

RFP NO. 2024000597

BURNT STORE WATER RECLAMATION FACILITY (WRF) MAJOR DESIGN PERMIT MODIFICATION

*Charlotte
County*



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October 25, 2024

Charlotte County
Purchasing Division
18500 Murdock Circle
Suite 344
Port Charlotte, Florida 33948

Kimley-Horn Sarasota
1800 2nd Street
Suite 900
Sarasota, FL 34236

RE: RFP #2024000597, BURNT STORE WATER RECLAMATION FACILITY (WRF) MAJOR DESIGN PERMIT MODIFICATION

Dear Rhiannon Mills, Senior Contract Specialist, and Members of the Selection Committee,

As Charlotte County Utilities (CCU) embarks on the selection of a firm to provide professional engineering services for the Burnt Store Water Reclamation Facility Major Design Permit Modification project, Kimley-Horn would like to express our sincere desire to serve you in this critical role. With our proven track record as a recognized leader in providing professional services for water and wastewater facilities in the Southern United States, we are confident in our ability to deliver exceptional engineering, permitting, and construction phase services for this project.

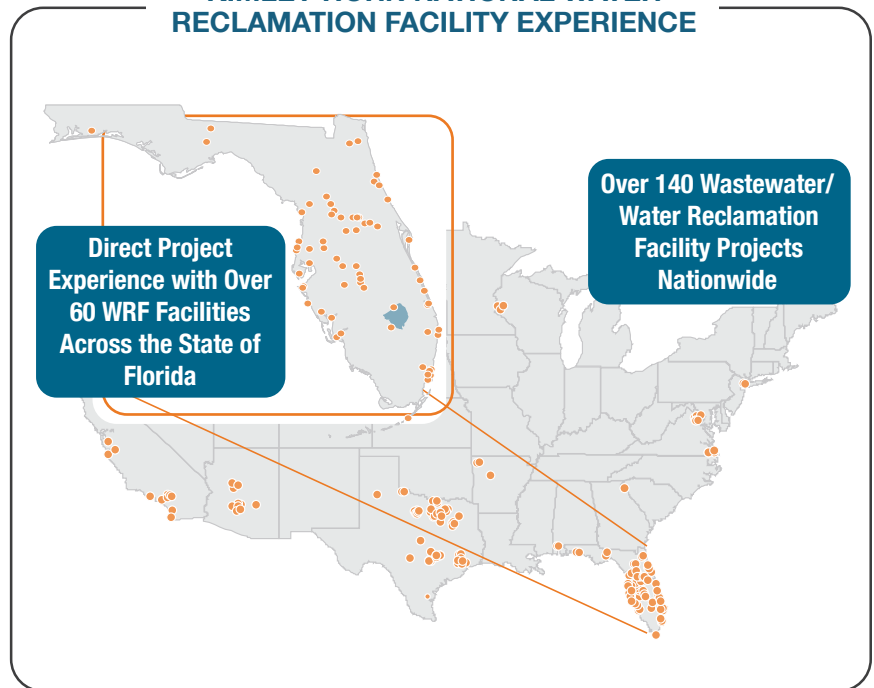


EXTENSIVE EXPERIENCE.

Kimley-Horn has delivered over 60 water reclamation facility projects across Florida, and we can quickly

draw on our expertise to deliver a successful project with a focused plan. Our projects include both expansions and rehabilitations to existing treatment facilities and brand-new facilities on virgin sites. We have designed every portion of a fully functional wastewater treatment facility from the headworks to the effluent pump station, from the waste activated sludge pumps to the dewatering system (including solids disposal sites), and from the effluent pumps to the spray field (including groundwater monitoring wells). Our team also has expertise with nearly every treatment process including sequencing batch reactors (SBRs), oxidation ditches, 4- and 5-stage Bardenpho, A2O, MLE, MBR, MABR, and MBBR processes. Our depth of knowledge in wastewater treatment processes will provide the County with the expertise in wastewater treatment needed to assist with the planned facility expansion.

KIMLEY-HORN NATIONAL WATER RECLAMATION FACILITY EXPERIENCE



RESPONSIVE FULL SERVICE.

We have the expertise, drive, and resources to work as a cohesive unit with the County, helping to ensure this project is completed on time and to your specifications. At Kimley-Horn, we focus on timely, efficient performance to keep communities moving forward. As a multidisciplinary engineering consultant, we have the local and national resources to respond to any need. We will work with your staff to clearly establish goals and draw upon our experience to formulate innovative and cost-effective approaches—this is the Kimley-Horn difference.

Based in Kimley-Horn's Sarasota office, our client manager, **Ashley Miele, PE**, and our project manager, **Jeff Goodwin**, will serve as your personal points of contact, with full authority to make decisions that benefit the County. Ashley proudly served Charlotte County since 2015 providing planning, design, and regulatory compliance services including water, wastewater, and reclaimed water assignments, ranging from the operation and maintenance manuals for the Burnt Store Water Treatment Plant, the Rotonda and West Port Water Reclamation Facilities (WRF) to certification of the Englewood Booster Pump Station Chloramine System Improvements. Through her work, she has forged strong relationships with your staff, including project managers, operations staff, and management staff. In short, Ashley is well-versed in your work, facilities, people, and preferences, making her an ideal choice as your client manager.



COLLABORATIVE APPROACH. Kimley-Horn's collaborative team philosophy can be summed up in four words: teamwork, communication, competence, and integrity. We are partnered with Hyatt Survey Services, Inc. to provide survey; Universal Engineering Sciences, LLC for geotechnical; and A20 Consulting, LLC for construction services. Kimley-Horn and our trusted subconsultants have a long track record of collaborating to provide design services for utility clients throughout Florida. We will collaborate seamlessly with County engineering and operations staff, leveraging top-tier resources to successfully deliver this project.



MAXIMIZE VALUE. Like many of our utility provider clients, Charlotte County must balance the growth of the system to serve new customers along with the renewal of aged wastewater collection, conveyance, and treatment infrastructure with strategies that improve operational flexibility. We understand utilities are constantly faced with developing cost-effective strategies to advance capital projects while conforming to time constraints associated with funding, competing needs for resources, growth, and emerging regulations. Our team recognizes the need to minimize project costs and maximize value.



EFFICIENT PROJECT DELIVERY. Kimley-Horn has the necessary experience and resources to meet the expected schedule for this project, maintaining high standards for design, attention to detail, and exceeding client expectations. Our past experience with similar infrastructure projects has provided us with an unparalleled knowledge and understanding of your project needs. For similar projects, we applied creative solutions to challenges that were identified early on in the design process in order to meet the project schedule. We have assembled a team with the proven ability to proactively plan for and initiate project activities with the big picture schedule and deliverables in mind. This proactive planning not only will guide the process to completion by the approved schedule, but also will help identify variations in scope, budget, and schedule that may need corrective action.



A TEAM YOU CAN COUNT ON. Clients know they can count on Kimley-Horn—that's why almost 90% of our business comes from repeat clients. They know that our engineers, planners, and environmental scientists apply creativity and rigor to deliver outstanding results. We have a history of providing engineering services for various disciplines for Charlotte County, including regulatory compliance for projects within the last four years, including: Capacity, Management, Operations, and Maintenance Assessment; Englewood Booster Station; Rotonda Multi-Use Trail; Burnt Store Road Reconstruction; Gateway Harbor Walk; and McGuire Park. We offer a team of top-notch professionals, in-house capabilities, depth of resources, and a commitment to responsive and reliable service to Charlotte County. Kimley-Horn is not focused on the short-term result but is devoted to establishing a long-term relationship founded on trust, respect, and teamwork. We look forward to continuing to serve you.

With this response, we offer our commitment to Charlotte County and ask for your favorable evaluation. Our deep bench of professionals is committed and eager to represent the County on this contract and look forward to providing our professional services to support your commitment to providing high-quality engineering and planning services to your community. We stand ready to serve and ask for the opportunity to do so. ***With Kimley-Horn, you can truly expect more and experience better.***

Sincerely,

Kimley-Horn and Associates, Inc.

Ashley Miele, PE
Client Manager

M. Lewis Bryant, PE
Principal-in-Charge/Senior Vice President
Authorized Signer

Lewis Bryant, PE, is a Senior Vice President with the firm and has full authority to bind and obligate the consultant on any matter arising under this agreement. The client manager or principal will not be substituted without the express permission of the County.

This proposal was made without collusion with any other person or entity submitting a proposal pursuant to this RFP.



**TEAM PROPOSED FOR
THIS PROJECT**

I. TEAM PROPOSED FOR THIS PROJECT

By selecting Kimley-Horn as your consultant for this project, you are choosing a long-term partner and trusted advisor who understands the importance of assembling a strong project team. The County requires a core team of experts with relevant hands-on experience and a high level of responsiveness, including exceptional local support and technical expertise. As you have previously worked with Kimley-Horn, you can be confident of the capabilities of your project manager, Jeff Goodwin, and client manager, Ashley Miele, PE. They have the authority to access any necessary resources and can provide immediate assistance when needed. Kimley-Horn has proudly served Charlotte County for the past 18 years and looks forward to continuing our partnership.

1. Project Management Team



ASHLEY MIELE, PE – CLIENT MANAGER; PROCESS MECHANICAL DESIGN

Ashley is a senior project manager with more than 23 years of project design, project management, and construction management experience with environmental wastewater and water engineering projects. Based out of our Sarasota office, Ashley has served as engineer-of-record for more than \$200 million of infrastructure improvement projects in Sarasota County and surrounding areas. She has had the pleasure of serving Charlotte County throughout her career with projects such as the FY 2021-2024 Water and Wastewater Regulatory Services, Charlotte County Design Manual, and the Gulf Cove Water Storage Tank Improvements. Her expertise includes design and management of water and wastewater treatment facilities; rehabilitation and restoration of infrastructure, pumping systems; hydraulic modeling and planning. She has extensive experience with permitting through all agencies, including FDEP, SFWMD/SWFWMD, FDOT, and ACOE. Ashley provides her expertise on construction phase services, including contractor solicitation; bid analyses; management recommendations; site construction management; and quality control.



JEFF GOODWIN, – PROJECT MANAGER; FEASIBILITY EVALUATION; PERMIT MODIFICATION

Jeff brings 25 years of experience working with Manatee County Utilities in various leadership roles. During his time at Manatee County, he was responsible for managing the wastewater division that included three water reclamation facilities, a thermal biosolids treatment facility, a reclaimed distribution system including deep injection wells, and a sanitary sewer collection system comprised of over 1800 miles of gravity and force mains and over 740 lift stations. His public sector background makes him uniquely qualified to assist our municipal clients in meeting their project needs including planning, budgeting, and overseeing the design, permitting and construction of multiple capital projects at the water reclamation facilities. Jeff has a strong technical background complemented by effective management and organizational skills, which will be instrumental in managing this project. His collaborative and communicative approach will ensure a successful project delivery.

UNMATCHED PROJECT LEADERSHIP

Ashley and Jeff are seasoned industry professionals with impeccable credentials and a combined 48 years of leadership experience in water and wastewater infrastructure. Renowned for their responsiveness and cost-effective solutions, they excel in fostering communication and collaboration among all parties involved in any assignment. With a proven track record in managing, planning, designing, and constructing major engineering and infrastructure projects—such as the Manatee County Equalization Tanks, Charlotte County Design Manual, FY 2023 Charlotte County water/wastewater and several other facility feasibility studies—they bring trusted leadership and hands-on expertise. The County can expect that Ashley and Jeff will effectively harness our team’s capabilities into a cohesive and efficient project delivery unit.



2. Other Key Personnel Staff



LEWIS BRYANT, PE – PRINCIPAL-IN-CHARGE

Serving as your Principal-in-Charge, Lewis has 24 years of experience with municipal utility engineering, including wastewater treatment plant modifications, utility relocation, master planning, distribution system design, hydraulic computer modeling and analysis, and construction phasing and inspections. As one of the WWTP design leaders in the Florida region, Lewis specializes in wastewater treatment plant design, facility expansion plans, permit renewals, and operational evaluations. His extensive knowledge includes new WWTP design/permitting and modifications; expansion plans and capacity analysis reports; water and wastewater utility mapping, modeling, expansions, and construction inspections; and rehabilitation and/or replacement of sanitary sewer laterals. Lewis understands the County's needs and will continue to provide oversight throughout, lending his expertise to all aspects of this project. Lewis has the authority to execute the contract, secure technical resources, and ensure that project needs are met.

The Project Manager and Principal-in-Charge will not be substituted without the express permission of the County.



DOUG ECKMANN, PE, BCEE, DWRE, FASCE – QUALITY CONTROL/QUALITY ASSURANCE ADVISOR

Doug has over 40 years of experience in the funding, planning, permitting, design, and construction of water-related infrastructure projects for public utilities. He has served as the program manager, project manager, and technical director for more than \$450 million of water and wastewater related capital projects in Southwest Florida alone. These projects include public water supply, water treatment, storage, and distribution. He is a Board-Certified Environmental Engineer in Water Infrastructure and a Board-Certified Water Resource Engineer, as well as Fellow of the American Society of Civil Engineers. Doug has led the engineering teams delivering \$113 million of improvements at the Peace River Authority's 51 MGD regional surface water treatment facility in DeSoto County. Many of these projects incorporated state-of-the-art technology and innovative solutions to address Florida's complex water resource challenges. Doug's extensive record managing the planning, design, and delivery of water, wastewater, reclaimed water, surface water, and treatment plant systems enhances Kimley-Horn's capability to deliver utility infrastructure projects to Southwest Florida clients.



STEVE ROMANO, PE – FEASIBILITY EVALUATION; PROCESS MECHANICAL DESIGN

Steve is a professional engineer with more than 28 years of experience working as a consultant for municipal and private utilities. Steve has experience with a full range of utility projects, including water treatment facility design, wastewater treatment facility design, pipeline design, pump station design, and master planning, including advanced hydraulic modeling, permitting assistance, and regulatory guidance. He has provided designs for new facilities, as well as retrofits and relocations. Steve's experience allows him to bring cost-effective innovative ideas to provide solutions that best fit the specific needs of his clients.



MADELINE KENDER, PE – FEASIBILITY EVALUATION; PROCESS MECHANICAL DESIGN

Madeline has eight years of experience specializing in water/wastewater engineering. Her specific project experience involves water and wastewater treatment plant evaluations and design, pump selection, and pipe materials, as well as permitting and construction phase services. Madeline has worked with various agencies for permitting distribution and collections system components, as well as environmental impacts from construction, wastewater facility operating and construction permits, master reuse systems, minor modifications, facility conveyance, and exemptions. She has experience with construction phase services, including bid solicitation, bid analyses, and quality control. Madeline also has experience with the construction management at risk (CMAR) process and value engineering during design, construction, and startup of wastewater treatment facilities, major interdisciplinary pipeline projects, and deep injection wells. She has helped develop water supply work plans in Florida, coordinating with local and state agencies to collect data and distribute the plan for approval. In the past, she has developed concurrency management tools, culminating population projections, water and wastewater treatment plant facility updates and capital improvement projects data, and land development information into a dashboard for use by utilities staff.



**DAN BORNMANN, EIT– FEASIBILITY EVALUATION; PROCESS MECHANICAL DESIGN;
CONSTRUCTION PHASE SERVICES**

Dan is a project engineer with six years of experience specializing in wastewater treatment. His hands-on background as a wastewater operator provides him with a practical understanding of the field’s complexities. Dan’s expertise covers detailed process design, modeling, permitting, and construction startup, with comprehensive involvement in all aspects of wastewater process design. He is skilled in analyzing flows and loads, selecting optimal equipment, optimizing operations, and process/hydraulic modeling. His design experience includes headworks, activated sludge systems, aeration and mixing systems, pumping stations, clarification, biosolids management, disinfection, chemical feed systems, storage solutions, and multiple disposal methods. Proficient in software such as BioWin, Visual Hydraulics, AutoCAD Civil 3D, and SketchUp, Dan skilled in developing technical reports, evaluation documents, FDEP permit applications, and equipment specifications. His local knowledge, coupled with his ability to analyze data and provide technical and startup expertise, makes him a valuable asset in ensuring regulatory compliance and driving innovative, reliable solutions.

Additional Key Staff



**SETH SCHMID, PE,
STRUCTURAL**

- » Has 29 years of experience in structural, sanitary sewer, potable water, and stormwater engineering design and consulting
- » Provided design and permitting of replacement water control structures
- » Involved in all aspects of a project from project management to conceptual planning, design, development of technical specifications, and construction
- » Software experience includes AutoCAD, Civil 3D, MathCAD, and STAAD



**IAN FLEMINGS, PE,
MECHANICAL, ELECTRICAL,
AND PLUMBING**

- » Has more than 15 years of total industry experience, beginning as an electrician and advancing to electrical design engineer
- » Specialized expertise in power distribution systems, standby power systems, lighting controls and photometrics, short circuit analysis, and selective coordination
- » Hands-on electrical experience gives him a unique understanding of the challenges and implementation realities of both new construction and renovation projects, and how to effectively mitigate through high-quality design



**JENNIFER KLAMA,
PERMIT MODIFICATION**

- » Has six years of experience in water and wastewater regulatory compliance, data analysis and management, and project management
- » Permit modifications for Sarasota County Utilities North Master Reuse System, including permit modifications to change capacity and monitoring well relocations
- » Obtained permits for Sarasota County Utilities, Charlotte County Utilities, and City of North Port
- » Performed Charlotte County Utilities Regulatory Compliance by producing the quarterly update reports, Environmental Resource Permit inspections, oversight and improvement developments of the dashboard to ensure all Consent Order deadlines are met



**RAMON DIAZ,
CONSTRUCTION PHASE
SERVICES**

- » Has 25 years of experience in all facets of the utility construction industry
- » Previous experience working as a utility project manager and inspector for Sarasota County
- » Successful foreman in the construction industry for 13 years prior to joining Kimley-Horn
- » Provides constructability reviews for utility CIP and development services design plans

Subconsultants

Kimley-Horn places great importance on selecting subconsultant partners who align with our values of dynamic teamwork and quality performance. We carefully choose firms that are respected and accomplished in their respective fields and show enthusiasm to join our team and serve their local community. We prioritize subconsultants we have worked with in the past and who have demonstrated their ability to meet our high standards. Just as we strive to provide the best client service as your consultant, we expect the same level of commitment from our subconsultants. For this important contract, we have enlisted A2O Consulting, LLC for cyber-informed engineering (CIE) services, Universal Engineering Sciences (UES) for geotechnical services, and Hyatt Survey Services, Inc. for survey/SUE services.

A2O CONSULTING, LLC. - CYBER-INFORMED ENGINEERING (CIE); PERMIT MODIFICATION



A2O Consulting was established in 2022, with a focus on assisting utilities become more secure, resilient, and sustainable. From advanced cybersecurity measures to resilient design frameworks and sustainable solutions, A2O creates comprehensive solutions that not only safeguard critical infrastructure but also empower utilities to thrive in an ever-evolving landscape. A2O specializes in cyber-informed engineering which integrates cybersecurity considerations into the conception, design, build, and operation of any physical system that has digital connectivity within the water and wastewater sectors. Additional services include master planning, risk and resilience assessments, emergency response planning, training, facilitative services, and permitting assistance.



David Yonge, PhD, PE

A2O's Principal, David is a professional engineer and water enthusiast with expertise in wastewater and water treatment and system design. He has supported the County with master planning, annual reports, permitting, modeling, and various design projects including the Burnt Store Expansion and East Port Expansion projects. As such, he is familiar with the County's goals, standards, and needs and can assist the team in meeting the County's schedule. David currently volunteers in leadership roles in the AWWA

on state and national levels. In 2021, he co-founded the FSAWWA Cybersecurity Committee and received the Regional and State Volunteer of the Year awards.

UNIVERSAL ENGINEERING SCIENCES – GEOTECHNICAL



Universal Engineering Sciences (UES) is a privately held, rapidly growing engineering and consulting firm with six decades of experience in geotechnical engineering, construction materials testing, building code compliance, threshold inspections, and environmental consulting. With nearly 4,000 professionals across 90+ branches in high-growth markets in the US, UES consults on projects of all sizes for public and private clients in industries ranging from transportation and healthcare to commercial, residential, and education. UES has successfully completed geotechnical exploration and engineering services for a variety of public and private projects throughout Naples and the surrounding areas, including Charlotte County. With extensive experience in Southwest Florida, UES has developed a deep understanding of the local soil conditions, enabling us to deliver tailored solutions for each project. Additionally, UES' Fort Myers office has extensive experience in geotechnical exploration for utility-related projects, including the Key Largo Sanitary Sewer Expansion; Marathon Key Utility Expansion; Charlotte County Waterline Expansion; Placida Road Force Main; Charlotte Harbor Low-Pressure Sewer Line and Lift Station; Pelican Boulevard Force Main; Morningstar and Dorchester Waterway Stormwater Control Structures; Cape Coral Dual Water Lines; Rotunda Sands Master Pump Station; Royal Cove Lift Station; and San Carlos Force Main.



Adam Dornacker, PE

Adam is a registered professional engineer with 11 years of experience. His expertise includes foundation design analysis and recommendations, foundation installation monitoring, and field and laboratory testing of soil and concrete. He is responsible for managing and coordinating all work performed by UES' Fort Myers Geotechnical Department. He prepares and reviews geotechnical and materials engineering inspection reports, coordinates and supervises engineering staff and drilling personnel. He also conducts foundation observations and foundation design reviews, geotechnical instrumentation monitoring, and reviews and signs materials testing reports.



Jeff D'Huyvetter, PE

Adam has over 25 years of experience and has assisted with the oversight and engineering for airport and Army Corps projects throughout south Florida. Operations include geotechnical evaluations; construction materials testing; structural design; building inspection; threshold inspection; and forensic and plan review services for residential, commercial, public, and industrial projects. For over 25 years he has worked on a variety of projects throughout the southeastern United States encompassing both design and construction. He has a wide range of experience in geotechnical, materials testing and engineering, and inspection services. Jeff has focused on quality assurance and quality control for construction of major projects.

HYATT SURVEY SERVICES, INC. – SURVEY/SUE



Hyatt Survey Services, Inc. is a full-service, certified woman-owned surveying and mapping company with over 22 years of experience providing comprehensive services throughout Florida. As a certified W/MBE and DBE, Hyatt Survey specializes in boundary, topographic, right-of-way, geodetic, construction, and hydrographic/bathymetric surveys. Their extensive client base includes the US Army Corps of Engineers, the Florida Department of Transportation, and various municipalities across the state. With a highly skilled and experienced team, they offer a wide range of services, including underground utility surveys, as-built surveys, aerial photogrammetry, and electronic base map preparation, ensuring a seamless and reliable solution for all surveying needs. Their expertise and ability to deliver complete services from one source makes Hyatt Survey an excellent choice for any surveying project.

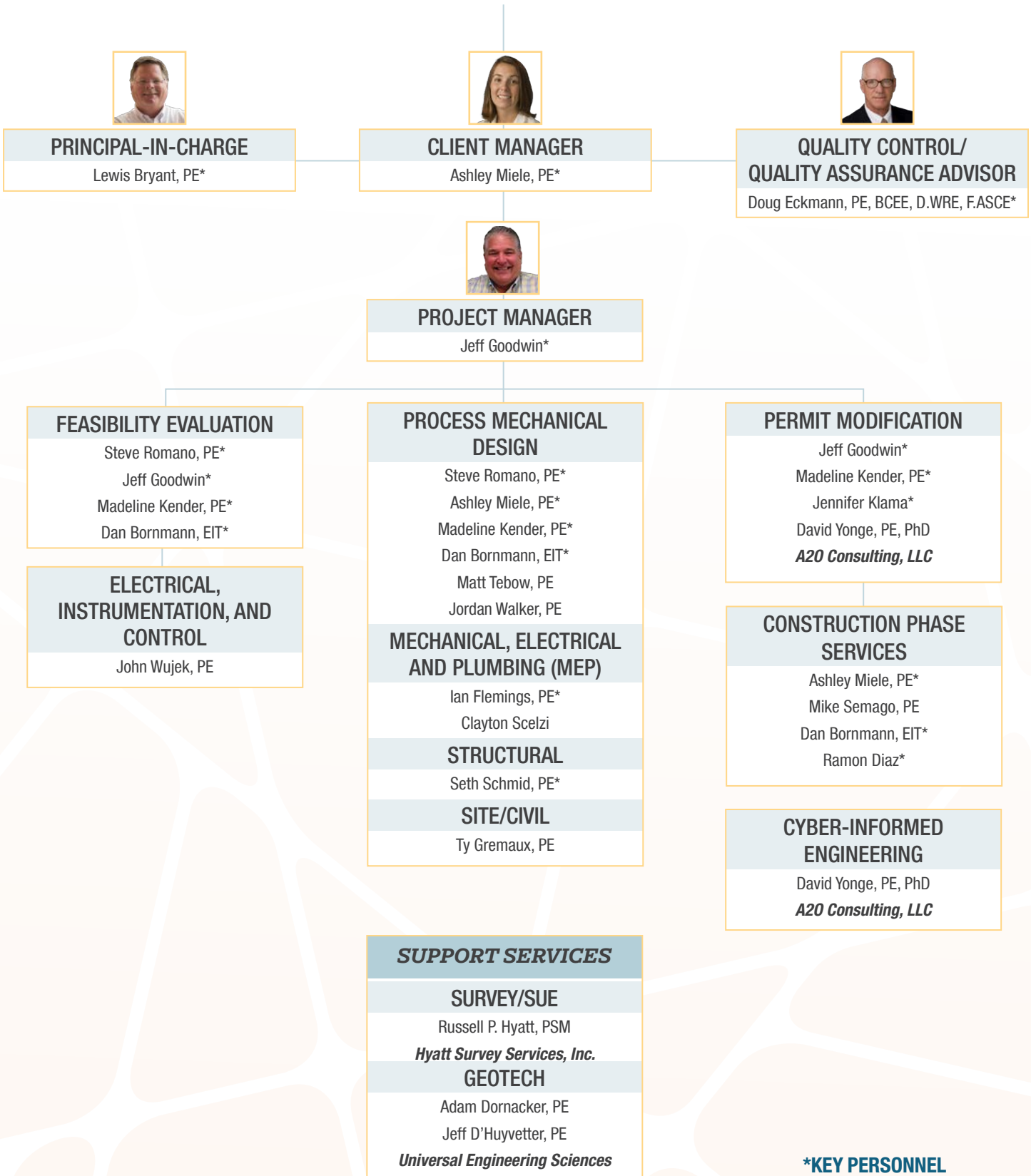


Russell P. Hyatt, PSM

Russell Hyatt is a highly experienced Professional Surveyor and Mapper with 35 years of expertise in transportation planning, construction, and engineering. He possesses a Bachelor of Science degree in Survey and Mapping from the University of Florida and holds the certification of Professional Surveyor and Mapper in Florida (LS#5303). Russell's notable achievements include serving as a past president of the Florida Surveying and Mapping Society and being affiliated with various professional organizations such as the National Society of Professional Surveyors and the American Society of Civil Engineers.

At Kimley-Horn, we place great importance on selecting subconsultants who share our values because we believe that a shared commitment to ethical and professional standards is essential to delivering high-quality and sustainable outcomes for our clients.

CHARLOTTE COUNTY



***KEY PERSONNEL**



Lewis Bryant, PE

Principal-in-Charge

RELEVANT EXPERIENCE

Bay Laurel Center Community Development District (BLCCDD) 2.5-MGD Bay Laurel North Water Reclamation Facility (WRF), Marion County, FL — Project Manager. Kimley-Horn provided design, permitting, and construction administration services for a 2.5 MGD AADF (5.0 MGD buildout capacity) WRF with advanced wastewater treatment and public access reclaimed water system. The treatment process consisted of Ovivo oxidation ditch, conventional clarifiers, and disc filters with smart biological control technology. The project delivery method was CMAR. Kimley-Horn helped the owner obtain \$60 million in FDEP Protect Florida Together Grant funds for the construction of a new WRF.

Southwest Wastewater Reclamation Facility (SWWWRF), North Port, FL Project Manager. The Southwest Wastewater Reclamation (SWWWRF) is a 2.0 MGD Average Daily Flow (ADF) facility within the West Villages Improvement District (WVID). The project included construction plans and permitting through an underground injection control (UIC) program for a Class I industrial deep injection well (DIW) for the disposal of SWWWRF wet weather discharges and future membrane concentrate for the future WVID reverse osmosis (RO) water treatment plant (WTP). Extensive coordination was required with the City of North Port who currently owns and operates the facility. Additional coordination with permitting agencies included Southwest Florida Water Management District (SWFWMD), FDEP South District, U.S Army Corps of Engineers (USACE), FDEP/Health Department, FDEP/Sarasota County, and FDOT. Other aspects of the project involved drainage design, landscaping, electrical, instrumentation and controls as well as architectural and structural components.

This project was presented at the 14th Annual Southwest Florida Water and Wastewater Exposition in 2021.

Wildwood Wastewater Treatment Facility (WWTF) Headworks Rehabilitation and CEI, Wildwood, FL — Project Manager. Updated the existing headworks to handle peak flow and loads. The modifications of the existing headworks included the installation of a rotary drum screen, widening the existing headworks structure and relocating the stairwell, installing water booster pumps for adequate wash-down pressure, and installing a new flow meter.

Lake Wales Wastewater Treatment Facility Rehabilitation/Expansion, Lake Wales, FL — Project Manager and Engineer of Record. Kimley-Horn was responsible for all design, construction document preparations, permitting, SRF funding assistance, bid administration, and construction administration for the rehabilitation and expansion of an existing 1.9 MGD wastewater treatment facility. Rehabilitation items include new headworks fine screening system, new oxidation ditch rotors with smart biological nutrient reduction system, replacement of clarifier mechanisms, conversion of existing traveling bridge sand filter to disk filter system, rehabilitation of existing aerobic digester, addition of a new aerobic digester, rehabilitation of existing electrical system, and rehabilitation/enhancement of the SCADA system. Work included a permitting treatment capacity expansion to 2.19 MGD. The project construction was completed on time and under budget.

ADDITIONAL EXPERIENCE

- ***Water Reclamation Facility Rerating, Belleview, FL***
- ***Bee Ridge Water Reclamation Facility Septage Receiving Improvements, Sarasota, FL***

Professional Credentials

- Masters, Business Administration, University of Florida
- Masters, Civil Engineering, University of Florida
- Bachelors, Civil Engineering, University of Florida
- Bachelors, Technology, Regets College
- Professional Engineer in Florida, 65582

Special Qualifications

- 24 years of experience with municipal utility engineering, including utility relocation, master planning, collection/distribution system design, hydraulic computer modeling and analysis, and construction phasing and inspections
- Skilled project manager for utility relocation/expansion projects, collection system condition assessments, water and wastewater treatment facilities design, facility expansion plans, capacity analysis reports, and water use permits
- Software experience includes WaterCAD, SewerCAD, InfoWater, MS Project, BioWin, Hammer, and AutoCAD

Ashley Miele, PE

**Client Manager; Process Mechanical Design;
Construction Phase Services**

RELEVANT EXPERIENCE

Southwest Wastewater Reclamation Facility (SWWWRF), North Port, FL
Project Manager. The Southwest Wastewater Reclamation (SWWWRF) is a 2.0 MGD Average Daily Flow (ADF) facility within the West Villages Improvement District (WVID). The project included construction plans and permitting through an underground injection control (UIC) program for a Class I industrial deep injection well (DIW) for the disposal of SWWWRF wet weather discharges and future membrane concentrate for the future WVID reverse osmosis (RO) water treatment plant (WTP). Extensive coordination was required with the City of North Port who currently owns and operates the facility. Additional coordination with permitting agencies included Southwest Florida Water Management District (SWFWMD), FDEP South District, U.S Army Corps of Engineers (USACE), FDEP/Health Department, FDEP/Sarasota County, and FDOT. Other aspects of the project involved drainage design, landscaping, electrical, instrumentation and controls as well as architectural and structural components. **This project was presented at the 14th Annual Southwest Florida Water and Wastewater Exposition in 2021.**

Bee Ridge Interim Improvements Design-Build, Sarasota, FL — Deputy Project Manager and Project Engineer. The Bee Ridge Interim Improvements project is a compliance driven process improvements project for a 12.0 MGD water reclamation facility (WRF). Due to a recent consent order, the Bee Ridge WRF is required to convey treated effluent to a newly installed aquifer recharge well. Process modifications were required to reduce effluent total nitrogen and to mitigate formation of TTHMs. Improvements include developing an anoxic zone and internal recycle mix liquor pumps in a total of four of the six existing aeration basins. Additional improvements include the installation of a ammonia sulfate chemical feed and storage system. The project will be fully commissioned February 2022.

Manatee County 7.5-MGD North County Regional Water Reclamation Facility Flow Equalization Tank, Manatee County, FL — Project Engineer. This equalization tank project consists of design, permitting, and construction services for a new 3.0 MG equalization tank and associated appurtenances. Preliminary design included an evaluation of the various construction methods and equipment selection for the equalization tank, flow control, equalization pumping, odor control, and mixing. This task also included biological and hydraulic modeling of the pretreatment and biological processes to determine if the addition of the 3.0 MG equalization tank can increase the overall treatment capacity.

Southeast Water Reclamation Facility Internal Recycle Pump Replacement and Headworks Rehabilitation, Bradenton, FL — Project Engineer. The Southeast Water Reclamation Facility is a 12.6 MGD public access reuse facility. Kimley-Horn provided engineering services for internal recycle pump replacement, including the addition of new flow meters, replacement of internal piping, removal of valves internal to the aeration basin, and replacement with knife gate valves outside the walls. Our team also provided headworks rehabilitation at the SEWRF, which involved the replacement of aging mechanical bar screens, rehabilitation of the grit removal system, and structural rehabilitation of the channels and headworks structure in general. Kimley-Horn evaluated different types of mechanical bar screens and grit removal systems. We also provided a structural evaluation of the elevated concrete structure and made recommendations on the repairs. In addition, Kimley-Horn prepared preliminary design report, construction plans and specifications, FDEP permitting, and construction observation.

ADDITIONAL EXPERIENCE

- **DeSoto County Regional Wastewater Treatment Plant Expansion, DeSoto County, FL**



Professional Credentials

- Bachelors, Environmental Engineering, Roger Williams University
- Professional Engineer in FL, #66476

Special Qualifications

- Senior project manager with more than 23 years of experience
- Engineer of record for more than \$200 million of infrastructure improvement projects in Sarasota County
- Expertise includes design and management of water and wastewater infrastructure, pumping systems, subsurface utility relocation and permitting, hydraulic analyses, and feasibility studies for both public and private sector clients
- Experienced with permitting through all agencies, including FDEP, SWFWMD, FDOT, and ACOE and provides construction phase services, including contractor solicitation, bid analyses, management recommendations, site construction management, and quality control

Jeff Goodwin

Project Manager; Feasibility Evaluation; Permit Modification

RELEVANT EXPERIENCE

Charlotte County Utilities, FY 2022, FY 2023, FY 2024 Regulatory Compliance Water and Wastewater, Charlotte County, FL — Project Manager. Kimley-Horn was selected to perform the FY22 through FY24 regulatory compliance water and wastewater professional engineering support for CCUD. These services included tasks to evaluate and maintain CCUD's compliance with regulatory requirements as set out in the existing permits. Additionally, regulatory assistance was provided to prepare for regulatory changes and to modify existing practices to meet changing regulatory scrutiny. The regulatory compliance tasks included WRF and Inject Well permit renewals, water and wastewater treatment facilities audits, and capacity evaluations.

Manatee County 7.5-MGD North County Regional Water Reclamation Facility Flow Equalization Tank, Manatee County, FL — Project Manager. This equalization tank project consists of design, permitting, and construction services for a new 3.0 MG equalization tank and associated appurtenances. Preliminary design included an evaluation of the various construction methods and equipment selection for the equalization tank, flow control, equalization pumping, odor control, and mixing. This task also included biological and hydraulic modeling of the pretreatment and biological processes to determine if the addition of the 3.0 MG equalization tank can increase the overall treatment capacity.

Charlotte County Utilities Design Manual, Charlotte County, FL — Project Engineer. Kimley-Horn will prepare a draft outline of the Utility Design Manual (Manual) to review with the Charlotte County Utilities Department (CCUD) to develop format and content preferences. Utility manuals from surrounding counties will be used to help develop a table of contents and example layout. Kimley-Horn will also prepare a draft Manual that will include examples from surrounding counties as presented with the outline. The draft Manual will include highlighted processes and form fields to identify areas where the CCUD may wish to adopt a different standard or more clearly state the standard.

Del Prado Water Reclamation Facility (WRF) Effluent Disposal Improvements Professional Engineering & Geologist Services, Florida Governmental Utility Authority (FGUA), Fort Myers, FL — Project Manager for the design, permitting and construction of a Class I DIW system at the Del Prado WRF. The system is needed for disposal of excess treated effluent during wet weather conditions and consists of Class I DIW, a dual zone monitoring well. The above ground infrastructure includes the wellheads, piping, valves SCADA components, meters and other necessary appurtenance.

Babcock Ranch Phase 3 Water Treatment Plant Expansion Construction Phase Services, Babcock Ranch, FL — Project Manager for the Design and Construction portion of the Class I Deep Injection Well (DIW). Kimley-Horn is providing construction phase services supporting the Phase 3 expansion of the Babcock Ranch Community's Town and Country Water Treatment Plant (WTP). Current reverse osmosis concentrate disposal methods are proving inadequate to meet the needs of the facility. Construction of a Class I industrial DIW is required to dispose of the RO concentrate and protect the irrigation water supply for the community.

ADDITIONAL EXPERIENCE

- **Parrish Village Master Lift Station, Manatee County Utilities Department, Manatee County, FL**
- **Manatee County Southwest Water Reclamation Facility Rehabilitation of Storage Pond Pump Station, Manatee County, FL**



Professional Credentials

- Bachelor of Science, Biology, Guilford College, Greensboro, NC

Special Qualifications

- Experience managing large treatment facility projects from the public sector side. This gives him the unique advantage of understanding project goals, needs, and challenges from the client perspective
- Successfully obtained \$4.5 million in grants from agencies such as Southwest Florida Water Management District and the Florida Department of Environmental Protection
- Keen understanding of regulatory compliance process and negotiating permits from agencies including the Army Corps of Engineers, Southwest Florida Water Management District, Florida Department of Environmental Protection, and the Florida Department of Transportation

Doug Eckmann, PE, BCEE, DWRE

Quality Control/Quality Assurance Advisor

RELEVANT EXPERIENCE

Bay Laurel Center Community Development District (BLCCDD) 2.5-MGD Bay Laurel North Water Reclamation Facility (WRF), Marion County, FL — QC/QA Reviewer. Kimley-Horn provided design, permitting, and construction administration services for a 2.5 MGD AADF (5.0 MGD buildout capacity) WRF with advanced wastewater treatment capability, and public access reclaimed water system. The treatment process consisted of Ovivo oxidation ditch, conventional clarifiers, and disc filters with smart biological control technology. The project delivery method was CMAR. Kimley-Horn helped the owner obtain \$60 million in FDEP Protect Florida Together Grant funds for the construction of a new WRF.

West Villages Improvement District (WVID) Southwest Wastewater Reclamation Facility (SWWWRF), North Port, FL — Technical Advisor. The Southwest Wastewater Reclamation (SWWWRF) is a 2.0 MGD Average Daily Flow (ADF) facility within the West Villages Improvement District (WVID). The project included construction plans and permitting through an underground injection control (UIC) program for a Class I industrial deep injection well (DIW) for the disposal of SWWWRF wet weather discharges and future membrane concentrate for the future WVID reverse osmosis (RO) water treatment plant (WTP). Extensive coordination was required with the City of North Port who currently owns and operates the facility. Additional coordination with permitting agencies included Southwest Florida Water Management District (SWFWMD), FDEP South District, U.S Army Corps of Engineers (USACE), FDEP/Health Department, FDEP/Sarasota County, and FDOT. Other aspects of the project involved drainage design, landscaping, electrical, instrumentation and controls as well as architectural and structural components.

This project was presented at the 14th Annual Southwest Florida Water and Wastewater Exposition in 2021.

Water District Sewer Master Plan Update, Englewood, FL — Project Engineer. Kimley-Horn evaluated the Holiday Ventures lift stations capacity to determine the extent of the station upgrades and replacement. Kimley-Horn also completed a water reclamation site evaluation and a new facility site to compare the costs of improvements versus a new facility. Tasks included updating population and flows, site evaluations, system evaluations/improvement needs, cost comparison/improvements, and an engineering report.

Water Reclamation Facility, Vero Beach, FL — Professional Engineer. The City of Vero Beach is designing a new WRF to be constructed at the existing WTP site and plans to decommission the existing WWTF after startup. Kimley-Horn is serving as the lead process design engineer for the biological treatment process and nutrient removal, as well as all aspects of the membrane treatment (including blowers, pumps, motors, etc.). The project includes design, permitting, bidding services and ultimately, construction phase services. Supporting projects included development of an evaluation to determine the benefits of upgrading the existing wastewater treatment plant versus constructing a new facility at the WTP property, evaluation of best treatment technologies and preparation of a Preliminary Design Report once the MBR technology was selected.

ADDITIONAL EXPERIENCE

- **Program Management for Secondary Clarifier Rehabilitation at Central and South Advanced Wastewater Treatment Facility, Fort Myers, FL**
- **Utility Valuation, Marco Island, FL**
- **Southwest Wastewater Reclamation Facility (SWWWRF), Effluent Storage and Pump Station, North Port, FL**



Professional Credentials

- Masters, Business Management, Saint Edward's University
- Bachelors, Mechanical Engineering, Northwestern University
- Board Certified Water Resources Engineer, #00647, AAWRE
- Professional Engineer in Florida, #47259
- Board Certified Environmental Engineer, #88-10054, AAEEES

Special Qualifications

- Senior project manager for Kimley-Horn's Southwest Florida utility practice
- 40 years of experience with public wastewater collection, treatment, reuse, and residuals management; reclaimed water pumping, storage, and distribution; integrated water solutions; surface water management; water resources planning; and resiliency planning
- Leader of the engineering teams delivering \$113 million of improvements at treatment facilities

Steve Romano, PE

Feasibility Evaluation; Process Mechanical Design

RELEVANT EXPERIENCE

West Villages Improvement District (WVID) Southwest Wastewater Reclamation Facility (SWWWRF), North Port, FL — Engineer-of-Record. The Southwest Wastewater Reclamation (SWWWRF) is a 2.0 MGD Average Daily Flow (ADF) facility within the West Villages Improvement District (WVID). The project included construction plans and permitting through an underground injection control (UIC) program for a Class I industrial deep injection well (DIW) for the disposal of SWWWRF wet weather discharges and future membrane concentrate for the future WVID reverse osmosis (RO) water treatment plant (WTP). Extensive coordination was required with the City of North Port who currently owns and operates the facility. Additional coordination with permitting agencies included Southwest Florida Water Management District (SWFWMD), FDEP South District, U.S Army Corps of Engineers (USACE), FDEP/Health Department, FDEP/Sarasota County, and FDOT. Other aspects of the project involved drainage design, landscaping, electrical, instrumentation and controls as well as architectural and structural components. **This project was presented at the 14th Annual Southwest Florida Water and Wastewater Exposition in 2021.**

Bee Ridge Interim Improvements Design-Build, Sarasota, FL — QA/QC Reviewer. for compliance driven process improvements for the 12.0 MGD Water Reclamation Facility (WRF). Due to a recent consent order, the Bee Ridge WRF is required to convey treated effluent to a newly installed aquifer recharge well. Process modifications were required to reduce effluent total nitrogen and to mitigate formation of TTHMs. Improvements include developing an anoxic zone and internal recycle mix liquor pumps in a total of four of the six existing aeration basins. Additional improvements include the installation of an ammonia sulfate chemical feed and storage system. The project will be fully commissioned February 2022.

7.5-MGD North County Regional Water Reclamation Facility Flow Equalization Tank, Manatee County, FL — Project Engineer. This equalization tank project consists of design, permitting, and construction services for a new 3.0 MG equalization tank and associated appurtenances. Preliminary design included an evaluation of the various construction methods and equipment selection for the equalization tank, flow control, equalization pumping, odor control, and mixing. This task also included biological and hydraulic modeling of the pretreatment and biological processes to determine if the addition of the 3.0 MG equalization tank can increase the overall treatment capacity. Major piping modifications are required to incorporate the equalization tank into the treatment scheme.

Manatee County Southeast Water Reclamation Facility Storage Lakes and Reclaimed Pump Back Station Improvements, Manatee County, FL — Project Manager. The project included the design for the replacement of the two existing reclaimed water pump back stations for the Southeast Water Reclamation Facility (SEWRF) South 2 and East Reclaimed Water Storage Lakes. As part of our preliminary design efforts, Kimley-Horn evaluated several options to replace the existing reclaimed water pump back stations, while increasing the overall pumping capacity to 10.0 MGD, matching the capacity of the existing Lake Filtration System. Ultimately it was determined to design and construct one centralized pump station with a pumping rate of 10.0 MGD.

ADDITIONAL EXPERIENCE

- ***Wildwood Wastewater Treatment Facility Headworks Rehabilitation and CEI, Wildwood, FL***
- ***Plantation Bay Wastewater Treatment Facility Phase 1 Design and CEI, Flagler County, FL***
- ***Utilities Inc. of Florida Wekiva Hunt Club WRF Reliability Improvements, Apopka, FL***



Professional Credentials

- Bachelors, Engineering, University of Central Florida
- Professional Engineer in Arizona, #76631
- Professional Engineer in Florida, #57579

Special Qualifications

- Professional engineer with 28 years of experience as a consultant working in the water and wastewater industry
- Preparation of utility master plans, including facility plans, water plans, wastewater plans, reclaimed water plans, process studies, distribution studies, collection/transmission studies, asset management plans and DBP studies
- Wastewater facility experience includes the design of treatment facilities in new development areas, as well as major facility designs and expansions to existing systems involving headworks, equalization, biological treatment, clarification, filtration, disinfection, digestion, drying, and disposal

Madeline Kender, PE

Feasibility Evaluation; Process Mechanical Design;
Permit Modification

RELEVANT EXPERIENCE

Desoto County Regional Wastewater Treatment Plant Expansion, Desoto County, FL — Project Manager. Kimley-Horn has been contracted by Desoto County for a two-phase design project to expand the Regional Wastewater Treatment Plant from 0.95 MGD to 1.4 MGD and ultimately to 2.0 MGD. The project leverages design principles similar to those used at Burnt Store WRF, incorporating essential upgrades and enhancements utilizing the DAVCO package plants. Key components of the project include headworks upgrades, flow splitting provisions, additional biological capacity, disinfection upgrades, and remediation of the effluent spray field. Additionally, the design anticipates future deep injection well disposal capabilities to accommodate the growing demands of the community. This project remains active, with Madeline leading all aspects of the design, ensuring that the expansion meets both current and future operational needs.

Southwest Wastewater Reclamation Facility, North Port, FL — Project Engineer. The Southwest Wastewater Reclamation (SWWWRF) is a 2.0-MGD Average Daily Flow (ADF) facility within the West Villages Improvement District (WVID). The project included construction plans and permitting through an underground injection control (UIC) program for a Class I industrial deep injection well (DIW) for the disposal of SWWWRF wet weather discharges and future membrane concentrate for the future WVID reverse osmosis (RO) water treatment plant (WTP). Extensive coordination was required with the City of North Port who currently owns and operates the facility. Additional coordination with permitting agencies included Southwest Florida Water Management District (SWFWMD), FDEP South District, U.S Army Corps of Engineers (USACE), FDEP/Health Department, FDEP/Sarasota County, and FDOT. Other aspects of the project involved drainage design, landscaping, electrical, instrumentation and controls as well as architectural and structural components. **This project was presented at the 14th Annual Southwest Florida Water and Wastewater Exposition in 2021.**

Bee Ridge Water Reclamation Facility Interim Process Improvements - Design/Build Project, Sarasota, FL — Project Engineer. Kimley-Horn provided professional engineering services to enhance biological process at the WRF. Kimley-Horn performed wastewater characterization and biological process modeling (BioWin) to support the development of fast-track improvements needed to reduce nitrogen effluent. Kimley-Horn designed improvements for three of the four basins and fast-tracked efforts with 90% plans and preliminary engineering report completed within 90 days of NTP. Construction was completed in May 2022 and Kimley-Horn provided technical services during construction and commissioning services. An additional phase of work was added to the project to design and construct chloramination of effluent to reduce THM's in the effluent.

FY 2021 Water and Wastewater Regulatory Compliance, Charlotte County, FL Project Engineer. Kimley-Horn supported the annual regulatory compliance services to the County for the water and wastewater systems. The project included performing treatment plant audits, reviewing reporting to FDEP and SWFWMD quarterly for the four WRFs and one WTP, and assisting the County with all FDEP correspondence. Facility inspections are conducted annually to confirm components are compliant and recommendations are provided in the Audit Report. Additional tasks included in the project include wastewater FDEP operations permit modification applications and permit renewals, compliance assistance related to FDEP actions.

ADDITIONAL EXPERIENCE

- **Manatee County Southeast Water Reclamation Facility (SEWRF) Storage Lakes and Reclaimed Pump Back Station Improvements, Manatee County, FL**
- **Englewood Water District (EWD) Water Reclamation Facility (WRF) New Headworks, Englewood, FL**



Professional Credentials

- Bachelors, Civil and Environmental Engineering, University of South Florida
- Professional Engineer in Florida, 91111
- Pipeline Assess & Cert, u-0418-0703001435, NAT

Special Qualifications

- Dedicated local task manager responsible for documentation control on WRF projects, which is integral for fast-track design
- Experience with alternative delivery methods
- Specializes in water/wastewater engineering
- Working knowledge of AutoCAD, WaterCAD, SewerCAD, and GIS
- Experienced with permitting through agencies including FDEP, SWFWMD, FDOT, and ACOE and provides construction phase services, including contractor solicitation, bid analyses, and quality control



Dan Bornmann, EIT

Feasibility Evaluation; Process Mechanical Design; Construction Phase Services

RELEVANT EXPERIENCE

Charlotte County Utilities Facilities Audit Reports, Charlotte County, FL – Project Engineer. Kimley-Horn has been engaged over the past four years under regulatory compliance contracts to conduct comprehensive audit reports for Charlotte County Utilities, covering all major facilities, including Burnt Store WRF, East Port WRF, Rotonda WRF, West Port WRF, the Leachate Facility, Burnt Store ROWTP, and the laboratory. Each audit provided an in-depth overview of facility backgrounds and processes, followed by detailed inspections conducted in collaboration with chief operators to assess permit compliance and operational effectiveness. The audits evaluated the condition of all processes and equipment, with findings documented to identify areas requiring attention. Additionally, historical DMR data was analyzed to compare performance against permitting requirements, facilitating the identification of compliance trends and potential issues. The reports concluded with recommendations for necessary repairs and operational enhancements. Dan was responsible for overseeing all aspects of the audit process, including inspections, report preparation, and ensuring that the findings met regulatory standards to support the ongoing efficiency of the county's wastewater treatment infrastructure.

Desoto County Regional Wastewater Treatment Plant Expansion, Desoto County, FL Project Engineer. Kimley-Horn has been contracted by Desoto County for a two-phase design project to expand the Regional Wastewater Treatment Plant from 0.95 MGD to 1.4 MGD and ultimately to 2.0 MGD. The project leverages design principles similar to those used at Burnt Store WRF, incorporating essential upgrades and enhancements utilizing the DAVCO package plants. Key components of the project include headworks upgrades, flow splitting provisions, additional biological capacity, disinfection upgrades, and remediation of the effluent spray field. Additionally, the design anticipates future deep injection well disposal capabilities to accommodate the growing demands of the community. This project remains active, with Dan involved in all aspects of the process design, ensuring that the expansion meets both current and future operational needs.

Sarasota County Bee Ridge Water Reclamation Facility (WRF) Interim Process Improvements - Design/Build Project, Sarasota, FL – Project Engineer. As part of a design-build team, Kimley-Horn provided professional engineering services to enhance the 12.0 MGD biological treatment process at the Bee Ridge WRF. The project successfully reduced nitrogen effluent through fast-tracked improvements, supported by wastewater characterization and biological process modeling (BioWin). Kimley-Horn designed upgrades for three of the facility's four basins and delivered 90% design plans and a preliminary engineering report within 90 days of Notice to Proceed. Throughout construction, the team conducted weekly site observations and produced progress reports to ensure seamless execution. Kimley-Horn provided technical support during construction and commissioning, with Dan playing a key role in delivering the project successfully.

City of Fort Myers Program Management Services for Secondary Clarifier Rehabilitation at AWWTFs, Fort Myers, FL – Project Engineer. Kimley-Horn, serving as the Design Consultant in partnership with Wharton-Smith as the Builder, was selected by the City of Fort Myers for Program Management services under a progressive design-build project delivery model. The project involved rehabilitating clarifiers at the 11.0 MGD Central and 12.0 MGD South AWWTFs, each featuring four 105 ft. diameter clarifiers. These clarifiers are integral to the facility's 5-stage Bardenpho process, and the rehabilitation required taking individual clarifiers offline, which posed a challenge for maintaining plant performance. Kimley-Horn's role included concrete and structural restoration of the clarifier basins, repairs to the sludge collector mechanisms, and phased execution to ensure minimal disruption to facility operations. Dan contributed to the technical research and report development, assessing structural integrity and investigating options for optimizing clarifier performance.

ADDITIONAL EXPERIENCE

- **Charlotte County Utilities Operation and Maintenance Manuals, Charlotte County, FL**
- ***Osprey WRF Biological Nutrient Removal Upgrade Project, Titusville, FL**
- ***City of Punta Gorda WWTP Design, Permitting and CMAR Coordination, Punta Gorda, FL**

** Relevant experience prior to joining Kimley-Horn*

Professional Credentials

- Bachelors, Agricultural Engineering, University of Georgia
- Engineer-in-Training in Georgia, EIT027642

Special Qualifications

- Extensive experience with municipal and industrial wastewater treatment operations for facilities within Florida
- Six years of experience in wastewater process design, modeling, permitting, and construction startup
- Previous experience as a wastewater operator provides him with a practical understanding of the field's complexities
- Skilled with software including BioWin, Visual Hydraulics, AutoCAD Civil 3D, and SketchUp



Matthew Tebow, PE

Process Mechanical Design

RELEVANT EXPERIENCE

Cape Coral Southwest Water Reclamation Facility Process Evaluation and Optimization Analysis, Cape Coral, FL — Project Manager. Kimley-Horn created hydraulic and biological process models of the 15.0 MGD Southwest Water Reclamation Facility and conducted a detailed evaluation of the hydraulic and biological process performance. The biological process and hydraulic models investigate the likely impact of different operational strategies and/or changes to the process configuration. The goal of the analysis is to evaluate process modifications that will result in increased biological nutrient reduction, reduce chemical use, and increase energy efficiency at the WRF.

This project was awarded the 2021 Advanced Secondary Earle B. Phelps Award winner as presented in the Florida Water Resources Journal.

Southwest Wastewater Reclamation Facility (SWWWRF), North Port, FL Project Engineer. The Southwest Wastewater Reclamation (SWWWRF) is a 2.0 MGD Average Daily Flow (ADF) facility within the West Villages Improvement District (WVID). The project included construction plans and permitting through an underground injection control (UIC) program for a Class I industrial deep injection well (DIW) for the disposal of SWWWRF wet weather discharges and future membrane concentrate for the future WVID reverse osmosis (RO) water treatment plant (WTP). Extensive coordination was required with the City of North Port who currently owns and operates the facility. Additional coordination with permitting agencies included Southwest Florida Water Management District (SWFWMD), FDEP South District, U.S Army Corps of Engineers (USACE), FDEP/Health Department, FDEP/Sarasota County, and FDOT. Other aspects of the project involved drainage design, landscaping, electrical, instrumentation and controls as well as architectural and structural components. **This project was presented at the 14th Annual Southwest Florida Water and Wastewater Exposition in 2021.**

Village of Wellington 6.5-MGD Wastewater Treatment Facility Upgrades and Rehabilitation, Wellington, FL — Project Manager for engineering design and construction phase services for a variety of upgrades to the Village of Wellington's 6.5 MGD WWTF. The project included a new blower building, new aerobic digesters, new belt filter press feed pumps, new dryer feed cake pump, new clarifier mechanism, odor control system improvements, refurbishing the headworks and grit equipment, improved walkways/platforms/handrailing, the addition of a filter, upgraded/new operator facilities, dewatered sludge pumping, and associated electrical/control improvements.

Bee Ridge Interim Improvements Design-Build, Sarasota, FL — Project Engineer for compliance driven process improvements for the 12.0 MGD Water Reclamation Facility (WRF). Due to a recent consent order, the Bee Ridge WRF is required to convey treated effluent to a newly installed aquifer recharge well. Process modifications were required to reduce effluent total nitrogen and to mitigate formation of TTHMs. Improvements include developing an anoxic zone and internal recycle mix liquor pumps in a total of four of the six existing aeration basins. Additional improvements include the installation of an ammonia sulfate chemical feed and storage system.

ADDITIONAL EXPERIENCE

- ***Water Reclamation Facility, Vero Beach, FL***
- ***Ocala WRF #3 Facility Plan, Ocala, FL***
- ***7.5-MGD North County Regional Water Reclamation Facility Flow Equalization Tank, Manatee County, FL***
- ***Babcock Ranch Water Reclamation Facility Phase 3 Expansion, Babcock Ranch, FL***

Professional Credentials

- Masters, Civil Engineering, University of Florida
- Bachelors, Civil Engineering, University of Florida
- Professional Engineer in Florida, 82414

Special Qualifications

- Responsible for creating wastewater process and hydraulic models including wastewater characterization, calibration, and analysis for process improvements, expansions, rehabilitation, and new infrastructure at wastewater treatment facilities
- Water resources engineer with 20 years of utility engineering and project management experience
- Software experience includes: BioWin, BioWin Controller, Visual Hydraulics SewerGEMS, WaterGEMS, SewerCAD, WaterCAD, AutoCAD Civil3D, AutoCAD MEP, AutoCAD 3DS Max, ArcGIS, ArcSceneHydraulic Modeling

Jordan Walker, PE

Process Mechanical Design

RELEVANT EXPERIENCE

Bee Ridge WRF Septage Receiving Improvements, Sarasota, FL — Project Engineer. Under the Sarasota County continuing services contract, Kimley-Horn provided design engineering services to rehabilitate and improve the current septage receiving facility at the Sarasota County Bee Ridge WRF. The project included the replacement of the existing septage receiving units with new equipment and adding a chopper pump inline prior to the screens. The improvements also included the addition of a new concrete pre-cast control building, electrical improvements that consisted of internet connection, and SCADA control and inclusion of new security cameras for the treatment plant site.

Southeast Water Reclamation Facility (SEWRF) Storage Lakes and Reclaimed Pump Back Station Improvements, Manatee County, FL — Project Engineer. The project included the design for the replacement of the two existing reclaimed water pump back stations for the SEWRF South 2 and East Reclaimed Water Storage Lakes. As part of our preliminary design efforts, Kimley-Horn evaluated several options to replace the existing reclaimed water pump back stations, while increasing the overall pumping capacity to 10.0 MGD, matching the capacity of the existing Lake Filtration System. Ultimately it was determined to design and construct one centralized pump station with a pumping rate of 10.0 MGD. New intake pipes from the East and South 2 Reclaimed Storage Lakes were required, including relocation of the existing reclaimed water intake structures. The new reclaimed pump back station is located adjacent to South Lake 2 Reclaimed Storage Lake. New 24-inch discharge piping, approximately 3,500 LF, from the reclaimed pump station to the Lake Filtration System was required.

Mid-County Wastewater Treatment Plant Headworks and Grit Removal Improvements, St. Petersburg, FL — Project Engineer. Kimley-Horn provided general engineering services for the design, permitting, and construction phase services for a new headworks structure, including fine screening and grit removal system, in a standalone configuration located at the Mid-County WWTP for a rated capacity of 3 MGD. The existing static screen is undersized and only provides coarse screening. The proposed fine screens will be compatible with the proposed MBR conversion and will be sized to handle peak hour flows received at the Mid-County WWTP. The screened wastewater will flow into the grit chamber for grit removal prior to conveyance to the surge tanks. The design of the screen and grit removal system includes associated piping and instrumentation improvements to operate the system. The design also includes site improvements such as grading modifications, demolition, site lighting, and truck access paths.

Plantation Bay Wastewater Treatment Facility (WWTF) Phase 1 Design and CEI, Flagler County, FL — Project Engineer. Kimley-Horn provided process design, construction administration services, and SRF loan administration assistance for the Class 1 reliability improvements and capacity expansion of the 0.475 MGD DAVCO-style Plantation Bay WWTF. The project also includes construction of a new MCC building and associated electrical equipment. Project services include data collection, construction plans and specifications preparation, bid administration, and SRF construction loan administration assistance. Kimley-Horn assisted the County with securing a \$5.7 million SRF loan to fund construction of the WWTF expansion project. Additionally, Kimley-Horn was able to secure another \$500,000 St. Johns River Water Management District REDI grant for this project.

ADDITIONAL EXPERIENCE

- ***7.5-MGD North County Regional Water Reclamation Facility Flow Equalization Tank, Manatee County, FL***
- ***Dunn Water Reclamation Facility Ditch Erosion Repair, Pinellas County, FL***



Professional Credentials

- Masters, Water Resources, University of Florida
- Bachelors, Civil Engineering, University of Florida
- Professional Engineer in Georgia, PE049428
- Professional Engineer in Texas, 145934

Special Qualifications

- Water resources engineer with 13 years of experience
- Proficient with planning, design, permitting, and construction of water and wastewater collection, transmission, treatment, and disposal systems
- Worked for the St. Johns River Water Management District and involved with water resources and supply, permit coordination, and groundwater use allocation
- Expertise with complex geospatial database management of large water resources systems such as wastewater collection or water distribution networks

Jennifer Klama, Notary

Permit Modification

RELEVANT EXPERIENCE

Charlotte County Utilities, FY 2022, FY 2023, FY 2024 Regulatory Compliance Water and Wastewater, Charlotte County, FL — Deputy Project Manager. Kimley-Horn was selected to perform the FY21 and FY22 regulatory compliance water and wastewater professional engineering support for CCUD. These services included tasks to evaluate and maintain CCUD's compliance with regulatory requirements as set out in the existing permits. Additionally, regulatory assistance was provided to prepare for regulatory changes and to modify existing practices to meet changing regulatory scrutiny. The regulatory compliance tasks included WRF and Inject Well permit renewals, water and wastewater treatment facilities audits, and capacity evaluations.

Charlotte County Utilities Facilities Audit Reports, Charlotte County, FL — Administrative Support. Kimley-Horn has been engaged over the past four years under regulatory compliance contracts to conduct comprehensive audit reports for Charlotte County Utilities, covering all major facilities, including Burnt Store WRF, East Port WRF, Rotonda WRF, West Port WRF, the Leachate Facility, Burnt Store ROWTP, and the laboratory. Each audit provided an in-depth overview of facility backgrounds and processes, followed by detailed inspections conducted in collaboration with chief operators to assess permit compliance and operational effectiveness. The audits evaluated the condition of all processes and equipment, with findings documented to identify areas requiring attention. Additionally, historical DMR data was analyzed to compare performance against permitting requirements, facilitating the identification of compliance trends and potential issues. The reports concluded with recommendations for necessary repairs and operational enhancements. Jennifer was responsible for keeping the project schedule on track including coordination, report preparation, and ensuring that the findings met regulatory standards to support the ongoing efficiency of the County's wastewater treatment infrastructure.

Southwest Wastewater Reclamation Facility (SWWWRF), North Port, FL — Permitting Assistance. The Southwest Wastewater Reclamation (SWWWRF) is a 2.0 MGD Average Daily Flow (ADF) facility within the West Villages Improvement District (WVID). The project included construction plans and permitting through an underground injection control (UIC) program for a Class I industrial deep injection well (DIW) for the disposal of SWWWRF wet weather discharges and future membrane concentrate for the future WVID reverse osmosis (RO) water treatment plant (WTP). Extensive coordination was required with the City of North Port who currently owns and operates the facility. Additional coordination with permitting agencies included Southwest Florida Water Management District (SWFWMD), FDEP South District, U.S Army Corps of Engineers (USACE), FDEP/Health Department, FDEP/Sarasota County, and FDOT. Other aspects of the project involved drainage design, landscaping, electrical, instrumentation and controls as well as architectural and structural components. **This project was presented at the 14th Annual Southwest Florida Water and Wastewater Exposition in 2021.**

17th Street Regional Park, Sarasota, FL — Permitting Assistance. Kimley-Horn provided full design services for the 17th Street Regional Park. The park design included (3) 300' adult softball fields, (8) 220' youth softball fields, and eight multi-purpose fields for soccer, lacrosse, and football. The park design provided much-needed facilities for youth sports within the County but was also designed to host major tournaments to bolster the growing sports tourism industry. The design process included stakeholder engagement, programming, and master planning through construction documents and permitting. Services included civil engineering, landscape architecture, architecture, sports field design, irrigation design, structural design, electrical design, and environmental.

Boca Grande CDBG-MIT Grant Assistance, Punta Gorda, FL — Administrative Support. Kimley-Horn assisted the City of Punta Gorda with the application and approval for a CDBG-MIT grant (Boca Grande Area Water Quality Improvement Project) in the amount of \$2,521,250.00 to increase community resiliency and provide necessary flood control and water quality treatment of stormwater runoff from the Boca Grande neighborhood.

ADDITIONAL EXPERIENCE

- **ERP Permitting for Peace River Manasota Regional Water Supply Authority Phase 2B Pipeline, Sarasota County, FL**
- **West Villages Improvement District Regulatory Compliance Assistance, Venice, FL**
- **FDOT I-75 Rest Area Feasibility Study, Broward County, FL**



Professional Credentials

- Bachelors, Psychology, Florida State University
- Notary in Florida, HH 372855

Special Qualifications

- Permit modifications for Sarasota County Utilities North Master Reuse System, including permit modifications to change capacity and monitoring well relocations
- Obtained permits for Sarasota County Utilities, Charlotte County Utilities, and City of North Port
- Performed Charlotte County Utilities Regulatory Compliance by producing the past year's quarterly update reports, Environmental Resource Permit inspections, oversight and improvement developments of the dashboard to ensure all Consent Order deadlines are met



Mike Semago, PE

Construction Phase Services

RELEVANT EXPERIENCE

Bee Ridge Water Reclamation Facility Septage Receiving Improvements, Sarasota, FL — Project Engineer. Under the Sarasota County continuing services contract, Kimley-Horn provided design engineering services to rehabilitate and improve the current septage receiving facility at the Sarasota County Bee Ridge WRF. The project included the replacement of the existing septage receiving units with new equipment and adding a chopper pump inline prior to the screens. The improvements also included the addition of a new concrete pre-cast control building, electrical improvements that consisted of internet connection, and SCADA control and inclusion of new security cameras for the treatment plant site.

7.5-MGD North County Regional Water Reclamation Facility (NCRWRF) Flow Equalization Tank, Manatee County, FL — Project Engineer and Construction Observation. The project consists of constructing three 1.0 MG equalization storage tanks at the North Water Reclamation Facility (NWRWF), 8500 69th Street East, Palmetto, FL. In addition to the equalization tanks, the project includes a new equalization return pump station, site piping improvements, flow splitter box modifications, prefabricated electrical/storage building, platform, walkway, stairs, demolition, electrical, instrumentation, and controls.

Southeast Wastewater Reclamation Facility (SEWRF) Internal Recycle Pump Replacement/Headworks Rehabilitation, Bradenton, FL — Project Engineer. Kimley-Horn provided engineering services for the upgrades related to the WWTF's internal recycle pumping system including pump replacement, the addition of new flow meters, major replacement of internal piping, and removal of valves internal to the aeration basin to be replaced with knife gate valves outside the walls. The various replacement and rehabilitation components of this design included a detailed review of the operation to ensure the project's components are appropriate for the intended operation of the facility.

7.5-MGD North County Regional Water Reclamation Facility (NCRWRF) Headworks, Clarifiers, and Chlorine Contact Chamber Improvements, Bradenton, FL — Project Engineer. This project consisted of design and construction services for the rehabilitation and replacement of existing equipment in the headworks, anoxic/aerobic basin, secondary clarifiers, and chlorine contact chamber. The headworks design consisted of an additional grit removal system, rehabilitation of the odor control system, trash chute improvements, and structural access modifications. This task also included hydraulic modeling to determine pump selections for the grit removal system and yard piping modifications for the returned activated sludge influent. The anoxic/aerobic basin design included the replacement of existing gates. The clarifier design included the replacement of the existing clarifier suction-tube mechanism with a spiral rake blade mechanism, recoating of concrete surfaces, as well as the replacement of gates, baffles, weirs, and catwalks. The chlorine contact chamber design included the recoating of the concrete surfaces, yard piping modifications, installation of submersible chemical injection mixers, FRP tank covers, level transducers, gates, sampling pumps, and valve replacements.

ADDITIONAL EXPERIENCE

- ***South Pasadena Reclaimed Water Relocation, Pinellas County, FL***
- ***Force Main 15D Rehabilitation, Manatee County, FL***
- ***General Utility Services (includes Anna Maria Island), Manatee County, FL***
- ***Engineering Services (Force Main 3, Force Main 5), St. Pete Beach, FL***

Professional Credentials

- Bachelors, Civil and Environmental Engineering, University of Central Florida
- Professional Engineer in Florida, #87501

Special Qualifications

- Water resources engineer with 12 years of experience serving municipal clients throughout Florida
- Specializes in water and wastewater pipeline design, pump stations, WaterCAD, SewerCAD, and construction observation
- Experience includes the planning, design, permitting, and construction of water, wastewater, and reclaimed water collection, transmission, treatment, and disposal systems
- Prepared wastewater water master plans that have included hydraulic modeling and forecasting of future flows
- Proficient in AutoCAD Civil3D, Revit, MEP, Boreaid, Math Cad, Solid Works, and Primavera P6



Ramon Diaz

Construction Phase Services

RELEVANT EXPERIENCE

Bee Ridge Water Reclamation Facility (WRF) Septage Receiving Improvements, Sarasota, FL — Team Member. Under the Sarasota County continuing services contract, Kimley-Horn provided design engineering services to rehabilitate and improve the current septage receiving facility at the Sarasota County Bee Ridge Water Reclamation Facility. The project included the replacement of the existing septage receiving units with new equipment and adding a chopper pump inline prior to the screens. The improvements also included the addition of a new concrete pre-cast control building, electrical improvements that consisted of internet connection, and SCADA control and inclusion of new security cameras for the treatment plant site.

Southwest Wastewater Reclamation Facility (SWWWRF), North Port, FL — Team Member. The Southwest Wastewater Reclamation (SWWWRF) is a 2.0 MGD Average Daily Flow (ADF) facility within the West Villages Improvement District (WVID). The project included construction plans and permitting through an underground injection control (UIC) program for a Class I industrial deep injection well (DIW) for the disposal of SWWWRF wet weather discharges and future membrane concentrate for the future WVID reverse osmosis (RO) water treatment plant (WTP). Extensive coordination was required with the City of North Port who currently owns and operates the facility. Additional coordination with permitting agencies included Southwest Florida Water Management District (SWFWMD), FDEP South District, U.S Army Corps of Engineers (USACE), FDEP/Health Department, FDEP/Sarasota County, and FDOT. Other aspects of the project involved drainage design, landscaping, electrical, instrumentation and controls as well as architectural and structural components. **This project was presented at the 14th Annual Southwest Florida Water and Wastewater Exposition in 2021.**

Peace River Manasota Regional Water Supply Authority Regional Integrated Loop Phase 2B Pipeline (42-inch Potable Water Transmission Main), Charlotte County, FL — Team Member to provide support services via a design-build delivery method for approximately 13 miles of 42-inch potable water transmission main. The proposed transmission main will connect to the termination point of the PRMRWSA Phase 2A Pipeline, extend west along the border of Charlotte and Sarasota Counties, and proceed south to terminate at the Charlotte County Gulf Cove Booster Pump Station (BPS). The pipeline is anticipated to be constructed using a combination of construction methodologies, including open trench, horizontal directional drill, and jack and bore. The connection to the Charlotte County Gulf Cove BPS is anticipated to be at the existing inlet piping to the ground storage tank. The proposed onsite piping is configured to accommodate future tanks on either side of the existing GST. review, pay application review, responding to requests for information, contract closeout, and record drawings.

Peace River Interconnect and Potable Water Main and Pump Station No. 5 Improvements (Phase 1), Sarasota County, FL — Team Member. The Kimley-Horn team was selected to provide design and construction phase services for 5 miles of 30-inch and 36-inch potable water transmission main that connects to the termination point of Phase 3B and runs west along Clark Road and northwest along Proctor Road to Pump Station Number 5. The route includes various wetlands; critical crossings such as Cow Pen Slough, Philippi Creek, and Interstate I-75; and schools, churches, and an FPL transmission station. The pipeline will be constructed with a combination of construction methodologies, including open trench, horizontal directional drill, and jack and bore.

ADDITIONAL EXPERIENCE

- ***Lakewood Ranch Boulevard 16-inch Water Main Extension, Sarasota, FL***
- ***Wellen Park Village G, Construction Phase Services North Port, FL***
- ***Beachwalk Phase 2, Construction Phase Services, Sarasota, FL***
- ***Southwest Water Treatment Plant (WTP) High Service Booster Pump Station and Storage Facilities, North Port, FL***

Professional Credentials

- Bachelor of Science, Civil Engineering, Polytechnic University of Puerto Rico
- OSHA 10 Hour in Florida, 13478_1862787

Special Qualifications

- More than 25 years of experience in all facets of the utility construction industry
- Previous experience working as a utility project manager and inspector for Sarasota County
- Extensive knowledge of the Sarasota County staff and rules and regulation requirements
- Successful foreman in the construction industry for over 13 years
- Provides constructability reviews for utility CIP and development services design plans



John Wujek, PE

Electrical, Instrumentation and Control

RELEVANT EXPERIENCE

DeSoto County Regional Wastewater Treatment Plant Expansion, DeSoto County, FL — Engineer of Record for electrical power and instrumentation and controls system for an expansion of the WWTP to double the capacity of the facility. Electrical improvements included new power distribution system with new standby generator, transfer switch and power distribution. The SCADA control system was replaced with a new system including field mounted PLCs. The power and SCADA systems were sized to accommodate future improvement for a Deep Injection Well.

Pinellas County Public Works, Phillippe Park Wastewater Collection System Improvements, Clearwater, FL — Engineer of Record for electrical power and controls for five lift stations with duplex pumps. Provided control panels with VFDs and SCADA control panels throughout the park.

Consumptive Use Permit (CUP) Modification and Well Relocation, Neptune Beach, FL — Electrical Engineer. The City of Neptune Beach operated a water treatment plant that received source water from the Floridan Aquifer (UFA) system via four production wells. The City retained Kimley-Horn to develop the CUP permit renewal application, which included a request to relocate Well No. 2 due to calcification and reduced permeability of the formation. Kimley-Horn coordinated the renewal of the City of Neptune Beach's consumptive use permit through the St. Johns River Water Management District (SJRWMD). This included preparing population projections and water use demands for the next 20 years. Our services included preparing numerical groundwater models to evaluate potential impacts to the groundwater resource, and other legal users and sensitive environmental habitats in response to the proposed groundwater withdrawals. Additionally, Kimley-Horn performed a feasibility study to relocate one of the City's water supply wells. This included identifying candidate well sites, evaluating drawdown, and calculating the radius of influence. The Kimley-Horn team also prepared design and construction specifications for the proposed well and pipeline system to convey water to the City's water treatment plant.

FDA Wastewater Treatment Facility, Litchfield, MN — Engineer of Record for electrical power design and instrumentation and controls system for a dairy production waste stream pre-treatment facility that included 1MW cogeneration generator operating off biogas produced from the waste stream treatment.

Wastewater Treatment Facility Improvements, Vincennes, IN — Electrical engineer for wastewater facilities upgrade to handle average daily flow from 8 MGD to 22 MGD. John designed a plant-wide SCADA system comprised of PC operator workstations connected to PLC's located in various process locations at the treatment facility. A new telemetry system was designed for monitoring 14 lift stations. The plant SCADA system was designed to communicate via Ethernet between PLC's and SCADA computer workstations. The Ethernet LAN utilized a standard UTP CAT 5 switch and cost effective UTP to fiber converters to allow noise immune data communications to PLC's and workstations. A new telephone distribution system was designed for the facility to allow voice communications to all buildings.

Three Rivers Filtration Plant Filter Backwash Modifications, Fort Wayne, IN Electrical engineer for the design of a new 200 HP washwater supply pump for the filtration plant to allow for extended backwash of sand filters. The washwater pump motor was designed with a 480 Volt Solid State Reduced Voltage Starter with across-the-line bypass. A PLC control system was designed to control the washwater pump based on water tank level in the washwater supply tank. The control system was designed with the future capability of being connected via digital communications to the Owners' PLC system. Power for the pump was provided from 2,400 volt switchgear and stepped down through a transformer to 480 volts.

Professional Credentials

- Bachelors, Electrical Engineering, Ohio Northern University
- Professional Engineer in Florida, 64930
- Professional Engineer in Hawaii, Indiana, Kentucky, Maine, Massachusetts, Michigan, Minnesota, Missouri, New Mexico, New York, North Carolina, Oregon, South Carolina, Tennessee, Virginia, West Virginia, Wisconsin

Special Qualifications

- Worldwide expertise assessing facilities based on operational, environmental, constructability, and maintainability factors unique to the facility
- Skilled in managing projects and providing client service to build consensus to move teams and projects forward to completion
- Experienced with several project delivery methods including design-bid-build, design-build, Construction Manager as Constructor (CMC), and owner procure-contractor install



Ian Flemings, PE, LEED GA

Mechanical, Electrical and Plumbing (MEP)

RELEVANT EXPERIENCE

Living Wellen Park, North Port, FL — Project Engineer. Kimley-Horn provided professional engineering services for the Wellen Park in the City of North Port, Sarasota County. Electrical engineering services consisted of the design for the power and exterior lighting systems for the project including load calculations, riser diagrams, luminaire schedules, fault current calculation, drawings, and specifications. Project tasks included the preparation of a lighting plan to show locations and fixture types for the roadway/parking lot, low voltage landscape light fixtures for palm/tree up lighting in amenity areas, low voltage lighting transformer selection and proposed locations.

Johnson Pope MEP for Rivergate Tower Interior Renovation, Tampa, FL

Project Engineer. Kimley-Horn provided mechanical, electrical, plumbing, and fire protection engineering services for multiple floors of the Rivergate Tower. The project team completed due diligence and preliminary engineering phases, produced construction documents, assisted with permitting, and provided construction phase services. The project specified reuse of the existing HVAC systems, so the project team evaluated the existing ductwork for reuse. The team also rebalanced existing ventilation for the needs of this renovation.

501 W. Church St Renovations, Orlando, FL — Project Engineer. Kimley-Horn provided mechanical, electrical, plumbing, and fire protection services for the repositioning an existing building located at 501 W Church Street. Electrical systems were provided with meter center and empty conduits as needed for future tenant connection. Plumbing systems were provided with sanitary, vent, and water stub-ins to the space and capped for future tenant connection. Fire protection and alarm services were provided per FL Statute 61-G15. Additional tasks included preparing schematic design narratives describing the proposed MEP/FP systems and required sizing for mechanical/electrical equipment rooms, preparation of construction documents, permitting assistance, and construction phase services.

Miami Beach 41st Street Booster Rehabilitation Project, Miami Beach, FL

Project Engineer. Kimley-Horn provided professional services associated with preparation of a Preliminary Engineering Report (PER) for the rehabilitation of the City of Miami Beach's 41st Street Booster Pump Station. The City wanted to replace existing equipment and systems throughout the booster pump station. Additionally, the City wished to implement other improvements specifically related to hardening and resiliency that was funded via a \$900,000 grant issued by the Florida Department of Economic Development (DEO). The DEO grant was awarded under the Critical Facility Hardening Program where eligible projects seek to harden facilities serving a public safety purpose. This project improved the resilience of this facility by installing a new back-up power generator above the 500-year floodplain elevation, providing improvements to the ventilation and AC systems, site accessibility, and storm proofing with the replacement of windows and doors with hurricane proof selections.

ADDITIONAL EXPERIENCE

- **Load Study, Charlotte County, FL**
- **Blue Ridge-Salford North Vacuum Pump Station, North Port, FL**
- **Central Water Reclamation Facility Upgrades, Fort Myers, FL**
- **South Water Reclamation Facility Upgrades, Fort Myers, FL**
- **Southwest Recreation Aquatic Center Redesign, Largo, FL**
- **Toho South Bermuda Water Reclamation Facility Upgrades, Kissimmee, FL**

Professional Credentials

- Bachelors, Electrical Engineering, University of Central Florida
- Professional Engineer in Florida, #95233
- Professional Engineer in North Carolina, South Carolina, Georgia, Oklahoma, Tennessee, Texas
- LEED Green Associate, #0011267545

Special Qualifications

- Electrical experience gives him a unique understanding of the challenges and implementation realities of both new construction and renovation projects
- Specialized expertise in power distribution systems, standby power systems, lighting controls and photometrics short circuit analysis, and selective coordination

Seth Schmid, PE

Structural

RELEVANT EXPERIENCE

Southwest Wastewater Reclamation Facility, North Port, FL — Project Engineer. The Southwest Wastewater Reclamation (SWWWRF) is a 2.0 MGD Average Daily Flow (ADF) facility within the West Villages Improvement District (WVID). The project included construction plans and permitting through an underground injection control (UIC) program for a Class I industrial deep injection well (DIW) for the disposal of SWWWRF wet weather discharges and future membrane concentrate for the future WVID reverse osmosis (RO) water treatment plant (WTP). Extensive coordination was required with the City of North Port who currently owns and operates the facility. Additional coordination with permitting agencies included Southwest Florida Water Management District (SWFWMD), FDEP South District, U.S Army Corps of Engineers (USACE), FDEP/Health Department, FDEP/Sarasota County, and FDOT. Other aspects of the project involved drainage design, landscaping, electrical, instrumentation and controls as well as architectural and structural components. **This project was presented at the 14th Annual Southwest Florida Water and Wastewater Exposition in 2021.**

Bay Laurel Center Community Development District (BLCCDD) 2.5-MGD Bay Laurel North Water Reclamation Facility (WRF), Marion County, FL — Structural Engineer. Kimley-Horn is providing design, permitting, and construction administration services for a 2.5 MGD AADF (5.0 MGD buildout capacity) WRF with advanced wastewater treatment capability, and public access reclaimed water system. The treatment process consists of Ovivo oxidation ditch, conventional clarifiers, and disc filters with smart biological control technology. The project delivery method was CMAR. Kimley-Horn helped the owner obtain \$60 million in FDEP Protect Florida Together Grant funds for the construction of a new WRF.

Bellevue Water Reclamation Facility Rerating, Bellevue, FL — Structural Engineer. This project is for the biological and hydraulic evaluation of a 0.760 MGD Sequencing Batch Reactor (SBR) WRF with public access reclaimed water irrigation system for beneficial reuse of treated effluent. The project resulted in rerating the permitted capacity to 1.0 MGD with minimal equipment replacement.

Master Pump Stations No. 1, No. 2, and No. 3 Rehabilitation, St. Pete Beach, FL — Project Engineer. Kimley-Horn provided preliminary, final design, and construction services for the rehabilitation of Pump Stations No. 1, 2, and 3. Pump Station No. 1 is a quadruplex station with four 140-HP submersible pumps. Pump Station No. 2 is a triplex with three 35-HP submersible pumps. Pump Station No. 3 is a duplex submersible station with two 35-HP pumps. The scope of work included evaluating the contributing service areas to determine the required wet well sizing and pumping capacity, the evaluation of existing flows of the station, pump and piping design, and the design of an elevated structure to house electrical equipment. Each pump station included a generator design, with a skid mounted diesel fuel tank. For Pump Station 2 and 3, generators were located on the elevated structure to provide maximum resiliency during storm events or flooding.

ADDITIONAL EXPERIENCE

- **Plantation Bay Wastewater Treatment Facility Phase 1 Design and CEI, Flagler County, FL**
- **Dunn Water Reclamation Facility Ditch Erosion Repair, Pinellas County, FL**
- **Oxford Water Treatment Plant Design (Lower Floridan Well), Wildwood, FL**
- **Ashley Water Treatment Plant, Wildwood, FL**



Professional Credentials

- Masters, Structural Engineering, University of Florida
- Bachelors, Civil Engineering, University of Florida
- Professional Engineer in Alabama, #35867
- Professional Engineer in Florida, #54640

Special Qualifications

- 29 years of experience in structural, sanitary sewer, potable water, and stormwater engineering design and consulting
- Involved with all aspects of a project from project management to conceptual planning, design, development of technical specifications, permitting, and construction
- Software experience includes AutoCAD Civil 3D, MathCAD, and STAAD



Ty Gremaux, PE

Site/Civil

RELEVANT EXPERIENCE

Southwest Wastewater Reclamation Facility, North Port, FL — Project Engineer. The Southwest Wastewater Reclamation (SWWWRF) is a 2.0 MGD Average Daily Flow (ADF) facility within the West Villages Improvement District (WVID). The project included construction plans and permitting through an underground injection control (UIC) program for a Class I industrial deep injection well (DIW) for the disposal of SWWWRF wet weather discharges and future membrane concentrate for the future WVID reverse osmosis (RO) water treatment plant (WTP). Extensive coordination was required with the City of North Port who currently owns and operates the facility. Additional coordination with permitting agencies included Southwest Florida Water Management District (SWFWMD), FDEP South District, U.S Army Corps of Engineers (USACE), FDEP/Health Department, FDEP/Sarasota County, and FDOT. Other aspects of the project involved drainage design, landscaping, electrical, instrumentation and controls as well as architectural and structural components. **This project was presented at the 14th Annual Southwest Florida Water and Wastewater Exposition in 2021.**

DeSoto Correctional Institute Water and Wastewater System Improvements, Arcadia, FL — Project Engineer. DeSoto Correctional Institute (DCI), a state-owned facility is served by a 0.5 MGD WWTP and 0.5-MGD reverse osmosis (RO) WTP with associated storage and pumping facilities. Kimley-Horn was selected to lead the utilities design effort for both off-site pipelines required to extend service to the new facility and for expansion of the existing facilities. Due to the rural location of the site, extensive investigations were necessary to accommodate the expanded water and wastewater facilities. The study involved new potable wells, RO, ground storage, WWTP upgrades, master lift station, force main, and hydraulic computer model. The project was designed, permitted, and constructed in several parts. Value engineering was a key focus in the design of the WTP expansion, as well as the design of the master lift station.

Reclaimed Water Transmission Main Expansion, North Port, FL — Project Engineer providing full engineering services for the design and construction of a four-mile reclaimed water main expansion project within the City of North Port. The project consisted of approximately 23,000 linear feet of reclaimed water main extending from the WWTP to the intersection of Price Boulevard and Sumter Boulevard. The project was jointly funded by the SWFWMD through a grant. Services for this project included: design, permitting, construction phase services, assistance with preparation of service agreements, and compilation of as-built information into a GIS format required by the SWFWMD. The project also included numerous permits and coordination with multiple agencies.

West Villages Improvement District US 41 12-inch and 16-inch Reclaimed Water Transmission Main Expansion, North Port, FL — Project Engineer. Kimley-Horn provided full engineering services for the design of a two-mile reclaimed water main project within the City of North Port. The project consists of approximately 8,600 linear feet of 12-inch PVC reclaimed water main installed along US 41 from the western City limits to the US 41/West Villages Parkway intersection. This line is a component of the overall Reuse/Irrigation Master Plan prepared by Kimley-Horn for the West Villages. The line ties into the 16-inch and 10-inch reclaimed water mains on West Villages Parkway south and north of US 41 and supplies reclaimed water to irrigate approximately one mile of landscaping along US 41 and two miles of landscaping along the West Villages Parkway. It will serve as part of a looped reclaimed water system modeled and planned by Kimley-Horn in conjunction with the City of North Port. This reclaimed water main is currently owned and operated by the West Villages Improvement District, but is expected to be turned over to the City of North Port once the City begins to provide reclaimed water to the area. In addition to the master planning completed by Kimley-Horn, services for this project include: design, permitting, and full construction phase services. The project includes numerous permits and coordination with the following agencies: Florida Department of Environmental Protection, Southwest Florida Water Management District, Florida Department of Transportation, and the City of North Port.

ADDITIONAL EXPERIENCE

- **Lakewood Ranch Boulevard Extension and Water Main Extension, Sarasota, FL**
- **San Rocco Drive Drainage Improvements, Punta Gorda, FL**
- **Grand Palm Utility Master Plan, Sarasota, FL**

Professional Credentials

- Bachelors, Civil Engineering, Rose-Hulman Institute of Technology
- Professional Engineer in Florida, #72394
- American Society of Civil Engineers

Special Qualifications

- Over 19 years of experience in design of civil infrastructure for a variety of projects
- Experienced with the permitting procedures and land development regulations of Charlotte County, SWFWMD, FDEP, FDOT, and USACE
- Experienced with design of stormwater management and treatment systems, potable water and reclaimed water distribution systems, wastewater collection systems, roadway and parking facilities, ADA compliance, and general civil engineering design practices for residential, commercial, and industrial land development projects
- Experienced in the use of ICPR, PONDS, MODRET, and StormCAD drainage computer design and modeling software



Clayton Scelzi

Mechanical, Electrical and Plumbing (MEP)

RELEVANT EXPERIENCE

SWFWMD Water Control Structure Inspections, SWFWMD, FL — Designer. The SWFWMD contracted Kimley-Horn to evaluate the condition of five water control structures under the District's purview. The evaluation included all civil, structural, electrical, mechanical, and underwater components of the structure. Specifically, the scope consisted of an independent rating of each component (i.e. bulkheads), comparisons of previous ratings, documentation of findings, and preparation of cost estimates for deficiencies that mandated repairs.

FEMA Hurricane Assessments, Charlotte County, FL — Project Manager. The Kimley-Horn team provided FEMA damage assessments for the County after Hurricane Ian. This work included site visits and reporting for more than 70 utility sites, ranging from pump stations to water treatment facilities. Our team was able to complete this work within a week so that the County could submit its request for support from FEMA.

Straz Performing Arts Center Cooling Tower Replacement, Tampa, FL — Quality Manager. Kimley-Horn is providing MEP, structural design, and commissioning services for the replacement of the two existing cooling towers for the Straz Performing Arts Center central energy plant. The goal of the replacement project is to equip the central energy plant with higher capacity cooling towers that still fit within the existing cooler yard.

Southwest Recreation Aquatic Center Redesign, Largo, FL — MEP Project Manager. Kimley-Horn provided professional engineering services for the renovations of the City of Largo's Southwest Aquatic Center Pool and Recreation Building Bathhouse. The Aquatic Center was constructed in 1983, and the buildings and pools are original to the facility making it over 40 years old. The facility is highly valued by the community and has a long history of successful programming for lessons, wellness programs, lap swimming, and swimming and diving competitions. Our services included drafting a master plan concept for the pool, diving platform, and associated amenities; boundary, topographic, and subsurface utility engineering (SUE); site civil; landscape architecture; aquatic design; MEP services; permitting with the SWFWMD, the City of Largo, the FDEP, the Florida Department of Health; and construction phase services.

***City Hall (Horizon West Bay), Largo, FL** — MEP Project Manager. Kimley-Horn is currently providing civil engineering and landscape architecture services for the new Largo City Hall, known as Horizon West Bay. The project includes a six-story City Hall and Municipal Services Center, parking garage with ground floor retail and restaurants; a public plaza with a linear water feature; a one-acre canopy covering both buildings and most of the outdoor plaza; an outdoor amphitheater and performance stage; surface parking; as well as extensive landscape and streetscape. The project is designed to serve as a catalyst for the growth and development of downtown Largo. Clayton oversaw the mechanical engineering for the five-story, 100,000-square-foot City Hall building in Largo. The project has a 36,000-square-foot solar array and a geothermal chilled water system.

*** Relevant experience prior to joining Kimley-Horn**

ADDITIONAL EXPERIENCE

- **IKEA Distribution Facility, Lakeland, FL**
- **Blue Ridge-Salford North Vacuum Pump Station, North Port, FL**
- **Miami Beach 41st Street Booster Rehabilitation Project, Miami Beach, FL**
- **Johnson Pope MEP for Rivergate Tower Interior Renovation, Tampa, FL**
- **The Archer Western Office Renovation at Sans Souci Ybor, Tampa, FL**
- **Clearwater Marina District Block A Medical Office Building MEP_S_Solar, Clearwater, FL**

Professional Credentials

- Associate of Arts, Engineering, St. Petersburg College
- Certificate, Advanced Architectural Drafting, Pinellas Technical Educational Center

Special Qualifications

- 17 years of experience working on a variety of projects including municipal, high-rise office buildings, mixed-use, hospitality, recreation, multi-family, and transportation
- Experience includes conceptualization, project design, plan preparation, specifications, drafting and modeling, rendering, life cycle cost analysis, computational fluid dynamic modeling, bid negotiation, construction administration including pay requests, construction inspections, project scheduling and budgeting, financial analysis, and forecasting

DAVID YONGE, PhD, PE

David is a professional engineer and water enthusiast with expertise in wastewater and water treatment and system design. He assists municipal clients with holistic master planning and secure, resilient, and sustainable design. David currently volunteers in leadership roles in the AWWA on regional, state, and national levels.

RELEVANT PROJECT EXPERIENCE

[East Port WRF Expansion Design and Construction Project | Charlotte County | Project Manager](#) | David facilitated equipment selection workshops and supported the 30% design effort for the East Port Expansion project.

[Burnt Store WRF Expansion Design and Construction Projects | Charlotte County | Project Manager](#) | David managed the team for the Burnt Store WRF Expansion (as a subconsultant to McKim & Creed) which included preparing the major permit modification and renewal, developing the preliminary engineering report, and conducting workshops, and QA/QC.

[Water and Wastewater Security Review and Facilitation Services | City of Winter Haven](#) | David is assisting the City define their future digital transformation and implementation strategy as they balance automation needs for staff augmentation and the risk associated with digital automation, control, and monitoring. The project defines the digital standards that will be implemented in future critical facility designs.

[Cyber Incident Response Procedures | Covington Water District](#) | David developed the cyber incident response procedures for the Covington Water District. The CIRP includes a ransomware incident action checklist, identification of the IMT, and internal and external notification guidelines and reporting forms.

[HB 53 Needs Analysis and Wastewater Master Facilities Plan | City of Bradenton](#) | David served as the technical expert and project manager for the City's WRF master facility plan which was developed to address HB 53 needs assessment and was submitted for SRF funding support for a 20-year planning horizon.

[NE WRF and MS Blend Tank Upgrades | City of Clearwater](#) | David served as task and project manager for the design and construction of the City's sludge blending tanks at the Northeast WRF and Marshall Steet (MS) WRFs, respectively. He also served as EOR for the MS WRF blend tank design.



YEARS OF EXPERIENCE: 12

EDUCATION:

Doctor of Philosophy,
Environmental Engineering

Master of Science, Environmental
Engineering

Bachelor of Science, Environmental
Engineering,

Bachelor of Science, Civil
Engineering

TECHNICAL COMPETENCIES:

- Condition Assessments
- Corrosion Control and Disinfection
- Cyber informed Engineering
- Emergency Response Planning
- Risk and Resilience Assessments
- Holistic Water Master Planning
- Injection Well/UIC Permitting
- Membrane Treatment Process
- Permitting and Funding Assistance
- Water and Wastewater Design
- Water Quality Analysis

PROFESSIONAL CERTIFICATION:

Professional Engineer, #85457, FL

AWWA Utility Risk & Resiliency
Certificate of Completion



Education

BS, Civil Engineering,
Florida Gulf Coast
University

Years of Experience

11

Licenses

- Professional Engineer -
FL #85319

Certifications

- ACI Concrete
Construction
Specialty Inspector
- ACI Concrete Field
Testing Technician –
Level 1
- Portable Nuclear Gauge
Ues AND Safety Training
- OSHA 10-Hour

Adam Dornacker, PE

Geotechnical Department Manager/Professional Engineer

Mr. Dornacker is a registered Professional Engineer with eleven years of experience. His expertise includes foundation design analysis and recommendations, foundation installation monitoring, and field and laboratory testing of soil and concrete. He is responsible for managing and coordinating all work performed by UES' Fort Myers Geotechnical Department. He prepares and reviews geotechnical and materials engineering inspection reports, coordinates and supervises engineering staff and drilling personnel. He also conducts foundation observations and foundation design reviews, geotechnical instrumentation monitoring, and reviews and signs materials testing reports.

PROJECT EXPERIENCE

Caloosahatchee Connect

Fort Myers/Cape Coral, FL

This project connected a reclaimed water transmission pipeline from Fort Myers to Cape Coral just south of the Midpoint Bridge. The transmission pipeline was installed underneath the Caloosahatchee River using large-scale directional drilling operations. The 7,600-foot reclaimed water transmission main is the largest, longest sub aqueous horizontal directional drill project using fusible polyvinyl chloride pipe (FPVC) in the United States. Mr. Dornacker was the lead Geotechnical Engineer, responsible for coordinating drilling operations, reviewing of soil samples and lab testing (including direct shear and consolidation), and producing the geotechnical report and recommendations. Geotechnical borings were completed in the Caloosahatchee River using a truck-mounted drilling rig atop a push barge with specially designed platforms; borings were performed to depths exceeding 120 feet below the water line.

US41 Utility Replacement Project

Fort Myers, FL

This project relocated city utilities along US 41 between Winkler and Victoria Avenues (for FDOT's roadway improvement for the US 41 corridor). UES conducted geotechnical explorations with soil survey borings along US 41 to depths of 10 feet below grade at

approximately 300 feet centers, four standard penetration test (SPT) borings to depths of 25 feet below grade for proposed jack and bore locations (and along the proposed directional drill areas) and 25 cores of existing asphalt located at 1,000-foot centers for each outside lane of US 41, where the replacement utilities are located. Mr. Dornacker was Geotechnical Project Manager and assisted in preparing the geotechnical report.

HHD Rehabilitation Structure S-209 (IP-2) & S-291 (IP-3)

Glades County, FL

The Herbert Hoover Dike Rehabilitation Structure Replacements project includes demolition and removal of the existing Culvert IP-2 & IP-3 off of the Indian Prairie Canal in Glades County and the construction of new water control structures downstream of the existing structure locations. Mr. Dornacker performed Pre & Post-Construction Structural Conditioning Surveys of all adjacent structures, provided Vibration Monitoring Services, and performed CCSI pre-placement and placement inspections of all concrete structures.



Education

MSCE, Civil Engineering,
Georgia Institute of
Technology

BSCET, Civil Engineering,
Southern College of
Technology

Years of Experience

25

Licenses

- Professional Engineer:
Florida #59716
- Building Inspector:
FL #BN3667

Certifications

- Certified Welding
Inspector
- ICC Structural Masonry
Inspector
- ACI Concrete Special
Inspector
- ACI Construction
Transportation Inspector
- PTI Level 2 Inspector
- AWS Certified Welding
Inspector (#10010131)
- US Army Corps
of Engineering –
Construction Quality
Management for
Contractors
- ICC Structural Masonry
Inspector
- ICC Structural Steel &
Bolting
- OSHA 10

Jeff D'Huyvetter, PE

Senior Project Engineer

Mr. D'Huyvetter has over 25 years of experience in the engineering. He also assists with the oversight and engineering for airport and Army Corps projects throughout south Florida. Operations include geotechnical evaluations, construction materials testing, structural design, building inspection, threshold inspection, forensic and plan review services for residential, commercial, public, and industrial projects. For over 25 years he has worked on a variety of projects throughout the southeastern United States encompassing both design and construction. He has a wide range of experience in geotechnical, materials testing and engineering, and inspection services. Mr. D'Huyvetter has focused on quality assurance and quality control for construction of major projects.

PROJECT EXPERIENCE

EAA A-1 Reservoir

South Bay, FL

EAA A-1 Reservoir project consisted of the design and construction of reservoir in the Everglades Agricultural Area. Levee construction utilized existing materials obtained from the seepage canal and from infield borrows areas. Allied set up an on-site laboratory as part of GMP 2 to provide onsite QC testing of the various aggregates produced at the rock crushing facility, which was built for this project. The rock plant operated 24 hours a day before the project was indefinitely postponed. Work was performed between 2007 and 2008.

US Army Corps Site 1 Impoundment

Palm Beach County, FL

Project consists of levee construction for purpose of water impoundment and retention. The Phase I contract consists of the rehabilitation of +/- 15,000 l.f. of existing levee on the north and west side of the proposed impoundment area. The rehabilitation consists of new spillway construction, regarding the exterior side of the levee and construction of an armoring system composed of ACBM block, soils cement and drainage mats on the interior side of the levee. Services consist of QC and Materials Testing services. Work was performed under two contracts and completed in 2016.

Modification to SR 90 (US41)

Miami/Dade County, FL

Quality Control and inspection oversight under Kiewit Infrastructure South Co. on the Tamiami Trail project in Miami, Florida. Project consisted of the construction of a one-mile, low profile bridge and the rehabilitation and/or reconstruction of nine miles of roadway as part of the Comprehensive Everglades Restoration Program (CERP). Work was performed between 2010 and 2013.

Picayune Strand Restoration

Southwest, FL

Quality Control and Inspection for multiple contracts (SFWMMD) as part of the overall Picayune Strand Restoration. Contracts included QC Testing for the construction access off of Alligator Alley, QC Testing and Structural Steel Inspections for Merritt Pump Station, QC Testing for Merritt Pump Station spreader berm, QC Testing for Merritt Canal Plugs (2 contracts), QC Testing and Structural Steel Inspections for Faka Union Pump Station and Spreader Berm, QC Testing for Miller Pump Station and geotechnical drilling and sampling for Miller Pump Station (for construction QC). Work performed between 2009 and 2019.

Russell Hyatt, PSM

Survey and Mapping Support, Senior Project Manager

Hyatt Survey Services, Inc.

Years of Experience: 36

Education:

Bachelor of Science, Survey and Mapping, University of Florida, 1990

Distinguishing Attributes:

- Mr. Hyatt has 36 years of professional surveying and mapping experience relating to transportation planning, construction and engineering.

Certifications/Registrations:

- Professional Surveyor and Mapper, FL. LS#5303

Affiliations:

- Florida Surveying and Mapping Society (Past-President)
- Manasota Chapter of the Florida Surveying and Mapping Society
- Tampa Bay Chapter of the Florida Surveying and Mapping Society (Past President)
- University of Florida Surveying and Mapping Advisory Committee
- The Hydrographic Society of America
- National Society of Professional Surveyors
- American Society of Civil Engineers

EXPERTISE:

As Vice President of Hyatt Survey Services, Inc., Russell's duties include local, state and federal contract administration and overall quality control. In addition to his administrative duties, Russell is also responsible for the production of boundary, hydrographic and topographic surveys. He couples over 36 years of surveying experience with a four-year degree in Surveying and Mapping. His project experience has included commercial / municipal development surveys and geodetic surveys and beach/channel/port hydrographic surveys. Russell has extensive experience providing survey services to local, state and federal agencies such as the Pinellas, Hillsborough, Manatee, Sarasota, and Charlotte Counties, Florida Department of Transportation, Florida Department of Environmental Protection and the U.S. Army Corps of Engineers-Jacksonville District.



KEY RELEVANT PROJECTS:

2018-2019 Rehabilitation and Extension of Runway 15-33 and Relocation of Woodlawn Drive:

Client: Kimley-Horn & Associates, Inc.

Contact: Paul Piro

655 N Franklin Street, Suite 150, Tampa, FL 33602

Ph: (813-635-5549

email: paul.piro@kimley-horn.com

SCOPE OF WORK PERFORMED:

(2018-2019) Hyatt Survey provided a topographic survey to support the design for the rehabilitation and extension of runway 15-33, relocation of the segmented circle, blast pad, the reconfiguration of Taxiway E, removal of asphalt in the vicinity of Runway 9 and for the maintenance of the existing stormwater channel. Survey cost: \$54,830.00

(2021) Rehabilitation of Runway 4-22 Additional Topographic Survey Required:

Client: Kimley-Horn & Associates, Inc.

655 N Franklin Street, Suite 150, Tampa, FL 33602

Contact: Paul Piro, PE

Phone: 813-635-5549

email: paul.piro@kimley-horn.com

SCOPE OF WORK PERFORMED:

Hyatt Survey performed additional topographic survey services of 10,650 LF of runway. Total Survey Cost: \$24,705.00

(2020) Rehabilitation and Reconstruction of Runway 4-22:

Client: Kimley-Horn & Associates, Inc.

Contact: Paul Piro

Ph: 813-635-5549

email: paul.piro@kimley-horn.com

SCOPE OF WORK PERFORMED:

Hyatt Survey performed a topographic survey to support the design of the rehabilitation of runway 4-22 (12,000 LF) and the reconstruction of the new asphalt blast pads. Survey Cost: \$35,160.00

2018 Punta Gorda Airport Benchmark Relocation

Client: Punta Gorda Airport

28000 A-1 Airport Road, Punta Gorda, FL 33982

Contact: Raymond Laroche

Phone: 941-268-1101

Email: rlaroche@flypgd.com

Scope of Work Performed: Hyatt Survey performed a benchmark relocation at Punta Gorda Relocation as per specifications of the client. Cost: \$3,258.00



**PROPOSED
MANAGEMENT PLAN**

II. PROPOSED MANAGEMENT PLAN

Kimley-Horn has a long history of achieving successful projects through a combination of effective project management and technical expertise. Our team organization consists of various disciplines coordinating with each aspect of the project from project management to bidding to construction administration.

Team Organization

Our project team organization starts out with our integrated management team that consists of **Ashley Miele, PE, Lewis Bryant, PE, Jeff Goodwin, and Doug Eckmann, PE, BCEE, D.WRE, F.ASCE**, who have been working together with Charlotte County Utilities (CCU) since 2020. Our team's comprehensive knowledge and thorough understanding of project issues will be key in ensuring this project's success. It requires a keen awareness of your procedures and guidelines, close coordination with public agencies, County staff, and interaction with the community. Most importantly, an understanding of the County's vision for the future allows us to anticipate needs and provide creative solutions that fill today's needs while planning for the next challenge.

Kimley-Horn operates a client-centered style of management. We are committed to maintaining the highest levels of quality you have come to expect from us. Ashley Miele, PE, as client manager and Jeff Goodwin as project manager will work in close liaison with Charlotte County staff throughout the project. Our project management approach consists of the following proven fundamentals:

- ✓ Develop a clear understanding of the project goals
- ✓ Develop a comprehensive work plan and schedule to set milestones and project goals
- ✓ Set weekly milestones (more manageable) that support the larger milestones and review with the project team on a weekly basis
- ✓ Involve stakeholders and other various disciplines that would be impacted as integral members of the team
- ✓ Create an atmosphere that encourages clear communications and teamwork to accomplish the project goals
- ✓ Make quality a priority every day



UNDERSTANDING PROJECT GOALS

Clearly defining the challenges and setting objectives is critical to a successful project. Our vision for project success involves open discussions with the County about the problems that need to be addressed prior to initiation of the planning. We will provide the Charlotte County staff with advice based on the benefit of our experience and our unique local knowledge and analyze critical success factors alongside unique project challenges so that priorities can be set, and objectives defined.



DEVELOPING A COMPREHENSIVE WORK PLAN

After collectively understanding the project goals we will develop a comprehensive work plan that identifies the goals and provides a focused action plan that is necessary to achieve those goals. Anticipating the challenges and obstacles early in the process allows the team and County to investigate and understand these challenges while developing a mechanism to address them before they have an impact on project schedules and budgets. Our project approach utilizes schedule control mechanisms at incremental phasing and decision-making points in the project.



SET WEEKLY MILESTONES

With most of the team and the extensive relationships we have with the subconsultants, we can easily connect on a weekly basis to ensure schedule milestones are on track and discuss and communicate any concerns that can immediately be brought to the County's attention. Meeting weekly helps meet our long-term monthly project objectives and ultimately our overall project goals and milestones.



INVOLVE STAKEHOLDERS AND VARIOUS DISCIPLINES

Projects such as this can lack success when all parties and stakeholders are not involved from the start of the project. It will be critical for all parties to stay involved for the duration of the project and specifically during times when critical decisions are being discussed such as the preliminary engineering phase of the project. Keeping the stakeholders and other disciplines involved will help identify any obstacles early on that may have an impact on the project schedule or budget.



COMMUNICATION IS KEY

Clear communication with our clients and the project team is part of the routine at Kimley-Horn. Based on the County's desired level of communication, Kimley-Horn will tailor and implement a communication and reporting program to meet the County's project management needs and vision for success. Kimley-Horn will collaborate closely with Charlotte County to clearly understand the project objectives and we will focus on continual and open communication of all project activities. Our team of engineers will be involved in every step of the development of this plan from beginning to end. This allows County staff and other stakeholders to communicate their desires early in the design process and maintain a consistent point of communication throughout the project life, which eliminates surprises during final design and construction. Kimley-Horn is well-versed in performing all types of infrastructure projects, through varying soil conditions (i.e., muck, rock, high water table, etc.) and various construction techniques.



TOOLS FOR SUCCESS

Our firm has an internationally networked computer system that incorporates public and private data centers. We use the latest in design software, including AutoCAD Civil 3D, MicroStation, ArcGIS, and Adobe InDesign. Our in-house capabilities include high-resolution digital projection, interactive Smart Boards, large-format reproduction, digital photography, and video editing. The key to technology is that our staff utilize these tools daily to improve the value we provide to our clients. It is our daily embrace of continuous quality improvement combined with our commitment to integrating the latest technology into our design process that allows us to provide that value.



QUALITY IS A MANDATE

The Kimley-Horn approach to quality is collaborative. Recognizing the critical importance of careful quality control, Kimley-Horn has developed an extensive internal quality control program. Our formal QC/QA program, led by Doug Eckmann, PE, BCEE, DWRE, is based upon assigning experienced senior professionals, who are otherwise qualified to manage a particular project, to serve in an independent quality control role.

As your consultant for Burnt Store Water Reclamation Facility Major Permit Modification project, Kimley-Horn will provide you with:

- ✓ Consultant staff who are detail-oriented, locally based, and will draw on their extensive engineering design and pipeline experience to make the best decisions for the County's residents and staff.
- ✓ A project manager who is enthusiastic about serving Charlotte County and has done so through years of previous County work.
- ✓ Team members with experience and a proven track record in the planning, design, and construction of some of the largest, most complicated, and most significant utility projects and facilities in South Florida.
- ✓ A multidisciplinary firm with the strength, depth, and resources that only a national firm can provide coupled with the staff and relationships required to work with local regulators effectively and efficiently.
- ✓ A team with the passion, desire, experience, and creativity to develop innovative, time- and cost-saving ideas to meet your needs on this project.

QUALITY CONTROL/ QUALITY ASSURANCE



ACHIEVED

Through adequate planning, coordination, supervision, and technical direction



VERIFIED

Through independent reviews by qualified staff



CONTROLLED

By assigning task managers to evaluate all work flow and procedures



SECURED

Through careful quality control of work activities by parties not involved in the initial efforts

FEASIBILITY EVALUATION



Part of providing a successful project is ensuring we analyze all issues critical to determine feasibility and provide solutions to meet the project's needs. Our feasibility evaluation team has extensive knowledge of the existing system and already has several alternatives to present to the County. **Dan Bornmann, EIT**, has been preparing condition assessments for the Burnt Store facility audit reports over the past three years. Dan is not only familiar with every piece of equipment within the facility, but he also knows how to operate it and any current concerns with it. **Jeff Goodwin was recently involved with these studies and has a great record of accomplishment with Manatee County operations on providing efficient and effective solutions to wastewater capacity concerns.** **Steve Romano, PE**, and **Madeline Kender, PE**, also on this team, have worked on the Desoto County WRF Expansion and have recent data analysis and findings on intensification technologies, package plant expansion costs, and delivery times. We know that doing the work before we break ground or even purchasing a piece of equipment could mean the difference between your project's success and failure. Weighing important selection factors—like hard and soft costs, schedule, and risk—and identifying obstacles early on can save you time and money from initial site selection through regulatory approval.

PROCESS MECHANICAL DESIGN AND PERMIT MODIFICATION



Supporting our project manager Jeff Goodwin, in design and specifications will be **Ashley Miele, PE, Madeline Kender, PE, Dan Bornmann, EIT, Matt Tebow, PE, and Jordan Walker, PE**, who have provided design services to clients throughout Florida. Jeff, Ashley, Madeline, and Dan are familiar with the County thanks to their ongoing collaboration over the past several years. This same team has assisted with the County's regulatory compliance, Operation and Maintenance Manuals, and an annual Facilities Audit Report. Matt and Jordan are both treatment facility experts within the firm who have experience with designing, retrofitting, and expanding facilities of all sizes. With this team's vast experience on various projects, we have found that working out details in the design phase equals fewer change orders and schedule impacts during construction.

We recognize that the original expansion design was considered cost-prohibitive. To ensure that the alternatives we propose are both cost-effective and aligned with the County's requirements, we have integrated our structural and electrical experts into the evaluation and design phases from the outset. **Ian Flemings, PE**, and **John Wujek, PE**, will lead the electrical analysis, including SCADA integration, while **Seth Schmid, PE**, will provide structural analysis, identifying potential cost savings and additional design options.

Also, understanding this project's criticality, we have identified a separate team of Jeff Goodwin, Madeline Kender, PE, Jennifer Klama, and David Yonge, PhD, PE, to move simultaneously with design through the permit modification process. Jeff, Madeline, and Jennifer have both recently completed several permit renewals with various local facilities and permit modifications including DeSoto County and Babcock Ranch. David Yonge was also the EOR for the permitting efforts associated with the Burnt Store WRF Expansion project.

CONSTRUCTION PHASE



Kimley-Horn has provided construction administration on various projects including the start-ups of wastewater facilities, construction observations for facility rehabilitations and construction of new facilities. Our full-service consulting includes comprehensive construction administration services with experienced inspection staff in all types of construction. This team would be led by **Ashley Miele, PE** and **Mike Semago, PE**, who has worked on several water reclamation facilities, including Sarasota County's Bee Ridge WRF Interim Improvements and Manatee County's Manatee County Southeast Water Reclamation Facility improvements. Supporting Mike will be **Ramon Diaz**, who has worked with our design team and the County throughout his career. He understands the inner workings of facilities as well as the permitting process and rules and regulations regarding construction. **Dan Bornmann, EIT**, another critical member of the team, has been the lead for several operation and maintenance manuals and will assist with the training and development of the manuals for these facilities. Dan has been working with the County operators for the past three years and has a great understanding of what they need for these manuals. Our team will also manage all construction activities including the pre-construction conference, and regular project meetings, and provide review and approval of pay estimates, full-time or part-time construction observation representative, evaluate equipment delivered as compared to shop drawings, and coordinate punch list observations and materials testing. In addition to receiving the benefit of our inspectors' experience, our construction phase personnel is involved in the project's design aspect, providing constructability reviews and specification material compliance, calibrating equipment, and SCADA integration assistance.

Kimley-Horn has assembled a team of key staff with extensive experience and a deep understanding of the challenges and opportunities this project presents. With decades of dedicated service to the County as a trusted engineering consultant and proven technical expertise, we are confident that our well-rounded team is the ideal partner to support the facility expansion.



PREVIOUS EXPERIENCE



III. PREVIOUS EXPERIENCE OF TEAM PROPOSED FOR THIS PROJECT

Our proposed team brings the skills necessary to be the partner Charlotte County needs for the expansion of the Burnt Store Water Reclamation Facility. Below we highlight the relevant experience of our key design team members and the skills they have that directly align with this project.

	Feasibility Evaluations	Permit Modifications	WRF Process Optimization	WRF Process Mechanical Design	Regulatory	Electrical I&C	Structural	Cost Estimating	Site Security	Effluent Disposal (RIBS/DIW)	Construction Phase Services
Project Team Members	ASHLEY MIELE, PE	●	●	●	●			●	●	●	●
	JEFF GOODWIN	●	●	●	●			●		●	●
	LEWIS BRYANT, PE	●	●		●		●	●	●	●	●
	DOUG ECKMANN, PE, BCEE, D.WRE, F.ASCE	●	●		●		●	●	●		●
	STEVE ROMANO, PE	●	●	●	●		●	●		●	●
	JENNIFER KLAMA	●	●			●		●		●	●
	MADELINE KENDER, PE	●	●	●	●	●	●	●	●		●
	DAN BORNMANN, EIT	●	●	●	●			●			●
	IAN FLEMINGS, PE						●		●		●
	SETH SCHMID, PE					●		●			●
	RAMON DIAZ	●				●			●		●





SOUTHWEST WATER RECLAMATION FACILITY EVALUATION OPTIMIZATION, CAPE CORAL, FL

This project was awarded the 2021 Advanced Secondary Earle B. Phelps Award winner as presented in the Florida Water Resources Journal.

Kimley-Horn created hydraulic and biological process models of the 12-MGD Southwest Water Reclamation Facility (SWWRF) and conducted a detailed evaluation of the hydraulic and biological process performance to investigate the likely impact of different operational strategies and/or changes to the process configuration. The goal of the analysis was to evaluate process modifications that would result in increased biological nutrient reduction, reduced chemical use, and reduced aeration energy at the SWWRF. The analysis included capital projects needed to implement the recommendations and a budget-level opinion of probable construction cost for each capital project.

The development and calibration of the SWWRF's biological process model was based on an existing condition evaluation and detailed wastewater sampling and characterization program. The calibrated biological model was then used as the basis for process control and scenario analysis using the BioWin Controller module.

Kimley-Horn helped the City successfully implement different process control strategies including PID controller, aeration setpoint, and internal recycle modifications at the SWWRF to optimize nutrient removal and reduce aeration energy. **The results obtained demonstrated a consist 25% to 30% aeration energy reduction compared to previous strategies while also reducing effluent TN by 30%.**

- Implementing the recommendations from the model, and without any major capital costs, the plant was able to realize:
- Reduction of approximately 200 lbs/day of total effluent nitrogen
- Overall aeration demand reduced approximately 1,000 scfm
- Energy savings of approximately \$4,000/mo

PROJECT RELEVANCE

- ✓ Feasibility evaluation
- ✓ Capacity expansion
- ✓ Cost analysis
- ✓ Optimization
- ✓ Construction phase services
- ✓ Permit Modification



WILDWOOD CONTINENTAL COUNTRY CLUB WASTEWATER TREATMENT FACILITY, WILDWOOD, FL

Kimley-Horn performed a condition assessment, operational review, rehabilitation design, and construction administration for a 0.200 MGD Davco ring steel WWTF. The condition assessment and operational review included structural integrity evaluations, mechanical equipment inspections, and effluent disposal capacity evaluations. The rehabilitation design and construction administration included blower replacement, catwalk repairs, launder trough repairs, diffuser replacement, and digester rehabilitation.

PROJECT RELEVANCE

- ✓ Facility evaluation
- ✓ Cost analysis optimization
- ✓ Construction phase services



GOLDEN OCALA WASTEWATER TREATMENT FACILITY TEMPORARY MODIFICATION PLAN AND HEADWORKS ANALYSIS, MARION COUNTY, FL

Kimley-Horn evaluated temporary modifications needed at the Northwest Regional (Golden Ocala) Wastewater Treatment Facility (WWTF) to receive wastewater from the County's World Equestrian Center (WEC) until a permanent expansion of the WEC can be designed, permitted, and constructed. The temporary modifications were needed to accommodate up to 300,000 gallons per day of peak wastewater flows anticipated during some WEC events. In addition to the temporary modifications evaluation, Kimley-Horn prepared a WWTF headworks analysis to determine allowable pollutant loadings from customers of the Northwest Regional wastewater collection system. The headworks analysis included an evaluation of anticipated contributions from the WEC. Tasks for the Golden Ocala WWTF project included creation of a temporary modification plan, a headworks analysis, and an FDEP permit modification request. Kimley-Horn also provided a headworks analysis for the Stonecrest and Oak Run WWTFs using the same scope of work for the Golden Ocala WWTF headworks analysis.

PROJECT RELEVANCE

- ✓ Facility evaluation
- ✓ Capacity expansion
- ✓ Permit modification
- ✓ Assistance with regulatory agencies



WILDWOOD RECLAIMED WATER FACILITY PROCESS OPTIMIZATION, WILDWOOD, FL

The City of Wildwood had Kimley-Horn create a series of hydraulic and biological process models of the 3.55-MGD wastewater treatment plant (WWTP) to evaluate the effects from a large institutional contributor (federal prison) and a large industrial user (stainless steel manufacturer). The City staff contemplated a need to expand the treatment process to achieve public access reclaimed water quality standards such as total dissolved solids and nitrate-nitrogen. The evaluation included the collection and analysis of plant operational data, wastewater influent sampling and characterization, and the development of biological process models using BioWin™ and hydraulic models using Visual Hydraulics. An EPA local limits evaluation was performed to determine the maximum allowable headworks loadings to the WWTP considering biological inhibition, FDEP requirements, and reclaimed water quality requirements. The facility plan recommendations from the hydraulic and process model analysis demonstrated that with minor operational changes to the return activated sludge rate and correcting hydraulic bottlenecks due to partially open or broken valves, the WWTP did not require the construction of the proposed improvements. **Two years after implementing the operational changes, the WWTP consistently meets all reclaimed water quality requirements, fully treats the institutional and industrial loadings, and no longer has the hydraulic and process issues which enabled the City of Wildwood to save approximately \$600,000 in unnecessary improvements.**

PROJECT RELEVANCE

- ✓ Cost analysis
- ✓ Facility evaluation
- ✓ Assistance with regulatory agencies



OAK HILLS WASTEWATER TREATMENT PLANT EXPANSION, LOUGHMAN, FL

Kimley-Horn provided design services for the expansion of the County's existing Oak Hills WWTF from 200,000 gpd to 400,000 gpd as part of our existing master consulting services agreement with the County. Services included preparing construction plans, specifications, permitting, and opinion of probable construction cost (OPCC). The plant is currently in service and treating the expanded wastewater flows thereby enabling the County to reduce the amount of wastewater diverted to the TOHO water authority.

PROJECT RELEVANCE

- ✓ Capacity expansion
- ✓ Permit modification
- ✓ Construction phase services
- ✓ Cost analysis

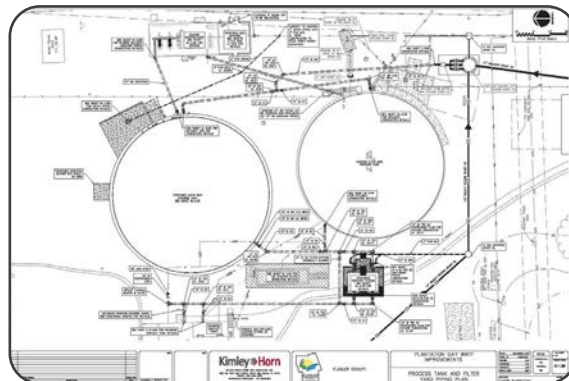


FLAGLER PLANTATION BAY WASTEWATER TREATMENT FACILITY (WWTF) PHASE 1 DESIGN AND CEI, FLAGLER, FL

Kimley-Horn provided process design for Class 1 reliability improvements and capacity expansion of the 0.475-MGD Plantation Bay Wastewater Treatment Facility (WWTF). The project included: expansion to the existing biological treatment process, new tertiary filtration system, chlorine contact tank modifications, new reject storage tank, and headworks improvements. The project also included constructing a new MCC building and associated electrical equipment. The WWTF process design will include the following enhancements: internal recycle pumps, piping, and flow meter; DO or ORP process control; separate positive displacement blower and controls for the digester; anoxic zone mixers; catwalk between the existing WWTF and the proposed WWTF; and second filtration unit and associated piping. Project services included data collection, construction plans and specifications preparation, bid administration, and SRF construction loan administration assistance. **Kimley-Horn assisted the County with securing a \$5.7-million SRF loan to fund construction of the WWTF expansion project.** Additionally, Kimley-Horn was able to secure another \$500,000 St. Johns River Water Management District REDI grant for this project.

PROJECT RELEVANCE

- ✓ Capacity expansion
- ✓ Permit modification
- ✓ Construction phase services
- ✓ Electrical equipment improvements
- ✓ Grant administration



IV

PROJECT CONTROL

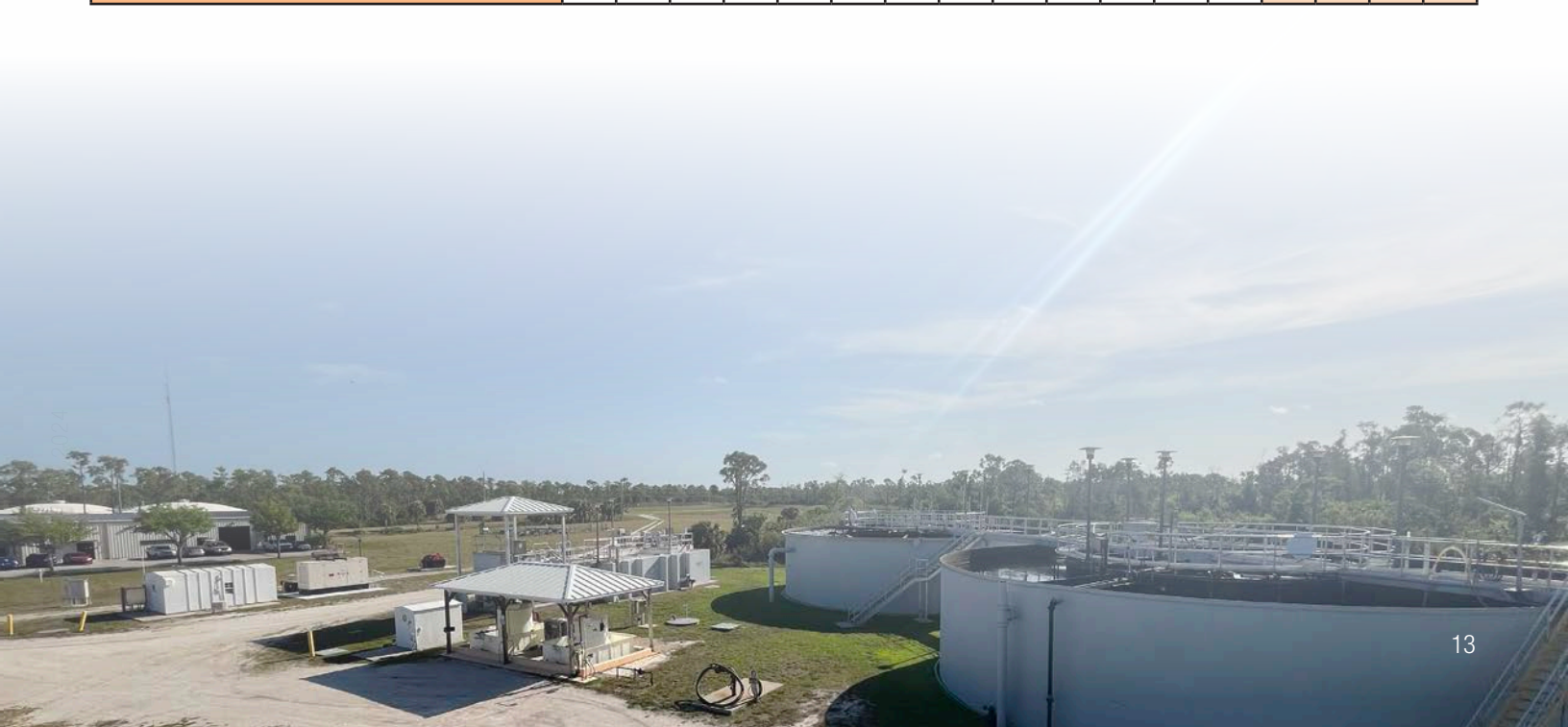


IV. PROJECT CONTROL

Kimley-Horn recognizes project schedule control is critical to the success delivery of a project of this magnitude and scope. **Meeting your schedule for deliverables is not just a goal to us—it is a mandate.** We will utilize our team’s collective experience and past lessons learned to identify realistic milestones for each phase of this project. To supplement this historical knowledge and experience, Kimley-Horn has developed internal tools, as discussed below, to facilitate detailed manpower and budget planning. These tools give us the capability to accurately assess efforts in real time and make the necessary adjustments to keep the project on time and within budget.

A. SCHEDULE

	Week																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NTP	★																
Project Kick-off	★																
Condition Assessment and Alternatives Analysis																	
County Workshop			★														
Major Permit Modification																	
60% Design																	
County Workshop											★						
90% Design																	
County Workshop														★			
100% Final Design																	



1. TECHNIQUES TO ASSURE THE SCHEDULE WILL BE MET

Schedule control begins with the preparation of a detailed schedule that includes milestone completion dates for specific tasks and the overall project. For each project, we will develop a detailed work plan that will allocate task-based hour budgets by individual. The work plan establishes major tasks, identifies staff members who will complete the tasks, determines how much time the tasks will take, designates the quality control review staff, and details the schedule for completion. Twice monthly, our **Management Information System (MIS)** generates a Project Effort Report showing actual effort expended by task. We have the capability to determine real time effort and at any point in time our project managers can check budget expended and current time on the employee's timesheets. **This internal control allows us to make timely adjustments necessary to maintain your schedule and make sure our professional staff are on task as planned.**

CRITICAL PATH METHOD SCHEDULING

Understanding critical path items and associated timeframes is essential for maintaining schedule. Kimley-Horn staff is well versed in preparing project schedules that apply the Critical Path Method (CPM), leading to the proactive identification and resolution of issues that impact project delivery. We are proficient in utilizing dynamic scheduling software such as Microsoft Project and Oracle Primavera P6 for regular control of projects including developing project baseline schedules, construction schedule development, third party review of vendor schedules, and delay analysis, mitigation, and prevention assistance. Further, we are able to provide enhanced schedule-risk analysis, incorporating the risk register into schedule management to develop a probabilistic schedule that more accurately identifies the frequency/likelihood a task is on the critical path. This analysis provides the project team a greater understanding of task dependencies and allows for better risk planning and mitigation.

While CPM scheduling is an invaluable resource for timely project delivery, coordinated management and updating of the schedule is imperative. Through routine updates, the schedule maintains its dynamic quality and has the capability to continuously assess the critical path items to ensure they are progressing in accordance with previously agreed upon project delivery dates.

2. RESPONSIBILITY FOR SCHEDULE CONTROL

Your project manager, **Jeff Goodwin**, and client manager, **Ashley Miele, PE**, will be responsible for deliverables and will help ensure deadlines are being met. They will work to identify the County's critical measures of success and deliver to meet that expectation. Jeff and Ashley will work to manage these requirements with the County to deliver results in a timely manner. They will facilitate the development of a project schedule defining key dates and milestones to meet the goals of the County.

B. COST CONTROL

Kimley-Horn recognizes that budget control is key to successful project delivery. Cost control is inherently tied to people. Their experiences, vision, management styles, and philosophies all affect significant components of a project approach and its execution. One of the important cost control mechanisms will be the team's previous experiences and lessons learned. Identifying realistic goals, developing a focused action plan that addresses only those items necessary to accomplish the goals, anticipating the implications of decisions made in early phases to future phases, and preparing a mechanism for addressing unexpected challenges are important in establishing cost control. They build the framework for completing a successful project within budget.

To assist our project managers in efficient administration of projects, Kimley-Horn maintains a detailed, integrated Project Management Information System (PMIS). This system, designed primarily to focus on schedule adherence and cost control, has proven to be a valuable tool.

1. COST CONTROL TECHNIQUES

The "**Castaheads**" program information is linked to Kimley-Horn's Project Management Information System (PMIS) to continuously track financial performance and productivity. Knowing the budget to be spent in the next month and forecast for six months, along with mid-month and end-of-month reviews of each project task allows our project managers to efficiently manage the approved fee budget and assure time spent on this project is used productively.

Understanding our client’s needs, establishing clear expectations, preparing a comprehensive scope of services, setting milestones, and quantifying the appropriate budget at the onset of a task assignment are all key components of delivering a project within the approved design budget. However, our actions during the design process have a significant impact on the cost of project construction. As we begin each assignment with a scoping meeting to discuss the critical success factors of the project, we also discuss construction budgets as well as “wants” versus “needs” in the project to help steer the project to remain within construction budgets. Our team is constantly evaluating cost savings measures throughout the duration of the project including value engineering measures and utilizing resources appropriately to control unforeseen conditions during construction.

2. ABILITY TO MEET PROJECT COST CONTROL

Our local Sarasota team has a reputation for managing project design and construction budgets. Our ability to control costs is representative of the minimal change orders that we have processed throughout the past several years, with the majority of these change orders being client-driven for additional services that Kimley-Horn could provide outside of the scope of services. This is because the project team listens to our clients to fully understand what is important to them before moving forward with important design decisions. We are proactive in communication by keeping organized records of correspondence throughout the duration of the project. We believe communication is the foundation of any relationship, and with core values such as honesty and integrity, we want our clients to trust that we will make them aware of any project concerns immediately, including impacts to schedule and budgets.

Kimley-Horn’s ability to meet cost control requirements can best be exemplified by our track record of meeting our client’s budgets. This alone should be a testament that we have a strong cost and schedule control system that has been proven time and time again. Listed below are several recent projects where our team has carefully managed project costs.

PROVEN ABILITY TO CONTROL COSTS		
Project	Total Project Budget	Actual Project Budget
Bee Ridge Septage Receiving Improvements, Sarasota County, FL	\$82,055	\$59,380
Lake Wales Wastewater Treatment Facility Rehabilitation/Expansion, Lake Wales, FL	\$4,500,000 (initial cost estimate)	\$3,695,114 (actual cost)
West Villages Improvement District Southwest Water Reclamation Facility WWTP North Port, FL	\$43,000,000 (initial estimate)	\$36,000,000
Wildwood WWTF Headworks Rehabilitation and Miscellaneous Improvements Wildwood, FL	\$509,608	\$496,999
Internal Recycle Pump Replacement, Headworks Rehabilitation, and Slope Stabilization at the Southeast Water Reclamation Facility (SEWRF) Bradenton, FL	\$4,263,080 (initial cost estimate)	\$4,169,040 (actual cost)

3. RESPONSIBILITY FOR COST CONTROL

Jeff Goodwin and Ashley Miele, PE will be the main contacts for this contract and will be fully responsible for cost control throughout the duration of the project. Additionally, with the remaining team members as part of the project management team—Lewis Bryant, PE, and Doug Eckmann, PE, BCEE, DWRE, FASCE, you can be assured that the project costs will remain in control.

C. RECENT, CURRENT AND PROJECTED WORKLOAD

Prior to selecting staff for this assignment, our team reviewed our “Castaheads” program and projected our workload and availability for the next 24- to 36-month period. We are confident we have the availability of our team for the duration of the project. This project fits perfectly into our schedule. Our staff will be available during the times needed, and not only our team, as portrayed in this proposal, but also various professional personnel nationwide that can be pulled in to assist if needed. *The following table outlines Kimley-Horn’s key personnel’s recent, current, and projected workloads.*

ENSURING AVAILABILITY. We know there will always be unexpected challenges unique to any project, so it is paramount that we plan well for what can be controlled and build mechanisms for dealing with the unexpected. We will utilize workload forecasting to manage and meet our deadlines.

PROJECT TEAM AVAILABILITY				
Name	Role	Current Workload	Recent Workload	Projected Workload
Jeff Goodwin	Project Manager, Feasibility Evaluation, Permit Modification	60%	55%	40%
Ashley Miele, PE	Client Manager, Process Mechanical Design	70%	65%	55%
Doug Eckmann, PE, BCEE, DWRE, FASCE	Quality Control/Quality Assurance Advisor	55%	50%	45%
Steve Romano, PE	Feasibility Evaluation, Process Mechanical Design	70%	65%	60%
Madeline Kender, PE	Feasibility Evaluation, Process Mechanical Design	60%	55%	50%
Dan Bornmann, EIT	Feasibility Evaluation, Process Mechanical Design, Construction Phase Services	50%	40%	30%
Jennifer Klama	Permit Modification	50%	45%	40%
Ramon Diaz	Construction Phase Services	35%	30%	25%
Ian Flemings, PE	Mechanical, Electrical, and Plumbing (MEP)	60%	55%	50%
Seth Schmid, PE	Structural	60%	55%	65%



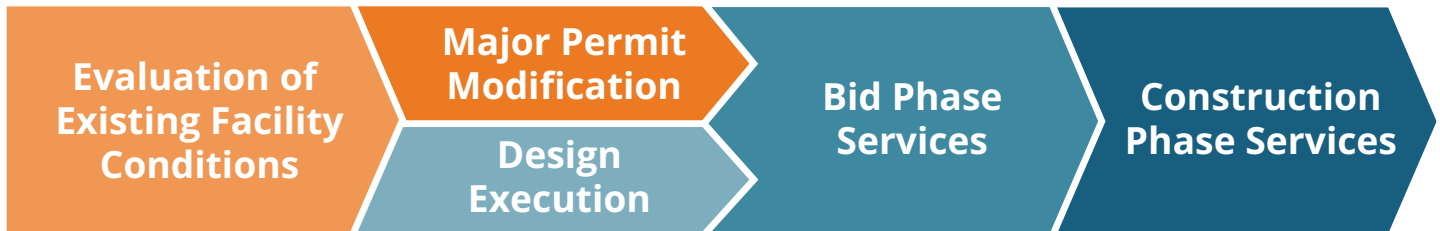
V

**PRESENT PROPOSED
DESIGN APPROACH FOR
THIS PROJECT**

V. PRESENT PROPOSED DESIGN APPROACH FOR THIS PROJECT

A. DESCRIBE PROJECT APPROACH TO COMPLETE THE PROJECT

Kimley-Horn has a tried-and-true project approach for wastewater treatment facility expansions. The Burnt Store Water Reclamation Facility must increase its treatment capacity to accommodate increased flows associated with growth and development. A plant expansion was designed and permitted in FY23, however, the project did not move forward due to budgetary constraints. The goal of our approach is to provide a cost-effective solution for increasing treatment capacity by balancing operational optimization of existing processes with the addition of necessary infrastructure. To successfully deliver this project, we propose the following approach:



Included in each of these stages is collaboration with County staff, identification of potential cost-saving measures, and evaluation of the proposed design(s) for constructability and ease of operation.

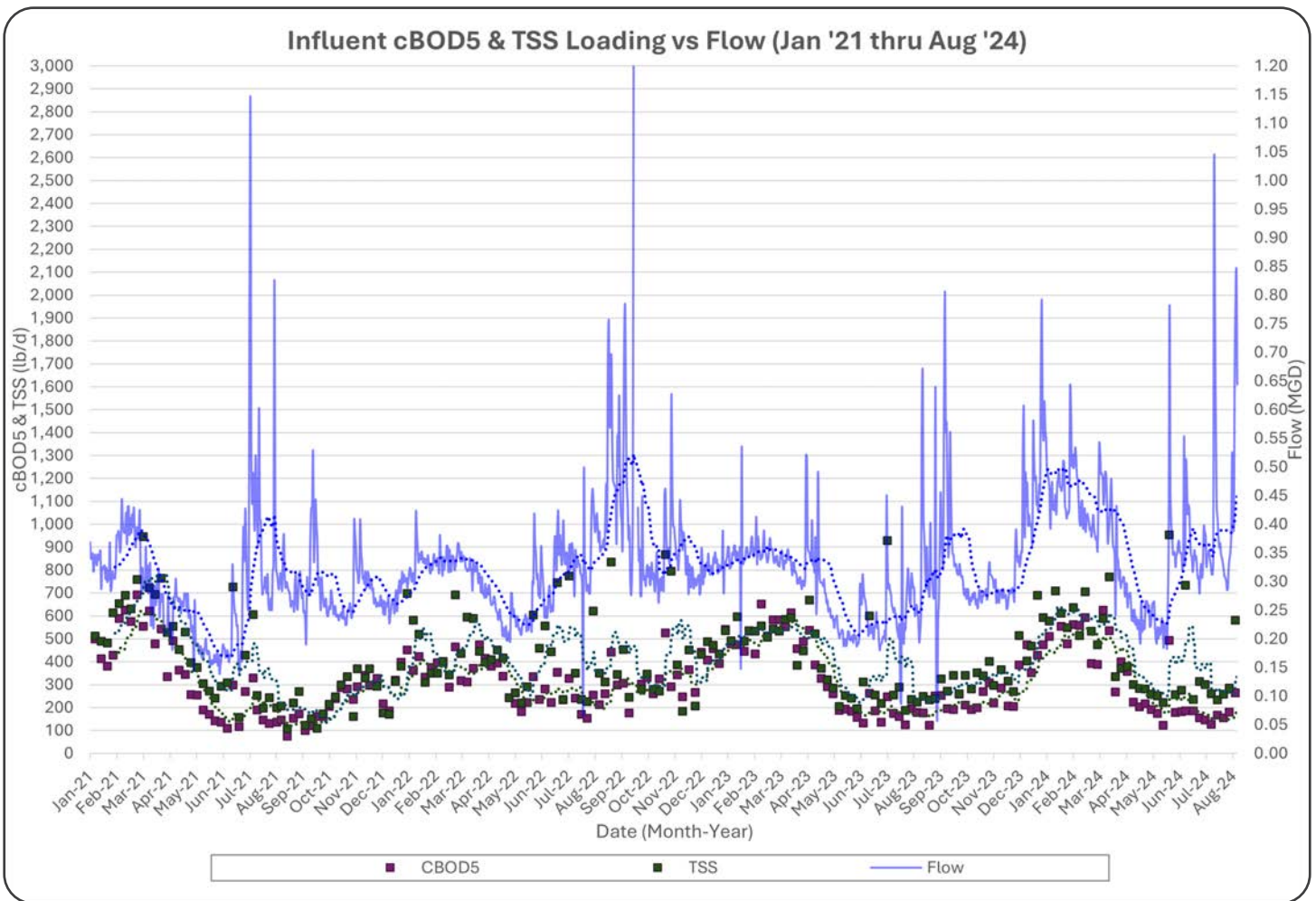


EVALUATION OF EXISTING FACILITY CONDITIONS

Establish Current Plant Flows and Pollutant Mass Loadings. Establishing accurate flows and mass loadings across the various conditions is a critical step that ensures that the facility is sized and configured to handle the expected volume and strength of incoming wastewater, optimizing treatment efficiency and ensuring regulatory compliance. It provides the basis for designing critical processes like screening, biological treatment, clarification, and disinfection. Rather than undertaking new, time-intensive sampling efforts, we will capitalize on the extensive historical data already available from the facility and the work performed by others for the future design. This readily available data helps to streamline the process of establishing accurate flows and mass loadings.

In addition, our close collaboration with key operations personnel, including Timothy Bracke and Henri Lafenetre, gives us a unique, first-hand understanding of current plant operations. Their insights into actual operations further refine our approach, ensuring our analysis is not only data-driven but also fully aligned with the plant’s current operational conditions. This combination of practical experience, strategic use of existing data, and operator collaboration positions us well to ensure delivery of a cost-effective and high-quality solution.

Our team has already begun reviewing DMR data from the last 4 years and has established a baseline of the flows and pollutant mass loadings. The influent concentrations of cBOD5 and TSS are below typical ranges, indicating potential inflow and infiltration (I&I) issues in the collection system, which we understand is beyond the scope of this project, but should be identified as a means of reducing flows to this facility in the future.



Condition Assessment. Our approach to this condition assessment is grounded in a comprehensive understanding of the facility’s current conditions, supported by prior audit findings and regulatory insights. This allows us to confidently propose solutions that not only address immediate needs but also position the facility for long-term operational success.

Leveraging our extensive audit report experience and our role as regulatory compliance consultants, we are uniquely positioned to streamline this process by utilizing existing data and findings, allowing us to swiftly pinpoint critical areas for improvement, ultimately saving time and resources.



Our prior audits of the facility have already established the condition of each major piece of equipment. This foundational work enables us to efficiently transition into designing upgrades, focusing specifically on expanding capacity where necessary. Some areas we’ve identified prior to this solicitation are captured below:

- » **Preliminary Treatment (Screening and Equalization).** The equalization (EQ) tank is vital in managing flow variations, and several key issues have been identified for immediate action. The deteriorated pipe inside the EQ tank discharging from the flow splitter box must be replaced to avoid failure. Additionally, the EQ tank pumps need rehabilitation, particularly addressing seal water leakage and potential replacement of EQ Pump No. 2 due to its fused volute. Degradation of the EQ tank top rail and support ring must also be repaired to maintain structural integrity. Kimley-Horn will evaluate if enhancing the EQ capacity to reduce the peak day demands will yield cost savings through more efficient equipment sizing downstream. Lastly, we’ll confirm the manual bar screen rating and determine if additional screening capacity is required. This portion of the plant should also be safe and accessible to operators.

- » **Activated Sludge Treatment (Biological Treatment and Secondary Clarification).** The high peaking factor for maximum daily flow presents a critical influence on the sizing of the aeration system and clarification capacity. The current aeration zoning on the package plants provides 600,000 gallons of capacity between biological treatment and sludge holding, which is sufficient for present flows. However, to meet a 1.0-MGD average annual day flow (AADF) rating, additional capacity and air supply may be required. We will explore options to optimize existing infrastructure consider incorporating new or used treatment tank or process intensification methods to ensure compliance.

For treatment optimization, we'll calibrate a BioWin model and incorporate findings for the design. Our experience with BioWin modeling on similar sites has allowed us to optimize operations and dial in treatment to meet tight effluent parameters. We intend to be forward-thinking in our design approach and plan for the facility to meet existing and future regulatory requirements.

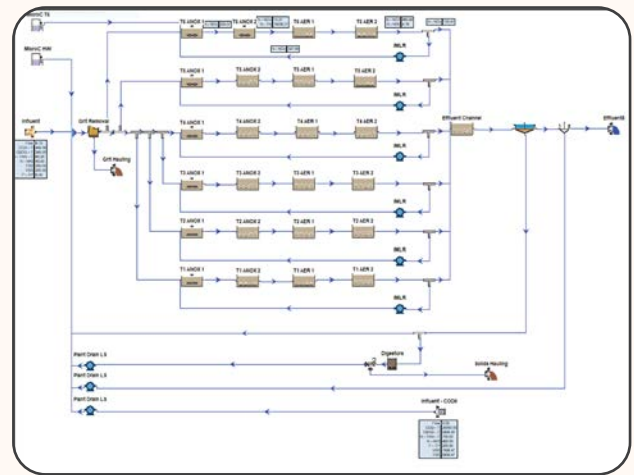
Accumulation of grit in the aeration zones is a concern, as it may hinder biological treatment capacity as it builds up. We will explore if grit removal options can be incorporated cost-effectively. Additionally, the clarifiers are undersized for a 1.0-MGD facility to meet Class 1 reliability, and we will evaluate options for adding clarification capacity, such as an additional standalone clarifier, expanded facilities, or MBR technology.

- » **Tertiary Filtration (Rotating Disc Filters).** The rotating disc filters are currently sized to handle peak flows up to 3.0-MGD. Initial findings suggest that, with adequate EQ tank capacity, these filters should be sufficient for a 1.0-MGD facility. Nevertheless, further investigation into peak flows is warranted to confirm this assumption. In parallel, rehabilitating the filters will enhance performance and longevity.

Disinfection (Liquid Chlorine). The chlorine contact tank (CCT) is rated for a 2.5-MGD peak hour flow, and with both trains operational, the facility meets FDEP reliability standards. However, reviewing EQ capacity will ensure the CCT remains adequate for future demands. Issues with the sodium hypochlorite feed pumps, including GFCI tripping, pose potential compliance risks, and we will evaluate power supply and pump functionality to mitigate these concerns.

- » **Effluent Disposal.** Effluent disposal includes the reclaimed water system, rapid infiltration basins (RIBs), and deep injection wells (DIWs). The reclaimed system is constrained to 0.5 MGD due to high-level disinfection requirements, and we recommend evaluating ways to increase capacity. While DIW capacity is adequate, RIB capacity will be evaluated for potential expansion or repurposing.
- » **Biosolids Management.** As flows increase, sludge production will rise, requiring a strategic approach to storage and handling. Intensification methods, while enhancing treatment, will also impact sludge processing. Expanding sludge holding capacity through new tanks or reconfiguring existing ones may be necessary. Additionally, optimizing sludge hauling frequency can help manage operational costs in the long term for the County.

Additional Recommendations. A load study on the facility's electrical system is advised to identify power quality or capacity issues, including a study of the backup power supply generator. This will ensure compliance is maintained during power outages and interruptions.



WASTEWATER PROCESS MODELING (BIOWIN)

Wastewater process modeling is a critical component to wastewater process design, optimization, and troubleshooting. BioWin is a wastewater treatment process simulator that ties together biological, chemical, and physical process models. Kimley-Horn offers wastewater process engineering expertise utilizing BioWin to support Florida wastewater process design. BioWin services offered include model development, calibration, alternatives evaluations, process optimization, liquid and solids stream evaluations, process savings, energy savings strategies, design, and operator training. We have over six licenses available within Florida and we offer annual training to our analysts to keep our process modeling team up to speed with current modeling trends and practices. Our BioWin services coupled with in-house wastewater sampling and characterization allows us to provide comprehensive and cost-effective wastewater solutions for our clients.

Alternatives Analysis. Following our conditions assessment, Kimley-Horn will develop a minimum of three comprehensive alternatives for the County's consideration, each designed to address increased capacity, key operational needs, and regulatory requirements. These alternatives will be presented in a draft Preliminary Design Report, outlining the benefits and trade-offs of each option. Our analysis will focus on several critical factors, including:

- **Technology Options.** We will compare available treatment technologies, evaluating efficiency, ease of operation, and compliance with current and future regulations.
- **Cost Analysis.** A detailed examination of capital, operational, and maintenance costs will be provided for each alternative, including an assessment of long-term life cycle costs to ensure sustainability.
- **Resiliency Measures.** In light of the facility's vulnerability during past storms, such as Hurricane Ian, we will evaluate the resilience of each alternative. This includes the ability to withstand extreme weather events, reduce downtime, and ensure continuous operation during and after hurricanes or other natural disasters. We will assess structural fortification, power redundancy, and other critical features to enhance the facility's long-term resilience against future storm impacts.
- **Site Constraints.** Our analysis will address the physical limitations of the existing facility and the availability of space for future expansion, ensuring that each alternative is feasible within these constraints.
- **Operational Flexibility.** Each option will be evaluated for its ability to support operational efficiency, system redundancy, and adaptability to evolving regulatory requirements.
- **Sequence of Construction and Maintenance of Plant Operations (MOPO).** Recognizing the capacity constraints currently facing the County, we will develop each alternative with consideration for phased construction, ensuring continuous plant operations throughout the project.

Once the County has provided feedback and selected an alternative, we will incorporate their input into the final Preliminary Design Report. This analysis will not only support the decision-making process but also streamline the subsequent major permit modification. By conducting the alternatives analysis with the end goal of regulatory approval in mind, we will accelerate the project timeline, allowing for permitting and design to proceed concurrently, ultimately reducing overall project duration. **Additionally, we will explore the incorporation of elements from the County's future design expansion to ensure seamless integration with long-term goals.**

PRELIMINARY DESIGN SCHEDULE SAVER

Due to Kimley-Horn's recent audit report deliverables for the Burnt Store WRF, our team can expedite the condition assessments and quickly evaluate alternatives, allowing our team to prepare the major permit modification and simultaneously move forward with the design. This will significantly reduce costs and expedite schedule.

Major Permit Modification. Permitting is a key task in any project, and we have an excellent track record and strong relationships with regulatory agencies. We have extensive experience in planning, design, and construction of wastewater treatment projects. Our team not only has a thorough understanding of permitting agency procedures, but also their expectations, enabling us to minimize delays and adjust submittals as needed. We will work to develop comprehensive permit application packages to streamline review and limit requests for additional information. Our strengths lie with our expert regulatory and compliance personnel, including Jeff Goodwin, Madeline Kender, PE, and Jennifer Klama, who not only have experience permitting facilities of this kind, but are also currently provide permitting and other regulatory services for Charlotte County on a regular basis.

Our strong relationships with FDEP enable us to successfully negotiate permit modifications, as well as reduce sampling and staffing requirements. We will conduct a pre-application meeting with the review agency at the onset of the 30% phase to solicit input on the project and identify permit requirements early. We will address all regulatory requirements in the design deliverables to be included in the application package.

Kimley-Horn will develop both a cover letter and a Preliminary Design Report (PDR) as part of the permit application package to clearly state the design intent with sufficient information for FDEP to determine if current staffing requirements can be maintained. We will review the draft Discharge Monitoring Report template developed by the FDEP as part of the permit modifications and work closely with the County and FDEP to develop permit reporting and monitoring requirements. We will ensure a comprehensive application package to minimize requests for additional information from the FDEP.

Following approval, Kimley-Horn will incorporate the permit documents in the final design deliverable to be included in the bid package. Terms and conditions of the permit will be reviewed with County staff and the contractor selected for the work, so there is a clear understanding of notification and reporting requirements as construction proceeds.

Design Execution. We will provide preliminary equipment recommendations, power requirements, material selection, and site layouts to substitute the preliminary design stage with the alternatives analysis. We understand the need for an accelerated facility expansion and are confident in our experience with the site and relationships with vendors and local contractors to be able to develop a comprehensive preliminary (30%) design at this stage.

After our preliminary engineering services, the design team will have a clear direction on how to proceed with the design aspect of the project. We will use the findings of the field investigations to develop design base sheets for the entire project. **Our standard practice is to utilize three-dimensional drafting and modeling techniques using a combination of Autodesk's Civil 3D CAD and Revit with Building Information Modeling (BIM) 360 for plan preparation and development.**



Utilizing BIM 360 allows for significant efficiencies with the development of above-grade structures. Three-dimensional models are most beneficial for above-grade structures such as pump stations and tanks. The visual model enables operations staff to better visualize valve placement, obstructions, and mechanical process piping if required for a better overall design. **The program also allows all our designers and subconsultants to work within the same file and bring conflicts to the team's attention immediately.**

Our team will work together to prepare construction plans and specifications. We intend to prepare and submit review plans at 60%, 90%, and final design stages of the project. At each stage, we will hold design review meetings that will consist of visually viewing the 3D Model with all participants to get a real-time understanding of the facility improvements proposed. We have identified a robust team of experienced design engineers to ensure design production needs are met. Preparation of the construction documents requires careful attention to detail, a thorough understanding of the issues identified in the initial phases, and a comprehensive knowledge of the construction process. Our plans will undergo an extensive QC/QA process with **Doug Eckmann, PE, BCEE, DWRE**, and a constructability review with **Mike Semago, PE** and **Ramon Diaz** prior to each submittal. Construction documents will include clear horizontal controls and adequate details for tank construction, clear zones, staging, utility conflicts, limits of restoration, and site-specific best management practices (BMPs). The construction document coordination will include all required disciplines such as site/civil, structural, process mechanical, and electrical/I&C.

Project specifications and contract requirements are often overlooked but are critical to managing the construction process to reduce construction impacts. These documents must be complete and thorough, not vague or contradictory. Any dispute that occurs will be resolved by the contract documents, which must support Charlotte County's position. Our design team has extensive practical experience in both design and performing services during construction and inspections. We draw on our construction phase experiences while preparing the construction documents to design pipelines and facilities that will be constructable and maintainable. This is one of the reasons why our team typically has key personnel, such as **Ashley Miele, PE**, from the design team included in our construction phase services/administration team as well.

Construction Phase Services

Our approach to construction phase services is to have the professionals who participated in the project's plan and specification development be directly involved with the implementation of the construction project. Our approach to construction contract administration focuses on the following three priorities:

Minimize Change Orders. Through up-front communication with the major manufacturers, we can keep change orders to a minimum.

Remain Conscious of Schedule. For each task, we assign a specific person to update the project schedule and submittal logs. As we typically turn around submittal reviews and requests for information (RFIs) in less than a week, the contractor can proceed without delay.

Maintain Frequent, Consistent Communication. We are comfortable making proactive decisions and facilitating fair solutions with your input. Our reputation for keeping to these fair solutions helps the contractor complete the projection schedule. The key to successful construction administration services is having the right people in the field who are knowledgeable in the work being performed. It is not only important for them to know how and why specific improvements are built and any variations in methods of construction, but they must form a trusting relationship with the Contractor. This is critical to help ensure there is one team in the field with a unified purpose of completing the job at hand. Accurate and consistent record-keeping and regular communication with County staff will ensure you know the project is on schedule and that the County is getting the expected results.

B. WHAT PROBLEMS DO YOU ANTICIPATE AND HOW DO YOU PROPOSE TO SOLVE THEM?

Schedule. Kimley-Horn recognizes the urgency of increasing the facility's capacity to accommodate the rapid growth in the Burnt Store service area. To expedite the project schedule, we will leverage our deep understanding of the facility's operational conditions as well as our established relationships with staff, vendors, and local contractors. This approach will allow us to quickly develop an alternatives analysis in place of the traditional preliminary design phase, accelerating progress toward the 30% design milestone. Additionally, we will assess the potential benefits of direct procurement by the County for key materials and equipment to further optimize the schedule. Finally, we will evaluate the use of a Construction Manager at Risk (CMAR) delivery method to determine if early contractor involvement could provide added value in meeting project goals efficiently.

Maintenance of Plant Operations (MOPO). Given the current capacity challenges the facility is facing, ensuring uninterrupted operations during the project is critical. Our team's historical knowledge of the facility, combined with strong relationships with plant staff, equips us to navigate these constraints effectively. To address this, we will work closely with staff to coordinate and sequence construction activities, ensuring the plant remains fully operational throughout. By maintaining clear communication and carefully planning improvements around current operations, we can ensure service levels are met consistently, even as we implement the necessary upgrades to expand capacity.

Existing Power Supply. Ensuring timely delivery of adequate power to the facility can present a significant challenge. To address this, Kimley-Horn will conduct a load study early in the site assessment process to identify any deficiencies in power capacity or quality. Our experienced electrical team will promptly develop solutions should the study reveal a need for additional power. Leveraging our strong relationships with local power providers, we will work to ensure that any required upgrades or modifications are implemented efficiently, minimizing delays and ensuring the facility's operational needs are met on schedule.



C. DESCRIBE INNOVATIVE APPROACHES USED?

As part of our site assessment, Kimley-Horn will identify opportunities to optimize existing plant operations, focusing on solutions that maximize the use of current infrastructure. We will provide recommendations for the repair, replacement, or enhancement of underperforming equipment and infrastructure, helping the County achieve its capacity goals while minimizing the need for extensive new installations.

A key focus will be on evaluating the existing equalization tank and bar screen. By exploring the potential for additional equalization capacity and the feasibility of upgrading the bar screen, we may reduce the need for downstream process expansions. Additionally, we will assess the configuration of the current DAVCO package plants to determine whether reconfiguring basin volumes could enhance treatment capacity. Our team will also consider the following:

Energy Efficiency Improvements. We will explore energy-saving opportunities through process optimization and equipment upgrades, focusing on solutions that reduce power consumption while maintaining or improving treatment performance. These improvements will support both short-term cost savings and long-term operational efficiency.

Advanced Control Systems. To enhance real-time monitoring and operational flexibility, Kimley-Horn will consider incorporating modern SCADA systems or other automated control technologies. These systems will provide enhanced operational control, allowing plant staff to quickly adjust to changing conditions and optimize system performance.

Phased Implementation. Recognizing the County's ultimate design goals and the work done by previous consultants, we will ensure that any improvements or expansions are designed with flexibility in mind. Our phased approach will accommodate future upgrades, enabling the facility to expand incrementally while minimizing disruptions to ongoing operations. This strategy will align with the County's long-term plans and ensure seamless integration with future expansions.

Other Innovative Approaches. In the evaluation process, Kimley-Horn will investigate several relatively new intensification technologies that may have the ability to increase plant capacity while utilizing existing infrastructure. These include:

- **Mobile Organic Biofilm (MOB).** MOB technology enhances organic removal by utilizing mobile carriers to foster biofilm growth within the wastewater flow, increasing the efficiency of contaminant breakdown in a compact footprint.
- **Integrated Fixed-Film Activated Sludge (IFAS).** IFAS combines traditional activated sludge with fixed-film media, supporting higher biomass concentrations and treatment capacity, which boosts nutrient removal in existing treatment facilities.
- **Aerobic Granular Sludge (AGS).** AGS uses dense, granular biomass that settles quickly, improving the system's capacity to handle high-strength waste while reducing energy needs for aeration and settling.
- **Membrane Bioreactor (MBR).** MBR technology integrates membrane filtration with biological treatment, enabling high-quality effluent, compact designs, and effective solids separation for enhanced nutrient removal.
- **Moving Bed Biofilm Reactor (MBBR).** MBBR technology incorporates free-floating biofilm carriers, increasing surface area for microbial growth, thereby intensifying treatment processes and maximizing organic and nutrient removal.



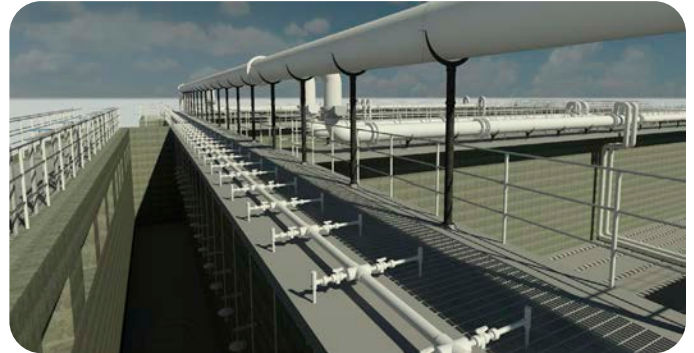
VI

**PRESENT EXAMPLES
OF RECENTLY
ACCOMPLISHED
PROJECTS**

VI. PRESENT EXAMPLES OF RECENTLY ACCOMPLISHED SIMILAR PROJECTS

BEE RIDGE INTERIM IMPROVEMENTS (DESIGN/BUILD), SARASOTA, FL

The Bee Ridge Water Reclamation Facility (WRF) is a 12-MGD water reclamation facility owned by Sarasota County (County) and is authorized to operate by the Florida Department of Environmental Protection (FDEP) under permit number FLA013372. The permit has an effective date of December 19th, 2017, and will expire on December 18th, 2022. The County entered the FDEP Consent Order (CO) No. 19-0255 in August 2019 because of unauthorized discharges of treated wastewater at the Bee Ridge WRF reclaimed water storage pond and other treated and untreated sanitary sewer overflows.



The CO was designed to improve the County's wastewater collection and treatment systems with the goal of decreasing impact on water quality through reduced discharge of untreated and treated wastewater. The goal of the long-term fix is to eliminate overflows at the Bee Ridge WRF reclaimed water storage pond by June 30, 2023. The Long-Term Fix includes the installation of the aquifer recharge (AR) well system as an additional disposal option for Bee Ridge WRF effluent. To send the Bee Ridge WRF effluent to the AR well system, the effluent must meet FDEP quality requirements, which requires improvements to the existing WRF treatment process. These improvements are the interim process improvements and were proposed to be pilot tested and implemented based on results of the pilot test. The interim process improvements must be completed to test the AR well system and ultimately put the Long-Term Fix into operation.

To meet the long-term fix and permit discharge to the AR well, the County is required to modify the existing biological process to improve effluent quality to 10 mg/L or less of nitrogen. As part of the Wharton Smith Design-Build team, Kimley-Horn is providing professional engineering services to enhance biological process at the WRF. Kimley-Horn performed wastewater characterization and biological process modeling (BioWin) to support the development of fast-track improvements needed to reduce nitrogen effluent. The proposed improvements include the modification of four of the six aeration basins as follows:

- Increased anoxic zones with the conversion of the high-density diffuser zone in the aeration basin utilizing a membrane baffle curtain wall
- Install two anoxic mixers at end of anoxic zone
- Install two MLR (mixed liquor return) pumps per basin at end of the aeration tank
- Install MLR pipes in the aeration basins
- Install flow meters on each MLR pipe
- Install nitrate probes in select additional anoxic and aeration basin(s) as back up for Aeration Basin 6 probes.
- Relocate existing DO probes in affected aeration basins
- Install Ammonium Sulfate feed system to create monochloramine as the disinfectant for THM control
- Provide associated electrical and instrumentation and controls

Schedule control: The team held weekly progress meetings between all parties to keep critical items on time. The design was organized such that critical infrastructure and equipment was sized and ordered by the CMAR in advance and the County also participated in owner direct purchases which all saved on schedule. They relied on their relationships with the local permitting agencies to expedite permitting and stay on track.

Cost control: Early communication helped identify services outside of the scope in advance of performance. Monthly progress reports were provided to the client to track any schedule delays and cost concerns.

Any additional costs caused by changes during project: This project had additional costs incurred at the Client request to add changes to the odor control.

BABCOCK RANCH WATER RECLAMATION FACILITY (WRF) PHASE 3 EXPANSION, *BABCOCK RANCH, FL*

Kimley-Horn provided design, permitting, and construction administration of a 1.5-MGD AADF expansion (4.0-MGD buildout capacity) for a WRF with advanced wastewater treatment capability (<5 BOD, <5 TSS, <3 TN) and public access reclaimed water system. The treatment process consisted of a diffused air oxidation ditch and membrane biological reactor (MBR) system with smart biological control technology. The project delivery methodology was Construction Manager at Risk (CMAR). The Babcock Ranch WRF Phase 3 Expansion required the construction of a new 1.0-MGD advanced wastewater treatment (AWT) facility just west of the existing treatment facility. The design included provisions for the phase 4 and phase 5 expansions of 1.0 MGD each for a total buildout capacity of 3.0 MGD. The new facility will incorporate a 4-stage Bardenpho biological treatment process in a diffused air oxidation ditch and MBR tertiary treatment. The existing WRF will be converted to flow equalization and aerobic digestion. The new phase 3 facility is capable of meeting 5/5/3 AWT standards with provisions for future biological phosphorous removal and meeting public assessment reclaimed water quality. This expansion also includes the design of a new reject ground storage tank to be able to store reject water for the current phases and for full build out after phases 4 and 5.



Schedule control: Our team is utilizing consistent communication with the project team and stakeholders including the Construction Manager at Risk (CMAR). Using this method is helping the team accomplish milestones and keeping the project on schedule, where it is currently under construction.

Cost control: Our team is assisting the County with review of the CMAR contract and fees and has helped reduce several contractual items with the CMAR contract, saving on construction costs. Our team has also provided grant funding and administration to help fund this project.

Any additional costs caused by changes during project: None.

VILLAGE OF WELLINGTON 6.5-MGD WASTEWATER TREATMENT FACILITY (WWTF) UPGRADES AND REHABILITATION, *WELLINGTON, FL*

The Kimley-Horn team was selected to provide engineering design and construction phase services for a variety of upgrades to the Village of Wellington's 6.5-MGD WWTF. This project was originally designed and bid by another firm. The Village asked Kimley-Horn to take over as the Engineer of Record and expanded the scope to include a new blower building, new aerobic digesters, new belt filter press feed pumps, new dryer feed cake pump, new clarifier mechanism, odor control system improvements, improved walkways/platforms/handrailing, the addition of a filter, upgraded/new operator facilities, dewatered sludge pumping, and associated electrical/control improvements.

Emergency structural repairs were required at the headworks due to structural failure and safety concerns. Multiple alternative emergency concrete repair methods and protective linings/coatings were investigated, including high early strength cast-in-place concrete, calcium sulfoaluminate cement (CAS) concrete, anchored sheet lining, spray applied polyurethanes, mat reinforced linings, trowel applied linings, and spray applied epoxies. Ultimately, a rapid setting CAS concrete coupled with a trowel applied epoxy coating was selected. The novel repair method used consisted of saw cutting



the entire splitter box, new steel reinforcement, site mixing and hand pouring seventy 55-lb. bags of CAS concrete with pea gravel to create a dry-pack mortar, and then the application of a trowel applied epoxy coating within 24 hours over the entire wall extending six inches over the top of the structure to prevent future termination point corrosion and failure. This full headworks bypass and long-term structural and protective repair method solved a difficult construction problem, completed the project within budget, and was completed in less than two weeks.

Schedule control: The project was completed in 2021. Despite time, material, and cost setbacks faced during the pandemic with ongoing construction, Kimley-Horn worked closely with the construction contractor to successfully complete the project only one year after the anticipated construction completion date.

Cost control: The proposed construction budget for the project was \$17 million after the winning project bid was received and awarded. After client requested change orders, the project total construction cost was approximately \$19 million.

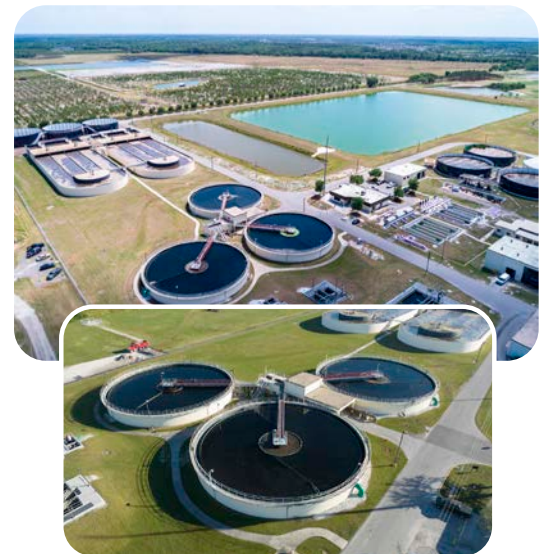
Any additional costs caused by changes during project: Roughly \$2 million in cost in additional scope items was added to the project which included emergency headworks repairs, site wide coating and crack repairs, and site building modifications. Kimley-Horn worked closely with the construction contractor and Owner to identify value engineering opportunities with the requested changes to keep the project within Owner spending limitations.

MANATEE COUNTY 7.5-MGD NORTH COUNTY REGIONAL WATER RECLAMATION FACILITY (NCRWRF) FLOW EQUALIZATION TANK, MANATEE COUNTY, FL

The North County Regional Water Reclamation Facility (NCRWRF) equalization tank project consists of design, permitting, and construction services for a new 3.0-MGD equalization tank and associated appurtenances. Preliminary design included an evaluation of the various construction methods and equipment selection for the equalization tank, flow control, equalization pumping, odor control, and mixing. This task also included biological and hydraulic modeling of the pretreatment and biological processes to determine if the addition of the 3.0-MGD equalization tank can increase the overall treatment capacity by stabilizing the hydraulic and biological loading rates.

The technical evaluation of alternatives for mixing, tank configuration, and construction methods were presented in a preliminary design report that also included a life cycle cost analysis of prestressed concrete tanks, glass-fused steel tanks, and cast-in-place concrete tanks. Once the equipment, construction materials, and methods were identified, the Kimley-Horn team designed the project around the preferred equipment. Major piping modifications were also required to incorporate the equalization tank into the treatment scheme.

Major piping modifications were required to incorporate the equalization tank into the treatment scheme. Permitting activities included the Florida Department of Environmental Protection, Manatee County site plan, and building permitting. Kimley-Horn provided part-time construction services to include shop drawing review, pay application review, responding to requests for information, contract closeout, and record drawings.



Schedule control: The Kimley-Horn team developed a 3D model of the proposed design layout allowing operational staff to observe the proposed improvements and provided them the opportunity to give input throughout the design process. This resulted in a successful project completed on time and on budget with no major construction problems.

Cost control: The proposed construction budget for the project was \$7 million after the winning project bid was received and awarded.

Any additional costs caused by changes during project: Additional scope items were added to the project such as electrical duct bank rerouting, fixing leaks on existing headworks piping, fixing existing fiberglass liner on headworks channel that was failing, and asbestos survey for building demolition, all of which were covered by the 10% project contingency.

BAY LAUREL CENTER COMMUNITY DEVELOPMENT DISTRICT (BLCCDD) 2.5-MGD BAY LAUREL NORTH WATER RECLAMATION FACILITY WRF, MARION COUNTY, FL

Kimley-Horn is providing design, permitting, and construction administration services for a 2.5-MGD Average Daily Flow (ADF) (5.0-MGD buildout capacity) WRF with advanced wastewater treatment capability (< 5 BOD, < 5 TSS, < 3 TN), and public access reclaimed water system. The treatment process consists of an Ovivo oxidation ditch, in-line flow equalization, conventional clarifiers, a new biosolids dewatering facility with screw-press dewatering equipment, and disc filters with smart biological control technology. Other aspects of the project involved drainage design, landscaping, electrical, instrumentation and controls, and architectural and structural components. The project delivery method was CMAR. Kimley-Horn helped the owner obtain \$25 million in FDEP Protect Florida Together Grant funds for the construction of a new WRF.

The effluent from the chlorine contact chambers will discharge into the common wall effluent transfer pump station. Effluent will then be pumped to the onsite 6.25-MG ground storage tank or to the proposed offsite RIBs. Actuated valves will control the flow of the reclaimed water. Flow from the effluent transfer pump station to either the public access ground storage tank or to the RIBs will be measured by an electromagnetic flow meter. A v-notch weir and a pressure transducer will be used to measure the flow of water that is diverted through the overflow structure to the proposed RIBs. Substandard or reject water that does not meet requirements of 62.610.460 will be directed to the plant drain station where it will be pumped back to the facility headworks for retreatment. A public access reuse pump station will convey reclaimed water from the effluent ground storage tank to the public access reuse system (R-001). The effluent transfer pump station and public access reuse pump station will include vertical turbine type pumps with variable frequency drives. Substandard effluent disposal will gravity flow the proposed RIB site directly south of the North WRF. The project included an effluent management evaluation. The study was developed as part of the preliminary design report and FDEP permit application. The study included the evaluation of alternative water disposal options including RIBs, deep injection well, aquifer recharge well, aquifer storage and recovery well, constructed wetlands, and a beneficial reuse system for residential irrigation.

Schedule control: In addition to the bi-weekly design progress meetings, Kimley-Horn coordinated design review meetings with the client and CMAR.

Cost control: Kimley-Horn was able to provide grant funding and administration services for \$70 million in grants to fund the \$140-million construction cost.

Any additional costs caused by changes during project: Kimley-Horn worked closely with the CMAR throughout the design and construction phases for value engineering opportunities as well as items related to construction sequencing and timing.



DESOTO COUNTY REGIONAL WATER RECLAMATION FACILITY EXPANSION, *DESOTO COUNTY, FL*

Kimley-Horn is contracted to provide design, permitting, and bid phase services for DeSoto County to expand their Regional Water Reclamation Facility from 0.95 MGD to 2.0 MGD in multiple phases. Planned improvements include installation of at least one rotary drum screen, a flow splitter box, two 500,000-gallon extended air package treatment plants, additional blowers, a standalone chlorine contact chamber, and upgrades to the effluent pump station. The existing 1,000-acre sprayfield used for effluent disposal will be rehabilitated and equipped with a new communications system. Kimley-Horn also prepared a minor revision to the County's facility operating permit to include a revised Groundwater Monitoring Plan for effluent disposal compliance reporting. Kimley-Horn developed a REVIT model of the existing facility, coordinating mechanical process, structural, electrical, and instrumentations and controls improvements in a 3D workspace to save on schedule and limit potential conflicts in the construction phase. Biowin modeling was also used to replicate the current treatment process and refine the proposed treatment process to achieve current and anticipated permitted effluent standards. This project is currently at the 90% design stage for Phase 1 of the expansion to bring the facility to 1.4 MGD, with completion expected by the end of 2024.

Schedule control: All design services are provided in-house, and design is being developed in a 3D workspace. Collaboration with the County in-between milestone deliverables for incremental design adjustments.

Cost control: Phase 1 design includes stub-outs and structural analysis for Phase 2 components to limit future construction costs. Coordination with SWFWMD and FDOT to negotiate permit terms and exemption verifications for Phase 1 and 2 improvements.

Any additional costs caused by changes during project: An additional third-party survey was needed late in the project design due to the departure of County surveyor.

PLANTATION BAY WASTEWATER TREATMENT FACILITY (WWTF) PHASE 1 DESIGN AND CEI, *FLAGLER COUNTY, FL*

Kimley-Horn provided process design, construction administration services, and SRF loan administration assistance for the Class 1 reliability improvements and capacity expansion of the 0.475 MGD DAVCO-style Plantation Bay Wastewater Treatment Facility (WWTF). The project includes: expansion to the existing biological treatment process, new tertiary filtration system, chlorine contact tank modifications, new reject storage tank, and headworks improvements. The project also includes construction of a new MCC building and associated electrical equipment. The WWTF process design will include the following enhancements: internal recycle pumps, piping, and flow meter; DO or ORP process control; separate positive displacement blower and controls for the digester; anoxic zone mixers; catwalk between the existing WWTF and the proposed WWTF; and second filtration unit and associated piping. Project services include data collection, construction plans and specifications preparation, bid administration, and SRF construction loan administration assistance. Kimley-Horn assisted the County with securing a \$5.7-million SRF loan to fund construction of the WWTF expansion project. Additionally, Kimley-Horn was able to secure another \$500,000 St. Johns River Water Management District REDI grant for this project.

Class 1 reliability improvements and capacity expansion of the 0.475 MGD DAVCO-style Plantation Bay WWTF including process design, construction administration services, and SRF loan administration.

Schedule control: Kimley-Horn provided full-time project administration and part-time (20 hours/week) resident project representative services to maintain schedule and budget.

Cost control: Kimley-Horn assisted the County with securing a \$5.7-million SRF loan to fund construction of the expansion project as well as secure another \$500,000 St. Johns River Water Management District REDI grant.

Any additional costs caused by changes during project: None.



Reference Information

Kimley-Horn is recognized nationwide for the quality of our work environment, for our stature as a business enterprise, and for the outstanding work of our consulting staff. The firm's successful peer recognition has been accompanied by a commitment to providing responsive client service, pursuing continuous quality improvement, and operating as a business-based practice. We are proud of our working relationship with our clients and much of our success is directly related to our efforts to perform high-quality, timely services. You may ask why clients chose Kimley-Horn out of all the top-class consulting firms they have to choose from. Chances are they'd tell you it was because we have a reputation for making them successful. We listen to their needs, meet their schedules, accomplish their missions, deliver results, and exceed expectations. You simply won't find this caliber of service anywhere else.

PROJECT MANAGER REFERENCE LIST

SOUTHWEST WATER RECLAMATION FACILITY NEW HEADWORKS, MANATEE COUNTY, FL

Contact: Jeff Streitmatter

Telephone Number: 941.708.7450 ext. 7335

MANATEE COUNTY 7.5-MGD NORTH COUNTY REGIONAL WATER RECLAMATION FACILITY (NCRWRF) FLOW EQUALIZATION TANK, MANATEE COUNTY, FL

Contact: Jeff Streitmatter

Telephone Number: 941.708.7450 ext. 7335

WEST COAST INLAND NAVIGATION DISTRICT HEADQUARTERS FACILITY, VENICE, FL

Contact: Justin McBride

Telephone Number: 941.458.9402

KIMLEY-HORN REFERENCE LIST

BEE RIDGE INTERIM IMPROVEMENTS (DESIGN/BUILD), SARASOTA, FL

Contact: Greg Rouse, PE, PMP, Utility Engineering Manager

Telephone Number: 941.861.0548

BAY LAUREL CENTER COMMUNITY DEVELOPMENT DISTRICT (BLCCDD) 2.5-MGD BAY LAUREL NORTH WATER RECLAMATION FACILITY WRF, MARION COUNTY, FL

Contact: Bryan Schmalz

Telephone Number: 352.414.5454

VILLAGE OF WELLINGTON 6.5-MGD WASTEWATER TREATMENT FACILITY (WWTF) UPGRADES AND REHABILITATION, WELLINGTON, FL

Contact: Jim Barnes

Telephone Number: 561.791.4000

DESOTO COUNTY REGIONAL WATER RECLAMATION FACILITY EXPANSION, DESOTO COUNTY, FL

Contact: Greg Harris

Telephone Number: 863.990.0014



A20 CONSULTING REFERENCE LIST

WATER AND WASTEWATER SECURITY REVIEW AND FACILITATION SERVICES, WINTER HAVEN, FL

Contact: Mark Bombard, Assistant Director

Telephone Number: 863.298.5351

UNIVERSAL ENGINEERING SCIENCES REFERENCE LIST

RECLAIMED WATER TRANSMISSION MAIN

Contact: Don McCullers

Telephone Number: 727.431.1546

NE 2ND PLACE INVESTIGATION FROM NE 4TH STREET TO PINE ISLAND ROAD

Contact: Christian Colarusso

Telephone Number: 239.777.4299

CITY OF FORT MYERS RWTM – PHASE 6A – WORK DRIVE

Contact: Mike McGee

Telephone Number: 386.361.5374

HYATT SURVEY SERVICES REFERENCE LIST

SEVENTY GROVE WRE - WETLAND RESERVE PROGRAM

Contact: Sherri Swanson, PE

Telephone Number: 941.342.2707

CEPP CONTRACT TOPOGRAPHIC/HYDROGRAPHIC

Contact: Robert Swilley

Telephone Number: 904.232.1704

VILLA BROTHERS, CALVIN TAYLOR, BLAKE HS/LINEAR PARK

Contact: Karla Price

Telephone Number: 813.274.5677

VII

EXPERIENCE AND CAPABILITIES



VII. DESCRIBE YOUR EXPERIENCE AND CAPABILITIES IN THE FOLLOWING AREAS

A. COST EVALUATIONS/COMPARISONS

Kimley-Horn understands that performing cost evaluations will be essential in making informed decisions and meeting financial requirements. Additionally, our team understands the constraints the County faced with the previous design and is prepared to deliver alternatives to help meet your goals. You can expect our team to perform an in-depth data review and evaluate the costs and benefits associated with each proposed alternative. Factors such as upfront installation costs, ongoing maintenance and operational costs, and any potential cost savings or benefits to the County will be considered. Our detailed cost evaluation will address the triple bottom line—the potential social, economic, and environmental impacts—to enable the County and its residents to make informed decisions based on specific needs and priorities.

Additional cost benefits will be provided throughout the project during the development of our opinions of probable costs (OPC) which will be provided at various stages throughout design. These cost estimates are based on recent locally completed projects to help realistically estimate the costs associated with the project. Our team also has multiple CMAR and design-build projects underway that allow us access to multiple bids for these projects and daily communications with contractors to track material and market impacts.

B. RISK ASSESSMENT ANALYSIS

Our team is highly experienced in identifying project risks and developing plans to minimize those risks. We begin by identifying risks and then evaluating them in a qualitative manner by assigning a probability that the risk will occur, the magnitude of the risk, and the impact of the risk to budget and schedule. For each risk, we develop an action plan to eliminate or minimize the risk. The plan is best developed in a workshop setting with all design disciplines and stakeholders represented. This facilitates a comprehensive understanding of projects risks and development of potential action plans.

C. FACILITY EXPANSIONS

For decades, we’ve provided solutions that meet the needs of municipalities, utility providers, and end users nationwide—with facilities ranging from single-user, onsite systems to major regional systems. We deliver efficient, reliable, sustainable, resilient solutions that save on capital and long-term costs. Our capabilities encompass all planning, design, permitting, and construction observation services for facility expansions. Our water reclamation facility expansions include supporting smaller expansions, such as increasing a 1.0 MGD to a 1.5 MGD for the City of Belleview and larger facility expansions from 1.0 MGD to 4.0 MGD for Babcock Ranch. No matter the size, Kimley-Horn understands how population growth and aging infrastructure put utilities under increased pressure and has experience to guide the County through the expansion process.

A list of water/wastewater facility expansions include:

- Belleview Water Reclamation Facility Expansion (1.0 MGD-AADF to 1.5 MGD-AADF)
- DeSoto County Regional Wastewater Treatment Plant Expansion (0.95 MGD to 2.0 MGD)
- Babcock Ranch Reverse Osmosis Expansion (1.0 MGD to 8.0 MGD)
- Lake Wales Wastewater Treatment Facility Rehabilitation/Expansion (1.9 MGD to 2.19 MGD)
- Peace River Water Treatment Expansion (24 MGD to 51 MGD) Kimley-Horn served as a subconsultant

D. ASSET/DATA MANAGEMENT

Kimley-Horn provides asset management services for organizations nationally and across various industries. Our approach is collaborative, customized, and scalable to meet the unique needs of our clients. Services include strategy/program development, business planning, risk assessment, infrastructure planning and condition assessment, decision support, business intelligence, and performance reporting. You need a partner who understands your priorities and knows how the performance of your assets is impacted over time, developing an approach to meet your needs.

With better information improving every day, Kimley-Horn recognizes that water-industry professionals possess unparalleled knowledge about their assets. The challenge lies in balancing this knowledge with increasing operational costs and consistent

revenue to make smart decisions. Investments in capital infrastructure and services demand novel insights. The time has come for digital solutions to leverage complex sources of information and transform the way utilities plan and operate. Kimley-Horn is prepared to meet these challenges for our clients. Digital transformation is not a simple, out-of-box solution; it requires customization with expert knowledge, experience, and understanding of the utility itself and the appropriate digital technologies. Our Digital Solutions team provides the following services to meet the needs of our clients:

- Customer and asset management and monitoring
- Process and analysis of real-time data
- Predictive analytics to simulate hotspots and trigger alerts
- Insightful results by putting data into context
- Data visualization with intuitive user interfaces
- Data storytelling with familiar user experiences

E. FDEP MAJOR PERMIT MODIFICATION

Kimley-Horn’s engineers, scientists, and planners maintain regular contact with virtually all key regulatory agencies and their decision-makers. Kimley-Horn continues to maintain a strong working relationship with FDEP and EPA on many projects. Our team is familiar with the Major Permit Modification process and has provided similar services for clients throughout Florida. We are experienced in preparing permit applications for FDEP, know what is required to gain approval, and excel in providing the high level of coordination that facilitates the permitting process. Kimley-Horn has also been a consultant to FDEP, which has helped us gain a better understanding of critical internal issues.

CONSTRUCTION MANAGER AT RISK (CMAR) EXPERIENCE

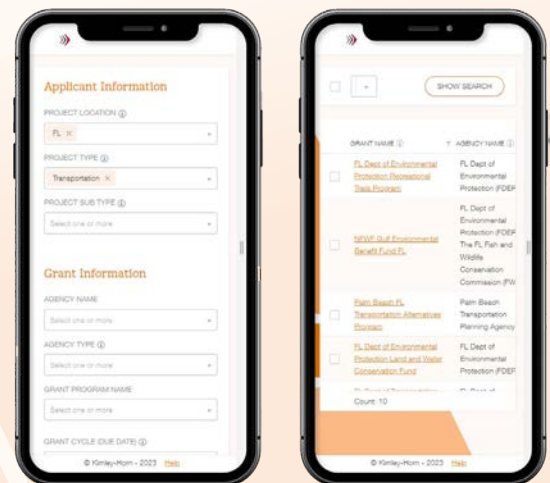
Kimley-Horn has gained an extensive amount of CMAR experience over the past few years as it has become a popular project delivery method, successfully delivering over \$100M in projects. Our team has experience with preparing CMAR RFQ documents, advising clients on CMAR protocols, sitting on CMAR selection committees and has overseen several CMAR projects. There are several key elements that make CMAR a successful delivery method. Our team has learned and mastered these key elements through our recent experience. The first key element is to develop a clear vision and a set of objectives for the project. This must be done at the beginning of the design process and include all major stakeholders. This is important because the contractor usually begins involvement between the 30% and 60% design stage and it is imperative that the owner, stakeholders, engineer, and contractor have a complete understanding and buy-in of the vision and project objectives.

Below is just a sampling of CMAR projects our team has worked on:

- West Villages Southwest Wastewater Reclamation Facility, North Port, FL
- Bay Laurel Center Community Development District (BLCCDD) 2.5-MGD Bay Laurel North Water Reclamation Facility WRF, Marion County, FL
- Babcock Ranch Water Reclamation Facility (WRF) Phase 3 Expansion, Babcock Ranch, FL

GRANT FUNDING

Obtaining adequate funding and the identification of potential funding sources is oftentimes necessary for successful project implementation. Kimley-Horn has helped clients secure more than \$2 billion over the past year. Our team members often manage complex regulations tied to the local use of federal funding and have been successful in obtaining grants for a number of municipalities and utilities. This experience includes assisting with grant packages for Water Infrastructure Finance and Innovation Act (WIFIA), American Rescue Plan Act (ARPA), Resilient Florida Grants, Community Development Block Grants (CDBGs), Florida Department of Environmental Protection State Revolving Fund (SRF) loan administration/grants, providing Davis-Bacon Act compliance where required, and the South Florida Water Management District grant programs.



As a result of our funding experience and success for our clients, we have developed a resource library of information on state and federal funding sources to assist you in making the most of available resources. Grantsource is an internal application containing more than 300 grant programs to assist our clients in identifying potential funding sources based on the specific project parameters. This tool, combined with the hands-on funding experience our team has, will position the County for complete success.

CYBER-INFORMED ENGINEERING (CIE)

The County is familiar with the growing need to account for current and future cybersecurity concerns within its critical infrastructure. Since the Burnt Store WRF serves as the only wastewater treatment facility in the County's south county collection system, it will serve as a critical facility to the residents of South County and CCU. The Kimley-Horn team recognizes that incorporating cybersecurity into engineering designs has become a requirement for funding sources as well as an industry standard. However, our team surpasses many of our competitors by incorporating cyber-informed engineering (CIE) principles throughout the planning, design, and construction phase of our projects. This allows us to extend "secure-by-design" concepts beyond the digital realm to include the engineering of cyber-physical systems. Our team accomplishes this by not only implementing digital monitoring and controls but engineering the system with physical and mechanical fail-safes within our design. **A2O Consulting, LLC** will support this effort by building digital and physical resilience into the WRF design working with utility staff, County IT, and third-party vendors to incorporate the County's standards as outlined in their SCADA master plan, following NIST industry standards and best practices, and coordinating with engineering and operations staff to enhance the operability and flexibility of the Burnt Store WRF. This process continues through startup and CEI services with the development of an O&M manual and incident response plan for the new WRF.

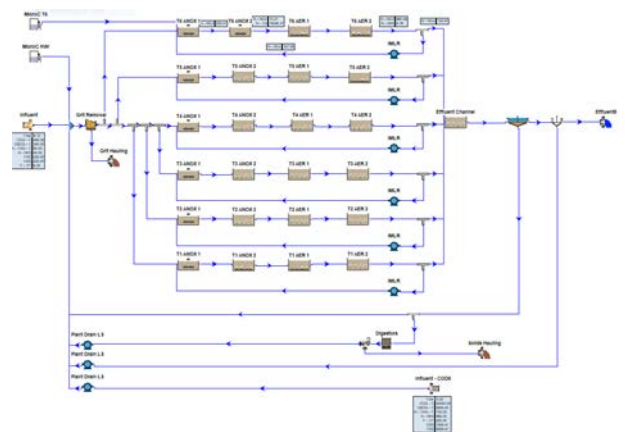
REVIT/BIM

Kimley-Horn has embraced the Building Information Modeling approach with architects using REVIT software. Kimley-Horn uses REVIT Structure to develop the structural model that can be continuously shared with other team members for project development. Kimley-Horn utilized the REVIT three-dimensional modeling software on several recent projects, including Sarasota County's Bee Ridge Water Reclamation Facility Septage Receiving Station, City of Wildwood Headworks Renovations, and the City of Gainesville Texas 4.0 MGD Wastewater Treatment Plant Improvements. Instead of the standard two-dimensional design using AutoCad, the three-dimensional modeling enabled operations staff to better visualize equipment placement, valve locations, obstructions, and operator ergonomics for a better overall project design. Even site access can be modeled for vehicles and 3D visualizing of grades and identification of grading issues.



WASTEWATER PROCESS MODELING (BIOWIN)

Wastewater process modeling is a critical component to wastewater process design, optimization, and troubleshooting. BioWin is a wastewater treatment process simulator that ties together biological, chemical, and physical process models. Kimley-Horn offers wastewater process engineering expertise utilizing BioWin to support Florida wastewater process design. BioWin services offered include model development, calibration, alternatives evaluations, process optimization, liquid and solids stream evaluations, process savings, energy savings strategies, design, and operator training. We have over six licenses available within Florida and we offer annual training to our analysts to keep our process modeling team up to speed with current modeling trends and practices. Our BioWin services coupled with in-house wastewater sampling and characterization allows us to provide comprehensive and cost-effective wastewater solutions for our clients.



KIMLEY-HORN'S INTEGRATED PUMP STATION PROGRAM

Kimley-Horn's Lift Station Performance Evaluation Program provides owners with valuable information for the ongoing maintenance and operation of sewage pump stations as well as capital improvements planning. Kimley-Horn uses the innovative XAK-PACK (pronounced "zak-pack") system and other specialized instruments to measure the performance of pumps and motors.

LIFT STATION PERFORMANCE EVALUATION

- ✓ Saves O&M time
- ✓ Saves money
- ✓ Identifies lift station issues (pressures, flow, hydraulic, and electrical)
- ✓ Reduces down time

»» XAK-PACK

A Kimley-Horn Smart Utility Solution

DRONE SERVICES

Kimley-Horn has an in-house Sarasota team of certified and insured FAA Part 107 drone pilots. Our pilots have the experience and the know-how to perform missions that produce stunning photography and engaging video from perspectives that normally could not be captured any other way. Our team also provides survey and inspection services using state-of-the-art photogrammetry techniques with high-end sensors and intelligent autonomous drones. All data captured with our drones are processed in the cloud and can deliver highly accurate 3D point clouds, contours, and DEM information in a matter of hours.



ESRI PRODUCTS/GIS TOOLS

Digital transformation is not a simple, out-of-box solution. These efforts must be customized with expert knowledge, experience and understanding of the utility itself as well as the types of digital technologies that are appropriate for the organization. The Kimley-Horn team brings a wealth of experience using state-of-the-art data analysis and a strong team of GIS professionals. Geographic information system (GIS) technology and applications have become essential for all aspects of municipal government, including those related to water and sanitary sewer system management. The GIS team at Kimley-Horn understands this and has the ability to perform high-level geospatial analysis and produce presentation quality maps using a suite of GIS software and tools that include ESRI ArcGIS 10, ArcGIS Online, and various modeling software (SewerGEMs and WaterGEMs).

IN-HOUSE WASTEWATER SAMPLING AND CHARACTERIZATION



To accomplish cost-effective characterization, Kimley-Horn has established relationships with multiple local analytical laboratories that typically participate in wastewater analysis in addition to our own in-house sampling capabilities to conduct a large portion of the analyses required. Our team is trained to work on-site with our multi-parameter portable colorimeters, portable multimeter's, and probes (e.g. COD, filtered COD, filtered flocculated COD, ammonia, nitrate, total nitrogen, total phosphorus, etc.) to increase the quantity of data and provide better data trending. This approach enables a cost-effective method of obtaining detailed wastewater characterization results for process model calibration. Additionally, with our local team minutes away from the facility, we can work closely with operation staff to develop a sampling plan where our team can provide the needed support on a moment's notice to your operations staff.

VIII

VOLUME OF WORK



VIII. VOLUME OF WORK – TOTAL OF PAYMENTS RECEIVED FROM COUNTY WITHIN THE PAST 24 MONTHS

In the past 24 months, Kimley-Horn has received a total of \$1,330,945 in payments from Charlotte County (based on executed contracts with the County). Kimley-Horn has 12 current or scheduled County projects.



IX

LOCATION

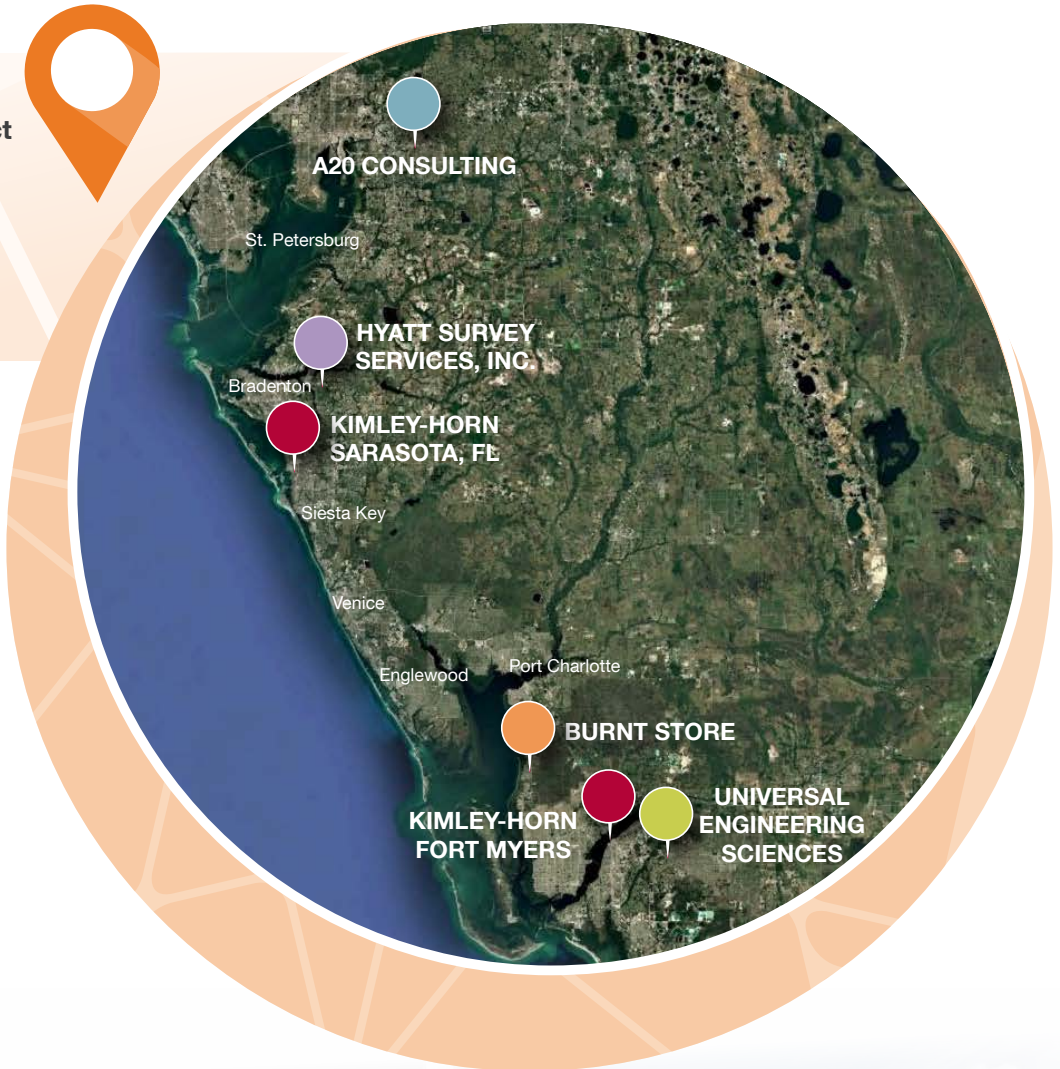
IX. LOCATION

Kimley-Horn has a vested interest in Charlotte County and its existing and future needs. To provide a strong local presence and maximize our local staff, we will be performing all services for Charlotte County from our well-staffed Sarasota and Fort Myers offices. The proximity of these resources will help to ensure project manager, Jeff Goodwin, and client manager, Ashley Miele, PE, and their carefully selected team of seasoned professionals are able to consistently provide the County with the dedicated responsiveness and personal communication it deserves and knows to expect from Kimley-Horn. We will be available to you in the short- and long-term duration of this contract to help you with whatever challenges or questions you may encounter.

Our local Fort Myers office is a 30-minute drive from the project location, enabling us to meet your needs with the benefit of an exceptional local team with specialized expertise, offering immediate local support and responsiveness.

ADDRESSES

- Sarasota - 1800 2nd Street, Suite 900, Sarasota, FL 34236
- Fort Myers - 1514 Broadway, Suite 301, Fort Myers, FL 33901
- Burnt Store - 17430 Burnt Store Rd, Punta Gorda, FL 33955
- A20 Consulting, LLC - 1007 Morfield Ln, Brandon, FL 33511
- Hyatt Survey Services, Inc. - 2012 Lena Road, Bradenton, FL 34211
- Universal Engineering Sciences - 201 Waldo Ave N, Lehigh Acres, FL 33971



X

LITIGATION

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

Kimley-Horn and its subsidiaries have provided services in all 50 states and numerous countries. Because of the many and varied projects we have completed, we are subject to various legal proceedings from time to time and in the ordinary course of business. It is not practical to provide a complete list as part of this proposal. In the last five (5) years, Kimley-Horn has had more than 27,624 active projects in Florida, 32 of which had some form of litigation. Of these cases, 3 were dismissed, 21 were settled, and 8 are pending. **This represents 0.1158% of all projects completed by Kimley-Horn in Florida over the past five years.** None of the pending cases, if decided against Kimley-Horn, would have a material impact on our financial statements or impair in any way our ability to serve our clients. Generally, these matters are covered by insurance, and we consider them to be without merit. If you would like to discuss our legal matters in more detail, please contact Kimley-Horn's General Counsel, Richard Cook, at 919.677.2058.

Legal proceedings in Florida within the past five years are as follows:

3315 Tower Condominium Association, Inc., v. Tower 3315, LLC, et al; 11th Judicial Circuit Court, Miami-Dade County, FL; Cause No. 2020-019825-CA-01; filed 2020; alleged economic loss; settled; closed 2021.

Acosta Tractors, Inc. v Biltmore Construction Co, Inc, et al; In the Circuit Court of the 11th Judicial Circuit of Miami-Dade, Florida; Cause No 18-020135-CA-25; filed 2018; served 2022; alleged economic loss; pending

Enrique R. Antezana, et al. v Kimley-Horn and Associates, Inc.; Applied Technical Services, LLC; and City of Miramar; 17th Judicial Circuit for Broward County, Florida; Case No. CACE23012261; filed 2023; alleged property damage; pending

Kala Gurley, as Personal Representative of the Estate of Jerry Bell, Deceased v Marriott International, Inc., et al; 9th Judicial Circuit Court, Orange County, FL; Case No. 2019CA108550; wrongful death claim; dismissed; closed 2019.

Kathleen Conti v. Simon Property Group, Inc., et al; 15th Judicial Circuit Court Palm Beach County; Case No. 502017CA008616XXXXMB Division: AE; filed 2017; personal injury claim; settled; closed 2019.

Angela Briguglio v Palm Avenue Hospitality Holdings LLC, et al; In the Circuit Court of the 12th Judicial Circuit of Sarasota County, Florida; Cause No 2022-CA-3952-NC; filed 2022; served 2022; alleged personal injury; settled; closed 2023

Vernon Brown v. Marriott International, Inc., et al; 9th Judicial Circuit Court, Orange County, FL; Case No. 2019CA0078250; filed 2019; personal injury claim; dismissed; closed 2019

Community Asphalt Corporation v. Wantman Group, Inc., et al; Florida Department of Transportation; 11th Judicial Circuit Court, Miami-Dade County, FL; Cause No. 2018-029816-CA-01; filed 2018; alleged economic loss; settled; closed 2023

Cone & Graham, Inc. v. Kimley-Horn and Associates, Inc.; In the Circuit Court of Broward County, Florida; Cause No. CACE-21-014631; filed 2021; alleged economic loss; settled; closed 2022

Kathleen Conti v. Simon Property Group, Inc., et al; 15th Judicial Circuit Court Palm Beach County; Case No. 502017CA008616XXXXMB Division: AE; filed 2017; personal injury claim; settled; closed 2019.

Jennifer Curell v Florida Department of Transportation, et al; 19th Judicial Circuit in and for St. Lucie County, Florida; Cause No. 562022CA001297AXXXHC; alleged personal injuries claimed; settled; closed 2024

Florida Silt and Sod, Inc. v. City of Plant City, et al; 13th Judicial Circuit Court, Hillsborough County, Florida; Case No. 22-CA-004094; filed 2022; alleged economic loss; settled; closed 2023

Irene Gomes v. Aldi, L.L.C., et al; In the Circuit Court of the 11th Circuit, Miami-Dade County, Florida; Cause No. 2020-009878-CA-01; filed 2020; served 2022; alleged personal injuries claimed; settled; closed 2022

Iconbrickell Master Association, Inc. v Complete Property Services, Inc., et al; 11th Judicial Circuit, Miami-Dade County, Florida; Case No. 2023-028981-CA-0121; filed 2023; served 2024; alleged property damage claimed; pending

Barbara Kline v. Simon Property, et al; 15th Judicial Circuit Court Palm Beach; Case No. 502019CA009926; filed 2019; served 2021; personal injury claim; settled; closed 2022



Grande Oaks at Heathrow Association v Kolter Signature Homes, et al; 18th Judicial Circuit Court, Seminole County; Case No. 2020-CA-003188; filed 2020; alleged economic loss; settled; closed 2023.

Heron Bay Community Association, Inc. vs. WCI Communities, LLC, et al; 15th Judicial Circuit Court, Broward County; Case No.: CACE16003120; filed 2016; alleged economic loss; settled; closed 2020

Jennifer Lancaster v. VCC, LLC, et al; 15th Judicial District Court of Palm Beach County, Florida; Cause No. 502019CA011526; filed 2019; served 2020; alleged personal injuries claimed; settled; closed 2021.

Adrian E. Langford v. Suffolk Construction Co., et al; 12th Judicial Circuit Court, Sarasota County, FL; Cause No. 582020CA005449XXXANC; filed 2020; served 2021; alleged personal injuries claimed; pending

Medline Industries, Inc. V. McShane Construction Company, LLC v. Ware Malcomb, Inc., et al.; 10th Judicial Circuit Court, Polk County, FL; Case # 2020-CA-0022790; filed 2020; alleged economic loss; settled; closed 2023

Lawrence Milder v. RT GeoSolutions Inc., et al; In the Circuit Court of the 17th Judicial District Court, in and for Broward County, Florida; Case No. 20-020512(25); filed 2020; served 2023; alleged personal injuries claimed; Kimley-Horn dismissed; closed 2023

Harris Mitchell v. Frank Anderson, et al; 15th Judicial Circuit Court, Palm Beach County, Florida; Case No. 50-2019-CA-006676; filed 2019, served 2020; alleged personal injuries claimed; settled; closed 2020

Morrison-Cobalt JV v. Kimley-Horn and Associates, Inc.; 11th Judicial Circuit in and for Miami-Dade County, Florida; Cause No. 2021-013239-CA-01; alleged economic loss; pending

Yolanda Peaslee v The City of West Palm Beach, et al; Circuit Court of the 15th Judicial Circuit, Palm Beach County, Florida; Cause No. 502021CA004964XXXMB; personal injury claim; settled; closed 2023

Sherri Reed v. Town Center Boca Raton Trust, et al; 15th Judicial Circuit Court Palm Beach; Case No. 21CA005161; filed 2021; personal injury claim; settled; closed 2023

Christ Rose v. Wal-Mart Stores, Inc., et al; 17th Judicial Circuit Court, Broward County, FL; Cause No. CACE-18-027255; filed 2018; served 2020; alleged personal injuries claimed; settled; closed 2021

Sema Construction, Inc. v. City of Altamonte Springs; 18th Judicial Circuit Court, Seminole County; Case No. 2015-CA-002951-15-W; filed 2016; alleged economic loss; settled; closed 2024

Esther Silberman v Town Center at Boca Raton, et al; 15th Judicial District Court of Palm Beach Co, Florida; Cause No. 50-2018-CA-009724-MB; filed 2018; served 2021; alleged personal injuries claimed; settled; closed 2021

Kevin Sona, et al v. Stone Creek Community Association, et al; Circuit Court of the Fifth Judicial Circuit, Marion County, FL; Case # 20CA0026; filed 2020; served 2021; alleged personal injuries claimed; settled; closed 2022

Donald Stroman, Jr. v FDOT, et al; Cause No. 2023-CA-007165-O; In the Ninth Judicial District Court of Orange County, Florida; filed 2023; alleged personal injuries claimed; pending

Terrazas Riverpark Village Condominium Association, Inc. v. Windmoor Project LLC, et al; 11th Judicial Circuit Court, Miami-Dade County, FL; Cause No. 2020-017647-CA-01; filed 2020; alleged economic loss; settled; closed 2021

Wal-Mart Stores East, LP, et al. v. Bandes Construction Company, Inc., et al; 15th Circuit Court, Palm Beach County; Case No. 2019CA005775; filed 2019; alleged economic loss; settled; closed 2019

Leticia Zavala, as Personal Representative of the Estate of Lorenzo Zavala, Deceased v Marriott International, Inc., et al; 9th Judicial Circuit Court, Orange County, FL; Case No. 2019CA9781O; wrongful death claim; dismissed; closed 2019.

Royal Palm Polo Property Owners Association, Inc. v. Toll FL I, LLC, et al; In the Circuit Court of the 15th Judicial Circuit, Palm Beach County, Florida; Cause No. 50-2024-CA-006059XXXAMB; Filed 2024; alleged economic loss, pending

Julington Lakes Homeowners Association, Inc. v Toll FL XIII Limited Partnership, et al; In the Circuit Court of the 7th Judicial Circuit, St. Johns County, Florida; Filed 2024; alleged economic loss, pending

XI

MINORITY BUSINESS



XI. MINORITY BUSINESS

Kimley-Horn is not a Minority-Owned Business Enterprise (MBE). However, we always look for opportunities to include small and disadvantaged businesses in our contracts and through teaming agreements. **For this contract Kimley-Horn has partnered with Hyatt Survey Services Inc., a W/MBE who will provide survey services.**

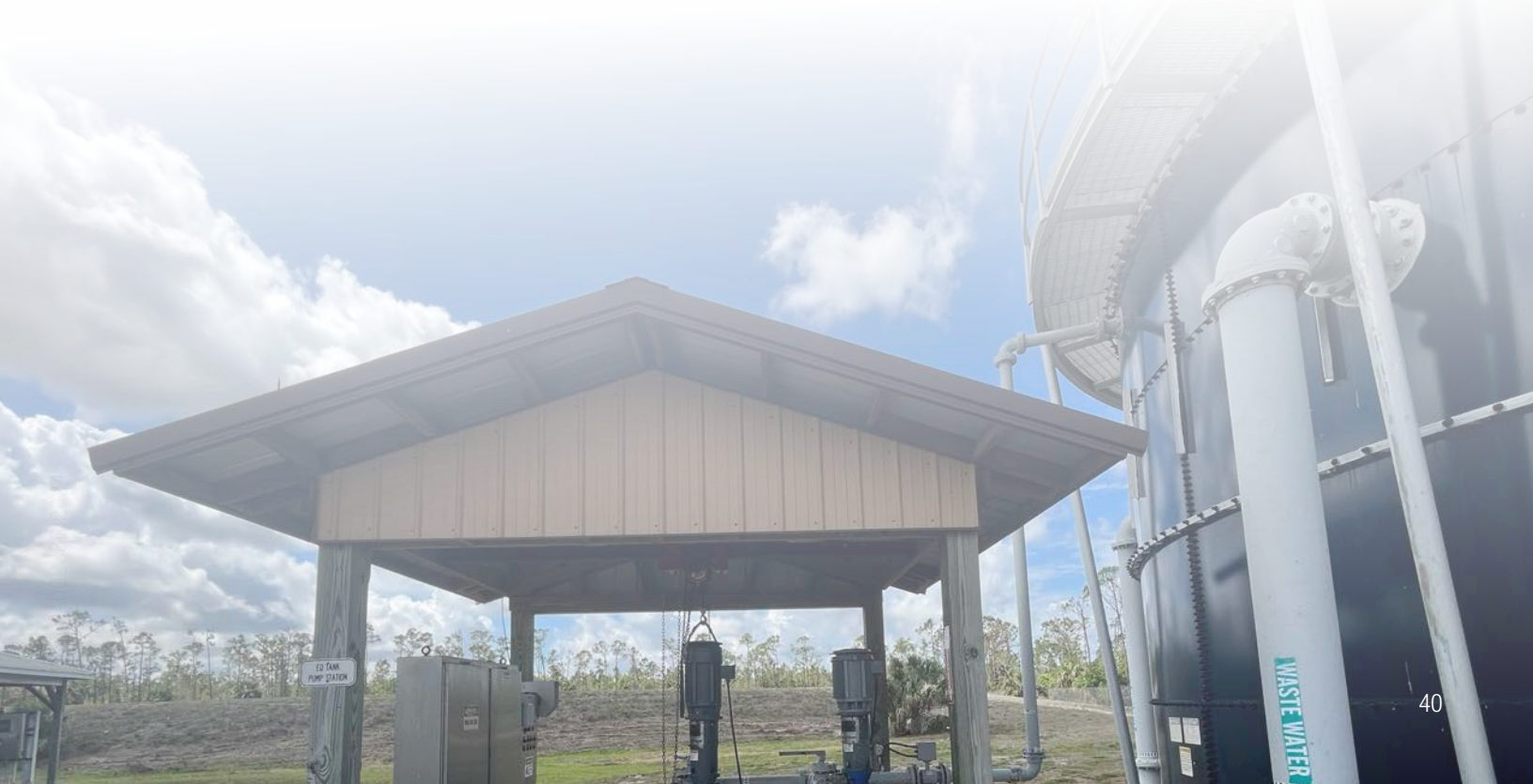
Kimley-Horn has a company policy of meeting or exceeding our clients' stated minority business participation goals. Through corporate policies and philosophy, the firm actively seeks to encourage and promote the use of MBE firms. We provide interested minority firms with the opportunity to serve as a subconsultant on our teams and throughout the year, actively seeking to increase and update our large database of qualified MBE firms to use on future projects. Our aggressive MBE utilization policy confirms that Kimley-Horn is furthering the positive economic development momentum that the state of Florida advocates using MBE businesses by its contractors.

Our commitment to retaining minority firms to assist on projects is demonstrated by the amounts Kimley-Horn has paid to minority businesses during the past five years:



Year	Total Amount Paid	Number of M/D/SBE Firms Used
2023	\$93.9 Million	769
2022	\$71.1 Million	716
2021	\$54.6 Million	608
2020	\$54.5 Million	553
2019	\$41.5 Million	364

Our commitment to these minority firms totals \$428+ million since 2001.



XIII

PROPOSAL 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
	Please refer to following page for				
	full list of personnel				

2.	Magnitude of Company Operations		
	A) Total professional services fees received within last 24 months:		\$ 3,451,538,658
	B) Number of similar projects started within last 24 months:		1,763
	C) Largest single project to date:		\$ 110,181,961

3.	Magnitude of Charlotte County Projects		
	A) Number of current or scheduled County Projects		12
	B) Payments received from the County over the past 24 months (based upon executed contracts with the County).		\$ 1,330,945

4.	Sub-Consultant(s) (if applicable)	Location	% of Work to be Provided	Services to be Provided
	A20 Consulting	Brandon, FL	10%	Construction Phase Services
	Hyatt Survey	Bradenton, FL	10%	Survey/SUE
	Universal Engineering Services	Lehigh Acres, FL	10%	Geotechnical

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	Please see statement below.	

Kimley-Horn's list of private sector clients include entities that have properties all across the United States. As such, we do not have access to lists of all properties that they might have an interest in within the areas affected by this project, and due to non-disclosure agreements, we cannot disclose any information on contracts for private-sector clients. Kimley-Horn does not have any properties of interest within the areas affected by this project, and to the best of our knowledge, neither do any of our officers. Furthermore, Kimley-Horn has more than 1000 officers nationwide and we do not have access to a list of their personal properties that might be within the areas affected by this project. There are no circumstances that would cause there be a conflict of interest in performing our services for Charlotte County.

NAME OF FIRM Kimley-Horn and Associates, Inc.

(This form must be completed and returned)



Proposal Signature Form Chart

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
Lewis Bryant, PE	24	Fort Myers	Fort Myers	Fort Myers
Ashley Miele, PE	23	Sarasota	Sarasota	Sarasota
Jeff Goodwin	25	Sarasota	Sarasota	Bradenton
Doug Eckmann, PE	41	Fort Myers	Fort Myers	Estero
Steve Romano, PE	28	Orlando	Orlando	Merritt Island
Madeline Kender, PE	8	Sarasota	Sarasota	Sarasota
Matt Tebow, PE	10	Vero Beach	Vero Beach	Wellington
Dan Bornmann, EIT	7	Sarasota	Sarasota	Bradenton
Jennifer Klama	6	Sarasota	Sarasota	Sarasota
Jordan Walker, PE	13	St. Petersburg	St. Petersburg	St. Petersburg
Mike Semago, PE	12	St. Petersburg	St. Petersburg	Tampa
Ramon Diaz	25	Sarasota	Sarasota	Sarasota
Clayton Scelzi	17	St. Petersburg	St. Petersburg	St. Petersburg
Ian Flemings, PE	16	St. Petersburg	St. Petersburg	Tampa
Seth Schmid, PE	29	Sarasota	Sarasota	Bradenton
Ty Gremaux, PE	19	Sarasota	Sarasota	Bradenton

6. Minority Business:

Yes (sub) No

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.

Comments or Additional Information: Kimley-Horn has a policy of meeting or exceeding our clients' stated MBE participation goals. Kimley-Horn is not a certified MBE, but through corporate policies and philosophy, the firm actively seeks to encourage and promote the use of MBE firms. We provide interested minority firms with the opportunity to serve as subconsultants on our teams and throughout the year, actively seeking to increase and update our large database of qualified MBE firms to use on future projects. Our aggressive MBE utilization policy helps ensure that Kimley-Horn is furthering the positive economic development momentum that the State of Florida advocates through the use of MBE businesses by its contractors. For this contract, we are partnering with Hyatt Survey, a Florida Certified WBE.

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. 1 Dated 10/14/24 Addendum No. _____ Dated _____ Addendum No. _____ Dated _____
Addendum No. _____ Dated _____ Addendum No. _____ Dated _____ Addendum No. _____ Dated _____

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

Kimley-Horn and Associates, Inc. 919.677.2000
Firm Name Telephone

N/A 56-0885615
Fictitious or d/b/a Name Federal Employer Identification Number (FEIN)

421 Fayetteville Street, Suite 600
Home Office Address

Raleigh , NC, 27601 57
City, State, Zip Number of Years in Business

1800 2nd Street, Suite 900, Sarasota, FL 34236
Address: Office Servicing Charlotte County, other than above

Ashley Miele, PE 941.730.0783
Name/Title of your Charlotte County Rep. Telephone

M. Lewis Bryant, Vice President
Name/Title of Individual Binding Firm (Please Print)

 10/24/24
Signature of Individual Binding Firm Date

ashley.miele@kimley-horn.com
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 Kimley-Horn and 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

10/24/24
Date

(This form must be completed & returned)

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

Charlotte County Contract #2024000597

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

Malcolm Lewis Bryant

Printed Name

Senior Vice President

Title

Kimley-Horn and Associates, Inc.

Nongovernmental Entity

10/24/24

Date

END OF PART IV

(This form must be completed & returned)



PURCHASING DIVISION

Charlotte County Administration Center
18500 Murdock Circle, Suite 344
Port Charlotte, Florida 33948-1094

Phone 941.743.1378

Fax 941.743.1384

TO: PROSPECTIVE PROPOSERS

DATE: OCTOBER 14, 2024

RE: ADDENDUM #1, RFP NO. 2024000597, BURNT STORE WATER RECLAMATION FACILITY MAJOR DESIGN PERMIT MODIFICATION

PROPOSAL DUE DATE: 3:00 p.m. (EST), OCTOBER 25, 2024

Firms are hereby notified that this addendum shall be made a part of the above-named proposal and contract documents. The following are issued to revise/clarify the proposal and contract documents, and these items shall have the same force and effect as the original proposal and contract documents. Proposals to be submitted on the above-specified date at Purchasing shall conform to the revisions and clarifications as listed herein.

ITEM # 1 DUE DATE EXTENSION: Due date has been extended to 3:00 p.m. (EST), OCTOBER 25, 2024.

This addendum is binding and is to be considered as if contained within the original proposal documents of RFP No. 2024000597. Firms are required to acknowledge receipt of this addendum on their proposal forms.

A handwritten signature in black ink that reads "Kimberly A. Corbett". The signature is stylized and cursive.

Kimberly A. Corbett, C.P.M., CPPB
Senior Division Manager - Purchasing

KAC/rm

cc: Professional Services Committee
Clerk
File