LS replacement.

Preliminary Engineering Report

Following completion of the Field Investigation work, Jones Edmunds will prepare a Preliminary Engineering Report (PER) to detail the design for the LS replacements. The PER will document the design criteria for the LSs and detail mechanical and electrical equipment selections, including pumps, controls, odor control measures, and standby power generators. The PER format will include an Executive Summary with Recommendations and an Implementation Plan. A 30% design drawing set will be provided with the PER for the LS replacements.

The PER and 30% design drawings will be submitted to CCU for review and comments. Jones Edmunds will conduct a review meeting with CCU to receive comments on the PER and the 30% design drawings.

Design, Permitting, and Construction Phase Services

Jones Edmunds will complete design, permitting, and construction phase services for each LS project on an as-needed basis. We have included the following engineering expertise and services available to support CCUD staff for this project:

- Planning, Hydraulic Modeling, and Preliminary Engineering Support.
- Mechanical, Electrical, Instrumentation, and Control.
- Structural.
- Mechanical, HVAC/Plumbing, and Civil.
- Environmental Services.
- Technical Writing, CAD, and GIS Services to Update O&M Manuals, Standard Details, and related documents necessary for CCUD operations, maintenance, and management.
- Other Supplemental Services as needed, including but not limited to Construction Administration, Permitting, Regulatory, and Funding Assistance.

Project Permitting

The Jones Edmunds team will coordinate with CCU staff to pursue and obtain the necessary permits for each LS replacement. This is anticipated to potentially include FDEP, FDOT, and Charlotte County permitting. We will also file for special exemptions for each LS replacement from the Charlotte County Board of Zoning and Appeals.

Develop Contract Bid Documents, Technical Specifications, and Final Design Drawings

Final designs for each LS will be developed based on CCU standards for lift stations, including SCADA, generators where required, and odor control. Final elevations for the LS replacements will be set above the 100-year flood elevations. Bid documents and technical specifications will be developed using the 2011 CCUD Compliance Standards and the 2024 CCUD SCADA Standards. Design for each LS replacement will incorporate landscaping, buffer walls, and fencing to provide both site security and visual buffering for adjacent properties.

Bid Phase Assistance

Jones Edmunds will assist the County Purchasing Department with bidding for the LS replacement projects. This will include attending Pre-Bid Conferences, addressing bidder questions through project addenda, reviewing bids, and making recommendations for award.

Construction Phase Assistance

If requested by CCU, we will provide construction administration and resident observation services for each LS replacement.

O&M Manuals and LS Start-Up Assistance

A detailed O&M manual for each replaced LS will be prepared in conjunction with CCU operations staff. We will use the O&M in our efforts associated with the initial start-up of each replaced LS. Also, recognizing that the County uses Cityworks for its overall asset management, we will develop detailed lists of the assets that are installed as part of each LS replacement. This can turn the O&M manuals being created into actionable items by updating their GIS and turning the maintenance plans into scheduled PM Work Orders in Cityworks for the County's Lift Station Maintenance Division.

Anticipated Challenges and Solutions

Based on our experience in Florida's municipal utilities sector, we anticipate several unique challenges in this project: limited site access at legacy lift station sites, aging infrastructure with nonconformance to current FDEP standards, coordination with ongoing planning efforts, and navigating complex regulatory and permitting landscapes. Addressing each obstacle with focused solutions is central to our technical methodology:

- Site Access Limitations:** At least two of the five LS replacements present design challenges due to the limited available space at the existing sites. CCU has proposed that LS#1 and LS#7 be replaced at their existing sites. As depicted in the images below from the County GIS maps, the existing sites for LS#1 and LS#7 are restrictive, and replacement layouts will require careful consideration. This is especially relevant for LS#7, which CCU has acknowledged has an undersized easement hindering access and placement of the required stationary generator. These limitations hinder equipment access and complicate maintenance.



Our solution begins with diligent site analysis and selection, aiming for relocation to County-owned properties where feasible. We document vehicular access requirements, propose site layouts supporting routine and emergency maintenance, and design permanent driveways or improved access easements to facilitate future O&M activities. In the particular case of LS#7, we will coordinate closely with CCU staff to evaluate the potential use of the open area south of the gas station and adjacent to the canal as a possible site for the LS relocation. Where relocation is not possible, we integrate compact, modular station configurations and conversion of obsolete below-ground structures (such as converting wet wells to manholes) to maximize available space.

- Maintenance of Lift Station Operations During Construction:** LS#1 and LS#7 replacements are proposed to be completed at their existing locations, so maintenance of station operations will be critical. This requires a well-thought-out and designed bypass pumping plan to be developed. Such plans need to include provisions for dealing with flows entering the station from other lift stations, which is the case for LS#7. Developing bypass pumping plans during design minimizes issues that can be encountered during construction.
- Potential Problem: Construction in Proximity to Existing Residences/Businesses:** All five LSs are located adjacent to existing residences and businesses, and the LS replacements will impact these properties to varying degrees. Therefore, it will be essential to conduct public outreach efforts with the impacted property owners early in the design process to address their concerns. These efforts will be aimed at providing the property owners with assurances that measures will be incorporated into the designs to minimize the impacts on them during construction. In addition, LS replacement designs will be undertaken to provide a maximum separation of LS components, especially generators, from adjacent residences/businesses.

- Construction under Power lines and Adjacent to Power Poles:** The majority of the LSs to be replaced are located adjacent to power poles and/or under overhead power lines. Special considerations in design will be made, including provisions to coordinate with the power company to provide temporary support for poles during construction. Additionally, siting locations for the replacement LS structures will emphasize the avoidance of the overhead power lines to maximize accessibility for construction equipment.



- LS Designs Are Not Adaptable to Changes in Growth:** The Jones Edmunds team has unequalled knowledge of the County 2024 Sewer Master Plan, the County's SewerGEMS model, and ongoing sewer system modeling efforts. This provides us with the ability to work closely with County staff to establish current and future flow needs for each LS to be replaced. Our designs will incorporate, where appropriate, allowance for additional pumps within the wet wells and pump selections that provide maximum flexibility to replace pump impellers to modify pump capacities in response to changes in influent flows to the LSs.
- Regulatory Compliance and Permitting:** Achieving timely permitting and compliance with FDEP (including Rule 62-604.400), FDOT, and local zoning requirements demands early agency coordination and precise documentation. Our team leverages long-standing relationships with permitting authorities and proven strategies such as pre-application meetings and tailored submittals that articulate design intent and operational need. We advocate for permit conditions that reflect site constraints while upholding regulatory objectives, developing transparent communication channels to resolve potential delays rapidly during review. Our in-house permitting specialists collaborate directly with design and project management, maintaining agility to respond to changing regulatory requirements or stakeholder feedback.

- Aging Infrastructure Retrofit and System Modernization:** Existing stations constructed decades ago often feature outdated pump configurations and control systems and a lack of stationary generators. We address obsolescence with carefully designed replacements, specifying modern duplex or triplex submersible pump systems, integrating odor control, and incorporating backup power where regulation requires. Existing hydraulic constraints and upstream/downstream interdependencies are resolved through comprehensive modeling, allowing us to right-size station components for projected peak and future flows.



- Master Planning Integration:** For master lift stations such as LS#816, we coordinate closely with the County's modeling and planning teams, updating hydraulic analyses to align system capacities and prevent future overflows. This collaboration provides a data-driven foundation for specifying pump capacities, sizing wet wells, and staging capacity expansions.
- Construction Administration and Startup Support:** Past issues with construction quality and project closeout guide our approach to construction phase services. We dedicate experienced resident observers and construction administrators who provide ongoing coordination between contractors, suppliers, and County staff; verify specification adherence; and support staff training for smooth transitions to operations.
- Operational Documentation:** To address historical gaps in maintenance knowledge transfer, every new lift station is supported by comprehensive, facility-specific O&M manuals, developed in direct consultation with County maintenance staff for usability.

Energy-Efficient Systems and SCADA Applications

Observing and documenting operational efficiency and sustainability is a core design directive for all lift station projects. We strategically integrate energy-efficient pump systems, variable-frequency drives (VFDs), modernized electrical controls, and premium efficiency motors throughout each lift station design. Our teams assess each site's hydraulic profile to specify pumps operating optimally for both base and peak flow conditions. By standardizing duplex or triplex pump configurations and implementing VFDs, we lower energy consumption, reduce equipment wear, and promote resilience against pump failures or emergencies.

Odor control and backup power are additional system elements designed to meet current best practices and regulatory requirements. We integrate odor-control systems with low-head-loss venting, carbon filtration, or chemical feed modules to protect surrounding communities where necessary. The selection and siting of stationary generators comply fully with FDEP mandates and are supported by sound site-specific utility power analyses.

An integrated, County-standard Supervisory Control and Data Acquisition (SCADA) platform is essential for ongoing operational reliability, security, and efficiency. All new lift stations are designed to interface seamlessly with Charlotte County Utilities' SCADA Master Plan, observing and documenting standardized protocols, remote monitoring capabilities, comprehensive alarm reporting, and automated data logging. This connectivity gives County operators real-time visibility into system status, supporting predictive maintenance, rapid response to abnormal conditions, and robust asset management practices.

Beyond standard telemetry, our SCADA designs encompass expandability for future County-wide network upgrades, making advanced features such as remote diagnostics, automated response logic, and enrollment into County emergency notification and disaster resilience frameworks possible. The result is an infrastructure layer that provides day-to-day operational reliability and aligns with County goals for innovative utility management and future-ready resilience.

Innovative Approaches and Technical Expertise

Our design team draws on a deep portfolio of experience and industry innovation in wastewater lift station planning and delivery. Our holistic methodology incorporates the following:

- **Advanced Hydraulic Modeling:** We employ advanced modeling tools to simulate real-world system responses, validate future capacity, inform upstream and downstream impacts, and optimize system integration. This modeling spans gravity mains, force mains, wet wells, and system-wide peak event scenarios.
- **Infrastructure Hardening and Resilience:** To protect critical infrastructure against storm events, flooding, and sea-level rise, we embed physical hardening strategies into each site. These measures include raised electrical controls, flood-resistant foundations, and corrosion-resistant materials for piping, guide rails, and access hatches. Site grading and drainage design direct stormwater away from critical station components.
- **Power Outage Alternatives:** Design of facilities to provide continued operations of lift stations during power outages typically relies on using standby power generators. During our lift station designs, we work with clients to evaluate the feasibility of using standby diesel-driven backup pumps as an alternative to a traditional generator. Such backup pumping systems are often more economical than generators while providing an equivalent level of protection for station operations during power outages.
- **Sustainable Site Selection and Low-Impact Design:** Our site selection process prioritizes avoiding environmentally sensitive areas, implementing pervious surfaces where possible, and preserving surrounding landscapes. Landscape design balances regulatory buffer requirements with neighborhood aesthetics and ease of access. We also incorporate green infrastructure elements such as bioswales, rain gardens, and native plantings to manage on-site stormwater, reduce heat island effects, and provide pollinator habitats.

- **Construction-Phase Cost Control and Value Engineering:** Through detailed constructability reviews, cost development, and value engineering workshops, we identify opportunities to optimize system layouts, material selection, and construction phasing, routinely delivering projects within budget and schedule constraints. Our commitment to lifecycle cost analysis provides Charlotte County projects with sustainable solutions that minimize long-term O&M expenses while maximizing return on investment.
- **Client-Centered Project Management:** Our protocols prioritize open client collaboration, transparency, and responsiveness. Every phase is guided by tailored Project Plans that document scope, milestones, team roles, and quality protocols. We hold regular progress meetings, update schedules and resource allocations dynamically, and apply biweekly workload reviews to keep all deliverables on track, despite shifting priorities or unforeseen challenges.
- **Multilevel Quality Assurance/Quality Control:** Prior to submittal to the County, all deliverables are subject to three levels of review—self-check, peer review by licensed professionals, and senior QA/QC manager oversight. This structure documents accountability and high-quality results throughout design and construction, providing confidence in project delivery.
- **Innovative Communication and Stakeholder Engagement:** We leverage digital collaboration platforms for real-time information sharing, status updates, and issue resolution. Our construction administration team establishes clear lines of communication, both with County stakeholders and contractors, including in-person coordination, timely progress meetings, and immediate field response to emergent conditions.

SUSTAINABILITY AND FUTURE-READINESS

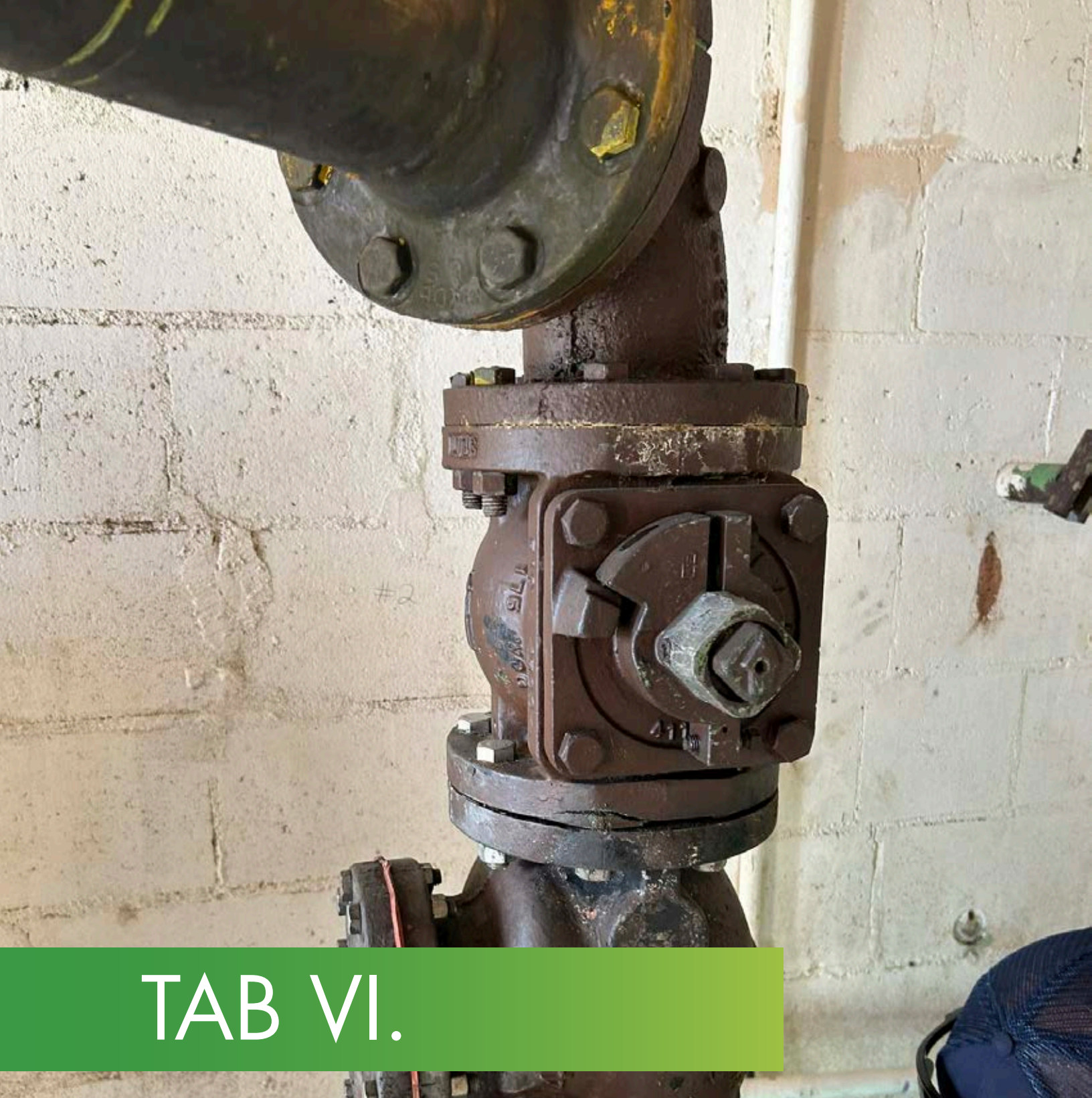
We are passionate about advancing resilient infrastructure and environmental sustainability. On every project, we actively consider the long-term impacts of material choices, site development, and system operations. Our LEED AP and Envision Sustainability Professional-certified staff apply rigorous assessment tools in the planning phase to set ambitious, achievable goals for resource efficiency, habitat preservation, and community benefit.

We promote the application of the Envision Sustainability Rating System on major capital projects, guiding County infrastructure toward industry-leading benchmarks for climate resilience, resource stewardship, and social value. This holistic approach enables Charlotte County to document third-party recognized achievements and share success with stakeholders and the public.

Our experience with Florida’s climate adaptation and low-impact development best practices, including developing the state’s first LID Manual recognized in the permitting process, uniquely positions us to elevate the sustainability of the County’s utility portfolio.

CONCLUSION

Our approach to replacing Charlotte County’s wastewater lift stations integrates technical excellence, forward-looking innovation, and diligent partnership with the County. By delivering robust engineering solutions tailored to the County’s unique infrastructure and operational and regulatory context, we provide a pathway for reliable, efficient, and sustainable utility services well into the future. We are committed to supporting Charlotte County through every step of this endeavor, producing project outcomes that stand as a model for effective public utility infrastructure.



TAB VI.

EXAMPLES OF RECENTLY ACCOMPLISHED SIMILAR
PROJECTS

Recently Accomplished Projects

Our lift station project highlights begin with examples that demonstrate our ability to maintain strict schedule control, manage costs effectively, and overcome challenges to deliver successful outcomes.

SCHEDULE CONTROL

Jones Edmunds is keenly aware of the need to maintain project schedules. Each project presents unique schedule challenges, and a consultant needs to be able to adapt quickly to changing project needs. The following project description provides a typical example of how Jones Edmunds incorporates schedule control measures into our utility design projects.

City of Winter Haven | Reclaimed Water Pipeline and Master Force Main Design and Permitting **Gary Hubbard, PE | 863.298.5470 | ghubbard@mywinterhaven.com**

Project Background

The City of Winter Haven is upgrading infrastructure to support projected population and economic growth. The project aims to improve utility system reliability and service for current and future customers. It has evolved over several years, shaped by stakeholder input and major developments such as Harmony on Lake Eloise and the Chain O' Lakes Complex expansion.

In 2014, Jones Edmunds completed a Route Evaluation Report (RER) for the RCM pipeline and force main replacement. Afterward, a private developer acquired 350 acres for Harmony on Lake Eloise, coordinating with the City to establish a utility easement for a reclaimed water pipeline, force main, and fiber optic conduit.

Funding included a SWFWMD cooperative grant for the RCW portion. The grant specified that the project would consist of two phases: WWTP No. 3 to Croton Road and Croton Road to Chain O'Lakes Complex. A low-interest State Revolving Fund (SRF) loan provided additional funding. Jones Edmunds managed all compliance, including Davis-Bacon wage requirements and SWFWMD reporting.

The project included 23,000 linear feet of 24-inch reclaimed water interconnect pipeline for each phase. Construction involved open-cut trenching, horizontal directional drilling, including under waterways, roads, wetlands, and jacking and boring under a CSX Railroad.

Schedule Control

The project is almost complete and needs to be completed under an expedited timeline to comply with the constraints of the cooperative funding agreement. Since the two pipelines needed to begin and end at approximately the same locations, designing and constructing them as one project was determined to be the most efficient approach. However, since multiple funding sources were involved, the costs had to be separated for the two pipelines, and the project schedule needed to be agreed upon as part of the funding agreements. The scheduling had to be carefully coordinated to meet the funding agreement project timelines without resulting in additional costs to the project.

Due to our previous work with the City on all key elements, our team was able to begin working immediately to identify project alternatives that helped reduce costs and save time. This included:

- Providing a holistic project understanding to address community needs and related City projects.
- Early coordination with agencies to maximize funding.
- Finalizing the force main route and developing design solutions that met the City's goals on time.
- Proactively addressing environmental issues to expedite permitting.
- Developing a "fast-track" or early release design package.
- Using proven construction administration processes to streamline project implementation.



COST CONTROL

Controlling costs is essential in today's volatile construction marketplace. The following project descriptions are typical examples of how Jones Edmunds works with Owners and contractors to achieve design and construction cost control on lift station projects.

City of Winter Haven | Master Lift Station Replacement

Jones Edmunds provided design, permitting, bidding, and construction-phase engineering services for the Master Lift Station. This Master Lift Station is a complete replacement of the existing lift station. Construction was completed in June 2018. Construction services included submittal review, responding to Contractor requests for information, progress meetings, site visits to resolve issues, technical support to the City, pay application reviews, and related support services. In addition, we provided resident observation services to document that the Master Lift Station was constructed following the Contract Documents and that the City's interests are protected. Jones Edmunds also led a Value Engineering review with the Contractor and City personnel to reduce the construction costs by almost \$900,000, including owner procurement of equipment and sole source pricing initiatives.



Volusia County | Deltona North Pump Station and Force Main

Erin Reed PhD, PE | 386.804.4561 | erinreed@volusia.org

Jones Edmunds provided design, permitting, and construction administration for a master lift station and 12-inch force main, allowing Deltona North wastewater to be treated at the County's Southwest Regional AWT Facility instead of upgrading the old WWTP. The project used a Contract Manager at Risk procurement method. Jones Edmunds advanced the design to the 60% stage, where we assisted the County with the preparation of an RFQ for selecting a Contractor. We then finalized design and equipment with the contractor. At 100% design, the contractor submitted a Guaranteed Maximum Price (GMP) for County approval, providing cost control. The project supports nutrient reduction and Blue Spring TMDL compliance by redirecting flows and replacing outdated infrastructure. Coordination included City, County, FDOT, and a directional drill under I-4.



CONSTRUCTION PROBLEMS AND MEANS TAKEN TO SOLVE THEM

The Jones Edmunds construction team is known for its ability to quickly assess and respond to problems that arise during construction. Cooperatively working with Owners and contractors to determine the best means to address issues is critical. The following project description is an example of this type of cooperative approach.

City of Bradenton | Lift Station No. 11 Replacement

Kim Clayback, PE | 941.708.6304 | kim.clayback@cityofbradenton.com

During excavation for the new lift station wet well, the contractor uncovered soil conditions at the base of the excavation that differed significantly from what was found with the single boring conducted during the design phase. Specifically, the geotechnical report indicated that rock was expected to be encountered at depths below 25 feet. Still, the excavation encountered the rock in a portion of the excavation at 17 feet, resulting in a proposed Change Order from the contractor.

In lieu of approving the Change Order, Jones Edmunds coordinated with the City to develop a fast-track design for relocating the wet well to a position within the existing excavation so the rock could be avoided entirely. The redesign included:

- Modifying the location of the LS-11 wet well to increase its distance from the uncovered rock within the existing excavation.
- Modifying the arrangement of the lift station discharge piping, flow meter, and emergency pump out connection to accommodate the updated wet well location.
- Rotating the orientation of the backup generator 90 degrees.
- Revising the odor control piping from the wet well to the odor control unit to be below grade.
- Modifying the Contract Documents to state that the City will provide emergency power during the project.



These efforts allowed the wet well to be set without additional excavation and reduced the overall value of the required Change Order by approximately 75 percent.

The following pages present additional examples of similar projects that Jones Edmunds has completed for several long-term clients across Florida, along with client reference contact information.

CHARLOTTE COUNTY

Contact:

Bruce Bullert, PE
941.764.4509
bruce.bullert@charlottecountyfl.gov

Relevant Services:

- ✓ Preliminary Design
- ✓ Final Design
- ✓ Bidding and Construction Phase Services
- ✓ FDOT, FDEP, and Other Environmental Permits
- ✓ Grant Funding Support
- ✓ Stakeholder Coordination
- ✓ Demolition of Old Facilities
- ✓ Site Relocation, Land Acquisition, and Zoning
- ✓ Site Fencing and Landscaping
- ✓ Flood Protection
- ✓ Startup Assistance
- ✓ LS O&M Manuals

Jones Edmunds has been serving Charlotte County under a continuing services contract since 2005. We developed their Septic to Sewer Master Plan, and their County-wide sewer, water, and reclaimed water hydraulic models to evaluate improvements to address growth and aging infrastructure and allow the County to implement capital improvement programs for sewer, reclaimed water, and water programs.

Deep Creek Force Main and Lift Station 321: Jones Edmunds conducted a detailed hydraulic evaluation of eight different routing alternatives for the new Deep Creek force main. As part of this evaluation, consideration was given to the impact of each alternative on the operations of existing Lift Station #321. A key component of the recommended FM route was that it required no pump upgrades for LS #321. Jones Edmunds prepared design drawings and specifications for the new FM. And in connection to the separate Lift Station 321 project, this project included hydraulic modeling, force main design, and permitting.

East Side Lift Station 321: Jones Edmunds evaluated the impact of the County's long-range strategies, including those that address future capacity needs in the Central County Service Area. These include the newly constructed gravity interceptor and grand master lift station with a planned equalization basin to pump to the East Port WRF.

LS 815 Mechanical, Structural, and Geotechnical Evaluations: Jones Edmunds performed structural engineering and geotechnical evaluation of Lift Station (LS) 815 to assess the structure and foundation of this existing LS and the surrounding soil conditions and to obtain recommendations for replacement or rehabilitation of the LS. CCUD's desired approach was to reuse and update LS 815 as determined feasible by this evaluation. The Scope of Services included an initial kick-off meeting and site visit, geotechnical exploration, structural assessment, and final recommendations for rehabilitating the existing LS by installing new pumps and a PVC liner in the wet well, bringing the discharge valve assembly above grade, and relocating the electrical panel.

Regional Transmission System (RTS) Interceptor and Grand Master Lift Station Impacts on

Connected Lift Stations: Jones Edmunds evaluated and designed improvements for lift stations impacted by the interceptor and new grand master lift station and impacts on connected lift stations, recommendations for improvements, and provided final design drawings and bid documents including structural, electrical, and a new emergency generator and construction services for proposed improvements.

Hydraulic Wastewater Force Main and Lift Station Modeling:

Jones Edmunds performed evaluations and bid package assistance for upgrades to improve wastewater force main and lift stations in the Mid-County area.

Post-Hurricane Lift Station Assessments: Jones Edmunds conducted post-hurricane condition assessments for multiple lift stations to evaluate damage and functionality and prioritize repairs for system resiliency.



VOLUSIA COUNTY

Contact:

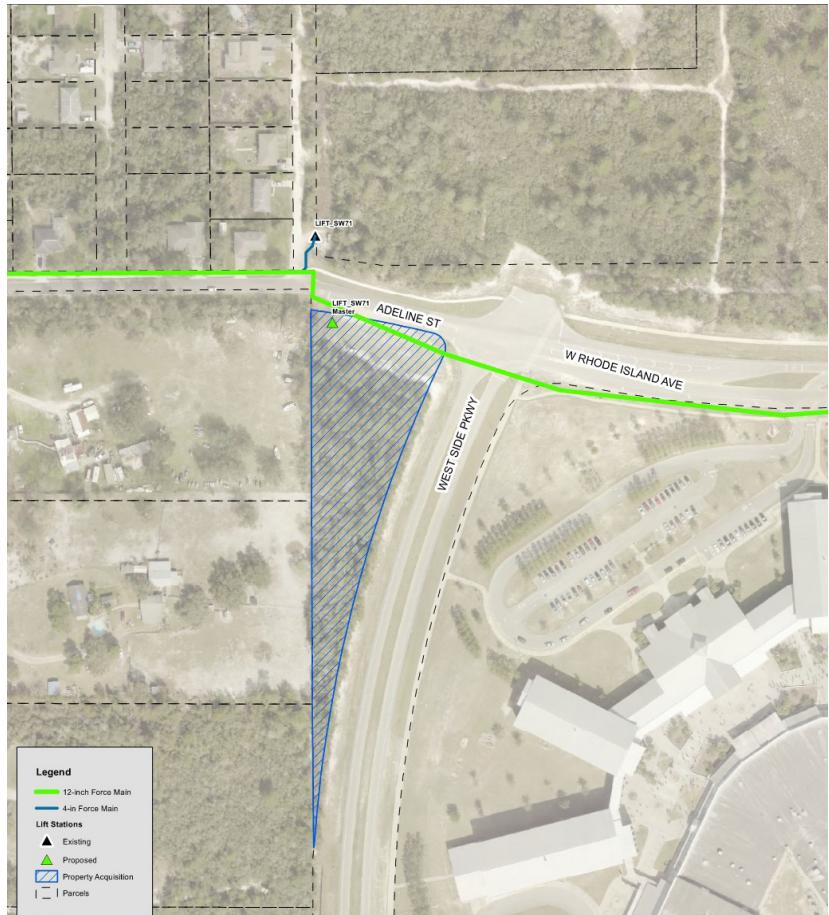
Erin Reed, PhD, PE
386.804.4561
erinreed@volusia.org

Relevant Services:

- ✓ Preliminary Design
- ✓ Final Design
- ✓ Bidding and Construction Phase Services
- ✓ FDOT, FDEP, and Other Environmental Permits
- ✓ Grant Funding Support
- ✓ Stakeholder Coordination
- ✓ Demolition of Old Facilities
- ✓ Site Relocation, Land Acquisition, and Zoning
- ✓ Site Fencing and Landscaping
- ✓ Flood Protection
- ✓ Startup Assistance
- ✓ LS O&M Manuals

Jones Edmunds has been serving Volusia County under continuing services contracts since 2007. We have provided Utilities Design, Planning, Permitting, GIS, Stormwater/Drainage Design, Water Resources, and Water Supply services under the continuing contract or individual solicitations.

Lift Station 71 Master Repump Station Design: We delivered design, permitting, and construction services for a new master repump station (LS-71) in Volusia County. This facility was designed to receive flow from the Deltona North WWTF and alleviate capacity and pressure issues in multiple existing manifolded lift stations in Orange City. Our team addressed the hydraulic challenges of the interconnected lift station system, providing a solution that improved operational reliability and system performance. The project included comprehensive engineering design, permitting, and construction oversight, ensuring the new station met current and future flow demands while supporting the County's long-term infrastructure goals.



Contact:

Kim Clayback, PE
941.708.6304
kim.clayback@bradentonFL.gov

Relevant Services:

- ✓ Preliminary Design
- ✓ Final Design
- ✓ Bidding and Construction Phase Services
- ✓ FDOT, FDEP, and Other Environmental Permits
- ✓ Grant Funding Support
- ✓ Stakeholder Coordination
- ✓ Demolition of Old Facilities
- ✓ Site Relocation, Land Acquisition, and Zoning
- ✓ Site Fencing and Landscaping
- ✓ Flood Protection
- ✓ Startup Assistance

serves Blake Memorial Hospital, and it was critical to their operations that pumping operations were not interrupted. We designed backup pumping to maintain hospital sewer flows during construction. The project addressed pitting in the wet well caused by hydrogen sulfide and included new HDPE piping, valves, and stainless steel guide rails. The pumps were retained, but the new control panel allows power shutoff without entering the hospital. The electrical service was integrated with the hospital's emergency generator. Our work included structural design, permitting, final design, and SRF funding assistance, providing a robust and reliable lift station for critical service areas.

Eastside Wastewater Transmission System

Improvements, Final Design Services: Jones Edmunds provided preliminary design, field data collection, final design, permitting, bidding, and awards services, and construction administration for improvements to two lift stations serving the east side of the City of Bradenton and their associated force mains and gravity interceptors. These improvements included expanding Lift Station No. 18 from 2,000 gpm to 8,520 gpm and Lift Station No. 24 from 1,220 gpm to 5,000 gpm. This project also included constructing new force mains totaling 8,345 LF of 18-inch, 3,065 LF of 20-inch, 1,745 LF of 24-inch, and 3,880 LF of 30-inch pipe and constructing 3,690 LF of 30-inch gravity interceptor.

Lift Stations No. 6, 7, 19, 20, 21, and 41 Improvements: Jones Edmunds was responsible for preparing preliminary design, collecting field data, obtaining permitting, overseeing bidding and award services, and providing professional services during construction for improvements to six sewage lift stations. Our design converted two factory-built "can" lift stations to submersible lift stations by installing fiberglass reinforced plastic liner or alternative liner in the existing wetwells, installing new submersible pumps in the wetwell, and demolishing the existing drywells. The project demolished one factory-built "can" lift station and replaced it with a new submersible lift station with variable frequency drives (VFDs) plus a stand-by generator. We also converted two wetwell/drywell lift stations to submersible lift stations, one of which includes VFDs and a stand-by generator. Finally, a stand-by generator and approximately 1,240 linear feet of new 8-inch PVC force main were installed at one remote lift station.

CITY OF BRADENTON

Jones Edmunds has been serving the City of Bradenton under a continuing services contract since 1948 (through our acquisition of Smith and Gillespie in 1994).

Master Lift Station 18 and Lift Station 24: These lift stations were built on the locations of the existing stations and required the development of a detailed bypass pumping plan. The new submersible Master Lift Station 18 included two separate wet wells, each equipped as a duplex pumping station, and a standby power generator. The new submersible Lift Station 24 included a triplex pumping station, a standby power generator, and an odor control system. Both lift station sites were located on State Highways and required permitting and close coordination with FDOT. Jones Edmunds provided professional services during construction, including assistance with SRF reporting.

Lift Station 31: For the rehabilitation of Lift Station 31, we prepared construction drawings and specifications to replace internal piping and hardware, apply a protective coating to the interior concrete wet well, and install a new pump control panel. The lift station primarily



CITY OF LEESBURG

Contact:

Cliff Kelsey
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cliff.kelsey@leesburgflorida.gov

Relevant Services:

- ✓ Preliminary Design
- ✓ Final Design
- ✓ Bidding and Construction Phase Services
- ✓ FDOT, FDEP, and Other Environmental Permits
- ✓ Grant Funding Support
- ✓ Stakeholder Coordination
- ✓ Demolition of Old Facilities
- ✓ Site Relocation, Land Acquisition, and Zoning
- ✓ Site Fencing and Landscaping
- ✓ Flood Protection
- ✓ Startup Assistance
- ✓ LS O&M Manuals

Jones Edmunds has been serving the City of Leesburg under a continuing services contract since 2005. Under this contract, we have provided Utilities, Water Resources, Civil Design, Solid Waste, Hydrogeology, GIS/Ecology, Environmental, and Construction Administration services.

Lift Station 72 Upgrades: We upgraded Lift Station 72 to deliver a pumping capacity capable of handling future flows without overwhelming the 12-inch discharge force main. Our design included sizing a new wet well, providing aboveground piping, selecting pumps with the necessary capacity, and installing odor-control devices and a generator.

Bypass Force Main Project: As part of our continuing services contract, we provided professional design services for the Bypass Force Main project. This included engineering design, utility design, cost estimating, right-of-way acquisition, and construction management. The project involved installing at least 18,000 linear feet of 20-inch wastewater force main, connecting to an existing 24-inch ductile iron sanitary force main, and included permitting and support for related lift station infrastructure.



Contact:

Kayle Moore, PE
904.247.6213
kmoore@jaxbchfl.net

Relevant Services:

- ✓ Preliminary Design
- ✓ Final Design
- ✓ Bidding and Construction Phase Services
- ✓ FDOT, FDEP, and Other Environmental Permits
- ✓ Grant Funding Support
- ✓ Stakeholder Coordination
- ✓ Demolition of Old Facilities
- ✓ Site Relocation, Land Acquisition, and Zoning
- ✓ Site Fencing and Landscaping
- ✓ Flood Protection
- ✓ Startup Assistance
- ✓ LS O&M Manuals

CITY OF JACKSONVILLE BEACH

Jones Edmunds has provided continuing services to the City of Jacksonville Beach since 2006 and has been working with the City since 1972.

Sewer Lift Station No. 8 Replacement: We managed the complete replacement of Sewer Lift Station No. 8, beginning with the demolition and removal of the existing facility. Our design included a new precast concrete wet well, selection and installation of modern submersible pumps, and upgraded electrical and instrumentation systems to enhance operational reliability. The project also featured the installation of a standby generator to provide uninterrupted service during power outages, approximately 800 linear feet of new 6-inch force main, and associated sewer and stormwater improvements. Our methodology supports improved system performance reduced maintenance needs, and long-term service reliability for the community.

Lift Station #7 Relocation Phase I: We provided comprehensive design services for the replacement and relocation of Lift Station #7. This project included the abandonment of two aging lift stations, the design of a new

force main, and a new gravity sewer system to optimize wastewater collection. Our team performed detailed hydraulic, electrical, and civil engineering design to improve system reliability, efficiency, and capacity. By consolidating and modernizing the lift station infrastructure, we provided operational cost savings and enhanced service for the utility and its customers.

Central, South Basin Drainage**Improvements Pump Station Upgrades:**

We delivered engineering services for critical infrastructure improvements in the Central and South Basin areas, focusing on pump station upgrades to support stormwater management and flood risk reduction. Our work involved replacing above-ground pumps with submersible units for increased efficiency and resilience, extending wet wells to accommodate higher flows, and upgrading sensor and electrical systems for improved monitoring and control. We also incorporated security enhancements to protect critical assets. These improvements provide more effective stormwater management, reduce the risk of flooding, and support the community's long-term resiliency goals.



Contact:

John Bostic, III
813.780.0008
jbostic@ci.zephyrhills.fl.us

Relevant Services:

- ✓ Preliminary Design
- ✓ Final Design
- ✓ Bidding and Construction Phase Services
- ✓ FDOT, FDEP, and Other Environmental Permits
- ✓ Grant Funding Support
- ✓ Stakeholder Coordination
- ✓ Demolition of Old Facilities
- ✓ Site Relocation, Land Acquisition, and Zoning
- ✓ Site Fencing and Landscaping
- ✓ Flood Protection
- ✓ Startup Assistance
- ✓ LS O&M Manuals

CITY OF ZEPHYRHILLS

Jones Edmunds has been serving the City of Zephyrhills under continuing services contracts since 2013. We have provided Utilities and Water Supply services for projects such as a Utility Rate Study, Lift Stations, Force Mains, Well Rehabilitation, Upgrades to the WWTP, Water and Wastewater Master Plans, Environmental Monitoring Plans, and Reclaimed and Water Main Extensions. We have also provided SRF assistance for the City's water and wastewater projects.

Utilities Continuing Services: We have provided preliminary engineering and Construction Engineering Inspection (CEI) services for a new master pumping station and force main as part of ongoing utility improvements under our Utilities Continuing Services contracts. Our work included a comprehensive preliminary engineering investigation to determine the optimal location and routing for the master pumping station and force main, taking into account hydraulic analysis, system capacity, and future growth needs. We developed recommendations for the lift station location and force main alignment, coordinated with regulatory agencies for permitting, and identified funding alternatives to support project implementation.

Once the project advanced to construction, our team delivered CEI services to observe and document that construction activities were performed in accordance with contract documents, technical specifications, and regulatory requirements. Our methodology supports quality assurance, safety, and schedule adherence throughout the construction phase. We provided regular progress meetings, reviewed contractor submittals, responded to requests for information, and maintained detailed daily observation reports. Our team also facilitated coordination among the client, contractors, and stakeholders to address any field issues promptly and keep the project on track.

These services are part of our broader commitment to supporting our clients' utility infrastructure upgrades, including water and wastewater system improvements, well rehabilitation, reclaimed and water main extensions, and master planning. Our approach provides reliable, cost-effective solutions that enhance system performance and support long-term community needs.



Contact:

Andrew Roberts
352.393.1639
robertsas@gru.com

Relevant Services:

- ✓ Preliminary Design
- ✓ Final Design
- ✓ Bidding and Construction Phase Services
- ✓ FDOT, FDEP, and Other Environmental Permits
- ✓ Grant Funding Support
- ✓ Stakeholder Coordination
- ✓ Demolition of Old Facilities
- ✓ Site Relocation, Land Acquisition, and Zoning
- ✓ Site Fencing and Landscaping
- ✓ Flood Protection
- ✓ Startup Assistance
- ✓ LS O&M Manuals

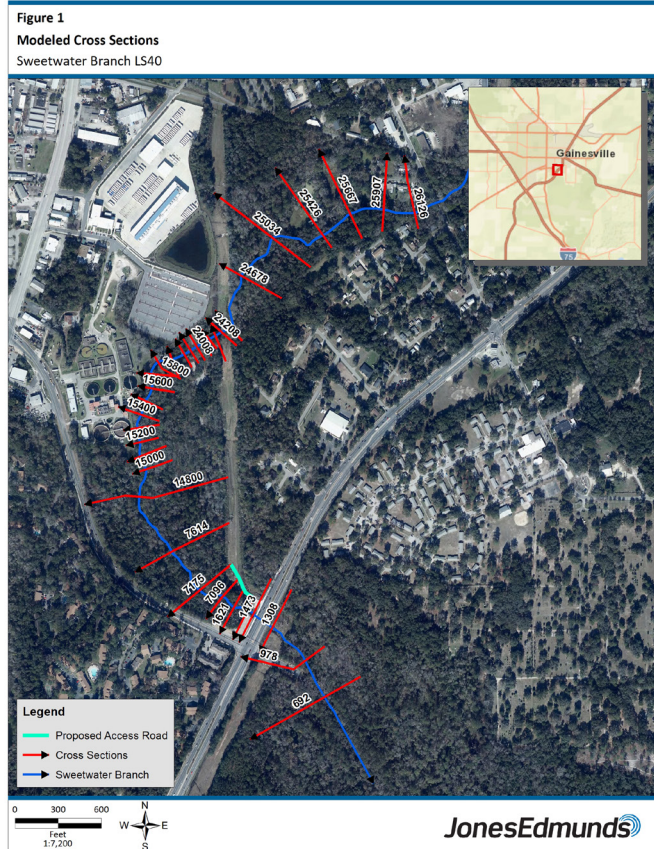
GAINESVILLE REGIONAL UTILITIES (GRU)

Jones Edmunds has been serving GRU under continuing services contracts since 1995. We have provided Utilities, Water Supply, GIS and Asset Management, Ecology, Environmental, and Construction Phase Services.

Lift Station No. 1 Replacement: We designed the replacement of Lift Station No. 1 for GRU, providing a full suite of engineering services to support the project's successful delivery. Our team reviewed GRU's civil and mechanical design documents, offering detailed comments to optimize constructability and operational performance. We completed the electrical design drawings and developed technical specification sections for the construction contract documents. Our methodology supports seamless completion of contract documents and high-quality technical work, which provided minimal construction conflicts and start-up issues. This approach resulted in a reliable, modern lift station that meets current and future service demands for the utility and its customers.

Lift Station 40 and Multiuse Trail CLOMR/

LOMR: We delivered accessibility upgrades to Lift Station 40 in conjunction with the development of a new multiuse trail along Sweetwater Branch within a GRU powerline easement. The project required elevating the trail and maintaining ADA-compliant slopes, which involved placing fill and drainage structures within the floodway. Because the existing floodplain and base flood elevations were outdated, we developed updated hydraulic models and provided floodplain compensation to demonstrate compliance with FEMA and City of Gainesville requirements. We prepared and submitted a Conditional Letter of Map Revision (CLOMR) and will submit a future Letter of Map Revision (LOMR) to FEMA, demonstrating that the improvements would not adversely impact base flood elevations. Our services included coordination with the St. Johns River Water Management District (SJRWMD), Alachua County Wetlands, and FDOT for trail connections, as well as environmental permitting and stakeholder engagement. This project provided both improved accessibility and regulatory compliance, supporting the City's goals for resilient, accessible infrastructure.



Contact:

Brad Smith
352.667.1359
bsmith@hernandocounty.us

Relevant Services:

- ✓ Preliminary Design
- ✓ Final Design
- ✓ Bidding and Construction Phase Services
- ✓ FDOT, FDEP, and Other Environmental Permits
- ✓ Grant Funding Support
- ✓ Stakeholder Coordination
- ✓ Demolition of Old Facilities
- ✓ Site Relocation, Land Acquisition, and Zoning
- ✓ Site Fencing and Landscaping
- ✓ Flood Protection
- ✓ Startup Assistance
- ✓ LS O&M Manuals

HERNANDO COUNTY

Jones Edmunds has provided Hernando County utility engineering and construction services since 1998. We have helped with recent large projects and continue to serve the County on wastewater treatment plant upgrades and septic to sewer projects.

Drawdown Test (Ridge Manor Project Amendment):

We expanded our services for the Ridge Manor Water Reclamation Facility Expansion project through a focused drawdown test, which was performed as part of an amendment to the overall project scope. Our team conducted this drawdown test to support a comprehensive analysis of the wastewater system and to evaluate the performance of the associated lift station infrastructure.

The drawdown test involved temporarily lowering the water level within the lift station wet well and systematically monitoring the rate at which the water level decreased during pump operation. By collecting and analyzing this data, we were able to assess the pumping capacity, identify potential inflow and infiltration issues, and evaluate the overall efficiency of the lift station. This process

provided valuable insights into the hydraulic performance of the system under real-world operating conditions.

Our methodology supports the identification of any operational constraints or maintenance needs, and the results of the drawdown test informed recommendations for system improvements. This work was integral to the broader Ridge Manor Water Reclamation Facility Expansion, which aims to provide reliable wastewater service and accommodate future growth in Hernando County.



CITRUS COUNTY

Contact:

Ken Cheek
352.527.7650
ken.cheek@citrusbocc.com

Relevant Services:

- ✓ Preliminary Design
- ✓ Final Design
- ✓ Bidding and Construction Phase Services
- ✓ FDOT, FDEP, and Other Environmental Permits
- ✓ Grant Funding Support
- ✓ Stakeholder Coordination
- ✓ Demolition of Old Facilities
- ✓ Site Relocation, Land Acquisition, and Zoning
- ✓ Site Fencing and Landscaping
- ✓ Flood Protection
- ✓ Startup Assistance
- ✓ LS O&M Manuals

Jones Edmunds has provided engineering services under various continuing contracts to Citrus County since 2003.

Chassahowitzka to Southwest Regional Water

Reclamation Facility Force Main: Citrus County proposed to balance wastewater flows across its wastewater treatment facilities, including increasing flows to the SWRWRF. The County identified lift stations for modification to redirect flows from the Chassahowitzka and Meadowcrest sewersheds to the SWRWRF sewershed. The lift stations include those serving the Chassahowitzka sewersheds and a portion of the Meadowcrest sewershed. The identified lift stations will transmit flow to the SWRWRF through a new 12-inch force main that will discharge to the 24-inch force main on West Oak Park Boulevard.

To assess the hydraulics of four proposed configurations, we performed hydraulic modeling of a portion of the wastewater transmission system. We created a dynamic hydraulic model and analyzed the wastewater system's hydraulic performance, assuming four possible discharge configurations, including two routes. A Technical Memo summarized the overall effort,

including the recommended lift station discharge configurations, the recommended force main route, new pump selection at Lift Station CZ-11, new pumps at Lift Station MC-21, and other system improvement needs.

Jones Edmunds designed the upgrades to two lift stations and approximately 12,000 LF of 12-inch DR 18 PVC force main with bore and jack crossings under US 19 and CR 480, as well as 10 HDPE directional drills. This force main project reverses the flows from 15 lift stations to the SWRWRF. Jones Edmunds then performed bidding and construction-phase services.



Relevant Services:

- ✓ Preliminary Design
- ✓ Final Design
- ✓ Bidding and Construction Phase Services
- ✓ FDOT, FDEP, and Other Environmental Permits
- ✓ Grant Funding Support
- ✓ Stakeholder Coordination
- ✓ Demolition of Old Facilities
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CITY OF ST. CLOUD

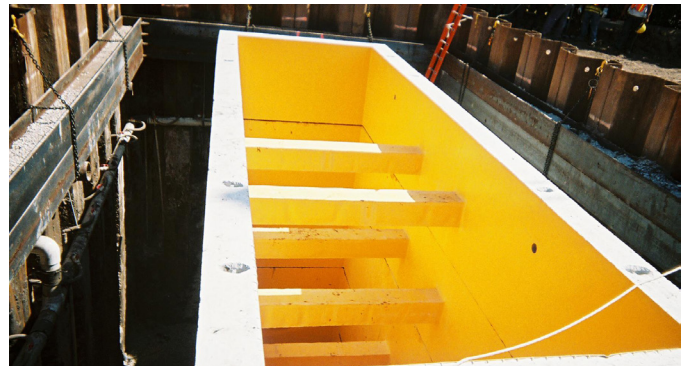
Jones Edmunds started serving the City of St. Cloud for General Permitting, Compliance, Data Management, and Organizational Management Services on a continuing basis in 2003.

6-MGD Master Lift Station No. 5 Design and Construction Services:

Jones Edmunds evaluated and designed a new 6-MGD wastewater master lift station for the City and provided part-time construction administration services with City field staff, which provided the remainder of on-site resident representative services. The City of St. Cloud needed a new master sewer lift station (Lift Station No. 5) to replace two old lift stations that needed major upgrades and repairs. In addition, Jones Edmunds addressed several unique design issues, listed below, to allow construction of this new lift station at the City's existing Lakeshore Wastewater Treatment Facility:

- Minimize construction cost.
- High groundwater (seasonal high within 5 feet of ground service).
- Deep wetwell (28 feet from ground surface) to accommodate a new 30-inch gravity sewer main and provide adequate storage to reduce cycle times.
- Site excavation needed to be minimized to prevent undermining existing structures.
- Fast-paced construction was required to replace the failing lift stations and allow the completion of the new gravity sewer upgrade project to coincide with the new pump station project.
- Design of the station for two head conditions: Phase 1—pump to the existing Lakeshore WWTF for an interim 2-year period, and Phase 2—pump to the new Southside WWTF using an existing 20-inch ductile iron forcemain that is approximately 25,000 feet in length.

To meet the aggressive 6-month construction schedule, minimize construction costs, and address the high groundwater issues, the station was designed using pre-cast concrete wet-well sections. Five pre-cast sections, each 28 feet long by 8 feet wide by 5 feet high, plus a pre-cast base section (with ballast), were used to minimize the excavation and reduce the amount of time to maintain an open hole and groundwater dewatering. The entire pre-cast wetwell was set within 2 days and backfilled within 1 week. Lift Station No. 5 includes four 2,500-gpm pumps at 140 HP each. Three pumps provide firm capacity. The station consists of a 30-inch trash rack and a jib crane with an electric trolley and a hoist of 4-ton capacity.



Relevant Services:

- ✓ Preliminary Design
- ✓ Final Design
- ✓ Bidding and Construction Phase Services
- ✓ FDOT, FDEP, and Other Environmental Permits
- ✓ Grant Funding Support
- ✓ Stakeholder Coordination
- ✓ Demolition of Old Facilities
- ✓ Site Relocation, Land Acquisition, and Zoning
- ✓ Site Fencing and Landscaping
- ✓ Flood Protection
- ✓ Startup Assistance
- ✓ LS O&M Manuals

CITY OF PLANT CITY

Jones Edmunds has been working with the City of Plant City since 1997.

Lift Station #37, Force Main, and Gravity Sewer: Jones Edmunds designed, obtained permitting for, and provided construction-phase services for a new sanitary sewage master lift station (submersible type 9180 gpm at 44 ft TDH), as well as approximately 3,500 feet of 8- through 12-inch gravity sewer and 5,300 feet of force main. The project included new pumps, a wetwell, instrumentation/controls, and a lighting protection system. The design and construction of this project had to be completed within a tight time frame to meet the service requirements of a new YMCA facility in the City. Jones Edmunds was successful in meeting the schedule and budget needs of this project. Jones Edmunds worked closely with the City to complete the design, permitting, and construction of this project, which connected to the City's sewer system in the vicinity of Alexander Street and James Redman Parkway.

Jones Edmunds prepared the detailed design, including drawings and specifications, and provided part-time construction inspection services. We also reviewed shop drawings, processed payment applications, and prepared record drawings. Jones Edmunds was responsible for project permitting and coordinating site surveys and geotechnical investigations.





TAB VII.

EXPERIENCE AND CAPABILITIES

Specialized Experience and Capabilities

VALUE ENGINEERING

Our approach to value engineering is fully integrated into our project delivery, beginning with collaborative brainstorming sessions that include technical and construction experts. We identify opportunities to improve cost efficiency and functionality by continually assessing constructability at each project milestone. An example is the Master Lift Station Design and Construction Services project for the City of Winter Haven, where our value engineering review led to nearly \$900,000 in construction cost savings without compromising key project features.

Our process includes thoroughly reviewing suggested substitutions and collaborating with client construction managers to verify equivalency and suitability. For example, we have redesigned pump systems and site layouts to reduce excavation, equipment, and operational costs. This combination of technical expertise and client input allows us to develop options and alternatives that meet budget constraints and project objectives. The quality of our value engineering has also been recognized through third-party reviews for municipal clients, verifying compliance, accuracy, and practical design improvements.



Our value engineering review led to nearly
\$900,000
savings
in construction cost.

LIFE CYCLE COST ANALYSIS

We use life cycle cost evaluations to help our clients choose solutions that provide long-term value. Our team creates comparative assessments that look beyond capital expenses, including ongoing operations, maintenance, and energy costs over the system's lifespan. This approach has guided important project decisions on infrastructure alternatives and technology selection, such as in recent wastewater facility and collection system upgrades. By working closely with client teams, we evaluate the impact of higher initial investments that result in lower operational costs, supporting clients in making well-informed, economical decisions. Our cost estimation processes, such as the Engineer's Opinion of Probable Construction Cost (EOPCC), document material, labor, operational, and decommissioning expenses, promote responsible project planning.

CRITICAL PATH METHOD AND FAST-TRACK CONSTRUCTION

We use the critical path method (CPM) as a key tool for project scheduling and management. By creating detailed CPM schedules at the start of each project, our team tracks all tasks, milestones, and dependencies to achieve target delivery dates. We conduct regular progress meetings, use project management software for real-time updates, and quickly respond to delays by adjusting resources or task sequences. We collaborate closely with contractors for construction phase projects, requiring updates to CPM schedules and observing and documenting progress through daily reports to meet quality, timeline, and budget expectations.

A strong example of our experience applying CPM scheduling and fast-track construction is the City of Bradenton's Master Lift Station 5 Replacement. For this project, we were tasked with upgrading and replacing a master lift station with significant site and operational constraints due to severe corrosion and the need to maintain continuous service. Our team developed a CPM schedule to coordinate the demolition of the existing wet pit-dry pit structure and the construction of a new submersible lift station on the same site. The schedule identified critical path activities such as temporary bypass pumping, structural and geotechnical work, equipment procurement, and phased construction to minimize service disruptions. We accelerated the project timeline by overlapping design, permitting, and procurement phases, reducing the overall construction duration. This fast-track strategy enabled us to maintain wastewater service throughout the project, adapt to field conditions, and deliver the new lift station efficiently and on schedule.

ENERGY CONSERVATION AND ENVIRONMENTAL ASSESSMENT

We are committed to sustainability by approaching every wastewater and lift station project with strategies focused on energy conservation, adopting new energy resources, and promoting environmental stewardship. Our solutions employ energy-efficient equipment, demand-based controls, and SCADA-integrated monitoring to maximize energy efficiency throughout system operations. Our project portfolio includes master planning, energy evaluations, and pilot projects that involve alternative energy sources, such as advanced hydraulic modeling for conservation and resource management efforts in sensitive areas like the St. Johns Marsh Conservation Area, balancing infrastructure needs with ecosystem protection. Our services encompass comprehensive environmental assessments, compliance planning, and permitting, demonstrating expertise in traditional collection systems and innovative, resource-conscious alternatives.

NEW ENERGY RESOURCES

Jones Edmunds frequently incorporates backup power generators into our lift station designs. These include both diesel and natural gas powered units. In addition, we have experience in designing diesel powered backup pumps for lift stations that serve as a viable and cost-effective alternative to traditional generators.

SCADA EXPERIENCE

Our design and implementation of lift station infrastructure are distinguished by our deep experience in integrating advanced SCADA and control solutions. Our team has provided SCADA system design, integration, expansion, and modernization on various public sector utility projects. Our recent work for Charlotte County evaluated the impacts of major transmission and master lift station improvements, developing real-time visualization and control tools for water management and operational decisions. Our SCADA projects extend to real-time countywide hydrologic monitoring, instrumentation, and control for pump stations, and automated system alarms and reporting. We directly support seamless SCADA integration through cross-disciplinary collaboration in electrical, I&C, and IT/GIS, resulting in robust, user-friendly solutions that empower utility staff with actionable system data. These implementations promote responsive operations and system resilience against environmental and operational challenges.

INNOVATIVE APPROACHES

Innovation is a core element of our practice, demonstrated in project-specific design specifications, proprietary hydraulic modeling and graphing tools development, and custom operations manuals. Our team applies proven critical path and fast-tracking strategies, advanced data analytics, and data-driven process control to optimize operations. Key innovations include developing custom analysis methods for air release and vacuum valves, establishing multi-vendor open-source system specifications to promote cost and design competition, and integrating geographic data with operational SCADA systems. One innovation we have employed on lift station designs is using diesel-powered backup pumps instead of standby generators. A properly sized diesel-powered pump is an FDEP-approved alternative for a standby generator and is typically less expensive. The alternative to use a back-up pump is discussed with the Owner during the preliminary design process, and the pros and cons are reviewed in detail to make an informed decision.

By constantly improving our technical methods and working closely with clients, we deliver flexible, resilient infrastructure solutions that meet current and future needs.





TAB VIII - XI.

VOLUME OF WORK | LOCATION | LITIGATION |
MINORITY BUSINESS

VOLUME OF WORK

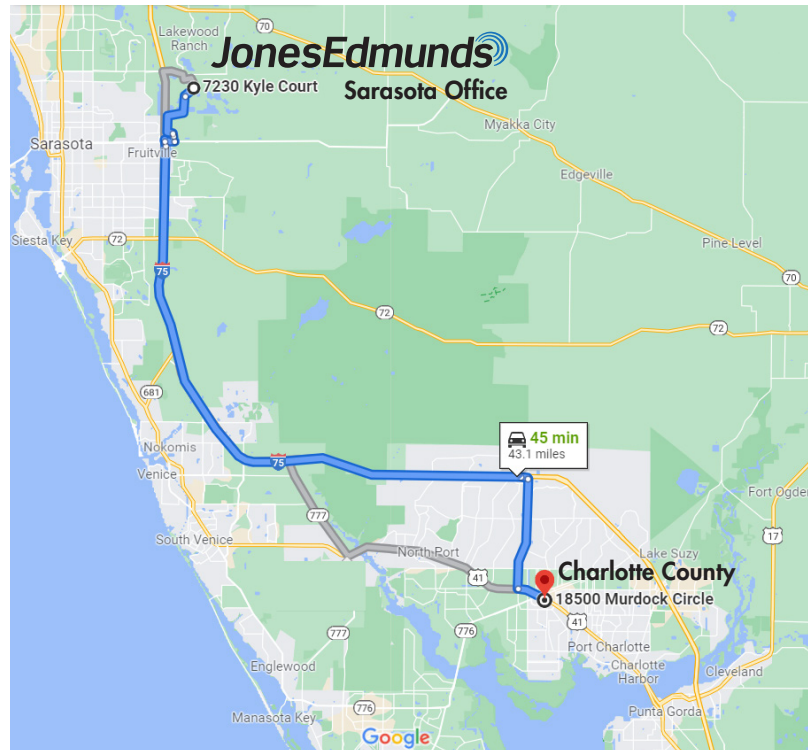
Jones Edmunds received \$2,829,171.62 in payments from the County over the past 24 months (see Proposal Submittal Signature Form); therefore, our volume of work is over \$500,000, resulting in 0 points.

LOCATION

Much of the work will be performed from Jones Edmunds' Sarasota office, which will serve as the Office of Record and help facilitate meetings and tasks as needed. There will be additional support from our nearby Tampa office and our other Florida offices and Florida subconsultants. As shown in the location map, our Sarasota office is close to Charlotte County, allowing us to efficiently serve the project area. Our Tampa office is also a short 1.5 hour drive to the County.

Staffing projects across multiple offices is a proven and effective approach for our clients. All Jones Edmunds offices are linked electronically, enabling seamless collaboration, project production, and coordination. We routinely share staff, workload, and resources between offices, using Internet meetings, videoconferencing, and telecommunications to keep teams connected.

Our entire team is based in Florida, which provides both proximity and a deep understanding of the regulatory, environmental, and infrastructure challenges unique to our state. This local presence sets us apart from other firms who may rely on out-of-state resources. Regardless of office location, the quality of our work and adherence to schedule remain unaffected.



LITIGATION – HAVE YOU BEEN NAMED AS A DEFENDANT OR CO-DEFENDANT IN A LAWSUIT IN THE LAST FIVE YEARS

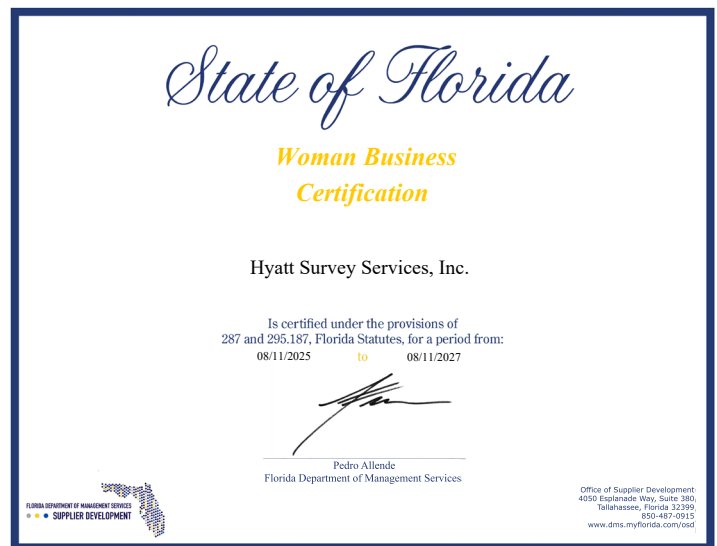
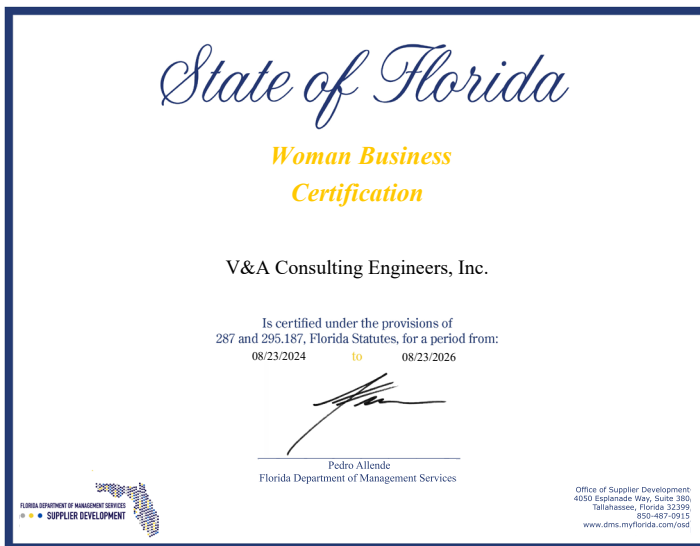
Jones Edmunds & Associates, Inc. has not been named a defendant or co-defendant in a lawsuit in the last five years.

MINORITY BUSINESS

Jones Edmunds is not a minority-owned business (MBE). However, at Jones Edmunds, we take our commitment to MBEs seriously and support Charlotte County's MBE goals. We have been committed to increasing the participation of minority-owned business enterprises in procuring commodities and services in Charlotte County and throughout Florida over the years.

We participate in small business conferences hosted by other agencies in Florida to build our list of qualified MBE team partners. We have an internal tracking system that provides real-time data on the amount of subcontracted work and the distribution of subcontracts to MBE businesses – for Charlotte County projects and other clients with MBE goals.

V&A and Hyatt are Certified Women-Owned Businesses.





FORMS

PART IV - SUBMITTAL FORMS
PROPOSAL SUBMITTAL SIGNATURE FORM

1.	Project Team Name and Title	Years experience	City of office individual will work out of for this project	City individual's office is normally located	City of individual's residence
	Thomas Friedrich, PE, BCEE	35 Years	Tampa	Tampa	Ind. Rock Bch.
	Timothy Lillo, PE	6 Years	Alachua	Alachua	Gainesville
	John Hannah, PE	40 Years	Tampa	Tampa	Brandon
	Sean Menard, PE	10 Years	Alachua	Alachua	Ocala
	James McLellan, PE	39 Years	Tampa	Tampa	Bradenton
	Kenneth Fraser, PE	28 Years	Jacksonville	Jacksonville	Jacksonville
	John Harvey, PE, LEED AP	37 Years	Tampa	Tampa	Wesley Chapel
	Gregg S. Fruecht	47 Years	Tampa	Tampa	Palm Harbor
	Jamie S. Bell, PE	11 Years	Alachua	Alachua	Gainesville
2.	Magnitude of Company Operations				
	A) Total professional services fees received within last 24 months:			\$	63,310,501
	B) Number of similar projects started within last 24 months:				84
	C) Largest single project to date:			\$	8,308,344
3.	Magnitude of Charlotte County Projects				
	A) Number of current or scheduled County Projects				7
	B) Payments received from the County over the past 24 months (based upon executed contracts with the County).			\$	2,829,171.62
4.	Sub-Consultant(s) (if applicable)	Location	% of Work to be Provided	Services to be Provided	
	V&A Consulting Engineers, Inc.	Lakewood Ranch, Florida	5%	Odor & Corrosion Control	
	Hyatt Survey Services, Inc.	Bradenton, Florida	5%	Survey	
	Ardaman & Associates, Inc.	Sarasota, Florida	5%	Geotechnical Engineering	
	EMI Consulting Specialties, Inc.	Groveland, Florida	10%	Electrical, I&C, SCADA	
	Wekiva Engineering, LLC	Orlando, Florida	5%	Structural Engineering	
5.	Disclosure of interest or involvement: List below all private sector clients with whom you have an active pending contract and who have an interest within the areas affected by this project. Also, include any properties or interests held by your firm, or officers of your firm, within the areas affected by this project.				
	Firm	Address			
	Phone #	Contact Name			
	Start Date	Ending Date			
	Project Name/Description				

NAME OF FIRM Jones Edmunds & Associates, Inc.
(This form must be completed and returned)

4. Contd.

Sub-Consultant Culpepper and Terpening, Inc.	Location Fort Pierce, Florida	% of Work to be Provided 2%	Service to be Provided Subsurface Utility Engineering
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6. Minority Business: The County will consider the firm's status as an MBE or a certified MBE, and also the status of any sub-contractors or sub-consultants proposed to be utilized by the firm, within the evaluation process.	Yes <u> X </u> No <u> </u>
Comments or Additional Information:	
V&A Consulting Engineers and Hyatt Survey Services are certified MBE firms.	

The undersigned attests to his/her authority to submit this proposal and to bind the firm herein named to perform as per contract, if the firm is awarded the Contract by the County. The undersigned further certifies that he/she has read the Request for Proposal, Terms and Conditions, Insurance Requirements and any other documentation relating to this request and this proposal is submitted with full knowledge and understanding of the requirements and time constraints noted herein.

By signing this form, the proposer hereby declares that this proposal is made without collusion with any other person or entity submitting a proposal pursuant to this RFP.

In accordance with section 287.135, Florida Statutes, the undersigned certifies that the company is not on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, and does not have business operations in Cuba or Syria (if applicable) or the Scrutinized Companies that Boycott Israel List, or is not participating in a boycott of Israel.

As Addenda are considered binding as if contained in the original specifications, it is critical that the Consultant acknowledge receipt of same. The submittal may be considered void if receipt of an addendum is not acknowledged.

Addendum No. <u> 1 </u> Dated <u>9/9/2025</u>	Addendum No. <u> </u> Dated <u> </u>	Addendum No. <u> </u> Dated <u> </u>
Addendum No. <u> </u> Dated <u> </u>	Addendum No. <u> </u> Dated <u> </u>	Addendum No. <u> </u> Dated <u> </u>

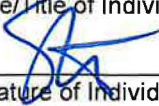
Type of Organization (please check one):	INDIVIDUAL	☐	PARTNERSHIP	☐
	CORPORATION	☒	JOINT VENTURE	☐

<u>Jones Edmunds & Associates, Inc.</u> Firm Name	<u>941.358.1440</u> Telephone
<u>N/A</u> Fictitious or d/b/a Name	<u>59-1533071</u> Federal Employer Identification Number (FEIN)

<u>13545 Progress Boulevard, Suite 100</u> Home Office Address	
<u>Alachua, FL 32615-9402</u> City, State, Zip	<u>51 Years</u> Number of Years in Business

<u>7230 Kyle Court, Sarasota, FL 34240</u> Address: Office Servicing Charlotte County, other than above	
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<u>Thomas Friedrich, PE, BCEE</u> Name/Title of your Charlotte County Rep.	<u>813.263.2204</u> Telephone
---	----------------------------------

<u>Stanley F. Ferreira, Jr., PE, President & CEO</u> Name/Title of Individual Binding Firm (Please Print)	
 Signature of Individual Binding Firm	<u>September 24, 2025</u> Date

<u>RFerreira@jonesedmunds.com</u> Email Address	
--	--

(This form must be completed & returned)

DRUG FREE WORKPLACE FORM

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that Jones Edmunds & Associates, Inc.
does: (name of business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.



Proposer's Signature

September 24, 2025

Date

NAME OF FIRM Jones Edmunds & Associates, Inc.

(This form must be completed and returned)

**HUMAN TRAFFICKING AFFIDAVIT
for Nongovernmental Entities Pursuant To FS. §787.06**

Charlotte County Contract #20250608

The undersigned on behalf of the entity listed below, (the "Nongovernmental Entity"), hereby attests under penalty of perjury as follows:

1. I am over the age of 18 and I have personal knowledge of the matters set forth except as otherwise set forth herein.
2. I am an officer or representative of the Nongovernmental Entity and authorized to provide this affidavit on the Company's behalf.
3. Nongovernmental Entity does not use coercion for labor or services as defined in Section 787.06, Florida Statutes.
4. This declaration is made pursuant to Section 92.525, Florida Statutes. I understand that making a false statement in this declaration may subject me to criminal penalties.

Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated in it are true.

Further Affiant sayeth naught.



Signature

Stanley F. Ferreira, Jr., PE

Printed Name

President & CEO

Title

Jones Edmunds & Associates, Inc.

Nongovernmental Entity

September 24, 2025

Date

END OF PART IV

NAME OF FIRM Jones Edmunds & Associates, Inc.

(This form must be completed and returned)

JonesEdmunds

800.237.1053 | JONESEDMUNDS.COM

