Prepared for:

Charlotte County

RFP NO. 20250608

DESIGN SERVICES - 2025
LIFT STATION REPLACEMENTS

Prepared by:

Kimley»Horn

Expect More. Experience Better.

IWFLSARA010524.2025

COVER LETTER

September 25, 2025

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

RE: DESIGN SERVICES – 2025 LIFT STATION REPLACEMENTS (RFP NO. 20250608)

Kimley-Horn and Associates, Inc.
1800 2nd Street, Suite 900
Sarasota, FL 34236

Ashley Miele, PE
Project Manager/Lead Designer

Dear Members of the Professional Services Committee:

As Charlotte County seeks a professional engineering firm for the design, rehabilitation, and relocation of five lift stations, **Kimley-Horn** is pleased to submit our qualifications and express our sincere desire to serve as your consultant of choice. We understand the critical role that lift station infrastructure plays in supporting the County's wastewater system, protecting public health, and accommodating future growth. Our team is prepared to deliver innovative, cost-effective solutions that will serve Charlotte County residents for years to come.

EXPERIENCED PROJECT MANAGEMENT. Our project team will be led by **Ashley Miele, PE,** who brings 23 years of project management experience in Southwest Florida, including extensive work with Charlotte County Utilities. Ashley has successfully managed planning, design, permitting, and construction administration for water and wastewater infrastructure projects throughout the region. Her leadership ensures a seamless process from preliminary engineering through construction, with a focus on regulatory compliance, stakeholder coordination, and timely delivery. Ashley's familiarity with Charlotte County's standards and expectations, combined with her hands-on approach, will be instrumental in the success of this project.

COMPREHENSIVE TEAM. Our team includes professionals with extensive experience in lift station design, permitting, and construction, as well as specialized expertise in SCADA systems, electrical engineering, and environmental permitting. We have assembled a group of engineers, designers, and permitting specialists who have worked together on similar Charlotte County projects, ensuring continuity and efficiency. We are supported by trusted subconsultants **Hyatt Survey Services, Inc.** for survey/SUE services and **Universal Engineering Sciences, Inc.** for geotechnical services, both of whom are familiar with Charlotte County's requirements.

A RELATIONSHIP BUILT TO LAST. Building strong relationships is important to our team. **Ashley Miele, PE,** has assembled a team aligned with the County's staff and will continue strengthening our long-standing relationships with the County. She has created a team that has worked on projects similar in scope, is familiar with the County's expectations, and knows what it takes to deliver a successful project. Additionally, Ashley understands the County's future goals, challenges, and opportunities. She understands the importance of responsiveness as well as the technical experience to handle every aspect of the County's goals under this contract. Our team doesn't just complete tasks but delivers successful projects that will serve Charlotte County for years to come. We believe creating a long-lasting partnership with the County is imperative to meeting the County's expectations.

LOCAL RESPONSIVENESS. Our Sarasota office will serve as the primary hub for this assignment, providing a strong local presence and maximizing our ability to respond quickly to project needs. Additionally, our team includes our Fort Myers office to provide additional resources, expertise, and further our local presence. We will work diligently, encouraging open communication to keep you informed about project activities and primary schedule achievements. From our previous work history with Charlotte County, your staff knows we are committed to working with you as a partner, offering you the most effective level of communication to relay project issues, progress, and results that best serve your needs in a timely manner.

COMMITMENT TO CHARLOTTE COUNTY. We are confident that our team's qualifications, combined with our understanding of the County's needs and our commitment to excellence, make us a strong partner for this important work. We will go the extra mile to deliver highly responsive service and solutions suitable for Charlotte County's needs and goals. Kimley-Horn is proud of our long-standing relationship with the County, and we look forward to the opportunity to serve you.

Sincerely,

Kimley-Horn and Associates, Inc.

Ashley Miele, PE
Project Manager/Lead Designer

Lewis Bryant, PE
Principal-in-Charge/Senior Vice President

- *As a Senior Vice President of the firm, Lewis Bryant, PE, is legally authorized to bind Kimley-Horn for this contract.*
- *This proposal was made without collusion with any other person or entity submitting a proposal pursuant to this RFP. For the purposes of this proposal, all persons or entities named in this proposal are principals, as stated on page 11 of RFP 20250608 under RP-23 Rules for Proposals.*
- *The project manager or principal, as well as the designer, will not be substituted without the express permission of the County.*

Kimley»Horn

Certificate of Secretary

To Whom It May Concern:

I am the duly qualified and acting Secretary of Kimley-Horn and Associates, Inc., a North Carolina Corporation.

The following is a true copy of a resolution duly adopted by the Board of Directors of the corporation at the Board meeting held on December 17, 2024 and entered in the minutes of such meeting in the minute book of the corporation.

"The Board unanimously approved the contract signing authority of employees as presented." (Copies of the employee lists as presented are enclosed.)

The resolution is in conformity with the articles of incorporation and bylaws of the corporation, has never been modified or repealed, and is now in full force and effect.

Dated: December 18, 2024

Richard N. Cook, Secretary

(corporate seal)

Kimley-Horn and Associates, Inc.
FULL CONTRACT SIGNING AUTHORITY
December 17, 2024

The following individuals have authority to sign both standard and non-standard agreements directly related to serving clients ("Project Agreements"). Project Agreements include client contracts, subcontracts, project-specific vendor agreements, IPO's, contract amendments, non-disclosure agreements, teaming agreements, project-specific equipment and facility rental agreements for specific projects, and certifications related to proposals. This document does not grant authorization to sign other types of contracts or legal documents not directly related to client service such as office leases, software purchase or license agreements, tax returns, purchase agreements for supplies, or agreements to procure accounting, legal, recruiting, or similar services.

ATLANTIC

BALTIMORE CITY
Kraft, Jonathan H.
Miller, Sean T.
Murphy, Erin M.
Smith, Jeff B.

BALTIMORE COUNTY
Leffner, Nicholas J.
Hutton, Heather

BOSTON
Jacques, Christopher
Keegan, Katherine A.

CHARLOTTESVILLE
Oliver, Jonathan H.

HARRISBURG
Bankert, Larry I.
McGinley, Steve M.

LOUDOUN
Bollinger, Kyle T.
Giffin, Geoffrey D.
Stevens, Ross S.

NORTHERN VIRGINIA
Carter, Erica V.
D'Alessandro, Jonathan J.
Elman, Paul D.
Frosch, Colin
Howell, Christopher M.
Kauppila, John L.
Knox, Sarah E.
Koopman, Jennifer R.
Lefton, Steven E.
Millot, Sean M.
Musson, David B.
Powell, Meredith P.
Prunty, Robert W.
Samba, David B.
Sauro, Thomas J.
Schrader, Carly N.
Smith, Andrew T.
Teague, M. Zach
Whyte, Richard D.

PHILADELPHIA
CENTER CITY
Harmon, Amanda R.
Hughes, Paul W.
Morgan, Taylor M.

PITTSBURGH
Beaves, Adele M.
Beduhn, Tyler J.
Moldovan, William

PRINCETON
Diggan, Tony W.
Gibson, Adam T.

RICHMOND
Chance, Maxwell P.
Crum, Katie E.
Dougherty, Sean P.
Harrell, Matthew T.
Hill, Corey W.
Lickliter, Ashley C.
McCray, Danielle R.
McPeters, Brian A.
Perkins, Ryan R.
White, Timothy E.

VIRGINIA BEACH
Chambers, Jon S.
Dallman, David B.
Davidson, Scott O.
Falk, Katherine W.
Farthing, Andrew P.
France, William D.
Funk, Gerald S.
Holland, Kimberly R.
Holland, Stephen R.
Mackey, William F.
Mertig, Karl E.
Moser, Emily A.
Niss, Robyn M.
Schmitt, Gregory H.
Votava Charles F.
Wharton, Michelle L.
Williams, Kyle D.
Yee, Leong Wee

WHITE PLAINS
Canning, Thomas J.
Van Hise, Kevin A.

CALIFORNIA

COACHELLA VALLEY
Sutton, Mike S.

LONG BEACH
Hewitt, Melissa A.
Phillips, Chad E.
Starkey, Jonathan H.

LOS ANGELES
Duong, Danh
Fares, Jean B.
Kyle, Gregory S.
Phaneuf, Alyssa S.
Ranta, Shahrzad

MONTEREY
Falgout, Mark A.

OAKLAND
Akwabi, Kwasi
Colety, Mike D.
Dankberg, Adam J.

ORANGE
Adrian, Darren J.
Bossu, David M.
Glaze, Jacob S.
Kerry, Nicole M.
Matson, Jason B.
Marechal, Jason A.
Melchor, Jason J.
Melvin, M. Pearse

PLEASANTON
Chazbek, Chadi
Johnson, Miles R.
Mowery, Michael C.
Sowers, Brian E.

RIVERSIDE
Cowan, Eugene D.
Pollock, John A.

SACRAMENTO
Bhatt, Sheetal K.
Melvin, Enda
Pittalwala, Fareed S.
Schmitt, Michael L.
Tait, Zachary T.
Weir, Matthew D.

SANTA CLARITA
Chakravarthy, Srikanth

SAN DIEGO
Barlow, Matthew T.
Becker, Justin S.
Harry, Jennifer L.
Kaltsas, Joseph D.
Madsen, Michael P.
McCormick, Matthew B.
McWhorter, Samuel L.
Podegracz, Anthony J.
Ulery, Megan R.
Valencia, Jason B.

SAN JOSE
Hedayat, Leyla
Mehta, Parag G.
Venter Frederik J.

SAN MATEO
Pulliam, John E.

CAROLINAS

CHARLESTON
Edmonson, William C.
Guy, Jonathan R.

CHARLOTTE
Blakley, Jr., Stephen W.
Denney, Seth A.
Edwards, Matthew A.
Lewis, Ryan T.
Racer, Joseph M.
Taylor, Benjamin S.

COLUMBIA
Iser, Christopher M.

DURHAM
DOWNTOWN
Lewellyn, Earl R.
Raney, Nolan D.

FORT MILL
Holcomb, John E.

GREENVILLE
Hensley, Stephen A.

HOLLY SPRINGS
Brewer, William J.

RALEIGH
Adams, Richard C.
Barber, Barry L.
Beck, Chadwick W.
Brewer, Brian J.
Cochran, Adam P.
Cook, Richard N.
Flanagan, Tammy L.
Glass, Brianne M.
Howell, Cory J.
Keil, Ashley R.
Kuzenski, John D.
Leverett, Christopher C.
Meador, Emily H.
Netzer, Lesley E.
Thompson, Erin K.

CENTRAL

DALLAS
Fraccaro, Joseph A.
Galloway, Steven D.
Harris, Mark E.
Henrichs, Tyler B.
Hoppers, Kevin P.
Moss, Bradley J.
Rader, Aaron K.
Samarripas, Anthony M.
Sulkowski, Nicholas E.
Williamson, Sarah T.

FORT WORTH
Arnold, Douglas M.
Arnold, Scott R.
Atkins, John R.
Hill, Bradley J.
Igo, Chris P.
James, Richard J.
Kubista, Kyle P.
Nathan, Aaron W.
Webb, Floyd C.

FRISCO
Coppin, Thomas G.
McCracken, Paul D.
Dickey, Kyle A.
Ross, Casey J.

IRVING/LAS COLINAS
Ante, Louis N.

FLORIDA

BOCA-DELRAY
Webber, Jason A.
Haggerty, Jordan L.

DAYTONA BEACH
Stubbs, Jarod C.

FORT LAUDERDALE
Alam, Mudassar M.
Capelli, Jill A.
Cordasco, John L.
Dabkowski, Adrian K.
Emmons, Erin N.
Falce, Christopher T.

Kimley-Horn and Associates, Inc.
FULL CONTRACT SIGNING AUTHORITY
December 17, 2024

McWilliams, John J.
Robertson, Stewart E.
Viola, Stefano F.

FORT MYERS
Bryant, M. Lewis
Clark, Kellie R.

GAINESVILLE
Brighton, Ali H.
Towne, Christopher D.

JACKSONVILLE
Brenny, Martin T.
Deitsch, Brian S.
Mecca, Joseph P.
Mullis, Raiford M.
Roland, George E.
Shelton, Mark W.

LAKELAND
Lewis, Jason A.
Wilson, Mark E.
White, Wayne E.
Wynn, Jared M.

LAKE NONA
Ashby, Brian S.
Stickler, Brooks A.

MELBOURNE
Husainy, Kinan F.

MIAMI
Almonte, Leonte I.
Baldo, Burt L.
Buchler, Aaron E.
Collier, Julio A.
Fernandez, Jorge L.
Fye, Barton J.

OCALA
Busche, Richard V.
Gartner, Amber L.
Losito, Gene B.

ORLANDO
Chau, Hao T.
Lenzen, Brent A.
Littrell, Lance R.
Martin, Jonathan A.
Mingonet, Milton S.
Roberts, Heather A.
Thigpen, Jonathan D.
Wetherell, Ryan S.

PALM BEACH GARDENS
Long, Jamea M.
Meyer, Alexis E.

SARASOTA
Cianfaglione, Christopher D.
Klepper, B. Kelley
Leep, Jordan E.
Pankonin, James R.
Schmid, Seth E.

ST. PETERSBURG
Arriaga, Brooke R.
Bishop, Mark C.
Dodge, Dawn M.
Walker, Jordan W.

TALLAHASSEE
DeVeau, Zachariah A.
Kalbli, Shawn C.
Lewis, Kelsey V.

TAMPA
Bulloch, Kelly B.
Collins III, Carroll E.
Gilner, Scott W.
Lee, Nathan Q.
Nadeau, Gary J.

VERO BEACH
Good, Brian A.
Hollen, Christopher J.
Lawson, Jacob B.
Roberson, Kevin M.
Thomas, Melibe S.
Van Rens, Peter J.

WEST PALM BEACH
Lee, Jason R.
Rapp, Bryan T.
Regueiro, Eric
Schanen, Kevin M.
Schwartz, Michael F.
Tercilla, Lindsey A.
Walthall, David W.

WPB DOWNTOWN
Heggen, Christopher W.
Spruce, Michael D.

MIDWEST

CHICAGO DOWNTOWN
Lemmon, Peter C.
Marnell, Colleen L.
Mayer, Joseph P.
Morton, Jr., Arthur J.
Panter, Jake H.
Whitson, Bryan D.

CHICAGO NORTH SUBURBS
Cooper, Jason C.
Tracy, Eric J.
West, Craig L.

CHICAGO WEST SUBURBS
Fancler-Splitt, Rory K.
Garner, Chad S.
Heinen, Andrew N.
Kaufman, Phil R.
Walker, Michaela E.
Walker, William A.

COLUMBUS
Muller, Justin M.
Reeves, Michael C.
Schall, Andrew J.
Schnug, Regan A.

INDIANAPOLIS
Butz, Jr., William A.
Timko, Michael J.
Sheward, Bryan A.
Wolfred, Maurice A.

KANSAS CITY
Kist, Matthew D.
McKerrow, Jeff D.
Myers, Zachary

NORTHEAST OHIO
Clements, Kevin J.

TWIN CITIES
Bourdon, Brandon J.
Coyle, Daniel J.
Elegert, Brandon R.
Hume, Robert M.
Jensen, Matthew D.
Matzek, William D.
Phipps, Ryan A.
Schmitz, William J.
Wall, Lisa M.
Zimmerman, David

TWIN CITIES – SOUTH
Fosmo, Eric J.

TWIN CITIES- WEST
Kuhnau, JoNette L.
Manning, Jon T.
Wurdeman, Brian M.

MOUNTAIN PACIFIC

ASPEN
Christensen, Bryce E.

BOISE
McDougald, Brandon D.
Nicholson, Tim P.

BROOMFIELD
Pratt, Anthony J.

COLORADO SPRINGS
Gunderson, Eric J.
Hess, Mitchell O.

DENVER
Andryscik, Kory J.
Colvin, Scott W.
Garinger, Amy M.
Heiberger, John R.
Krell, Gabriel M.
Phelps, Randall J.
Rowe, Curtis D.
Salvagio, Robin
Skeehan, Daniel L.
Sobieski, Dennis M.
McGee, Meaghan M.
Valentine, Brian W.
Wilhelm, William R.

EVERETT
Lincoln, Bradley J.

FORT COLLINS
Felton, Emily P.

PORTLAND
Belsick, Jody W.
Meyerhofer, Peter N.

SALT LAKE CITY
Crowther, Brent C.
Gresham, Teresa R.
Johnson, Zachary A.
O'Brien, Molly M.

SEATTLE
Chen, Nicholas R.
Kamerath, Marcy
Reeverts, Canaan H.
Williams, David S.

SOUTHWEST

LAS VEGAS
Ahartz, Shannon R.
Jones, Christopher R.
Moles, Richard A.
Moore, Devin V.
Mosley, Michael S.
Wolf, Treasea

MESA
Burm, Jason M.
Grandy, Michael L.
Margetts, Sterling T.
Mutti, Brent H.
Walnum, Nathan C.

PHOENIX
Christian, Rajesh S.
Connelly, Alissa J.
Delmarter, Michael L.
Ehrick, Taylor R.
Henderson, Benjamin J.
Thoma, Jayme R.
Kimm, Kevin J.
Kissinger, John C.
Leistiko, David J.
Marella, Damon J.
Perillo, Adam C.
Sjogren, Timothy P.
Smalkoski, Brian R.

RENO
Hildebrandt, Timothy H.
Nasset, Brent J.

SCOTTSDALE
Jupp, Andrew M.
Rutkowski, David R.

TUCSON
Payne, Kevin W.
Rhine, Timothy J.

SOUTH

ALPHARETTA
Dufour, Zachary J.
Fanney, Angela L.
Fanney, Lawson H.
Hamilton, James R.
James, Alvin B.
Shearouse, Sarah
Stricklin, David L.
Walker, John D.
Zittrauer, Derek M.

PEACHTREE CORNERS
Ergle, Kevin B.
Fink, Kenneth L.
Smith, Patrick N.

ATLANTA MIDTOWN
Bosman, Eric S.
Coleman, Sean H.
Elsey, Jeffrey B.
Pastore, Cristina C.
Ross, Robert A.
Triplett, Katherine R.

BIRMINGHAM
Bailey, Clark B.
Johnson, Elizabeth H.

CHATTANOOGA
Skidmore, Benjamin W.

FRANKLIN
Espelet, Leonardo E.

MEMPHIS
Danley, Drake E.
Minor, Henry W.
Peregoy, Samuel J.
Peregoy, Jennifer M.

MOBILE
Starling, Charles H.

NASHVILLE
Boyd, Mark R.
Creasman, Brett R.
McMaster, Ryan L.
Neal, Philip H.

Rhodes, Christopher D.

SAVANNAH
Gwaltney, Jamie N.
Marsengill, Chris C.

WOODSTOCK
West, Brian B.

TEXAS SOUTH

AUSTIN EAST
Ponton, Clinton J.

AUSTIN NORTH
Boecker, Brian C.
Hudson, Harrison M.
Kiewit, Jordan S.
Neal, Trey A.
Parker, Brian J.
Araque, Santiago A.
VanLeeuwen, Andrew W

AUSTIN SOUTH
Mason, Sean R.
Williams, Robert B.

BRYAN/COLLEGE STATION
Harris, Joseph C.
Lucas, Michael D.

HOUSTON
Cargill, Kenneth W.
Deshpande, Vivek
Frysinger, Ashley M.
Frysinger, Chris V.
Guillory, Michael B.

PEARLAND
Hall, Andrew T.

SAN ANTONIO
Brignon, Brit A.
Farnsworth, Jeffrey A.
Holscher, Nicholas F.

THE WOODLANDS
Freeman, Jr., Steven C.
Kirland, Mark R.
Lewis, Tyler W.

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I. TEAM PROPOSED FOR THIS PROJECT

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A. Background of the Personnel

Kimley-Horn understands the importance of assembling a strong project team; by selecting your consultant for this project, you are truly seeking a long-term partner and trusted advisor. The County needs a core team of experts with relevant hands-on experience and a high level of responsiveness, both in terms of exceptional local support and technical expertise. Having worked with our proposed team—particularly your project manager and lead designer, Ashley Miele, PE—you can feel confident knowing you have full access to any resources you may need, and that immediate assistance is only a phone call away. Kimley-Horn has proudly served Charlotte County for the last 18 years and we look forward to continuing our partnership.

1. Project Manager/Lead Designer

ASHLEY MIELE, PE | *Project Manager/Lead Designer; Lift Station Rehabilitation and Design; Bid Phase and Construction Service*

Ashley, serving as your project manager and lead designer, brings 23 years of experience in water and wastewater engineering throughout Southwest Florida. As a senior project manager, Ashley specializes in the design and management of water and wastewater infrastructure, including pumping systems, tank replacements, permitting, hydraulic analyses, and feasibility studies. Her extensive experience spans both public and private sectors, giving her a strong understanding of project schedules, budgets, team coordination, and quality control. Ashley is proficient in hydraulic modeling tools such as WaterCAD and GIS, and her responsibilities include analysis, design, and plan review. Ashley has successfully led projects involving septic systems, force main evaluations, and water transmission and distribution systems. She is well-versed in permitting through agencies such as FDEP, SWFWMD, FDOT, and ACOE, and she actively supports construction phase services—handling contractor solicitation, bid analysis, management recommendations, site construction oversight, and quality assurance. Ashley is passionate about both the design and construction phases of her projects and is committed to delivering high-quality results for the County.

The Project Manager and Lead Designer will not be substituted without the expressed permission of the County.

2. Other Key Personnel

LEWIS BRYANT, PE | *Principal-in-Charge*

Lewis, serving as your Principal-in-Charge, has 25 years of experience with municipal utility engineering, including pumping stations, master planning, hydraulic computer modeling and computerized fluid dynamics (CFD) analysis, and construction phasing and inspections. He is a skilled project manager for utility relocation/expansion projects, water and wastewater treatment facilities design, facility expansion plans, capacity analysis reports, and permitting. Having previously served as a principal-in-charge for Charlotte County, Lewis is familiar with the County, understands the County's needs and is willing to go the extra mile to ensure betterment of the County's constituents for decades to come.

The Principal will not be substituted without the expressed permission of the County.

WAYNE WHITE, PE | *Quality Control/Quality Assurance*

Wayne is a senior water resources engineer with more than 32 years of experience, specializing in wastewater treatment, water and wastewater pipeline design, pump stations (including axial pump types), WaterCAD, SewerCAD, and construction observation. His background includes planning, design, permitting, and construction of reclaimed water, water, and wastewater systems, as well as preparing master plans that incorporate hydraulic modeling and flow forecasting to support state and federal funding. In his QC/QA role, Wayne reviews project deliverables at the end of each phase to ensure they are technically accurate, clearly presented, complete, and aligned with the project's scope and objectives.

JORDAN WALKER, PE | *Preliminary Engineering/Hydraulic Modeling; Lift Station Rehabilitation and Design*

Jordan is a water resources engineer specializing in preliminary engineering and hydraulic modeling, with a focus on lift station rehabilitation and design. With nearly 15 years of experience, Jordan has contributed to the planning, design, permitting, and construction of water and wastewater systems, including collection, transmission, treatment, and disposal. He is proficient in a wide range of technical tools such as Revit, AutoCAD Civil 3D, ArcGIS, WaterCAD, SewerCAD, MODFLOW, and BIM platforms, supporting complex geospatial database management and advanced modeling for treatment plants and groundwater use. Jordan began his career at the St. Johns River Water Management District, managing regulatory groundwater models, and later expanded his expertise at Kimley-Horn in pipeline design, utility relocations, and biological treatment modeling.

MADELINE KENDER, PE | *Preliminary Engineering/Hydraulic Modeling; Lift Station Rehabilitation and Design*

Madeline is a skilled water and wastewater engineer specializing in preliminary engineering, hydraulic modeling, and lift station rehabilitation and design for the southwest region of Florida. With nearly 10 years of experience, she has contributed to both green site and rehabilitation projects, including treatment plant evaluations, pump and pipe material selection, and comprehensive permitting and construction phase services. Madeline is proficient in AutoCAD, WaterCAD, SewerCAD, and GIS, and has successfully navigated permitting processes through agencies such as FDEP, SWFWMD, FDOT, and ACOE.

JENNIFER BRIGGS, PMP | *Preliminary Engineering/Hydraulic Modeling; Permitting Services*

With over eight years of experience in water and wastewater regulatory compliance, Jennifer brings a strong background in project coordination, data management, and regulatory reporting. She has successfully led compliance efforts for Charlotte County Utilities, including quarterly reporting, Environmental Resource Permit inspections, facility inspections and audit reports, and dashboard development to track regulatory deadlines. Jennifer's expertise with tools like Power BI, Smartsheet, Excel, and GIS enables her to manage and communicate monitoring data clearly and effectively. Her deep understanding of FDEP permitting and strong relationships with regulatory agencies ensure seamless coordination throughout the project lifecycle. She also has extensive experience with groundwater monitoring and well management, demonstrated through her leadership on Charlotte County's Regulatory Compliance Program and the West Villages Reuse Distribution Program.

MIKE SEMAGO, PE | *Lift Station Rehabilitation and Design*

Mike brings 13 years of experience in the planning, design, permitting, and construction management of water, wastewater, and reclaimed water infrastructure projects. He focuses on pump station rehabilitations and refurbishments, water and wastewater pipeline design, and hydraulic modeling using WaterCAD and SewerCAD. Mike has led a wide range of projects, from small upgrades to multi-million-dollar capital improvements, including master lift station replacements, force main replacements, and system-wide hydraulic planning. As the client service manager for the City of Temple Terrace, he oversees water and wastewater initiatives, stormwater projects, pavement condition assessments, and hourly engineering services. He is also a member of the Water Environment Federation (WEF) and the American Water Works Association (AWWA).

JEFF GOODWIN | *Operations and Maintenance*

Jeff brings 26 years of experience working with utility infrastructure. He is a strong community and social services professional skilled in wastewater, lift station rehabilitations, odor control, and laboratory analysis. He has extensive experience with regulatory compliance, consent order negotiation and reporting, wastewater treatment processes, transmission, and collection systems. Jeff complements our team with an owner's perspective in developing and delivering capital projects, wastewater treatment processes and operations, and regulatory compliance. His work in the public sector and in private consulting spans a range of unique project challenges and he is thoroughly prepared to assist the County and project team.

CHRIS THORNBERRY | *Operations and Maintenance*

Chris has 43 years of experience serving as a CEI inspector, advanced wastewater treatment plant operator, maintenance project manager, O&M coordinator, and construction utility inspector. He also has experience operating advanced wastewater treatment facilities involving Bardenpho, Oxidation Ditches, UV disinfection, and MLE treatment processes. As CEI Inspector at Kimley-Horn, Chris provided installation of a water main interconnect with the Peace River Manasota Water Supply Authority for the Sarasota area. He also provided operational review of the Babcock Ranch WRF and WTP Phase 3 Expansion specification and O&M Manuals, as well as onsite construction inspection throughout the project.

JASON HOYT, PE | *Electrical/I&C*

Jason is a highly experienced electrical, instrumentation, and controls engineer with 19 years of industry expertise. His career spans consulting, system integration, and manufacturing, with a focus on water and wastewater facilities, natural gas substations, industrial vacuum systems, and hygienic process environments. Jason brings deep proficiency in electrical design, instrumentation and control systems, PLC programming, operator interface terminals, and SCADA architecture. He is also skilled in project management and customer support, consistently delivering reliable solutions across complex engineering environments.

SETH SCHMID, PE | *Structural*

Seth has nearly 30 years of experience in structural, sanitary sewer, potable water, and stormwater engineering design and consulting. Seth brings a comprehensive and seasoned perspective to infrastructure projects. His expertise spans the full lifecycle of engineering initiatives—from project management and conceptual planning to design, permitting, and construction administration. Seth has contributed structural services to a wide range of local facilities, including booster pumping stations and treatment facilities, and has led the design and permitting of replacement water control structures. His technical proficiency includes advanced use of AutoCAD Civil 3D, MathCAD, and STAAD, enabling him to deliver precise and efficient engineering solutions. He is known for his hands-on involvement and collaborative approach, Seth consistently drives projects forward with a focus on quality, compliance, and long-term performance.

3. Subconsultants

Kimley-Horn's emphasis on dynamic teamwork and quality performance serves as the foundation from which we select our subconsultant partners. We work diligently to pursue firms that are respected and accomplished in their respective fields and demonstrate enthusiasm to be a part of our team and serve their local community. We pursue subconsultants we have worked with in the past and have proven their ability to perform up to the standards we expect. Kimley-Horn believes we have a responsibility to provide the best possible client service to you as your consultant and we expect the same level of commitment from each of our subconsultants. For this important contract, we have recruited the following expert subconsultants to round out our team.

HYATT SURVEY SERVICES, INC. (HYATT) | *Survey/Subsurface Utility Exploration (SUE) Services*

Hyatt Survey Services, Inc. will be partnering on this project to provide survey/SUE services. Hyatt is a full-service woman-owned surveying and mapping company with a professional staff possessing extensive multi-faceted surveying experience. Their work history also includes clients such as the US Army Corps of Engineers, the Florida Department of Transportation, and South Florida Water Management District in addition to Hillsborough, Manatee, Sarasota and Pinellas Counties. Hyatt Survey Services is a certified WBE/MBE with the State of Florida Office of Supplier Diversity as well as a certified DBE with the Florida Department of Transportation. Hyatt Survey is an experienced and fully equipped team comprised of seasoned professionals able to provide every surveying need as outlined in this solicitation. They have provided professional surveying services throughout the state of Florida for more than 23 years for municipal, commercial, and private sector clientele.

UNIVERSAL ENGINEERING SCIENCES, INC. (UES) | *Geotechnical Services*

Universal Engineering Sciences, Inc. will be partnering with our team to provide geotechnical services. UES is a privately held, rapidly growing engineering and consulting firm with six decades of experience. Specializing in innovative solutions for design and construction challenges, UES offers services including geotechnical engineering, construction materials testing, building code compliance, threshold inspections, environmental and ecological services, and geophysical and geospatial technologies. With over 4,200 professionals across 105 branches and 80 accredited laboratories nationwide, UES supports complex projects with precision and professionalism. Recognized as an industry pioneer, UES serves public and private clients, including public-private partnerships, across sectors such as transportation, infrastructure, aviation, and aerospace. Their engineers, geologists, certified inspectors, scientists, and drillers are registered throughout the U.S. and hold advanced degrees. Supported by modern drill rigs and state-of-the-art labs, UES performs AASHTO, ASTM, FM, and USACE accredited testing on soils, rock cores, and water samples, delivering creative solutions and cultivating enduring client relationships.

CHARLOTTE COUNTY

PROJECT MANAGER/LEAD DESIGNER
Ashley Miele, PE

PRINCIPAL-IN-CHARGE
Lewis Bryant, PE

QC/QA
Wayne White, PE

PRELIMINARY ENGINEERING/ HYDRAULIC MODELING
- Jordan Walker, PE
- Madeline Kender, PE
- Bobby Brunner
- Jennifer Briggs, PMP

PERMITTING SERVICES
- Jennifer Briggs, PMP
- Emily Hetherington, EI

LIFT STATION REHABILITATION AND DESIGN
- Ashley Miele, PE
- Mike Semago, PE
- Madeline Kender, PE
- Jordan Walker, PE

OPERATIONS AND MAINTENANCE
- Jeff Goodwin
- Chris Thornberry
- Dan Bornmann, PE

BID PHASE AND CONSTRUCTION SERVICE
- Ashley Miele, PE
- Michael Bennett, EI
- Ramon Diaz

SITE/CIVIL AND LANDSCAPE ARCHITECTURE
- Trenton Strackbein, PE
- Ed Dean, PLA, LEED AP

ELECTRICAL/I&C
- Jason Hoyt, PE
- Ian Flemings, PE, LEED GA

ENVIRONMENTAL/ TREE ARBORIST
- Ronnie Van Fleet, PWS
- Sarah Johnson, CSE

STRUCTURAL
- Seth Schmid, PE
- Joseph Roberts, PE

GRANT ASSISTANCE
- Diana Bello
- Laura Wittenbauer

SUPPORT SERVICES

GEOTECHNICAL
- Matthew Elmore, PE *(2)*
- Adam Dornacker, PE *(2)*

SURVEY/SUE
- Russell Hyatt, PSM *(1)*
- Pamela Hyatt, PSM *(1)*

Subconsultant Key
1. **Survey/SUE** – Hyatt
2. **Geotech** – UES

Key Staff

Kimley»Horn

Ashley Miele, PE

Project Manager/Lead Designer; Lift Station Rehabilitation and Design; Bid Phase and Construction Service

Professional Credentials

- Bachelor of Science, Environmental Engineering, Roger Williams University
- Project Engineer in Florida, #66476
- WaterCad Certification
- American Society of Civil Engineers (ASCE)
- American Water Works Association (AWWA)
- Water Environment Federation (WEF)

Special Qualifications

- Senior Project Manager with over 20 years of experience, well-versed in Charlotte County's design and compliance requirements
- Familiar with Charlotte County's design and compliance requirements
- 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

City of Sarasota Lift Station #8 Force Main Replacement, Sarasota, FL — Project manager. This project included the replacement of an existing 12-inch diameter AC force main along Cocoanut Avenue from just north of 10th Street, approximately 2,700 LF north, to 17th Street. The existing force main was capped and grouted once officially taken out of service. The scope of services involved the preparation of a basis of design report (BODR) that evaluated four route alternatives for the realignment of the 12-inch force main. Kimley-Horn also developed a hydraulic model of the existing City of Sarasota system with the boundary limits consisting of four lift stations. The hydraulic model was used to identify the impacts to the existing lift station #8 for each route/alignment and results were discussed in the BODR that was prepared and submitted to the City.

Bayshore Yacht Basin Master Lift Station and Force Main Replacement, Bradenton, FL
Project engineer. Kimley-Horn performed the design of the replacement of the Bayshore Yacht Basin Master Lift Station in Manatee County. The preliminary design report included a hydraulic analysis to increase pumping capacity to 2.6 MGD using the Southwest County Wastewater Model to size the pumps. Kimley-Horn evaluated wet well sizing alternatives, coatings options, force main replacement routing, developed a site plan, and 3D renderings for public board meetings. Currently in construction, the triplex master lift station includes a 16' by 16' cast-in-place wet well, new header piping, a mechanical crane, odor control, and 1,200 LF of a new 16" force main. Kimley-Horn developed a cast-in-place elevated slab to elevate the prefabricated electrical build with the VFDs and SCADA equipment, and the new generator with a base-mounted fuel tank.

Southeast Master Lift Station Rehabilitation, Lakewood Ranch, FL — Project engineer. Kimley-Horn performed the design of the rehabilitation of the Southeast Master Lift Station for Manatee County. Included in the design was a hydraulic analysis using the North County service area model for a design flow of 3 MGD in the build our scenario. The triplex master lift station rehabilitation included new pumps, cast-in-place wet well top, electrical disconnects, VFDs, header piping, mechanical crane, odor control piping, and HVAC system for the existing electrical building. Kimley-Horn also worked with Flygt to reslope the floor in the wet well to reduce solid matting and grease build-up in the station, making it easier for operators to clean the wet well.

Village of Parrish Master Lift Station, Parrish, FL
Project engineer. Kimley-Horn performed design and permitting for the Village of Parrish master lift station. Kimley-Horn evaluated a hydraulic model for the North County service area to determine how the new master lift station will affect the overall force main network. This model was utilized to select the appropriate pumps to operate during peak flows for the interim scenario (2 MGD) and build-out scenario (9 MGD). The new cast-in-place master lift station design included a 9 MGD build-out quadplex submersible lift station, new electrical building, crane, odor control, header piping and flow meter, generator with base mounted fuel tank, including site civil improvements.

Pump Stations 1, 2, and 3, St. Pete Beach, FL — Project engineer. Kimley-Horn provided preliminary and construction services for rehabilitating Pump Stations No. 1 (quadraplex, four 140-HP submersible pumps), No. 2 (triplex, three 35-HP submersible pumps), and No. 3 (duplex, two 35-HP submersible pumps). Work included evaluating service areas for wet well sizing and pumping capacity, pump and piping design, and elevated structure design for electrical equipment. Each station included generator design with skid mounted diesel fuel tank; for Stations 2 and 3, generators were placed on the elevated structure for storm/flood resiliency. Services also included wastewater modeling, plan/spec production, bid services, and construction observation.

Lewis Bryant, PE

Principal-in-Charge

Professional Credentials

- Master of Business Administration, University of Florida
- Master of Science, Civil Engineering, University of Florida
- Bachelor of Science, Civil Engineering, University of Florida
- Bachelor of Science, Technology (Nuclear), Regets College
- Professional Engineer in Florida, #65582
- Florida Engineering Society (FES)
- Water Environment Federation (WEF)
- American Water Works Association (AWWA)

Special Qualifications

- Utility engineer with 25 years of experience, specializing in utility relocation and expansion projects, collection system condition assessments, water and wastewater treatment facility design, facility expansion planning, capacity analysis reporting, and water use permitting
- Skilled project manager, known for leading complex infrastructure initiatives and delivering results across multiple domains of water and wastewater engineering

Bayshore Yacht Basin Master Lift Station and Force Main Replacement, Bradenton, FL
Project manager. Kimley-Horn performed the design of the replacement of the Bayshore Yacht Basin Master Lift Station in Manatee County. The preliminary design phase included a preliminary design report, including a hydraulic analysis to increase pumping capacity to 2.6 MGD in the build. Our scenario utilized the Southwest County Wastewater Model to size the pumps. Kimley-Horn also evaluated wet well sizing alternatives, coatings options, force main replacement routing, developed a site plan, and developed 3D renderings for public board meetings all included in the preliminary design report. Currently in construction, the triplex master lift station includes a 16' by 16' cast-in-place wet well, new header piping, a mechanical crane, odor control, and 1,200 LF of a new 16" force main. The Master Lift Station is located next to the ocean and the electrical, control, and generator are required to be elevated. Kimley-Horn developed a cast-in-place elevated slab to elevate the prefabricated electrical build with the VFDs and SCADA equipment, as well as the new generator with a base-mounted fuel tank.

Southeast Master Lift Station Rehabilitation, Lakewood Ranch, FL — Project manager. Kimley-Horn performed the design of the rehabilitation of the Southeast Master Lift Station for Manatee County. Included in the design was a hydraulic analysis using the North County service area model for a design flow of 3 MGD in the build our scenario. The triplex master lift station rehabilitation included new pumps, cast-in-place wet well top, electrical disconnects, VFDs, header piping, mechanical crane, odor control piping, and HVAC system for the existing electrical building. Kimley-Horn also worked with Flygt to reslope the floor in the wet well to reduce solid matting and grease build-up in the station, making it easier for operators to clean the wet well.

Village of Parrish Master Lift Station, Parrish, FL
Project manager. Kimley-Horn performed design and permitting for the Village of Parrish master lift station. Kimley-Horn evaluated a hydraulic model for the North County service area to determine how the new master lift station will affect the overall force main network. This model was utilized to select the appropriate pumps to operate during peak flows for the interim scenario (2 MGD) and build-out scenario (9 MGD). The new cast-in-place master lift station design included a 9 MGD build-out quadplex submersible lift station, new electrical building, crane, odor control, header piping and flow meter, generator with base mounted fuel tank, including site civil improvements.

Southwest Wastewater Reclamation Facility (SWWWRF), Effluent Storage and Pump Station, North Port, FL — Principal-in-charge of project that included preparing plans and specifications for the construction of an effluent pump station and storage facility for reverse osmosis (RO) water treatment plant (WTP) in accordance with the approved Preliminary Design Report (PDR). Assisted with the development of the Preliminary Engineering Report (PER) that permitted the facility into two phases to meet the growing wastewater needs for the surrounding area. During the PER a conceptual layout was prepared for the facility siting two reclaimed water storage tanks as well as a reclaimed water pump station with the capability to expand in the future.

Port Orange Water Reclamation Facility (WRF) East Master Lift Station Pump Conversion, Port Orange, FL — Project manager. The project consists of equipment selection for owner direct purpose and preparing plans/specifications to replace existing dry pit centrifugal pumps with screw centrifugal pumps. The project includes replacing the existing variable frequency drives (VFDs), replacing the existing plug valves with knife gate valves, adding a knife gate isolation valve, and modifications to the lift station wet well were necessary to install a pre-rotation basin and leveling the wet well floor.

Wayne White, PE

QC/QA

Professional Credentials

- Bachelor of Science, Civil and Environmental Engineering, University of South Florida
- Professional Engineer in Florida, #53232
- American Water Works Association (AWWA)
- Water Environment Federation (WEF)
- Florida Engineering Society (FES)

Special Qualifications

- Senior water resources engineer with more than 30 years of experience serving municipal clients throughout Florida. Prior to graduation from college, he worked on building, installing, and start-up pump control systems used in water and wastewater systems throughout Florida
- Experience includes planning, design, permitting, and construction of water, wastewater, and reclaimed water collection, transmission, treatment, and disposal systems. He specializes in wastewater treatment, water and wastewater pipeline design, pump stations, WaterCAD, SewerCAD, and construction observation

Village of Parrish Master Lift Station, Manatee County, FL — QC/QA reviewer. Kimley-Horn performed design and permitting for the Village of Parrish master lift station. The current design included an inline booster station; however, the County wants to modify the design to a submersible lift station to incorporate future gravity flows. Kimley-Horn constructed a hydraulic model for the northwest service area to determine how the new master lift station will affect the overall force main network. This model was utilized to select the appropriate pumps to operate during peak flows. The design included a quad-plex submersible lift station, electrical building, crane, odor control, piping modifications, and site civil improvements.

City of Sarasota Lift Station #8 Force Main Replacement, Sarasota, FL —QC/QA reviewer. This project included the replacement of an existing 12-inch diameter AC force main along Cocoanut Avenue from just north of 10th Street, approximately 2,700 LF north, to 17th Street. The existing force main was capped and grouted once officially taken out of service. The scope of services involved the preparation of a basis of design report (BODR) that evaluated four route alternatives for the realignment of the 12-inch force main. Kimley-Horn also developed a hydraulic model of the existing City of Sarasota system with the boundary limits consisting of four lift stations. The hydraulic model was used to identify the impacts to the existing lift station #8 for each route/alignment and results were discussed in the BODR that was prepared and submitted to the City.

Bayshore Yacht Basin Master Lift Station Replacement, Manatee County, FL — Principal-in-charge. Kimley-Horn performed the design of the replacement of the Bayshore Yacht Basin Master Lift Station in Manatee County, Florida. The preliminary design phase included a preliminary design report including a hydraulic analysis to increase pumping capacity to 2.6 MGD in the build our scenario utilizing the Southwest County Wastewater Model to size the pumps. Kimley-Horn also evaluated wet well sizing alternatives, coatings options, force main replacement routing, developed a site plan, and developed 3D renderings for public board meetings all included in the preliminary design report. The triplex master lift station includes a 16 x 16 cast-in-place wet well, new header piping, mechanical crane, odor control, and 1,200 LF of new 16" force main. The Master Lift Station is located next to the ocean and the electrical, control, and generator are required to be elevated. Kimley-Horn developed a cast-in-place elevated slab to elevate the prefabricated electrical build with the VFDs and SCADA equipment, as well as the new generator with base mounted fuel tank.

De Soto National Memorial Park Lift Station Rehabilitation, Manatee County, FL — Principal-in-charge. This project includes the rehabilitation of the Desoto National Park Lift station. The LS rehabilitation consisted of bringing the existing lift station up to the County's current standards, which includes the top slab and pump hatch replacement based on flood plain elevation, wet well liner replacement, structural repairs, riser pipe and valve assembly, guide rails, base elbows, pump replacement, antenna replacement, control panel replacement per the County's standard lift station panel details elevated above the flood plain, electrical service verification based on new panel electrical loading, and new lift station disconnects. Site improvements include a 12' shell access road and a potable water auto flush assembly. Construction phase services included site visits, pay application review, RFI response drafting, start-up, and drafting of certification package.

Jordan Walker, PE

Preliminary Engineering/Hydraulic Modeling; Lift Station Rehabilitation and Design

Professional Credentials

- Masters, Water Resources, University of Florida
- Bachelors, Civil Engineering, University of Florida
- Professional Engineer in Florida, #78652
- American Water Works Association (AWWA)

Special Qualifications

- Experienced water resources engineer with 14 years of expertise in planning, design, permitting, and construction of water and wastewater systems; former contributor at the St. Johns River Water Management District with a focus on water supply, permit coordination, and groundwater allocation
- Technical proficiency in geospatial database management for large-scale water infrastructure, pipeline design and assessment; skilled in software including Revit, AutoCAD Civil 3D, ArcGIS, MODFLOW, HEC-RAS, WaterCAD, SewerCAD, InfoWater, and BioWin

De Soto National Memorial Park Lift Station Rehabilitation, Manatee County, FL — Project engineer. This project includes the rehabilitation of the Desoto National Park Lift station. The LS rehabilitation consisted of bringing the existing lift station up to the County's current standards, which includes the top slab and pump hatch replacement based on flood plain elevation, wet well liner replacement, structural repairs, riser pipe and valve assembly, guide rails, base elbows, pump replacement, antenna replacement, control panel replacement per the County's standard lift station panel details elevated above the flood plain, electrical service verification based on new panel electrical loading, and new lift station disconnects. Site improvements include a 12' shell access road and a potable water auto flush assembly. Construction phase services included site visits, pay application review, RFI response drafting, start-up, and drafting of certification package.

Village of Parrish Master Lift Station, Manatee County, FL — Project engineer. Kimley-Horn performed design and permitting for the Village of Parrish master lift station. The current design included an inline booster station; however, the County wants to modify the design to a submersible lift station to incorporate future gravity flows. Kimley-Horn constructed a hydraulic model for the northwest service area to determine how the new master lift station will affect the overall force main network. This model was utilized to select the appropriate pumps to operate during peak flows. The design included a quad-plex submersible lift station, electrical building, crane, odor control, piping modifications, and site civil improvements.

Pump Stations 1, 2, and 3, St. Pete Beach, FL — Project engineer. Kimley-Horn provided preliminary and construction services for the rehabilitation of Pump Station No. 1, 2, and 3. Pump Station No. 1 is a quadraplex 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. Our 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. We provided design services, including systemwide wastewater modeling, plan and specification production, bid services, and construction observation.

Bayshore Yacht Basin Master Lift Station Replacement, Manatee County, FL — Project engineer. Kimley-Horn performed the design of the replacement of the Bayshore Yacht Basin Master Lift Station in Manatee County, Florida. The preliminary design phase included a preliminary design report including a hydraulic analysis to increase pumping capacity to 2.6 MGD in the build our scenario utilizing the Southwest County Wastewater Model to size the pumps. Kimley-Horn also evaluated wet well sizing alternatives, coatings options, force main replacement routing, developed a site plan, and developed 3D renderings for public board meetings all included in the preliminary design report. The triplex master lift station includes a 16 x 16 cast-in-place wet well, new header piping, mechanical crane, odor control, and 1,200 LF of new 16" force main. The Master Lift Station is located next to the ocean and the electrical, control, and generator are required to be elevated. Kimley-Horn developed a cast-in-place elevated slab to elevate the prefabricated electrical build with the VFDs and SCADA equipment, as well as the new generator with base mounted fuel tank.

Lift Station Rehabilitation Program, St. Pete Beach, FL — Project engineer. Kimley-Horn provided general engineering services for the rehabilitation of 14 lift stations in St. Pete Beach, FL. The stations were designed for new pumps, control panels, piping, valves, concrete top slabs, and the existing wet wells lined and/or repaired. Kimley-Horn assisted the City in coordinating with Duke Energy for new electrical services and conducted topographic surveys for each site.

Madeline Kender, PE

Preliminary Engineering/Hydraulic Modeling; Lift Station Rehabilitation and Design

Professional Credentials

- Bachelor of Science, Civil Engineering, University of South Florida
- Professional Engineer in Florida, #91111
- American Society of Civil Engineers (ASCE)
- American Water Works Association (AWWA)
- Water Environment Federation (WEF)

Special Qualifications

- Experienced in water and wastewater treatment plant evaluations and design, including rehabilitation, greenfield sites, pump and pipe material selection, permitting, and construction phase services
- Skilled in navigating permitting processes with agencies such as FDEP, SWFWMD, FDOT, and ACOE, and providing construction phase support including contractor solicitation, bid analysis, and quality control

Manatee County Southeast Master Lift Station Rehabilitation, Lakewood Ranch, FL — Project engineer. Kimley-Horn performed the design of the rehabilitation of the Southeast Master Lift Station for Manatee County. Included in the design was a hydraulic analysis using the North County service area hydraulic model for a design flow of 3 MGD in the build-out scenario. The triplex master lift station rehabilitation included new pumps, cast-in-place wet well top, electrical disconnects, VFDs, header piping, mechanical crane, odor control piping, and HVAC system for the existing electrical building. Kimley-Horn also worked with Flygt to slope the floor in the wet well to reduce solid matting and grease build-up in the station, making it easier for operators to clean the wet well. Project management techniques and controls for this project included the use of Kimley-Horn's MIS and castaheads system, as well as schedule updates and progress reports that revealed any monthly unforeseen schedule or budget concerns.

Bayshore Yacht Basin Master Lift Station Replacement, Manatee County, FL — Project engineer. Kimley-Horn performed the design for the replacement of the Bayshore Yacht Basin Master Lift Station in Manatee County, Florida. The scope included a hydraulic analysis to increase pumping capacity to 2.6 MGD in the build-out scenario, utilizing the Southwest County Wastewater Model to size the pumps. Currently under construction, the triplex master lift station features a 16' x 16' cast-in-place wet well, new header piping, a mechanical crane, odor control system, and 1,200 linear feet of new 16" force main. Due to its coastal location, the electrical, control, and generator systems are required to be elevated. A cast-in-place elevated slab was designed to support the prefabricated electrical building, which houses the VFDs and SCADA equipment, as well as the new generator with a base-mounted fuel tank.

Manatee County, Master Lift Station #5/Master Lift Station #13A/Master Lift Station #1M, Manatee County, FL — Project engineer. Kimley-Horn provided design and permitting services for the replacement of Force Main 5, Force Main 13A, and Force Main 1M. The project also included master lift station improvements, such as the removal and replacement of all header piping, installation of a pressure transducer and bypass port, and addition of a magnetic flow meter.

DeSoto County Regional Wastewater Treatment Plant Expansion Design and Permitting, Arcadia, FL — Project manager. Kimley-Horn is providing design, permitting, and bid phase services for DeSoto County's Regional Water Reclamation Facility expansion from 0.95 MGD to 2.0 MGD. Improvements include new treatment units, upgraded effluent systems, and rehabilitation of the 1,000-acre sprayfield with enhanced communications. A revised operating permit and Groundwater Monitoring Plan were prepared. Kimley-Horn developed a 3D REVIT model to coordinate design disciplines and used Biowin modeling to refine treatment processes. Phase 1 is at 90% design, targeting 1.4 MGD capacity by end of 2024.

Colony Cove Gravity Sewer and Lift Station Replacements Design Build, Ellenton, FL — Project engineer. Woodruff & Sons and Kimley-Horn were selected by Manatee County for a progressive design-build project to upgrade the outdated sanitary sewer system in Colony Cove, a 55+ mobile home community in Ellenton, Florida. Kimley-Horn developed a master plan to optimize the sewer network, eliminate one lift station, and improve accessibility by relocating pipes away from trailer foundations. The project includes three phases: Phase I – removal of two lift stations, construction of one new lift station, and installation of over 8,000 LF of gravity sewer and force main; Phase II – replacement of one lift station and installation of over 16,000 LF of sewer infrastructure; Phase III – replacement of two lift stations and installation of over 11,000 LF of sewer and force main.

Jennifer Briggs, PMP

Preliminary Engineering/Hydraulic Modeling; Permitting Services

Professional Credentials

- Bachelor of Science, Psychology, Florida State University
- Project Management Professional, #4071427
- Notary, HH 372855, FL
- American Water Works Association (AWWA)

Special Qualifications

- Has obtained permits for Sarasota County Utilities, Charlotte County Utilities, and City of North Port
- Permit modifications for Sarasota County Utilities North Master Reuse System, including permit modifications to change capacity and monitoring well relocations
- Performed Charlotte County Utilities Regulatory Compliance by producing FY2023 and FY2024 quarterly update reports, Environmental Resource Permit inspections, and oversight and improvement developments of the dashboard to ensure all Consent Order deadlines are met

Peace River Manasota Regional Water Supply Authority Regional Integrated Loop Phase 2B Pipeline (42-inch Potable Water Transmission Main), Charlotte County, FL — Administrative support 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.

West Villages Improvement District Regulatory Compliance Services, North Port, FL — Permitting assistance. Kimley-Horn is responsible for supporting the West Villages Improvement District to manage and comply with the FDEP operating permit for the reuse distribution system. Documents developed as part of the reuse distribution system permit management include the Operation and Maintenance Manual, Cross Connection Control Manual, and Reuse storage pond inventory. Kimley-Horn is involved in the planning of the reuse distribution system to consult on the impacts on the permit and identify the viability of projects from a regulatory perspective. Finally, the project includes training WVID staff on developing discharge monitoring reports and managing and maintaining the requirements of the FDEP permit.

Charlotte County Utilities, FY 2022-2025 Regulatory Compliance, Charlotte County, FL
Deputy Project Manager. Kimley-Horn was selected to perform the FY22 through FY25 regulatory compliance water and wastewater professional engineering support for CCU. These services included tasks to evaluate and maintain CCU'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, capacity evaluations, and the development and management of a compliance dashboard for County staff.

Peace River Interconnect and Potable Water Main, Sarasota County, FL — Administrative support. The Kimley-Horn team was selected to provide design and construction phase services for five 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.

17th Street Regional Park, Sarasota County, FL — Permitting assistance. Kimley-Horn is currently providing full design services for the 17th Street Regional Park. The park design will include (3) 300 adult softball fields, (8) 220 youth softball fields, and (8) multi-purpose fields for soccer, lacrosse, and football. The design process included stakeholder engagement, programming, and master planning through construction documents and permitting. Services included civil engineering, landscape architecture, irrigation design, structural design, electrical design, and environmental.

Mike Semago, PE

Lift Station Rehabilitation and Design

Professional Credentials

- Bachelor of Science, Civil and Environmental Engineering, University of Central Florida
- Professional Engineer in Florida, #87501
- American Water Works Association (AWWA)
- Water Environment Federation (WEF)

Special Qualifications

- Water resources engineer with over 13 years of experience serving municipal clients throughout Florida. He specializes in water and wastewater pipeline design, pump stations, WaterCAD, SewerCAD, and construction observation
- Experience includes planning, design, permitting, and construction of water, wastewater, and reclaimed water collection, transmission, treatment, and disposal systems. He has also prepared wastewater water master plans that have included hydraulic modeling and forecasting of future flows

Master Lift Station SA Replacement, Temple Terrace, FL Project manager. Kimley-Horn provided general engineering services for the rehabilitation of lift station SA, which is a Triplex 125-hp lift station. Lift Station SA is one of three master lift stations that pump wastewater from the City of Temple Terrace to the City of Tampa. Kimley-Horn completed design plans to decommission the existing master lift station, which is a dry pit–wet pit lift station with a diesel generator and odor control system. The design of the new master lift station included a new 12-ft diameter precast wet well with submersible pumps capable of pumping 1.5 MGD utilizing variable frequency drives. The site also included a new diesel generator, odor control, prefabricated electrical building, new piping, valves, and controls with construction management and bid phase assistance. Kimley-Horn also facilitated the modification of the interlocal agreement between increasing the City of Temple Terrace's allowable pumping capacity to the City of Tampa and completing all permitting for the project.

De Soto National Memorial Park Lift Station Rehabilitation, Manatee County, FL — Project manager. This project includes the rehabilitation of the Desoto National Park Lift station. The LS rehabilitation consisted of bringing the existing lift station up to the County's current standards, which includes the top slab and pump hatch replacement based on flood plain elevation, wet well liner replacement, structural repairs, riser pipe and valve assembly, guide rails, base elbows, pump replacement, antenna replacement, control panel replacement per the County's standard lift station panel details elevated above the flood plain, electrical service verification based on new panel electrical loading, and new lift station disconnects. Site improvements include a 12' shell access road and a potable water auto flush assembly. Construction phase services included site visits, pay application review, RFI response drafting, start-up, and drafting of certification package.

Village of Parrish Master Lift Station, Manatee County, FL — Project manager. Kimley-Horn performed design and permitting for the Village of Parrish master lift station. The current design included an inline booster station; however, the County wants to modify the design to a submersible lift station to incorporate future gravity flows. Kimley-Horn constructed a hydraulic model for the northwest service area to determine how the new master lift station will affect the overall force main network. The design included a quad-plex submersible lift station, electrical building, crane, odor control, piping modifications, and site civil improvements.

Tupelo N Lift Station Conversion, Temple Terrace, FL — Project manager. Kimley-Horn provided design and construction services for rehabilitating the Tupelo North Lift Station, a duplex submersible station with 907 gpm capacity and two 35-HP pumps. The scope of work included evaluating service areas, installing new pumps, piping, controls, odor control, and rehabilitating the wet well with a precast polymer section and interior lining. A generator with a skid-mounted diesel tank was added for storm resiliency. The project also involved hydraulic analysis, bypass planning, and construction management.

Metal Gravity Pipe Replacement Program, Manatee County, FL — Project manager. The purpose of this program is to replace metal gravity sewer pipe between the king manhole and the wet well at eight lift station sites in the north Manatee County service area, seventeen in the Southeast service area, and sixty-six in the southwest service area. The project includes the replacement of 8-inch to 36-inch metal gravity sewer pipe with PVC pipe, along with odor control replacement, control panel replacement, ATS/generator removal and reinstallation, and liner repairs as necessary. Other lift station improvements include water service relocations, site and roadway restoration, relocation of conflicting utilities, panel upgrades, generator relocation and replacement, odor control improvements, and repairs to the existing manhole/lift station liners.

Jeff Goodwin

Operations and Maintenance

Professional Credentials

- Bachelor of Science, Biology, Guilford College

Special Qualifications

- Successfully obtained $4.5 million in grants from agencies including the 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

Babcock Ranch Phase 3 Water Treatment Plant Expansion Construction Phase Services, Babcock Ranch, FL — Team member 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.

Parrish Village Master Lift Station, Manatee County Utilities Department, Manatee County, FL — Team member. Planned, budgeted, and oversaw the design, permitting, and construction of a master lift station in the County's North Regional Service Area. The project was initiated to expand the system to accommodate extensive growth in the service area. Included submersible pumps designed to incorporate existing and future gravity flows, electrical, instrument and controls, backup generator, and associated appurtenances.

Charlotte County Utilities Design Manual, Charlotte County, FL — Team member. 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.

Bayshore Yacht Basin Lift Station and Force Main Rehabilitation, Manatee County Utilities Department, Manatee County, FL — Team member. Planned, budgeted, and oversaw project design, permitting, and construction of a replacement lift station and force main and demolition of the existing lift station. Included wet well, pumps, VFDs, building for electrical components, backup generator, flow meter, piping and valving, electrical, instrumentation, and controls. The existing force main was replaced with a larger force main. The original system was located next to a canal and pumps were undersized and unable to accommodate high flows during wet weather events. Capacity was increased to minimize the potential for sanitary sewer overflows.

Manatee County Southwest Water Reclamation Facility Rehabilitation of Storage Pond Pump Station, Manatee County FL — Team member on project that includes the inspection, evaluation and replacement as needed, on the electrical and mechanical components of multiple pump stations associated with the County's SWWRF's reclaimed water storage system. Evaluation of pump curves and pump sizes for the current use and demand of the lake return system including individual station lake recirculation. Replacement of all electrical components, addition of variable frequency drives. Modification of existing piping to redirect lake filter backwash to a 54" line. Addition of magnetic flow meters. SCADA programming also included.

Chris Thornberry

Operations and Maintenance

Professional Credentials

- Associates, Mechanical Engineering, Excelsior College
- OSHA 10-Hour
- Certified Water Treatment Plant Operator in Florida, #DW0012757
- Wastewater Treatment Facility Operator in Florida, #WW0008423

Special Qualifications

- Over 43 years serving as a CEI Inspector, Advanced Wastewater Treatment Plant Operator, Maintenance Project Manager, OM Coordinator, and Construction Utility Inspector, with deep operational knowledge of Bardenpho, Oxidation Ditches, UV disinfection, and MLE treatment processes
- Served in the U.S. Navy Nuclear Power Program and worked as a Wastewater Operator for Bonita Springs and North Fort Myers utilities, demonstrating a strong foundation in both public and military infrastructure operations

Operations and Maintenance Manuals for Water Reclamation Facilities, Charlotte County, FL
Construction administrator. Assisted with the revision and updating of O&M Manuals for their Rotonda and West Port Wastewater Treatment Facilities and their Burnt Store Water Treatment Facility. Charlotte County Utilities owns and operates the Rotonda and West Port Wastewater Reclamation Facilities (WRFs). These manuals will consolidate facility information and include hydraulic and engineering design criteria, process control documentation, performance evaluations, and equipment descriptions. They will also cover procedures for normal and emergency operations, agency notification/reporting requirements, spare parts inventory, routine maintenance and repair instructions, lab testing and monitoring protocols, safety and personnel guidelines, and a troubleshooting guide.

Charlotte County Utilities, FY 2022-2024 Regulatory Compliance Water and Wastewater, Charlotte County, FL — Construction administrator. 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.

Peace River Manasota Water Supply Authority Water Main Interconnect Installation, Sarasota County, FL — CEI inspector. 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. The Kimley-Horn team is currently under design with the project and ahead of schedule and budget.

Babcock Ranch 8.0-MGD Reverse Osmosis Water Treatment Plant Expansion for MSKP Town and Country Utilities, Babcock Ranch, FL — Construction administrator. Kimley-Horn designed and permitted a phased expansion of a water treatment plant from 1.0 MGD to 8.0 MGD to support development growth. The scope included reverse osmosis treatment, 10 new supply wells, pre- and post-treatment systems (including hydrogen sulfide removal), transfer pumps, expanded storage, and high service pumping. The new facility operates alongside the existing nanofiltration plant and will ultimately supply potable water to the development. The design was phased in 2.0 MGD increments, with the full buildout shell constructed initially. Early concentrate disposal involves blending with reclaimed water, transitioning to deep well injection. Due to an aggressive timeline, the project used the Construction Manager at Risk (CMAR) delivery method with close coordination throughout design and preconstruction.

Babcock Ranch Water Reclamation Facility (WRF) Phase 3 Expansion, Babcock Ranch, FL — Construction administrator. Kimley-Horn led design, permitting, and construction administration for a 1.5 MGD average daily flow expansion (4.0 MGD buildout) of a water reclamation facility (WRF) with advanced wastewater treatment (AWT) capabilities meeting 5/5/3 standards (BOD/TSS/TN). The project included a diffused air oxidation ditch and membrane biological reactor (MBR) system with smart biological controls. Delivered via Construction Manager at Risk (CMAR), Phase 3 involved building a new 1.0 MGD AWT facility west of the existing site, with design provisions for future Phase 4 and 5 expansions (1.0 MGD each). The new facility features a 4-stage Bardenpho process and MBR tertiary treatment, while the existing WRF will be repurposed for flow equalization and aerobic digestion.

Jason Hoyt, PE

Electrical/I&C

Professional Credentials

- Master of Business Administration, Old Dominion University
- Bachelor of Science, Electrical Engineering Technology, Old Dominion University
- Professional Engineer in Florida, #101453

Special Qualifications

- Two decades of experience in electrical, instrumentation, and controls engineering across consulting, system integration, and manufacturing for water/wastewater, natural gas, pump stations, and industrial systems
- Skilled in Expert in AutoCAD, Revit, and SolidWorks for electrical design, with deep knowledge of NFPA and UL standards including NFPA 820 for wastewater facilities and UL 508A for control panels.

De Soto National Memorial Park Lift Station Rehabilitation, Manatee County, FL — Project engineer. This project includes the rehabilitation of the Desoto National Park Lift station. The LS rehabilitation consisted of bringing the existing lift station up to the County's current standards, which includes the top slab and pump hatch replacement based on flood plain elevation, wet well liner replacement, structural repairs, riser pipe and valve assembly, guide rails, base elbows, pump replacement, antenna replacement, control panel replacement per the County's standard lift station panel details elevated above the flood plain, electrical service verification based on new panel electrical loading, and new lift station disconnects. Site improvements include a 12' shell access road and a potable water auto flush assembly. Construction phase services included site visits, pay application review, RFI response drafting, start-up, and drafting of certification package.

Metal Gravity Pipe Replacement Program, Manatee County, FL — Project engineer. The purpose of this program is to replace metal gravity sewer pipe between the king manhole and the wet well at eight lift station sites in the north Manatee County service area, seventeen in the Southeast service area, and sixty-six in the southwest service area. The project includes the replacement of 8-inch to 36-inch metal gravity sewer pipe with PVC pipe, along with odor control replacement, control panel replacement, ATS/generator removal and reinstallation, and liner repairs as necessary. Other lift station improvements include water service relocations, site and roadway restoration, relocation of conflicting utilities, panel upgrades, generator relocation and replacement, odor control improvements, and repairs to the existing manhole/lift station liners.

General Engineering Services, St. Pete Beach, FL — Project engineer & QC/QA role. Kimley-Horn was selected in 2012 and re-selected in 2017 to provide general engineering services to the City of St. Pete Beach for various public works projects. Kimley-Horn was instrumental in working with the City and FDEP to negotiate reasonable terms for compliance and managing the program to upgrade its wastewater system in accordance with the Consent Order. Projects over the last five years include: (I/I) Study and Model Capacity Report, Pump Station No. 3, Force Main 3 Rehabilitation, Force Main Assessment Report, Lift Stations 5, 6, 8, 9, 11, 12, 13, 14, 15 and 16, North Force Main Extension and Hotel District Lift Station 1, and Coastal Resiliency Plan Report.

General Engineering Services, Manatee County, FL Project engineer. Kimley-Horn was selected in 2012 and re-selected in 2017 to provide general engineering services to the Manatee County for various public works projects. For over ten years Kimley-Horn has acted as an extension of the County's staff to help in emergency force main breaks, design capital improvement plan projects, quantify inflow and infiltration while prioritizing rehabilitation, perform analyses on wastewater treatment trains, and plan for the future of the utility. Projects over the last five years include: Southeast Water Reclamation Facility (SEWRF) Improvement Projects, Manatee County 7.5-MGD North County Regional Water Reclamation Facility (NCRWRF) Flow Equalization Tank, Force Main 5 Rehabilitation Project, Force Main 1M Rehabilitation, Force Main 15D, Force Main 13A Rehabilitation, and Force Main 23A Replacement.

Boat Harbor Treatment Plant Pump Station Conversion, HRSD, VA — Project engineer. A new pump station to take the Boat Harbor Treatment Plant offline and convey flow to the Nansemond Treatment Plant. The pump station includes screening and grit facilities, two wet wells, five intermediate pumps, two inline storage tanks, five transmission pumps, an offline storage tank with three separate cells, two standby generators, a main distribution switchboard, two motor control centers, variable frequency drives, a pump station control panel, two remote input/output panels, a work-center, lighting, and HVAC equipment. I designed the variable frequency drives and lighting and assisted in the design of the pump station control panel, remote input/output panels, and instrumentation.

Seth Schmid, PE

Structural

Professional Credentials

- Master of Science, Structural Engineering, University of Florida
- Bachelor of Science, Civil Engineering, University of Florida
- Professional Engineer in Florida, #54640
- American Society of Civil Engineers (ASCE)

Special Qualifications

- Nearly 30 years of experience in structural, sanitary sewer, potable water, and stormwater engineering design and consulting, with full lifecycle involvement from project management to permitting and construction
- Skilled in AutoCAD Civil 3D, MathCAD, and STAAD for technical design and analysis

Master Lift Station SA Replacement, Temple Terrace, FL — Structural engineer. Kimley-Horn provided general engineering services for the rehabilitation of lift station SA, which is a Triplex 125-hp lift station. Lift Station SA is one of three master lift stations that pumps wastewater from the City of Temple Terrace to the City of Tampa. Kimley-Horn completed design plans to decommission the existing master lift station, which a dry pit – wet pit lift station with a diesel generator and odor control system. The design on the new master lift station included a new 12-ft diameter precast wet well with submersible pumps capable of pumping 1.5 MGD utilizing variable frequency drives. The site also included a new diesel generator, odor control, prefabricated electrical building, new piping, valves, and controls with construction management and bid phase assistance. Kimley-Horn also facilitated the modification of the interlocal agreement between increasing the City of Temple Terrace's allowable pumping capacity to the City of Tampa and completed all permitting for the project.

Village of Parrish Master Lift Station, Parrish, FL — Structural engineer. Kimley-Horn performed design and permitting for the Village of Parrish master lift station. The current design included an inline booster station; however, the County wants to modify the design to a submersible lift station to incorporate future gravity flows. Kimley-Horn constructed a hydraulic model for the northwest service area to determine how the new master lift station will affect the overall force main network. This model was utilized to select the appropriate pumps to operate during peak flows. The design included a quad-plex submersible lift station, electrical building, crane, odor control, piping modifications, and site civil improvements.

St. Pete Beach Master Pump Station No. 1, Master Pump Station No. 2, and Master Pump Station No. 3 Rehabilitation, St. Pete Beach, FL— Structural engineer. Kimley-Horn provided preliminary, final design, and construction services for the rehabilitation of Pump Station No. 1, 2, and 3. Pump Station No. 1 is a quadraplex 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.

Master Lift Station #5/Master Lift Station #13A/Master Lift Station #1M, Manatee County, FL — Structural engineer. Kimley-Horn provided design and permitting services for the replacement of Force Main 5, Force Main 13A, and Force Main 1M. The project also included master lift station improvements, such as the removal and replacement of all header piping, installation of a pressure transducer and bypass port, and addition of a magnetic flow meter.

De Soto National Memorial Park Lift Station Rehabilitation, Manatee County, FL — Structural engineer. This project includes the rehabilitation of the Desoto National Park Lift station. The LS rehabilitation consisted of bringing the existing lift station up to the County's current standards, which includes the top slab and pump hatch replacement based on flood plain elevation, wet well liner replacement, structural repairs, riser pipe and valve assembly, guide rails, base elbows, pump replacement, antenna replacement, control panel replacement per the County's standard lift station panel details elevated above the flood plain, electrical service verification based on new panel electrical loading, and new lift station disconnects. Site improvements include a 12' shell access road and a potable water auto flush assembly. Construction phase services included site visits, pay application review, RFI response drafting, start-up, and drafting of certification package.

HYATT SURVEY SERVICES, INC.

Russell P. Hyatt, PSM

Vice President - Project Manager
Years of experience: 37 years

Education:

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

Certifications/Registrations:

- Professional Surveyor and Mapper, FL. LS#5303

Distinguishing Attributes:

- Mr. Hyatt has 37 years of professional surveying and mapping experience relating to boundary, construction, and hydrographic surveying experience.

Affiliations:

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

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 37 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 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. administration and overall quality control.

Key Relevant Projects

20-2527-1 Bradenton Beach Gravity Sewer Replacement
Bradenton, Florida
Client: Woodruff & Sons
Scope or Work: Hyatt Survey performed a Topographic Survey for preconstruction survey of the areas of roadway restoration. Establish/recover horizontal & vertical control needed for construction staking and machine control from existing control, 24 sanitary structures, Stakeout 143 service laterals, Stake & grade 4,800 lf of centerline and edge of pavement for roadway restoration and As-built Survey.
Project Completed: 2023
Project Cost: $64,970.00

22-2790 Lee County Landfill, Phase III, Lee County, FL
Client: Glover Construction, Inc.
Contact: David Estes
Email: destes@gloverconstruction.com
Hyatt Survey Services, Inc. successfully completed construction staking and as-built surveying services in support of site development activities. The construction staking included establishing control and providing layout for approximately 14,000 LF of silt fence, 28 storm pipes, 5 access ramps, Cells 11A, 11B, and 12 subgrades, 6,000 LF of stormwater berms, leachate force main and collection trenches, a master pump station, monitoring wells, and a pond expansion. Staking of geomembranes, liners, rain tarps, and trench anchor systems were excluded. Additionally, Hyatt Survey performed as-built surveys for the staked features, per project specifications for a total lump sum of $148,980.00.

St Pete Clearwater Airport • Parking Areas 3 Topographic Surveys, Pinellas County, Florida
Client: Mead & Hunt
Hyatt Survey successfully completed a Topographic Survey of three parcels located at the St. Pete-Clearwater Airport, as depicted in the project exhibits. The survey included visible above-ground improvements, utilities, appurtenances, and site elevations collected on a 50-foot grid, with additional shots at grade breaks, curbing, and adjacent rights-of-way where accessible. Survey details included top and bottom pond banks at the North Site, entrance and grassed areas along 46th Street North at the South Site, and full surface features—including asphalt, concrete, turf, curbing, and markings—at the Rental Car Site, with airport boundaries incorporated per the AirportAuthority's boundary survey.
Project Cost: $22,815.00

MATTHEW ELMORE, PE

ENGINEERING SERVICES MANAGER

As Engineering Services Manager for the Fort Myers office, Mr. Elmore manages geotechnical engineering investigations and provides technical provisions through proposal and report presentation and in-field observations for design and construction. He is also responsible for managing the construction materials testing aspect of private and public projects. Mr. Elmore is a licensed professional civil engineer with 14 years of experience (including eight years in Fort Myers) focused in geotechnical and construction materials testing and inspections. Mr. Elmore's project experience includes foundation design recommendations for industrial, commercial and residential (single and multi-story) structures, transportation facilities (bridges, roadway soil surveys, pavement evaluation and design, airports), water and wastewater treatment facilities, park and recreation facilities and hospitals; seismic analysis; soil and site improvement methods and techniques: city pavement specifications and standards: airport pavement and subgrade analysis (rigid and flexible); forensic investigations. He is knowledgeable of concrete, soil inspection and classification, soil laboratory testing, structural reinforcing steel inspection, pile analysis and inspection, rammed aggregate pier recommendation and inspection, vibro-compaction/replacement recommendation and inspection, driven pile recommendation and inspection, drilled shaft recommendation and inspection, nuclear density testing, footing inspections and proof rolling observation.

EDUCATION

BS, Civil Engineering,
Trine University

YEARS OF EXPERIENCE

14

LICENSES

- Professional Engineer - FL # 86409

CERTIFICATIONS

- ACI Concrete Construction Special Inspector
- Portable Nuclear Density/ Moisture Gauge Use & Safety Training
- OSHA 10-Hour

AFFILIATIONS

- American Society of Civil Engineers (ASCE): 2012-Present - SWFL Branch Past President
- Florida Engineering Society (FES): 2018 - Present
- American Subcontractors Assoc. (ASA) of SWFL: 2020 - Present - ASA Board of Advisors
- Order of the Engineer: 2012 - Present
- Geotechnical and Materials Engineers Committee (GMEC) of Florida: 2019-Present – Committee Chair

PROJECT EXPERIENCE

SABAL SPRINGS IRRIGATION WATER STORAGE TANK

NORTH FORT MYERS, LEE COUNTY, FL

Sabal Springs Golf & Racquet Club – Project Engineer for the Geotechnical Drilling and Engineering Services for a new 600,000 gallon ground storage tank at the Sabal Springs Golf & Racquet Club.

BONITA SPRINGS UTILITIES WATER MAIN REHABILITATION PROJECT (MULTIPLE PHASES)

BONITA SPRINGS, LEE COUNTY, FL

Bonita Springs Utilities (BSU) – Project Engineer for the Geotechnical Drilling and Engineering Services for the proposed residential water mains south of the Imperial River, north of Bonita Beach Road, east of U.S. 41 and west of Old 41 Road.

SHELL CREEK WTP TO ADDITION

PUNTA GORDA, CHARLOTTE COUNTY, FL

Project Engineer for the Geotechnical Drilling and Engineering Services for the reverse osmosis water treatment plant addition, adjacent to the existing Shell Creek WTP. The project consisted of RO Plant building, Sodium Hypchlorite building and holding storage tank, raw water well pumps, RO cleaning system, odor control system, blending structures, a 2 MG ground storage tank, and chemical feed system. Field Engineer for the vibro-replacement operations.

II. PROPOSED MANAGEMENT PLAN

II. PROPOSED MANAGEMENT PLAN

A. Team Organization

Kimley-Horn has a long history of achieving successful projects through a combination of effective project management and technical expertise. Our organizational structure is composed of specialized teams aligned with each aspect of the project, ensuring comprehensive coverage and support throughout. With 14 water/wastewater professionals in Sarasota and 15 in Fort Myers, Kimley-Horn's local offices provide a strong and accessible team of 29 experts ready to serve the County.

Project Management Team

Our project team organization starts out with our integrated management team that consists of **Ashley Miele, PE,** and **Lewis Bryant, PE,** who have been working together with Charlotte County Utilities (CCU) since 2020. Our team's comprehensive knowledge and thorough understanding of project issues are essential for this project's success. It requires a keen awareness of your procedures and guidelines, close coordination with public agencies, 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. Our practice-centered structure means we are oriented toward maintaining the high levels of quality and communication that you expect. **Ashley Miele, PE,** will serve as project manager and lead designer, and 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 terms 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 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 design consultant for Charlotte County's Lift Station Replacements 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.

Kimley-Horn Quality Control Is

ACHIEVED
Through adequate planning, coordination, supervision, and technical direction

CONTROLLED
By assigning task managers to evaluate all work flow and procedures

VERIFIED
Through independent reviews by qualified staff

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

1. Design Phase

Kimley-Horn believes that the concept design phase of a project sets the stage for the remaining portions of the project including construction, permitting, and certifications. Our approach to concept design is to start with as much base data as possible. The goal is to identify all the constraints and opportunities, so the design can guide the contractor to a constructible solution. Supporting **Ashley Miele, PE,** in design and specifications is **Mike Semago, PE, Madeline Kender, PE,** and **Jordan Walker, PE,** who have provided design services to clients in Southwest Florida. 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.


Ashley Miele, PE


Mike Semago, PE


Madeline Kender, PE


Jordan Walker, PE

2. Construction Phase

Kimley-Horn has provided construction administration on various projects including the implementation and rehabilitation of lift stations, booster stations, ground storage tanks, and force mains. 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 supported by **Michael Bennett, EI** and **Ramon Diaz**, all of whom recently completed the Sarasota County Peace River Potable Water Interconnect and is currently onsite for the Peace River Manasota Regional Water Supply Authority Phase 2B Pipeline in Charlotte County. In addition to receiving the benefit of our inspectors' experience, our construction phase personnel are involved in the design aspect of the project as well as providing constructability reviews and specification material compliance. 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.


Ashley Miele, PE


Michael Bennett, EI


Ramon Diaz

III. PREVIOUS EXPERIENCE OF TEAM PROPOSED FOR THIS PROJECT

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 replacement of existing lift stations throughout the County. The strength and stability of Kimley-Horn has enabled the firm to select top talent within the water and wastewater industry in an effort to build a solid Florida utility practice. Our project team has a proven track record of delivering successful utility projects to Southwest Florida. They are dedicated to continuing their service to the County and its residents. Our team has strong careers demonstrating a well-rounded portfolio of projects, including but not limited to lift station replacements, gravity and force main design, permitting and regulatory coordination, construction administration, hydraulic modeling, and start-up and operational support. Samples of these projects are shown below.

A. Describe Projects – Lift Station and Appurtenances

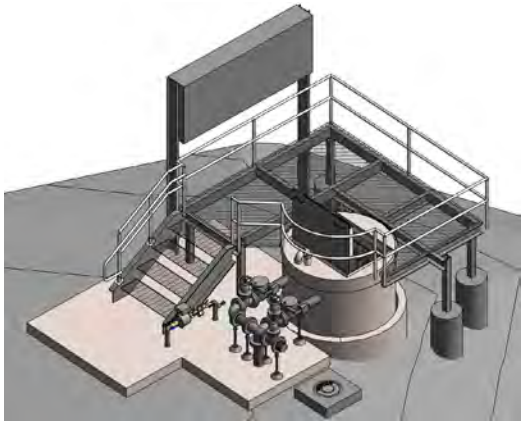
De Soto National Memorial Park Lift Station Rehabilitation

Manatee County, FL

This project includes the rehabilitation of the De Soto National Memorial Park Lift station. The lift station is located in the mangroves along the Manatee River, serving the De Soto National Memorial Park guest services center. The National Park Service (NPS) requested the digging activities due to archaeological activities to be reduced to a minimum. The lift station capacity was evaluated and it was determined to install a polymer insert in the wet well with polymer grout to seal it in. Since the new station is so much higher than the existing grade due to flood elevation requirements, an aluminum platform was designed on cast-in-place piles in order for maintenance staff to pull the pumps. The design also included other coastal resiliency components, including elevating the electrical panels and disconnects to the aluminum maintenance platform. Other improvements include bringing the existing lift station up to the County's current standards, including the top slab and pump hatch replacement based on flood plain elevation, wet well liner replacement, structural repairs, riser pipe and valve assembly, guide rails, base elbows, pump replacement, antenna replacement, control panel replacement elevated above the flood plain, electrical service verification based on new panel electrical loading, and new lift station disconnects. In addition, the design plans included lift station access drive improvements, a 12' wide shell road from the parking lot to the existing lift station location, and the installation of a potable water line auto flush assembly with an air gap discharging into the lift station. Permitting services for this project included SWFWMD ERP, Army Corp's of engineers, FDEP, and the NPS required an Archeological sub-consultant to monitor digging actives during construction. This project is currently in construction with TLC Diversified as the CMAR contractor.

Project Relevance

- Hydraulic Modeling
- Coastal Site – Resiliency Design
- Elevated Electrical Panels
- Pump Selection
- Electrical/I&C



Wastewater Master Plan

Temple Terrace, FL

Kimley-Horn provided wastewater infrastructure mapping updates in GIS based on the current and known improvements; allocated future growth into specific areas within the service area for the purpose of calculating future wastewater flows based on known projects, engineering judgment, and discussions with City staff. System demands were calculated for the present year, 5, 10, and 20-year projections. Kimley-Horn created a citywide wastewater hydraulic model for the 5,10, and 20-year flow projections. Kimley-Horn created a system inventory of the existing wastewater lift stations and performed a visual condition assessment as part of the evaluation. Based on the results of the hydraulic model and lift station condition assessment done on all lift stations at the City, Kimley-Horn developed a citywide wastewater 5-year detailed CIP and 20-year long-range CIP, including prioritization of lift station rehabilitations based on the condition assessments and future capacity issues identified in the hydraulic model.

Project Relevance

- Hydraulic Modeling
- Future Flow Projections
- Lift Station Condition Assessment
- Lift Station Prioritization and CIP Planning

Design-Build Services Force Main 33A, 36A, and Bayshore on the Lakes Replacements

Bradenton, FL

Partnering with Woodruff & Sons, Kimley-Horn is serving as the subconsultant to provide design build services for Manatee County. The project scope includes furnishing and installing approximately 2,100 linear feet (LF) of new 21-inch and 24-inch influent gravity main into Lift Station 36A with sizing to be confirmed by the design engineer based on latest flow projections considering site redevelopment. Lift Station 36A will be replaced at a new location with an upsized lined wet well, new pumps, and all necessary electrical and instrumentation components per the County's standards. Additionally, wet well liner will be applied and the wet well top slab at Lift Station 33A will be replaced. The Bayshore on the Lakes Lift Station will also be relocated, featuring an upsized wet well, new pumps, upsized 8-inch discharge piping, and all necessary electrical and instrumentation components per the County's standards.

Project Relevance

- Relocation of Gravity Sewer Main
- Flow Projections
- Lift Station Relocation
- Electrical and Instrumentation and Controls
- Lift Station Condition Assessment

The project involves five different sites, including the construction of two new lift stations, the rehabilitation of one existing lift station, and the installation of approximately 1,300 linear feet of gravity sewer along US (BUS) 41 and 900 linear feet of 24-inch gravity sewer along 38th Avenue West. After evaluating the existing conditions of each site, Woodruff & Sons, and Kimley-Horn proposed various solutions aimed to minimize community disturbance while integrating improvements across each site. Kimley-Horn is providing construction and pre-construction, environmental services, MEP services, pipeline and pump station design, and structural services.

Village of Parrish Master Lift Station

Manatee County, FL

Kimley-Horn performed design and permitting for the Village of Parrish Master Lift Station for Manatee County. Kimley-Horn was brought in on an emergency contract to expedite the design of this new master lift station. Originally the lift station was designed as an in-line booster station; however, with the ongoing growth and development in the Parrish area, the County needed a centralized submersible lift station to be able to bring raw wastewater via gravity. Initially Kimley-Horn developed three site plan options and began construction of a hydraulic model. Once this initial task was completed, the Kimley-Horn team held a workshop with the County to discuss the hydraulic model and nail down the design of the master lift station. Kimley-Horn completed the design and permitting for a quad-plex submersible lift station. The station is somewhat site restricted and required sheeting to be driven to excavate for the 20'x20'x34' deep cast in place wet well. The station has four 75 Hp submersible pumps on variable frequency drives, but the site is designed to allow the expansion to four 150 Hp pumps. A circular driveway is designed on site for better access and an overhead crane is designed for the easy pump removal and maintenance. The site is designed with a 300kW generator with 2,000 gallon diesel fuel tank. Other improvements included a prefabricated electrical building, odor control system, and all site improvements. Kimley-Horn also handled all coordination with power company to relocate poles and to upgrade power to the site. Kimley-Horn completed the design and permitting within a 3-month deadline.

Project Relevance

- New Master Lift Station Design
- Hydraulic Modeling
- Restricted Site
- Electrical and Instrumentation and Controls
- Odor Control
- Diesel Generator

Pump Stations 1, 2, and 3

St. Pete Beach, FL

Project Relevance

- Lift Station Rehabilitation
- Hydraulic Modeling
- Bypass Plan
- Odor Control
- Coastal Site – Resiliency Design
- Elevated Electrical Panels/Building
- Elevated Generator
- Electrical/I&C

Kimley-Horn provided preliminary, final design, and construction services for the rehabilitation of Pump Station No.1, 2, and 3. Pump Station No. 1 is a quadraplex station with a 5,394-gpm pumping capacity, two 12-foot wet wells, and four 210-HP submersible pumps. Pump Station No. 2 is a triplex pump station with a 4,400-gpm pumping capacity, 10-foot wet well, and three 35-HP submersible pumps. Pump Station No. 3 is a duplex submersible station with a 1,041-gpm pumping capacity, 12-foot wet well, and two 35-HP submersible 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 or natural gas service. Generators were located on the elevated structure to provide maximum resiliency during storm events or flooding. Kimley-Horn also assisted the City with coordination with Duke Energy to provide electrical service upgrades to each Pump Station. Hardening components included flood tight hatches, elevated electrical controls, an on-site elevated generator with fuel storage, and SCADA improvements for access via radio if internet was not accessible during a storm event. Due to the proximity to tourist areas, the pump station buildings were designed to be 'beach chic' and to blend in with the built environment of St. Pete Beach.

Metal Gravity Pipe Replacement Program

Manatee County, FL

The purpose of this program is to replace metal gravity sewer pipe between the king manhole and the wet well at eight (8) lift station sites in the north Manatee County service area, seventeen (17) lift station sites in the Southeast service area, and sixty-six (66) lift station sites in the southwest service area. Manatee County evaluated and identified the metal gravity sewer pipes in the gravity sewer network as a part of a risk assessment and wastewater master plan. In older stations the pipe connecting the king manhole to the lift station was installed using ductile iron pipe. When this pipe fails, an emergency repair has to be completed, and it is one of the biggest struggles lift station operations can have because it is the most crucial part of the gravity sewer network, carrying the most flow. The project includes the replacement of 8-inch to 36-inch metal gravity sewer pipe with PVC pipe from the king manhole to the wet well, including odor control replacement, control panel replacement, ATS/generator removal and re-installation, and liner repairs as necessary. The most critical part of the design plans includes the bypass pumping operation setup and maintenance of sewer service. If bypassing is not thought out thoroughly, the risk of public impact and sanitary sewer overflows is high. Other lift station improvements include water service relocations, site and roadway restoration, relocation of conflicting utilities, panel upgrades, generator relocation and replacement, odor control improvements, and repairs to the existing manhole/lift station liners.

Project Relevance

- Program Management with Multiple Bid Packages
- Bypass Plan
- Odor Control
- Electrical/I&C
- Diesel Generator

IV. PROJECT CONTROL

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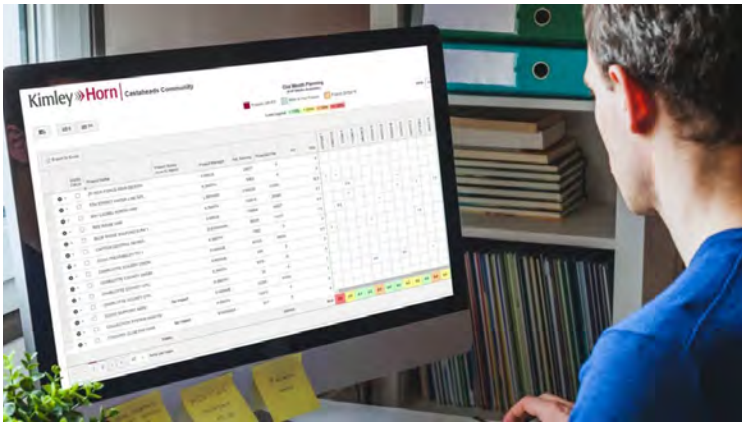
A. Schedule

Kimley-Horn understands that effective schedule control is essential to the success of the infrastructure improvements the County is preparing to undertake. 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 allow us to monitor real-time effort and resource allocation, helping us stay aligned with project timelines and deliverables.

1. Techniques to Assure Schedule Compliance



Kimley-Horn utilizes several techniques to help ensure project schedules are being met. The first step in developing a successful schedule for a task is to identify the key personnel needed to complete the task and ensure that those staff members are available for the duration of the task. Managing the right resources at the right time is key to our success in this area. To assure responsiveness to client needs, Kimley-Horn uses a workload forecasting technique to determine staff availability. This "castahead" process involves meeting with relevant department managers and staff to examine backlog, upcoming deadlines, production schedules, and several other factors. The objective is to balance the workload to maximize production staff utilization while ensuring that all project requirements and client deadlines are met. Production meetings are held weekly to keep staff, task managers, and project managers up-to-date regarding current and projected workloads. Weekly regional production meetings are held to assess the availability and distribution of resources among Florida's 20 offices. We know the importance of meeting our client's deadlines and take the necessary steps to confidently commit to meeting yours. With our depth of staff and ability to activate resources from other offices, we can help ensure your projects are completed on time.

Task	Duration (Days)	Months from NTP											
		1	2	3	4	5	6	7	8	9	10	11	12
Phase 1 (2-3 Lift Station Replacements)													
Preliminary Engineering Report	120												
County Review/Workshop	10												
60% Design	60												
County Review/Workshop	10												
90% Design	30												
County Review/Workshop	10												
Permitting	30												
100% & Bid Documents	30												
Phase 2 (2 Lift Station Replacements)													
60% Design	60												
County Review/Workshop	10												
90% Design	30												
County Review/Workshop	10												
Permitting	30												
100% & Bid Documents	30												

2. Responsibility for Schedule Control

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

Throughout the project, the County can expect Ashley to provide:

- Progress reports that highlight task-related activities and allow early identification and resolution of issues before they impact schedule or budget.
- Technical reports that summarize findings from each task, enabling continuous evaluation of project progress.
- Ongoing electronic communications among all project team members, including email updates on project status, meetings, and upcoming activities.
- User-friendly invoices to keep you informed of all project management activities.

B. Cost

Kimley-Horn recognizes that budget control is key to a 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 “castahead” 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.

3. Cost Control Responsibility

Ashley Miele, PE, will be the main point of contact for this contract and will be fully responsible for cost control throughout the duration of the contract. Additionally, with the remaining team members as part of the project management team, **Lewis Bryant, PE,** and **Wayne White, PE,** 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 18 to 24-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 table on the following page outlines our staff's recent, current, and projected workloads.

ENSURING AVAILABILITY. We know there will always be unexpected challenges unique to any given 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.

The project team members assigned to this contract will be involved and available to the County for the entire duration of the contract. Current availability percentages are illustrated below.

STAFF MEMBER	ROLE	AVAILABILITY
Ashley Miele, PE	Project Manager/Lead Designer; Lift Station Rehabilitation and Design; Bid Phase and Construction Service	60%
Lewis Bryant, PE	Principal-in-Charge	50%
Wayne White, PE	QC/QA	45%
Jordan Walker, PE	Preliminary Engineering/Hydraulic Modeling; Lift Station Rehabilitation and Design	55%
Madeline Kender, PE	Preliminary Engineering/Hydraulic Modeling; Lift Station Rehabilitation and Design	60%
Bobby Brunner	Preliminary Engineering/Hydraulic Modeling	75%
Jennifer Briggs, PMP	Preliminary Engineering/Hydraulic Modeling; Permitting Services	60%
Emily Hetherington, EI	Permitting Services	70%
Mike Semago, PE	Lift Station Rehabilitation and Design	55%
Jeff Goodwin	Operations and Maintenance	55%
Chris Thornberry	Operations and Maintenance	50%
Dan Bornmann, PE	Operations and Maintenance	60%
Michael Bennett, EI	Bid Phase and Construction Service	55%
Ramon Diaz	Bid Phase and Construction Service	65%
Trenton Strackbein, PE	Site/Civil and Landscape Architecture	50%
Ed Dean, PLA, LEED AP	Site/Civil and Landscape Architecture	55%
Jason Hoyt, PE	Electrical/I&C	50%
Ian Flemings, PE, LEED GA	Electrical/I&C	60%
Ronnie Van Fleet, PWS	Environmental/Tree Arborist	55%
Sarah Johnson, CSE	Environmental/Tree Arborist	50%
Seth Schmid, PE	Structural	55%
Joseph Roberts, PE	Structural	60%
Diana Bello	Grant Assistance	50%
Laura Wittenbauer	Grant Assistance	60%
Hyatt Survey Services, Inc.	Survey/SUE	55%
Universal Engineering Sciences, Inc.	Geotechnical	50%

V. PRESENT PROPOSED DESIGN APPROACH FOR THIS PROJECT

V. PRESENT PROPOSED DESIGN APPROACH FOR THIS PROJECT

A. Design Philosophy

Our overall design philosophy for this project was to utilize personnel from various projects currently underway with Charlotte County to maximize efficiencies. Our team consists of members working on the ongoing Charlotte County wastewater regulatory contracts, the continuing services contract for landscape architecture for lift stations, the Charlotte County utilities design manual and team members that were involved with the Hurricane Ian assessment who covered the assessments for some of these lift stations. The direct experience our team has with the Charlotte County system will provide added benefits to addressing some of the challenges in these projects have such as permitting, access management, residential neighborhoods, landscape architecture, electrical, instrumentation, and controls and structural services.

As a multi-disciplinary firm, Kimley-Horn, is able to maximize efficiencies by reducing costs and schedule, while maintaining a commitment to quality. Our in-house personnel have grown significantly, covering all aspects of this project with the exception of surveying and geotechnical services. Having all our resources under one roof provides a benefit to our clients.

Scope and Fee Preparation

After selection to perform these services, our team will meet with the County staff to review the assignment, discuss tasks necessary to complete the work, and identify a communication plan with the team. Based on these discussions our team will develop and work with County staff to finalize a scope and fee for the project.

During this process, our team project lead/manager **Ashley Miele, PE** will establish a project management plan. The plan will include a detailed project work plan, which will be provided with a description of tasks, assigned staff, deliverables, schedule milestones, internal quality reviews, client meetings, and deliverables. The work plan will also include a task-by-task fee estimate that includes person-hour projections for all staff anticipated to perform the work. Ashley will also prepare a schedule to be utilized throughout the project duration to track tasks, staff needs, and milestones. Ashley will be responsible throughout this contract (including construction phase services) for managing and controlling budgets and schedules. The combined scope and fee, work plan and project management plan, will be reviewed with the County to help ensure a complete understanding of the services, budget, schedule, and deliverables before authorization to proceed.

Project Kick-Off and Data Collection

Upon notice to proceed, we will schedule a kickoff meeting with County staff as well as any stakeholders that should be included to discuss constraints, opportunities, and determine what information is currently available relative to the project. Our objective is to capture as many design constraints as possible, operational concerns, and construction obstacles during the preliminary engineering phase. Our team will collect all the critical portions of data that would impact the lift stations including a review of the County Sewer Master Plan, the 2024 Annual Report, as-built and record drawings, hydraulic model, detailed electrical assessments including existing emergency power requirements, and any plans for future improvements that may impact this project area.

Our team has extensive experience with Charlotte County and have prepared items such as the power outage contingency plans and collection system action plans for several of the wastewater facilities that address any emergency power needs or collection system improvements that may be required for the lift station service areas. We will utilize these reports in addition to our collected data to ensure we are capturing all improvements necessary to maintain regulatory compliance and mitigate risks with FDEP.

Preliminary Engineering Report

The Preliminary Engineering Report (PER) will eventually become our road map for the project and function as supporting documentation for permitting and funding purposes. At a minimum we anticipate our PER to include the following; Lift Station Criticality Assessment, Build-Out Flow, Hydraulic Analysis, and Conceptual Site Plan including property acquisition requirements and site layout concerns.

Lift Station Criticality Assessment

We understand that the County intends to prioritize the design of the top 2-3 lift stations first. Once these projects are awarded for construction, the design of the remaining lift stations will follow (See Addendum No.1). Our team has already reviewed the 2024 Annual Report from May 2025 prepared by Jones Edmunds and understands in summary the following for each lift station.

LS#1 (COMMUNITY CENTER) – Constructed in 1959, this suction lift pump station will be updated to a duplex submersible lift station. It receives gravity flow from the community center and residential area, then discharges into a 4-inch force main that manifolds into a 6-inch main to Master LS-65 South Port, ultimately reaching the East Port WRF. The report notes the lift station is in poor condition with issues including:

- Cracked concrete
- Wet well corrosion
- Broken access hinge
- Paint wear on pumps and pipes
- Exposed conduit

According to the report, the lift station is functioning as intended, therefore the schedule for the replacement of this lift station may not be as critical as the others. Additionally, the report provides interim improvements such as;

- Sealing cracks
- Evaluating the corrosion
- Anchoring the access hatch hinge
- Restoring the conduit connection to the electric meter

Although not stated in the report the interim improvements should also include fencing. These interim improvements can be a cost-effective approach to the services needed at this time for the lift station. Our team can work with Charlotte County to review and confirm these interim improvements and develop a plan and budget for them.

LS#7 (PURE OIL) – The exact date for construction of this lift station is unknown; the RFP solicitation states it was constructed in the 1970's, however the report states this station was constructed in 1980. This suction lift pump station is located in a building that sustained roof damage from Hurricane Ian but has since been repaired. Serving nearby residential and commercial areas, it discharges into a 4-inch force main leading to East Port WRF. Reported deficiencies include:

- Missing seal-offs at the control panel conduit
- Limited crane truck access
- Pump corrosion
- No surge protection
- Poor indoor lighting
- Exposed float terminal blocks

This station may also fall below some of the other stations in terms of criticality for replacement. However, some items such as the missing seal-offs need to be addressed immediately as a safety concern. Additionally, the report provides the following interim improvements:

- Evaluate possibilities for a dedicated access to the station
- Address the corrosion on the Gorman-Rupp pump and apply a new protective coating system as needed
- Install new and/or up to date SPDs to protect the pumps and SCADA system
- Install proper indoor lighting
- Rehabilitate float terminal blocks to meet NEC codes
- Address the corrosion on the Gorman Rupp pump and apply a new protective coating system as needed

Working with our team we can prepare cost-effective solutions for these interim improvements. During our pump rehabilitation project with the Peace River Manasota Regional Water Supply Authority (Authority) project, our team was able to evaluate the corrosion of one of the high service vertical turbine pumps which was planned for replacement. However, after our analysis we were able to work with the pump vendor for a rehabilitation and extended warranty which saved the Authority over $250,000. Having an outside perspective on some of these improvements can lead to significant cost savings.

LS#303 (CONSTANTINE) – Constructed in the 1980s, this station is currently a simplex submersible with a wet well in the roadway requiring maintenance of traffic while the station is being serviced. The station receives residential flow from the surrounding development through gravity inverts, discharges to the Mauritania Lift Station (LS-302), and ultimately flows to the East Port WRF through the Bridgewater Master Lift Station (MLS-309). Deficiencies identified in the report include:

- No interlock between the generator breaker and the main breaker
- Missing seal-offs from the control panel conduit
- No access
- No isolation valves

Since access and operations and maintenance for this lift station is extremely difficult there is a higher priority for this station to be relocated and the safety concern for the missing seal-offs will need to be addressed.

The report states that there is a design already complete to move this station into the lot and convert the existing wet well into a master lift station. Our team will review this design and can provide valuable QC/QA, constructability reviews and/or provide an additional design that may be more cost effective. Since there is County owned property available nearby property acquisition and permitting should not be a concern. However, since it does need a standby generator, it will be critical for the generator to get ordered as soon as possible since there are significant delays for generator production

and installation. Our team can collaborate with the County to expedite this process. If preferred, we can facilitate a direct owner purchase (pending procurement's acceptance of the process), which would save both time and significant costs. Additionally, our team can provide the design requirements for the generator and issue the bid separately if preferred, allowing it to be ordered in advance.

LS#816 (BOULEVARD WEST) – Constructed in the 1980s, this master submersible lift station currently receiving flow from more than 10 satellite stations and six additional stations that can be routed to this station if needed which will be addressed in our hydraulic modeling analysis. The lift station discharges to LS-801, which directly discharges to the Rotonda WRF Reported deficiencies include:

- Wet well corrosion
- Rebar and wood exposure on the interior concrete slab
- Wear on the valve vault, including partial burial of the valves
- No dedicated suction or discharge bypass piping
- Missing seal-offs from the control panel conduit
- Rusted padlocks on the wet well hatches

Another deficiency not mentioned in the report is the need for a standby generator. Since this lift station is a master lift station receiving flow from up to sixteen (16) other stations this is considered critical infrastructure and should be one of the top priorities for replacement especially considering the missing seal-offs which provide a significant safety concern and the need for the standby generator. Our team has experience with this lift station through our Hurricane Ian assessments and can leverage that information collected with the available data in the report to apply an immediate actionable design for this lift station relocation. Additionally, our team is currently working on the Charlotte County Utilities Design Manual. We will work closely to collaborate on efforts to ensure that this station meets existing and any new master lift station requirements that are established in the Design Manual.

LS#817 (BUNKER ROAD) – Constructed in the 1980's, this station is a duplex lift station that is in disrepair and need for a relocation due to the undersized easement and limited access. Although this lift station was not included in the 2024 Annual Report, our team has been to this lift station several times including during the Hurricane Ian assessments. Drawing on that experience our team is familiar with the area and the County-owned lot for the relocation. The County-owned parcel along Bunker Road will provide adequate access, for operations and maintenance and will complete any of the current deficiencies at the lift station.

Based on previous work with Charlotte County, specifically LS#816 and safety concerns on the other stations of the Utility Design Manual, our team will provide a fresh perspective on the critical and interim improvement components. Prioritizing the relocation and rehabilitation of the lift stations can mitigate any risks and ensure regulatory compliance while also providing a cost-effective approach allowing the County for phased replacements in line with budget constraints.

Build-Out Design and Hydraulic Analysis

Once our team understands the criticality of each station our team will then work on the future infrastructure needs for each station. This will include the development of existing work on wastewater flow projections and hydraulic modeling services to determine the improvements required for short term and long-term planning efforts. Our team will review the existing hydraulic model and current master plan to establish existing and future demands for each lift station service area. Our team has extensive experience in calibrating hydraulic models, as well as using many types of data and information. We can integrate any dataset such as from the SCADA system, condition assessments, field observations, and monitoring equipment. If preferrable, our team can also work with the County's hydraulic modeling consultants to prepare the scope needed for the services and obtain the data required to design the future infrastructure.

Although our team will evaluate all lift stations for existing and future conditions, it will be critical to evaluate LS#816 to ensure our design is adequate for the existing 10 satellite stations that currently flow to it but also the additional 6 stations that can be routed to this station if needed. This type of operational flexibility will be critical to understand for this analysis. Our modeling experts know how to make the most of existing data to predict how your facilities will perform and maximize operational flexibility. Our models can show you how it operates today but also provide incremental and phased approaches for future considerations. Our extensive in-house library of modeling software including WaterGEMS and SewerGEMS, can simulate your entire range of field conditions, through both steady state and extended period simulations.

This analysis will also provide the improvement requirements for any of the “offsite improvements” meaning the gravity sewer system and force main sizing and/or relocations.

Conceptual Site Layout

During this stage of design, a conceptual site plan will be developed that addresses alternatives for each lift station. The conceptual design phase requires careful consideration of construction staging, sequencing, and the continuity of operations. Our team will assess various design approaches and identify any requirements for property acquisition or easements necessary to support ongoing operations and maintenance. A summary outlining key considerations for each proposed site layout is provided below.

LS#1 (COMMUNITY CENTER) site falls within an existing easement. Our team will review the existing easement constraints for the new submersible lift station to ensure operations and maintenance of the equipment is easily accessible. If the easement limits need to be revised our team will work with Charlotte County and prepare required sketch and descriptions to modify the easement as needed. The intent of this design is to convert the existing wet well to a manhole with a new wet well similar to what was done at LS#2 (Dalton), however if the site is constrained our team will evaluate using the existing wet well for the submersible pumps while still confirming ease of operation and maintenance.

LS#7 (PURE OIL) site is behind a gas station and alongside a residential property. It is anticipated that this will require an easement to design the site adequately for vehicular access and operations and maintenance. Due to the need for an easement for this site, our team will advance the site plan and conceptual design to initiate the property requirements. Our team will ensure that the easements include all offsite piping and infrastructure needed for the submersible station including placement of a stand-by generator as required by FDEP 62-604.400.

LS#303 (CONSTANTINE) will be a new submersible lift station that can be constructed on the County owned lot. Considering the location of the facility within a residential neighborhood our team will engage with our landscape architects who have been working on landscaping needs to lift stations under a continuing services contract with the County. Additionally, this site will consist of a generator as required by FDEP 62-604.400.

LS#816 (BOULEVARD WEST) is an existing master lift station is currently located in an undersized easement along the roadside hindering access and placement for a stationary generator. It is anticipated that the new submersible lift station will be placed on the County owned lot and adequate property exists to accommodate access, operations and maintenance and any other County requirements for a master lift station. Although the site will be adequate for the lift stations the conceptual layout for this lift station will need to identify the offsite improvements as well including the gravity sewer and force mains. Any easements required for these offsite improvements will be captured and identified in this section.

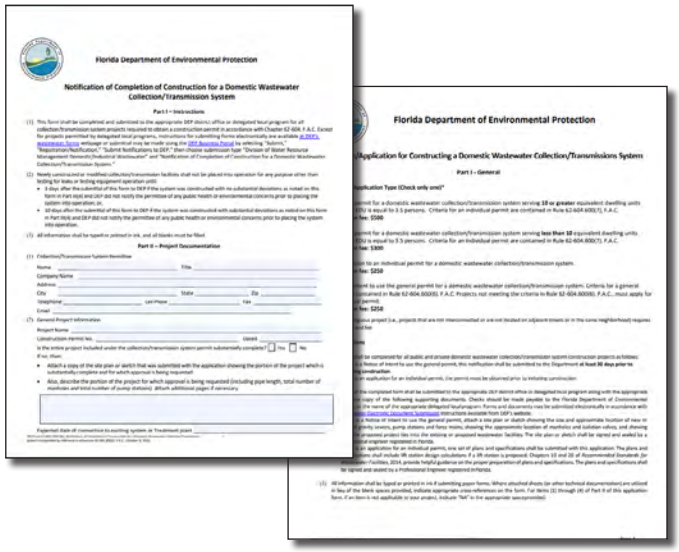
LS#817 (BUNKER ROAD) is a duplex lift station that is in disrepair and need for a relocation due to the undersized easement and limited access. However, the County owns a parcel along Bunker Road for the relocation of this facility that is adequate to provide access, operations and maintenance as needed. Although this property is adequate for the lift station site additional improvements to the gravity and force mains will be required.

Each lift station site will be reviewed and analyzed for special site considerations such as current zoning, flood zones, existing easements, environmental concerns, etc. Our team has several advantages when it comes to the conceptual site layouts including our extensive experience with lift station relocations and rehabilitation, our knowledge and experience with the Charlotte County permitting process (including setback and fencing requirements, parking requirements and tree removal permits), in-house landscape architects that have been working with Charlotte County for landscaping of existing lift stations in residential neighborhoods, our experience with the utility design manual and lastly our innovative software such as Autodesk AutoTURN that will demonstrate the turning capability and necessary room required for various vehicles including crane trucks for operations and maintenance vehicles.

These conceptual plans will be included in the preliminary engineering report that will be submitted to the County for review and discussion. Our team will prepare for and attend a workshop with all departments and stakeholders involved to discuss obstacles, constraints and next steps into the design phase.

Permitting

After our preliminary engineering phase our team will have a complete understanding of regulatory issues and permitting requirements. Our team will prepare the necessary applications and supporting documentation during this phase including any permits or exemptions needed from Charlotte County such as a special exception from the Board of Zoning and Appeals.


Florida Department of Environmental Protection

Notification of Completion of Construction for a Domestic Wastewater Collection/Transmission System

Florida Department of Environmental Protection

Application for Constructing a Domestic Wastewater Collection/Transmissions System

Because of our strong relationships, and effective planning and communications, we believe that our approval times for permits are quicker and require fewer requests for additional information than is expected with typical projects. We are skilled at the submission of applications and revisions to the agencies. However, we understand that the submission process does not end with the application; while we work hard to ensure that the initial application is complete and concise, we will be proactive in responding quickly and completely to additional information requests.

Construction Design Documents and Technical Specifications (60%, 90%, and 100% (Final))

Our team will work together to prepare construction plans and specifications. We will prepare and submit review plans at 60%, 90%, and 100% or final design stages of the project. We have identified a robust team of experienced design engineers to ensure design production needs are met.

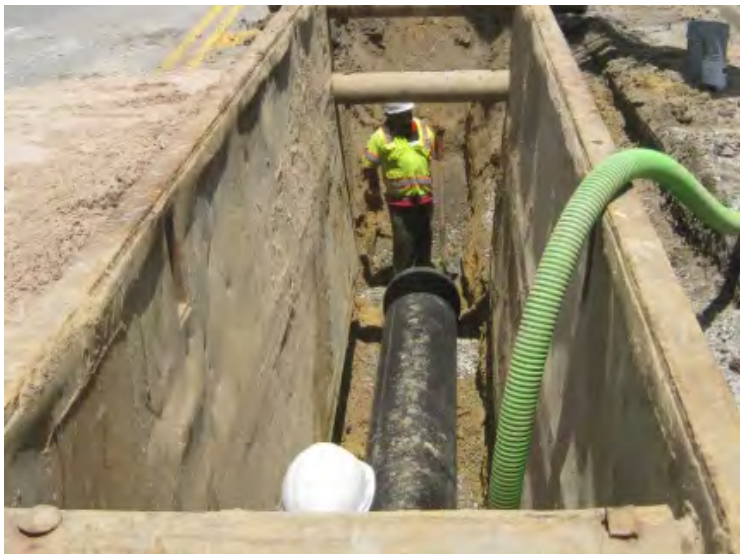
Preparation of construction documents requires careful attention to detail, a thorough understanding of the issues identified in the preliminary engineering phase, and a comprehensive knowledge of the construction process. We shall use the version of AutoCAD compatible with the County's version to prepare the design drawings. As discussed previously our team is currently underway with the finalization of the updated Charlotte County Utilities Design Manual and we will ensure that all design aspects meet all CCU requirements for standard lift stations including generators, odor control and flood elevations. Our team is also familiar with the Charlotte County SCADA Standards Manual and will ensure that the SCADA equipment and system implementations will adhere to the detailed SCADA Standards Specifications and Standard Drawing Details for components like control panels and remote sites. The Standards Manual outlines requirements for SCADA system design, operation, hardware (such as PLC firmware and 316 stainless steel), and installation details, ensuring consistency across the County's facilities.

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 the County's position.

Our team will utilize three-dimensional modeling software to provide efficient document coordination with all required disciplines such as utilities, stormwater, roadway, and site/civil details. This translates into a more cost-effective and error-free design process. Late design changes and adjustments based on community or client input are easier to evaluate and make in a three-dimensional design model without causing otherwise unforeseen problems.

With three-dimensional modeling software, conflicts are readily apparent and the associated plan, section, and elevation views are automatically updated. Design plans will include clear horizontal controls and will include adequate details for vertical alignment, pipe supports, structural pad improvements if needed, mechanical details, restraint design, air release and site-specific restoration details.

Bidding and Construction Phase Services



Our team has provided construction administration on various projects including the implementation and rehabilitation of lift stations, booster stations, gravity sewer systems, and linear infrastructure. Our full-service consulting includes comprehensive construction administration services with experienced inspection staff in all types of construction. **Ashley Miele, PE** will lead the team through construction-phase tasks with the close support of **Mike Bennett, EI** and **Ramon Diaz**. In addition to receiving the benefit of our inspectors' experience, our construction phase personnel participate in the design aspect of the project as well as providing constructability reviews and specification material compliance. Our team will also manage all construction activities including the pre-construction conference and conduct regular project meetings. We will 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.

Our design team has extensive practical experience in both design and performing services during construction and we draw on these experiences while preparing the construction documents to help ensure the design is constructable and maintainable.

Grants

Our grants team will work with Charlotte County staff to develop a grant matrix that will incorporate all possible grant opportunities, commitment requirements and deadlines. This matrix can be maintained by our team to track future opportunities as well. Our grant specialists understand deadlines, processes, quality control and the scoring criteria required to get accepted for the grants. The County can leverage this experience to ensure funding is obtained for this project. Our grant administration team can also assist with the process throughout construction and project close-out submitting the required monitoring reports, records management and grants close-out. Utilizing our team and resources we have found the following as possible grant opportunities for this project.

- Hazard Mitigation Grant Program under the Florida Division of Emergency Management
- FDEP Resilient Florida Grant
- Community Development Block Grant
- Rebuild Florida Infrastructure Repair Program

Since some of the grants have additional requirements like a vulnerability assessment, we include a grants matrix in our PER for discussions and review purposes since sometimes these reports can be revised with minimal efforts to meet the grants requirements.

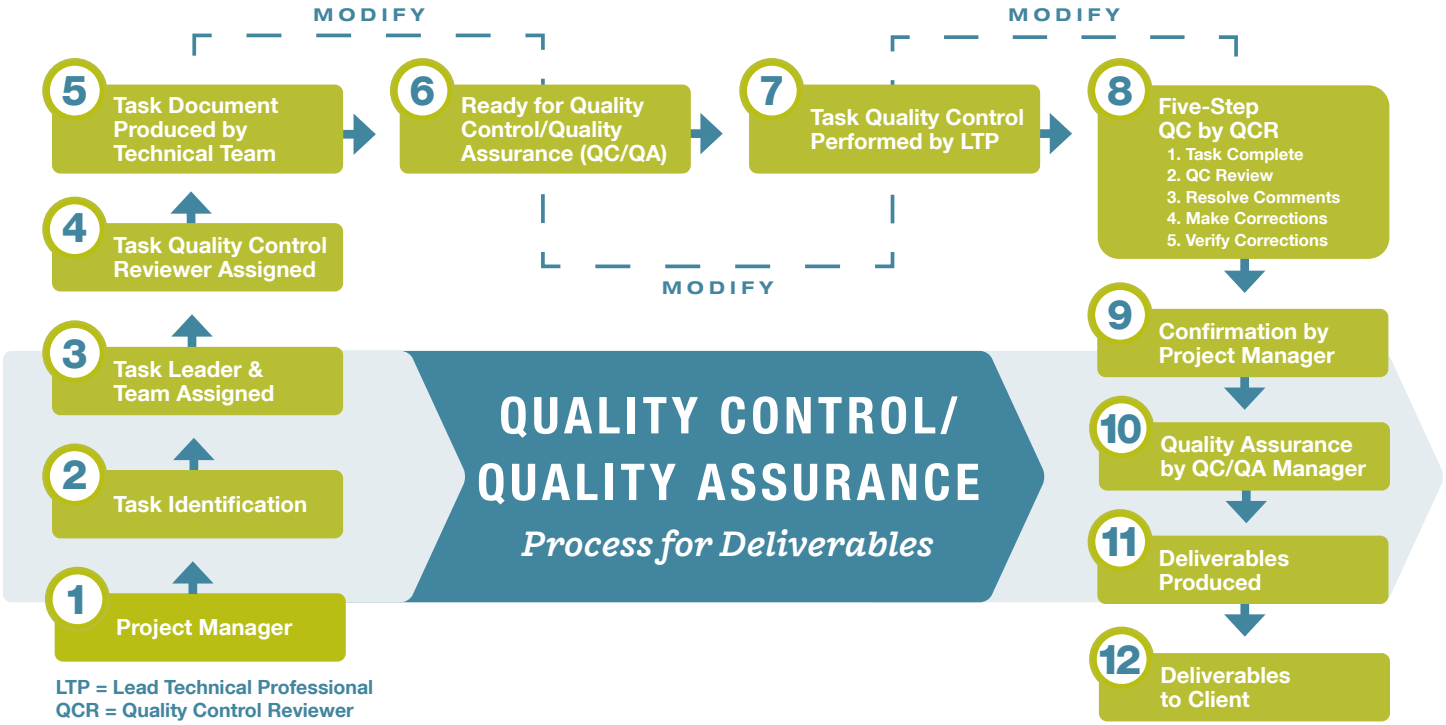
Operations and Maintenance Manuals and Start-Up Services

Kimley-Horn has been providing ongoing services with Charlotte County that has included the development of several operations and maintenance manuals including Rotunda WRF, Westport WRF, Burnt Store WTP and the entire Charlotte collection system. Our team has total confidence in being able to provide the operation and maintenance manuals for these lift stations in an efficient way due to the experience we have had with the previous manuals. We met several times with County staff to understand how the County could best utilize these manuals, what works and what doesn't work for them as well as how they can best access them. With cooperation from the County we were able to develop hyperlinks to County materials on the County server and provide them access to files that were previously difficult to navigate.

Additionally, our team is well versed in assisting with lift station start-up services. We have offered a variety of services in terms of start-up from pump station draw down tests to training and lessons learned on how to stay in compliance with regulatory agencies. Our team has developed tracking systems for record keeping and have help provide maintenance schedules. In any situation our team will be here to provide the services that Charlotte County needs.

Quality Control/Quality Assurance

We know the County expects the delivery of final work products and services to be thoroughly reviewed by experienced professionals. Design decisions in each phase of the plan's submittal will be documented and vetted through Kimley-Horn's QC/QA process. All deliverables, including subconsultant work, follow a five-step process, utilizing Bluebeam Revu. This PDF-based, collaborative quality assurance review tool is used to improve collaboration and transparency between design and quality assurance review teams. It allows multiple reviewers to access the document concurrently while digitally commenting and reviewing one another's comments in real-time. This reduces the time to consolidate review comments, and track and resolve them by having the comments in a single review document, allowing designers to begin addressing comments earlier in the process. The markups are automatically tracked and placed on the PDF document, including author, date, color, and comments associated with each markup. This process then provides our QC/QA Manager, **Wayne White, PE,** with a legible digital set of marked-up plans, preventing any process errors and verifying our QC plan is thoroughly followed.



B. What problems do you anticipate and how do you propose to solve them?

Generator and Electrical Components Lead Times

One of the larger challenges for this project from our experience will be managing the generator and electrical equipment lead times. These items have the most impact on construction schedules, and we have managed them several different ways such as:

1. OWNER DIRECT PURCHASE. Some of our Clients have been able to take advantage of the cost and schedule impacts of these items by purchasing them directly and not waiting for the contractor to bid it. In these circumstances we have included in the bid that these specific items will be provided by the Client and the contractor will be responsible for installing them.

2. PHASED CONSTRUCTION SCHEDULE. Another way we have managed these lead times is phasing the project such that the first phase consists of ordering and acquiring the necessary equipment, then with a certain timeframe prior to delivery of the products the actual construction of the lift stations components can begin. These dates can be difficult to estimate and must be presented clearly in the contract documents. This approach may also deter contractors from bidding since it's more complex and requires additional paperwork.

3. EXTEND THE PROJECT SCHEDULE. The most common approach to these lead times lately for our clients has been to bid the project and then once the contractor is selected and the lead times is known the schedule can be adjusted accordingly. If owner direct purchase isn't a possibility with Charlotte County procurement then extending the project schedule is the most applicable option.

Bypass Pumping Plans

Lift stations are considered critical infrastructure since they provide wastewater service to the associated service areas. Our team will work closely with the operations and maintenance teams for each lift station to coordinate downtimes and establish clear bypass pumping plans for construction. The bypass pumping plan will consider schedule, construction sequencing, maintenance of plant operations (if possible), staging, and testing that will accommodate construction reducing schedule, costs, and change orders in the field.

Additionally, our team has an extensive understanding of the existing Charlotte County regulatory agreements and fines that would be associated with any sanitary sewer overflows. Our contract documents will require that the Contractor be responsible for any fees, fines and additional costs that may be associated with any sanitary sewer overflows. This has been useful on previous projects where we had a contractor break a 36" force main on Cortez Boulevard in Manatee County and the County did not pay any fees or fines from FDEP.

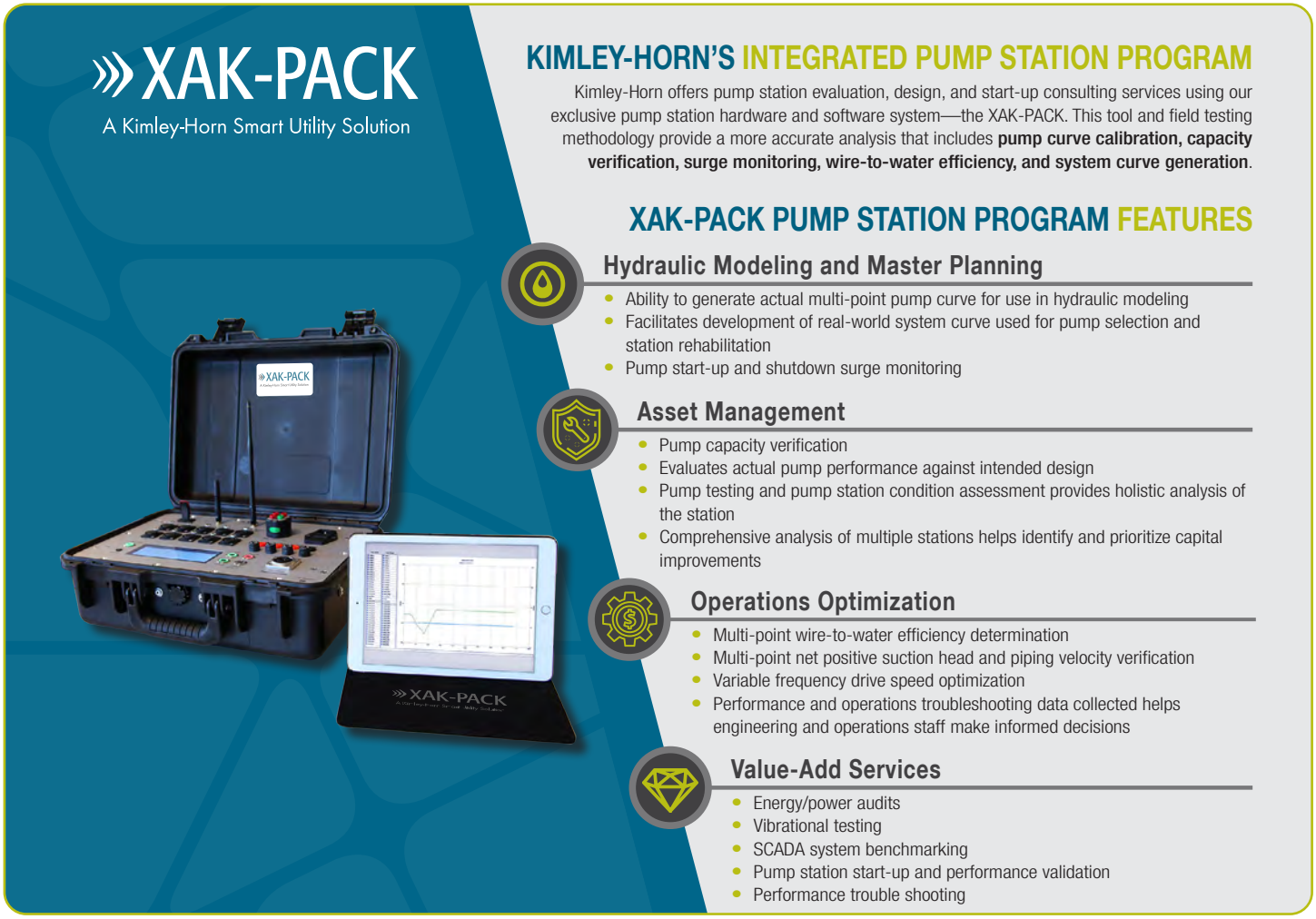
Easements and Property Acquisition

As discussed above, most of the lift stations require new or modified easements to accommodate the lift stations and/or the required offsite improvements consisting of gravity sewer and force mains. Our approach consists of evaluating the easements' needs immediately in our preliminary design report. We will use our subconsultant Hyatt surveying to assist with any sketch and descriptions needed for the easements and then our team will work with the County through the review process to eventually obtain approval by the Charlotte County Board of Commissioners. This approach will have the least impact on time and schedule.

C. Describe Probable Energy and SCADA Applications

Collaborating with Charlotte County, our team will evaluate existing operations, proposed improvements, and future operations to find energy savings applications. Some of these energy savings may consist of using automated control valves, providing SCADA system improvements, and efficiencies in pumping operations. Our multi-discipline approach allows us to utilize our electrical, LEED, Envision, and Solar energy teams to evaluate opportunities for energy savings applications through the PER process. Integrating renewable energy sources, like solar panels can help offset energy consumption and decrease reliance on traditional energy sources.

Our team is currently working with Charlotte County on several other pump station projects for the SCADA integration and electrical instrumentation and controls. We are very familiar with the Charlotte County SCADA Standards Manual and VTSCADA Application.



D. Describe Innovative Approaches in Production and Design.

Integrated Team Approach

Our integrated team approach of utilizing personnel from other various projects with Charlotte County will help our team be more efficient, eliminate communication gaps, reduce construction conflicts and enhance construction sequencing. This approach will help provide cost savings and maximize efficiencies throughout design and construction. Additionally, our local Kimley-Horn offices provide various disciplines that Charlotte County and our team would have direct access to including roadway, site/civil, grants, landscape architecture, land planning, structural, GIS, stormwater, environmental, and our construction team. If any obstacle arises during the duration of the project, we have in-house experts that can cover it and provide these professional services as needed.

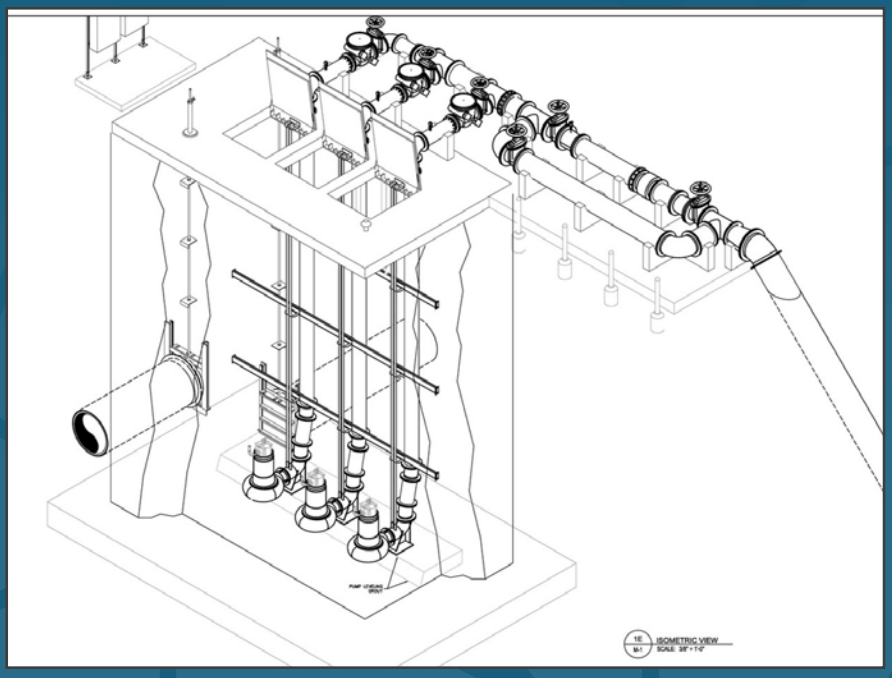
Production Development

Our innovative approach to production is the use of a combination of Autodesk's Civil 3D CAD and Revit with Building Information Modeling (BIM) 360 for plan preparation and development. Our team already has a head start on the preliminary design work and conceptual layouts for the lift stations due to some of the assessments we did for the Hurricane Ian project. Additionally, due to our extensive experience we have many of the lessons learned and production templates to incorporate into this project making the production seamless such as extensive bypass plans, 3-D modeling components that already exist in our software library and our electrical load assessment data.

SPOTLIGHT: CADD AND 3-D VISUALIZATION CAPABILITIES

Kimley-Horn stays at the forefront of state-of-the-art engineering and surveying technology and is well-prepared to focus on the client's system-specific needs. We currently use AutoCAD Civil 3D, and our electronic drawings will be compatible with the City's CADD software, as well as delivered in an easily recognizable format. We have the proficiency to import and export all versions of AutoCAD DWG and DXF files, as well as ESRI ArcInfo, ArcInfo exports (*.E00), ESRI shapes, and MapInfo files (*.mif). In addition, our software is linked locally and firmwide through our network system, allowing for swift internal and external coordination.

Kimley-Horn's in-house 3D visualization capabilities allow us to critically evaluate our concepts and make refinements throughout the design process. Also, presenting concepts in a 3D manner to members of the community or review team provides a much clearer representation of proposed ideas than traditional plans and elevation drawings. We also use 3D modeling extensively during the design process as a tool to communicate our proposed design to our client, the public, and affected stakeholders. We also use this as a tool for internal feedback and as an opportunity to evaluate our designs. The ability to accurately convey design ideas, and build consensus early in the process, can save time during construction document preparation and construction.

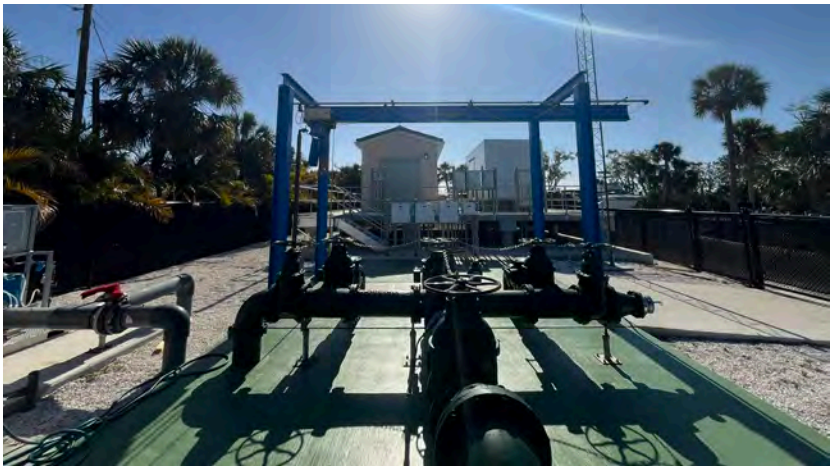


VI. PRESENT EXAMPLES OF RECENTLY ACCOMPLISHED SIMILAR PROJECTS

VI. PRESENT EXAMPLES OF RECENTLY ACCOMPLISHED SIMILAR PROJECTS

Bayshore Yacht Basin Master Lift Station Replacement

Manatee County, FL



Kimley-Horn performed design services for a new master lift station to replace an existing lift station located adjacent to a canal in Bayshore Yacht Basin Community located in Manatee County, Florida. The existing station and force main were undersized and unable to accommodate peak wet weather flows. The preliminary design phase included a preliminary design report including a hydraulic analysis to increase pumping capacity to 2.6 MGD in the build out wet weather scenario utilizing the Southwest County Wastewater Model to size the pumps. Kimley-Horn also evaluated wet well sizing alternatives, coatings options, force main replacement routing, developed a site plan, and developed 3D renderings for public board meetings all which were included in the preliminary design report. The design included a triplex master lift station with 100-HP pumps, 16' x 16' cast-in-place wet well, new header piping, mechanical crane, odor control, and 1,200 LF of new 16" force main. The new Master Lift Station is located next to the ocean and hardening components included flood-tight hatches, elevated electrical controls and electrical building, elevated on-site elevated generator with fuel storage.

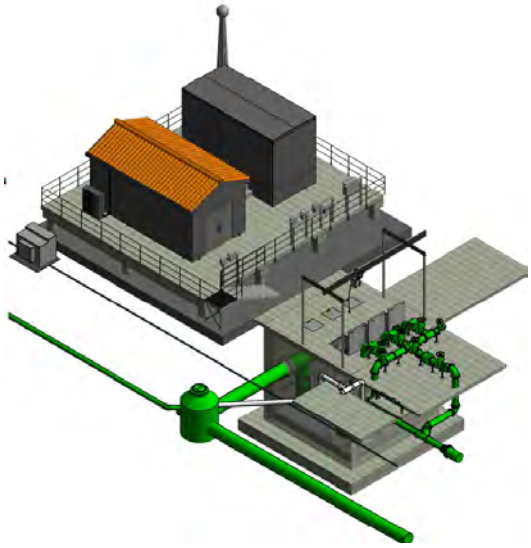
To elevate these components, Kimley-Horn developed a cast-in-place slab to elevate the prefabricated electrical building that included VFDs, MCC, and SCADA equipment, as well as the new generator with base mounted fuel tank to provide maximum resiliency during storm events or flooding.

Reference Information

Name: Jeff Streitmatter III, PE,
Project Management Division Manager
Telephone Number: 941.708.7450 Ext. 7335

Relevant Team Members

- Mike Semago, PE
- Ashley Miele, PE
- Lewis Bryant, PE
- Seth Schmid, PE
- Jordan Walker, PE
- Ramon Diaz
- Madeline Kender, PE
- Jeff Goodwin



1. SCHEDULE CONTROL: Project remained on schedule for the design. Construction duration was extended due to generator lead time.

2. COST CONTROL: Project remained on schedule for the design and construction aspects of the project due to clear plans and concise technical specifications.

3. CONSTRUCTION PROBLEMS AND MEANS TAKEN TO SOLVE THEM: One of the problems during construction was the generator lead time. Although alternatives were available earlier the County preferred to stay with the manufacturer they have and schedule was adjusted accordingly.

4. ANY ADDITIONAL CONSTRUCTION COSTS CAUSED BY DESIGN DEFICIENCIES, NOT PROGRAM CHANGES: CO # 1 - $33k add architect for roof design of electrical building required by building department. CO # 2 - $24k additional CPS for an extended schedule and project transfer of PM's.

5. PERTINENT TO LIFT STATIONS DESIGNS AND APPURTENANCES:

- Wet Well Replacement
- Hydraulic Modeling
- Bypass Plan
- Odor Control
- Pump Selection
- Coastal Site – Resiliency Design
- Elevated Electrical Panels
- Electrical/I&C
- Elevated Diesel Generator

Master Lift Station SA Conversion to Wetwell

Temple Terrace, FL

Kimley-Horn provided general engineering services for the conversion of lift station SA, which was a dry-pit/wet-pit Triplex 125-hp lift station to a triplex wet well lift station. Lift Station SA is one of three master lift stations that pumps wastewater from the City of Temple Terrace to the City of Tampa. Kimley-Horn completed design plans to decommission the existing master lift station, a dry pit – wet pit lift station with an indoor diesel generator, and odor control system. The design of the new master lift station included a new 12-ft diameter precast wet well with submersible pumps capable of pumping 1.5 MGD utilizing variable frequency drives. The site also included a new diesel generator, odor control, new electrical building, new piping, valves, and controls with construction management and bid phase assistance. Kimley-Horn also facilitated the modification of the interlocal agreement increasing the City of Temple Terrace's allowable pumping capacity to the City of Tampa and completed all permitting for the project.

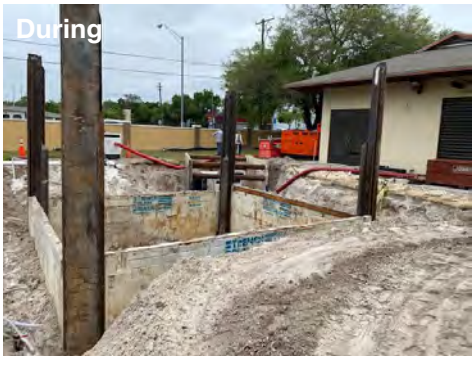
Reference Information

Name: Juan C. Fleitas,
Sewer Department Supervisor

Telephone Number: 813.506.6594

Relevant Team Members

- Mike Semago, PE
- Ashley Miele, PE
- Lewis Bryant, PE
- Seth Schmid, PE
- Jordan Walker, PE



1. SCHEDULE CONTROL: There were no changes in the design or construction schedule.

2. COST CONTROL: There was a reduction in cost by $57,547 due to a few appurtenances that were not needed.

3. CONSTRUCTION PROBLEMS AND MEANS TAKEN TO SOLVE THEM: No construction problems.

4. ANY ADDITIONAL CONSTRUCTION COSTS CAUSED BY DESIGN DEFICIENCIES, NOT PROGRAM CHANGES: No additional construction costs.

5. PERTINENT TO LIFT STATIONS DESIGNS AND APPURTENANCES:

- Dry-Pit/Wet Pit Lift Station
- Wet Well Conversion
- Hydraulic Modeling
- Bypass Plan
- Odor Control
- Pump Selection (Flygt N-Series Design Standard)
- Electrical/I&C Design and New Electrical Building

Lift Station Rehabilitation Program

St. Pete Beach, FL

Reference Information

Name: Camden J. Mills, PE,
Director of Public Services

Telephone Number: 727.363.9254

Relevant Team Members

- Mike Semago, PE
- Wayne White, PE
- Jordan Walker, PE
- Seth Schmid, PE

Lift Stations 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, & 17, St. Pete Beach, FL Kimley-Horn provided general engineering services for the rehabilitation of 14 lift stations. The stations were designed for new pumps, control panels, piping, valves, concrete top slabs, and the existing wet wells lined and/or repaired. Kimley-Horn assisted the City in coordination with Duke Energy to provide new electrical services for each lift station. The work included a topographic survey of each lift station, preparation of plans providing for the replacement of the pumps, piping, valves, and controls along with specifications, opinion of probable construction cost, bid form, and construction management services. Construction management services included site visits, pay application review, RFI response drafting, start-up, and drafting of certification package. These stations were the first in the City to be converted to the City's new SCADA system.

Generators and electrical panels were located on the elevated structure to provide maximum resiliency during storm events or flooding. Hardening components included flood tight hatches, elevated electrical controls, an on-site elevated generator with fuel storage, and SCADA improvements for access via radio if internet was not accessible during a storm event.

1. SCHEDULE CONTROL: To expedite both the design and construction schedule, the lift station rehabilitations were bundled in packages ranging from two (2) – four (4) stations. This strategy cut down on design reviews and procurement periods. During construction the contractor to was able to maximize labor efficiency.

2. COST CONTROL: Similar to the schedule control, bundling the lift station rehabilitations into packages made the design workflow more efficient and reduced the overall design fee. During construction, cost savings were apparent in mobilization and bulk material purchases.

3. CONSTRUCTION PROBLEMS AND MEANS TAKEN TO SOLVE THEM: Many of the lift stations in St. Pete Beach are located in residential neighborhoods. Early public outreach helped minimize disputes with residents and the incorporation of landscaping into the design reduced pushback.

4. ANY ADDITIONAL CONSTRUCTION COSTS CAUSED BY DESIGN DEFICIENCIES, NOT PROGRAM CHANGES: No substantial change orders were issued during the lift station rehabilitation program.

5. PERTINENT TO LIFT STATIONS DESIGNS AND APPURTENANCES:

- Lift Station Rehabilitation
- Program Management with Multiple Bid Packages
- Hydraulic Modeling
- Bypass Plan
- Odor Control
- Pump Selection
- Coastal Site – Resiliency Design
- Elevated Electrical Panels
- Electrical/I&C

Tupelo N Lift Station Conversion

Temple Terrace, FL

Kimley-Horn provided preliminary, final design, and construction services for the rehabilitation of the Tupelo North Lift Station. Tupelo North lift station is a duplex submersible station with a 907gpm pumping capacity, 8-foot wet well located inside a building, and two 35-HP submersible pumps. The scope of work included evaluating the contributing service areas to determine the required pumping capacity, new Flygt N-Series pump selection with hydraulic modeling, new discharge piping, new control panels, instrumentation, new odor control, and the rehabilitation of the existing wet well inside an existing building structure. The wet well rehabilitation included the removal of the existing building and the addition of a precast polymer concrete wet well barrel section to bring it up to proposed grade. The existing wet well liner was replaced with an FRP to have

Reference Information

Name: Juan C. Fleitas,
Sewer Department Supervisor

Telephone Number: 813.506.6594

Relevant Team Members

- Mike Semago, PE
- Jordan Walker, PE
- Seth Schmid, PE

one monolithic structure. Improvements also included a generator design, with a skid mounted diesel fuel tank to provide maximum resiliency during storm events or flooding. The work included hydraulic analysis and a bypass pumping plan of the lift station; preparation of plans providing for the replacement of the pumps, piping, valves, and controls; and construction management, including site visits and start-up.

1. SCHEDULE CONTROL: The lift station was completed and started up on time; however the additional gravity sewer replacement drove the project schedule past the original construction window.

2. COST CONTROL: A change order was needed to complete unforeseen conditions of a collapsing VCP gravity sewer onsite. Otherwise, 20% of project contingency was used for owner added improvements.

3. CONSTRUCTION PROBLEMS AND MEANS TAKEN TO SOLVE THEM: Once in the field, it was determined a gravity sewer connection to the existing king manhole was offset. An additional manhole was installed and pipe bursting was completed to replace the VCP pipe to the king manhole.

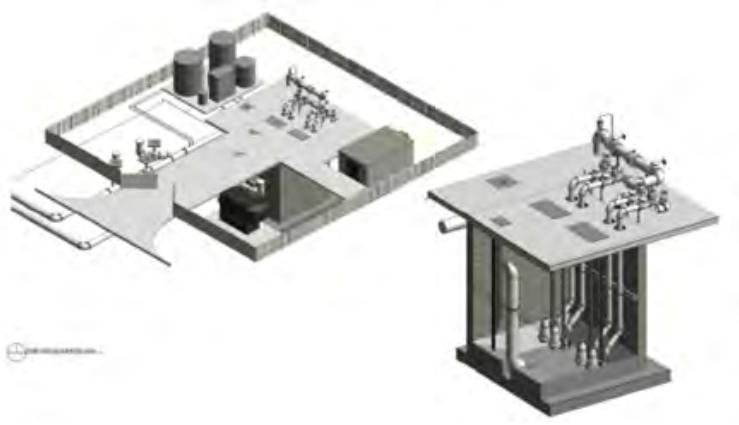
4. ANY ADDITIONAL CONSTRUCTION COSTS: $29k used out of project contingency for additional fence, manhole rehabilitation, and lead/asbestos survey, $360k change order was needed for the additional gravity sewer replacement.

5. PERTINENT TO LIFT STATIONS DESIGNS AND APPURTENANCES:

- Wet Well Conversion
- Hydraulic Modeling
- Bypass Plan
- Odor Control
- Pump Selection (Flygt N-Series Design Standard)
- Electrical/I&C
- Diesel Generator

Southeast Master Pump Station Siting and Force Main

Pasco County, FL



Reference Information

Name: Wayne Baker, MSEM, Senior Project Manager

Telephone Number: : 813.235.6189 Ext. 6986

Relevant Team Members

- Mike Semago, PE
- Wayne White, PE
- Jordan Walker, PE
- Seth Schmid, PE

The project developed a basis of design report based on the Southeast Master Pump Station Siting and Force Main Route Study (MPS Study) within Pasco County's Southeastern Sewer Collection System. Kimley-Horn utilized the County's existing pump daily runtime data, field hardware reports, future development plans, and land use categories to establish existing and future sanitary flows in a hydraulic model of the County's sewer system. The hydraulic model was used to properly size the MPS and the corresponding discharge force main to connect into the existing sewer system. The report provided site alternatives for a new master pump station (MPS) to provide additional sewer capacity for the service area as well as determined a route for the proposed force main to discharge to the headworks at the Southeast Wastewater Treatment plant (SEWWTP).

Kimley-Horn was selected by Pasco County after completing the study and coordinating alternatives to provide engineering services associated with the design, permitting, and construction observation of the proposed MPS on a vacant lot in the vicinity along Diana Drive, near Chancey Road, including 2,700 LF of 24" force main. Based on the estimated existing flow and projected future flow from the hydraulic model, a quadraplex pump station was recommended with four (4) 150-horsepower pumps. The quadraplex station will be phased as more development is completed, starting with a proposed 20-foot square quadraplex wet well and selected pumps that are initially designed for an intermediate flow condition while maintaining functionality for upgrading to full build-out flow conditions in the future. Additional components of the project include an electrical building, above-ground discharge pipe assembly, on-site generator, odor control unit, and 24-foot concrete driveway.

Please note: This project is currently in procurement with the intent to award to a low bidder for construction.

1. SCHEDULE CONTROL: N/A

2. COST CONTROL: N/A

3. CONSTRUCTION PROBLEMS AND MEANS TAKEN TO SOLVE THEM: N/A

4. ANY ADDITIONAL CONSTRUCTION COSTS CAUSED BY DESIGN DEFICIENCIES, NOT PROGRAM CHANGES: N/A

5. PERTINENT TO LIFT STATIONS DESIGNS AND APPURTENANCES:

- Hydraulic Modeling
- Wet Well Design
- Pump Selection
- Electrical/I&C Design
- Generator Design

References

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.

Kimley-Horn Reference List

Project Name: Bayshore Yacht Basin Master Lift Station Replacement

Client: Manatee County
Client Contact: Jeff Streitmatter III, PE, Project Management Division Manager
Telephone Number: 941.708.7450 Ext. 7335

Project Name: Master Lift Station SA Conversion to Wetwell

Client: City of Temple Terrace
Client Contact: Juan C. Fleitas, Sewer Department Supervisor
Telephone Number: 813.506.6594

Project Name: Lift Station Rehabilitation Program

Client: City of St. Pete Beach
Client Contact: Camden J. Mills, PE, Director of Public Services
Telephone Number: 727.363.9254

Project Manager/Lead Designer Reference List

Project Name: Gulf Cove Booster Pump Station, Charlotte County, FL

Client: Charlotte County Utilities
Client Contact: Bruce R. Bullert, Engineering Services Manager
Telephone Number: 941.764.4509

Project Name: Proctor Road Transmission Main and Pump Station No. 5 Improvements, Sarasota County, FL

Client: Sarasota County Government
Client Contact: Scott Dalton, Construction Project Manager
Telephone Number: 941.724.2214

Project Name: Peace River Manasota Regional Water Supply Authority Phase 2B Pipeline Project, Lakewood Ranch, FL

Client: Peace River Manasota Regional Water Supply Authority
Client Contact: Mike Knowles, PE, Director of Engineering
Telephone Number: 941.387.4884

Hyatt Reference List

Project Name: 21-2620-1 Lift Station 557 Force Main

Client: Black & Veatch
Client Contact: Thomas Rucker, East Region Commercial Manager - Water
Telephone Number: 913.458.2914

Project Name: 24900 – Dunedin Lift Station

Client: City of Dunedin
Client Contact: Patrick Prusak, Engineering Project Manager
Telephone Number: 727.298.3181

Project Name: 22-2693 – Lift Station 2 – NW Drive/Harmony Lane

Client: City of Sarasota
Client Contact: Anthony Centurione, Utilities Engineering Manager
Telephone Number: 941.263.6884

UES Reference List

Project Name: Reclaimed Water Transmission Main

Client: Cardno
Client Contact: Don McCullers, Senior Project Manager
Telephone Number: 727.431.1546

Project Name: City of Fort Myers RWTM – Phase 6A – Work Drive

Client: Black & Veatch
Client Contact: Mike McGee, PE, Project Engineering Manager
Telephone Number: 386.361.5374

Project Name: NE 2nd Place Investigation From NE 4th Street to Pine Island Road

Client: Tetra Tech
Client Contact: Christian Colarusso, PE, Project Manager
Telephone Number: 239.777.4299

Project Name: Bonita Spring Utilities Lift Station Telescoping Panels

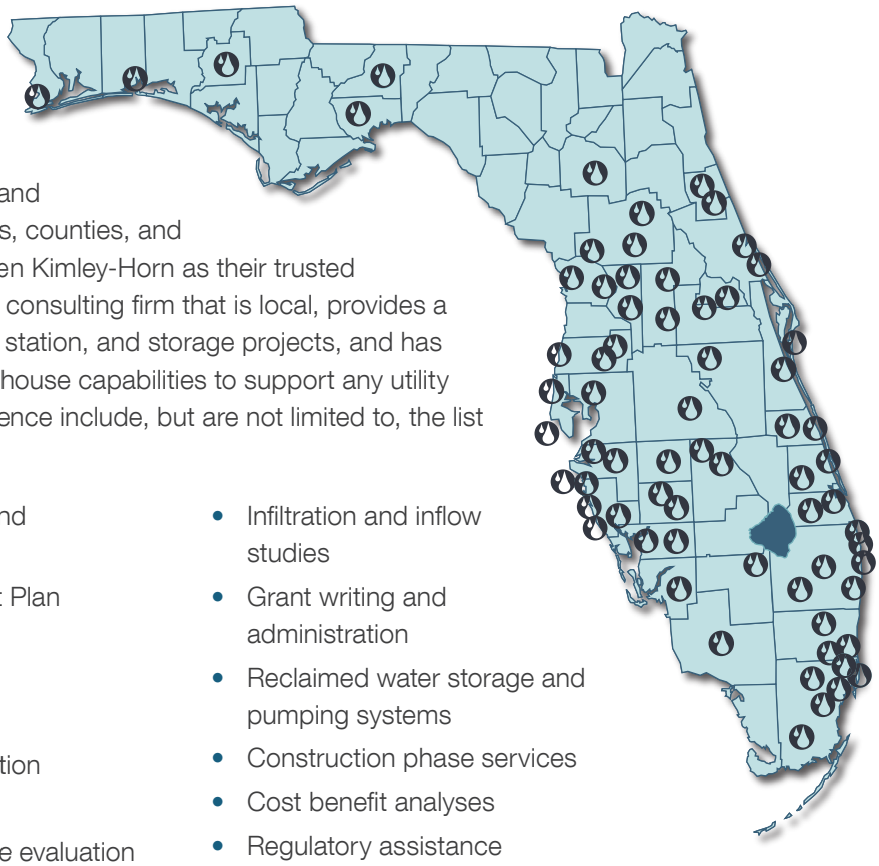
Client: Grady Minor
Client Contact: Alex Dunko, PE, Senior Project Manager
Telephone Number: 239.947.1144

VII. DESCRIBE YOUR EXPERIENCE AND CAPABILITIES IN THE FOLLOWING AREAS

VII. DESCRIBE YOUR EXPERIENCE AND CAPABILITIES IN THE FOLLOWING AREAS

Kimley-Horn offers Charlotte County a utility team that is committed to providing clients with cost-effective and state-of-the-art design solutions. We bring an understanding of utility system operations, end-user requirements, and design capabilities that enable Kimley-Horn to produce plans that are constructible, meet the needs of our clients, and minimize construction costs. More than 100 cities, counties, and local governments throughout Florida have chosen Kimley-Horn as their trusted consultant. We are pleased to offer the County a consulting firm that is local, provides a wealth of experience in utility conveyance, pump station, and storage projects, and has complementary multi-disciplinary engineering in-house capabilities to support any utility project. Our utility resources services and experience include, but are not limited to, the list provided below.

CURRENT FLORIDA INTEGRATED WATER MUNICIPALITIES SERVED

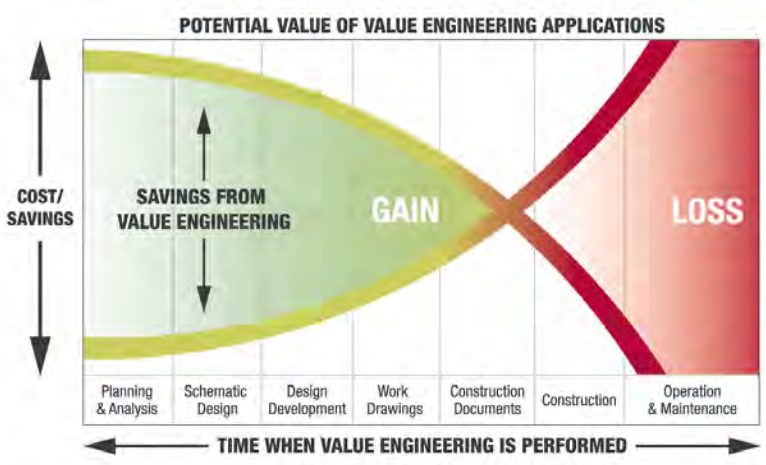


- Water distribution systems replacement and rehabilitation
- Master planning and Capital Improvement Plan development
- Water system evaluations
- Water and wastewater treatment
- Hydraulic model development and calibration
- Route evaluations/alternatives
- Pumping stations design and performance evaluation
- Comprehensive environmental and permitting services
- Reclaimed water distribution systems
- Infiltration and inflow studies
- Grant writing and administration
- Reclaimed water storage and pumping systems
- Construction phase services
- Cost benefit analyses
- Regulatory assistance
- Asset and data management
- Complex utility relocations
- Public outreach services

A. Value Engineering.

Kimley-Horn incorporates value engineering throughout every phase of our projects for the County. This approach supports informed decision-making, cost-effective solutions, and high-quality deliverables. Each task is reviewed by experienced professionals to ensure efficiency and maximize value. Our extensive municipal experience allows us to solve challenges creatively and deliver meaningful benefits. Because our deliverables directly influence construction costs, we focus on producing error-free, constructible designs. We apply value engineering principles from the initial concept through final completion. We develop detailed plans and specifications that clearly define project requirements. Designs are broken down into discrete pay items to eliminate contractor confusion during bidding and construction. Every deliverable undergoes a thorough QC/QA review before finalization. During construction, we monitor contractor progress, assist with interpreting contract requirements, and evaluate proposed modifications that may offer cost or schedule advantages. This proactive approach helps ensure that the County receives the greatest possible value from our services.

Value engineering is central to our methodology. It emphasizes better decisions, better information, and better analysis, which lead to cost savings, increased productivity, and precise deliverables. From study to design to construction, each step is carefully reviewed by qualified professionals to achieve optimal outcomes. Our knowledge of local construction costs enables us to help the County budget accurately for upcoming capital projects. We track trends in unit pricing and adjust our Opinion of Probable Costs to reflect current market conditions. This helps our clients anticipate costs for future project phases with confidence.



B. Life Cycle Cost Analysis.

Kimley-Horn has substantial experience with Life Cycle Cost Analysis (LCCA), an approach instrumental in evaluating the total cost of ownership over the life of an asset. Our methodology begins with a comprehensive analysis, where we evaluate all aspects of a project's costs—including initial investment, operation, maintenance, and eventual disposal or replacement. This holistic view helps clients understand the full financial implications of their projects. Our expertise spans various sectors, including electrical, mechanical, utilities, and transportation, allowing us to apply LCCA principles across a wide range of projects. To ensure accurate and reliable cost projections, we employ advanced tools and methodologies, including sensitivity analysis to account for variations in key assumptions.

Guided by our ethos of Exceptional Client Service, we tailor our LCCA efforts to meet the specific needs and objectives of our clients, working closely with stakeholders to ensure clarity and alignment throughout the process. LCCA is especially valuable in promoting sustainable and efficient design; by understanding long-term costs and benefits, we help clients make choices that minimize environmental impact and maximize economic efficiency. By integrating LCCA into our projects, we help clients make informed decisions that optimize both performance and cost-efficiency over the lifespan of their investments.

C. Critical Path Method.

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.

D. Fast-Track Construction.

Kimley-Horn has extensive experience with fast-track construction, a method designed to accelerate project timelines while maintaining quality and efficiency. Our approach begins with integrated project management, where our project managers coordinate closely with clients, contractors, and all stakeholders to streamline processes and ensure that all phases of the project are aligned and expedited. Early and continuous collaboration is key—we engage with all parties early in the design phase and maintain ongoing communication throughout the project. This helps in identifying potential issues and resolving them quickly, thus avoiding delays.

We also prioritize innovative design solutions. Utilizing advanced design tools and innovative approaches, our teams create designs that are not only functional and sustainable but also easy to implement within shortened timelines. Our experienced teams bring years of expertise in managing and executing fast-track projects, having developed best practices that help navigate the unique challenges posed by compressed schedules. In addition, we work proactively with regulatory agencies to secure necessary permits and approvals in an expedited manner, thereby reducing potential bureaucratic delays.

Where appropriate, we implement phased construction techniques, allowing different parts of the project to be completed simultaneously and leading to significant time savings. Comprehensive risk management strategies are integral to our fast-track projects—we identify potential risks early on and develop mitigation plans to ensure that the project stays on track. Despite the accelerated timelines, we never compromise on quality and safety. Rigorous quality control measures and safety protocols are implemented to ensure that the project meets all standards and regulatory requirements. By leveraging our expertise in fast-track construction, Kimley-Horn helps clients bring their projects to fruition quickly without sacrificing quality or increasing costs unexpectedly.

E. Energy Conservation.

Kimley-Horn is able to directly integrate sustainable principles with technical expertise to leave long lasting impacts on the projects and communities we serve both locally and nationally. Kimley-Horn is well-versed in developing green building alternatives using the fundamentals of LEED and other sustainable certification programs. Kimley-Horn's LEED certified professionals can help make informed choices that enable you to determine the appropriate balance between environmental and economic needs and implement creative solutions while achieving a high degree of sustainability. As a result, the firm's professionals strive to accomplish the following goals, compatible with LEED requirements, on each of our projects:

- Coastal resiliency and sustainable water quality management.
- Utility undergrounding and storm hardening.
- Reduction in the use of nonrenewable natural resources.
- Incorporation of systems and materials that are easily recyclable in the future and/or have recycled content.
- Facilitation of the use of recycled materials during construction and operation of the facility.
- Alternative and low emission transportation planning and design.
- Reduction in heat-island effects by innovative design.
- Greywater and innovative wastewater design.

To date, Kimley-Horn employs 125 LEED Accredited Professionals in-house throughout the country and has helped clients achieve LEED Certification on 200+ projects, including projects at the LEED Platinum Level. We are proud to rank #5 on Engineering-News Record's (ENR) list of the Top 100 Green Building Design Firm.

F. New Energy Resources.

Kimley-Horn stands apart as one of the most diverse consulting firms in the country. Our solar expertise in Florida is unmatched, ranging from efficient designs for 100-KW rooftop systems to 75-MW ground-mounted systems and everything in between. Our Florida solar team excels in handling mega-multi-phase solar projects spanning thousands of acres, collectively contributing to a substantial number of megawatts.

We also support clients nationwide with alternative energy projects that are crucial to our nation's energy vision. Our services span from large, utility-scale developments to niche, community-scale projects, including feasibility studies, site civil design, structural design, electrical design, environmental support, permitting, and entitlement processing for a growing number of solar developments.

Project Highlight

Duke Energy Floating Solar

Kimley-Horn was chosen by Duke Energy to provide professional engineering services for their first floating solar project in Florida. This innovative initiative is now generating clean, renewable energy, benefiting both customers and communities in the area. The floating solar array, nearly 1 megawatt in capacity, consists of over 1,800 solar panels strategically placed on a two-acre water surface at the Duke Energy Hines Energy Complex in Bartow, Florida. **Notably, the bifacial solar panels used in this installation can absorb light from both sides, potentially increasing power output by 10% to 20% compared to traditional single-sided panels.**

G. Environmental Assessment.

Kimley-Horn's staff of professional engineers, professional geologists, hydrogeologists, environmental scientists, and biologists have extensive experience planning and completing contamination assessments and remediation projects to limit impacts to construction schedules.

From initial site assessment through site remediation, our staff members are certified to conduct hazardous waste operations in conformance with EPA and OSHA requirements.

OUR SERVICES INCLUDE:

- **Hazardous Waste Site Assessment – Including sampling and analysis, field sample chemical screening, geophysical surveys, soil borings, and monitoring well installation.**
- **Hydrogeologic Investigations – Our services include providing support of water supply development, contamination migration assessments, and remedial planning.**

Regulatory Support – Including compliance audits, permitting, voluntary clean-up initiatives and response to regulatory agency enforcement action.

Our staff have performed thousands of Phase I and II Environmental Site Assessments, numerous contamination assessments and remediation projects for multiple public and private clients.

H. Specialized Experience – SCADA.

Kimley-Horn offers comprehensive SCADA, electrical, and instrumentation/control design and construction phase services for a wide range of water and wastewater infrastructure, including lift stations, pressure reducing stations, booster pump stations, storage facilities, and treatment plants. Our collaborative approach is grounded in a deep understanding of client-specific standards, industry norms, and best practices.

Our design services include the development of complete and detailed packages for electrical and instrumentation/control systems. These packages typically feature:

- P&IDs
- SCADA architecture and network diagrams
- One-line diagrams
- Electrical and lighting plans
- Instrumentation and controls plans
- Electrical and instrumentation details
- Control panel wiring diagrams
- Specifications with detailed functional descriptions

We also provide Construction Engineering and Inspection (CEI) services to ensure proper installation and integration of systems, proactively addressing challenges to maintain project timelines and design integrity.

In addition to design and CEI, we offer planning and study services to support long-term system reliability. This includes recommendations for equipment replacement and system modification strategies.

Jason Hoyt, PE, has provided program management services for Hampton Roads Sanitation District (HRSD) SCADA Upgrades, overseeing planning, coordination, and implementation of SCADA improvements across multiple facilities, ensuring alignment with HRSD's long-term operational goals.

Recognizing the importance of keeping standards current, Kimley-Horn also provides standards development and maintenance services. This includes:

- Specification development
- Layout and wiring diagrams for motor controllers, pump control panels, and SCADA panels
- Enhancements to existing electrical and instrumentation details
- Creation of new standards documentation

Jason has led development and updates of SCADA and control system standards for the City of Suffolk, VA, to support consistent design and integration across the municipality's infrastructure.

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

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 $2,104,348 in payments from Charlotte County (based on executed contracts with the County). Kimley-Horn has 14 active projects with the County.

IX. LOCATION

IX. LOCATION

Our team remains committed to delivering the local quality and expertise that Charlotte County has come to expect from our Sarasota and Fort Myers offices. These offices are proud to actively support you on water, wastewater, and stormwater projects. With nearby locations, we're able to provide a dedicated and responsive team that understands your needs and is ready to assist at a moment's notice.

Our ongoing commitment to serving Charlotte County reflects our passion for enhancing the community we love. With deep knowledge of the area and a strong local presence, we're proud to live, work, and play here. This connection allows us to offer unmatched accountability, responsiveness, and value. We believe that a strong commitment to client satisfaction is the foundation of our service to you.

Responsiveness of Team

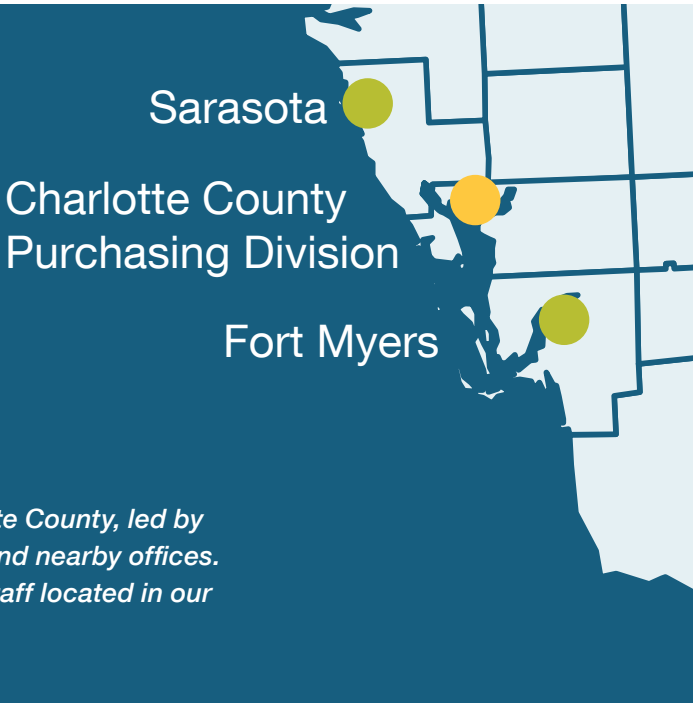
Our proximity to Charlotte County allows us to be at your office in less than an hour. However, responsiveness is much more than proximity or distance to you. Responsiveness means providing you with timely information, promptly returning phone calls, and addressing your needs effectively. At Kimley-Horn, we pride ourselves on putting our clients first. When you call, we will be there for you. We strongly believe that our continuing success rests on the strengths of our day-to-day management, vision for the firm, emphasis on quality, and responsiveness to you, our client. As part of our quality concept, Kimley-Horn leadership takes an active, hands-on role in the firm's day-to-day operations to see that our corporate commitments are met with our clients' satisfaction.

We have carefully assembled a key team of seasoned professionals who offer the high level of responsiveness you need throughout both the short- and long-term duration of this contract. Our team brings exceptional local knowledge, strong support, and extensive experience across the disciplines required. The depth of our staff in the necessary areas of expertise, combined with our familiarity with municipal needs, enables us to maximize coordination efforts, integrate resources effectively, adhere to project schedules, and manage budgets efficiently. With these processes in place, we are well-equipped to meet the technical and staffing demands anticipated for this contract.

Client Address:
Charlotte County Purchasing Division
18500 Murdock Circle, Suite 344,
Port Charlotte, FL 33948-1094

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

Kimley-Horn Fort Myers
1514 Broadway, Suite 301,
Fort Myers, FL 33901



Kimley-Horn will be performing all services for Charlotte County, led by our Sarasota office and supported by our Fort Myers and nearby offices. Statewide, there are over 1,650 professional support staff located in our 22 offices that can be called upon if needed.

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 29,993 active projects in Florida, 32 of which had some form of litigation. Of these cases, 2 were dismissed, 21 were settled, and 9 are pending. This represents 0.1067% 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 (5) 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.

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

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

Jennifer Curell v Florida Department of Transportation, et al; 19th Judicial Circuit in and for St. Lucie County, Florida; Cause No. 562022CA001297AXXXXHC; 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

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.

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

Yolanda Peaslee v The City of West Palm Beach, et al; Circuit Court of the 15th Judicial Circuit, Palm Beach County, Florida; Cause No. 502021CA004964XXXXMB; 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

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

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; settled; closed 2025

Maurico Suarez v Miami -Dade County, et al; 11th Judicial Circuit Court, Miami-Dade County, FL; Cause No. 2024-011127-CA-01; filed 2024; served 2025; alleged personal injuries claimed; dismissed; closed 2025

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; dismissed; closed 2025

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

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

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

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; served 2025; alleged economic loss, pending

North Meridian Condominium Association, Inc. v North Meridian, LLC, et al; 11th Judicial Circuit Court, Miami-Dade County, FL; Case No. 2025-001550-CA-01; filed 2025; alleged economic loss, pending

City of Sunrise v West Construction, Inc. v Kimley-Horn, et al; 17th Judicial Circuit in and for Broward County, FL; Case No. 24-017627; filed 2024; served 2025; 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. We believe this record of MBE firms utilized speaks well of Kimley-Horn's efforts to involve MBEs in our practice. Kimley-Horn will continue its long-standing practice of using MBE on current and future projects.

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. **For this contract we have teamed with Hyatt Survey Services, Inc., a certified MBE/WBE firm, for survey and SUE services.**


State of Florida

Woman Business Certification

Hyatt Survey Services, Inc.

Is certified under the provisions of 287 and 295.187, Florida Statutes, for a period from: 08/11/2025 08/11/2027

Pedro Allende
Florida Department of Management Services

Office of Supplier Development
4050 Esplanade Way, Suite 380
Tallahassee, Florida 32399
850-487-0915
www.dms.myflorida.com/osd

Our commitment to retaining minority firms to partner with us on projects is demonstrated by the amounts Kimley-Horn has paid to minority businesses during the past 10 years:

YEAR	TOTAL PAID	NUMBER OF FIRMS
2024	$123.2 million	774
2023	$93.9 million	769
2022	$71.1 million	716
2021	$54.67 million	608
2020	$54.56 million	553
2019	$41.5 million	364
2018	$25.5 million	165
2017	$22.3 million	176
2016	$16.5 million	186
2015	$15.5 million	198
2014	$12.2 million	190

We believe this record of MBE firms utilized speaks well of Kimley-Horn's efforts to involve MBEs in our practice. Kimley-Horn will continue its long-standing practice of using MBE on current and future projects.

XII. FORMS

XII. FORMS

Kimley-Horn has provided our completed and executed forms on the following pages. Per RFP No. 20250608, we have included the following forms:

- Proposal Submittal Signature Form
- Drug Free Workplace Form
- Human Trafficking Affidavit
- Certificate of Insurance

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 see the personnel table following				
	this form for a list of all project personnel.				

2.	Magnitude of Company Operations	
	A) Total professional services fees received within last 24 months:	$ 4,473,638,615
	B) Number of similar projects started within last 24 months:	210
	C) Largest single project to date:	$ 132,794,926.28

3.	Magnitude of Charlotte County Projects	
	A) Number of current or scheduled County Projects	14
	B) Payments received from the County over the past 24 months (based upon executed contracts with the County).	$ 2,104,348

4.	Sub-Consultant(s) (if applicable)	Location	% of Work to be Provided	Services to be Provided
	Hyatt Survey Services, Inc.	2012 Lena Road Bradenton, FL 34212	3%	Survey/SUE
	Universal Engineering Sciences, Inc.	1748 Independence Blvd Sarasota, FL 34234	2%	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 N/A
	Start Date	Ending Date
	Project Name/Description	

NAME OF FIRM Kimley-Horn and Associates, Inc.

(This form must be completed and returned)

6. Minority Business:	**Yes** _____ **No** X
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 subconsulants on our teams and Xthroughout the year, actively seeking to increase and update our large databas of qualified MBE firms to use on our future projects. Our aggressive MBE utlization 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.

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 9/9/2025 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. — Firm Name
919.677.2000 — Telephone

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

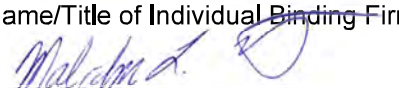
421 Fayetteville Street, Suite 600 — Home Office Address

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

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

Ashley Miele, PE, Project Manager/Lead Designer — Name/Title of your Charlotte County Rep.
941.379.7616 — Telephone

Lewis Bryant, PE, Senior Vice President — Name/Title of Individual Binding Firm (Please Print)



Signature of Individual Binding Firm
9/24/2025 — Date

Lewis.Bryant@kimley-horn.com — Email Address

(This form must be completed & returned)

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
Ashley Miele, PE – Project Manager/Lead Designer; Lift Station Rehabilitation and Design; Bid Phase and Construction Service	23	Sarasota	Sarasota	Sarasota
Lewis Bryant, PE – Principal-in-Charge	25	Fort Myers	Fort Myers	Fort Myers
Wayne White, PE – QC/QA	32	Lakeland	Lakeland	Lakeland
Jordan Walker, PE – Preliminary Engineering/Hydraulic Modeling; Lift Station Rehabilitation and Design	14	St. Petersburg	St. Petersburg	St. Petersburg
Madeline Kender, PE – Preliminary Engineering/Hydraulic Modeling; Lift Station Rehabilitation and Design	9	Sarasota	Sarasota	Sarasota
Bobby Brunner – Preliminary Engineering/Hydraulic Modeling	3	Sarasota	Sarasota	Sarasota
Jennifer Briggs, PMP – Preliminary Engineering/Hydraulic Modeling; Permitting Services	8	Sarasota	Sarasota	Sarasota
Emily Hetherington, EI – Permitting Services	3	Sarasota	Sarasota	Sarasota
Mike Semago, PE – Lift Station Rehabilitation and Design	13	St. Petersburg	St. Petersburg	Tampa
Jeff Goodwin – Operations and Maintenance	26	Sarasota	Sarasota	Sarasota
Chris Thornberry – Operations and Maintenance	43	Fort Myers	Fort Myers	Fort Myers
Dan Bornmann, PE – Operations and Maintenance	7	Sarasota	Sarasota	Sarasota
Michael Bennett – Bid Phase and Construction Service	4	Sarasota	Sarasota	Sarasota
Ramon Diaz – Bid Phase and Construction Service	28	Sarasota	Sarasota	Sarasota
Trenton Strackbein, PE – Site/Civil and Landscape Architecture	11	Sarasota	Sarasota	Sarasota

Ed Dean, PLA, LEED AP – Site/Civil and Landscape Architecture	14	Sarasota	Sarasota	Sarasota
Jason Hoyt, PE – Electrical/I&C	19	St. Petersburg	St. Petersburg	St. Petersburg
Ian Flemings, PE, LEED GA – Electrical/I&C	19	St. Petersburg	St. Petersburg	Tampa
Ronnie Van Fleet, PWS – Environmental/Tree Arborist	37	Sarasota	Sarasota	Sarasota
Sarah Johnson, CSE – Environmental/Tree Arborist	23	Tampa	Tampa	Tampa
Seth Schmid, PE – Structural	29	Sarasota	Sarasota	Sarasota
Joseph Roberts, PE – Structural	15	Orlando	Orlando	Orlando
Diana Bello – Grant Assistance	18	Fort Myers	Fort Myers	Fort Myers
Laura Wittenbauer – Grant Assistance	24	Sarasota	Sarasota	Sarasota
Russell Hyatt, PSM (Hyatt) – Survey/SUE	35	Bradenton	Bradenton	Bradenton
Pamela Hyatt, PSM (Hyatt) – Survey/SUE	23	Bradenton	Bradenton	Bradenton
Matthew Elmore, PE (UES) – Geotechnical	19	Fort Myers	Fort Myers	Fort Myers
Adam Dornacker, PE (UES) – Geotechnical	12	Fort Myers	Fort Myers	Fort Myers

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

9/24/2025
Date

NAME OF FIRM Kimley-Horn and Associates, Inc.

(This form must be completed and returned)

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

Charlotte County Contract #20250608

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

1. I am over the age of 18 and I have personal knowledge of the matters set forth except as otherwise set forth herein.

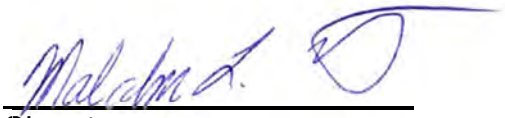
2. I am an officer or representative of the Nongovernmental Entity and authorized to provide this affidavit on the Company's behalf.

3. Nongovernmental Entity does not use coercion for labor or services as defined in Section 787.06, Florida Statutes.

4. This declaration is made pursuant to Section 92.525, Florida Statutes. I understand that making a false statement in this declaration may subject me to criminal penalties.

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

Further Affiant sayeth naught.



Signature

Lewis Bryant, PE

Printed Name

Senior Vice President

Title

Kimley-Horn and Associates, Inc.

Nongovernmental Entity

9/24/2025

Date

END OF PART IV

NAME OF FIRM Kimley-Horn and Associates, Inc.

(This form must be completed and returned)

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 3/20/2025

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

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

PRODUCER Edgewood Partners Insurance Agency 3780 Mansell Rd. Suite 370 Alpharetta GA 30022	**CONTACT NAME:** Jerry Noyola **PHONE (A/C, No, Ext):** 7702207699 **FAX (A/C, No):** **E-MAIL ADDRESS:** greylingcerts@greyling.com
INSURED KIMLASS Kimley-Horn and Associates, Inc. 421 Fayetteville Street, Suite 600 Raleigh, NC 27601	**INSURER(S) AFFORDING COVERAGE** — **NAIC #** **INSURER A :** National Union Fire Ins Co of Pittsburg — 19445 **INSURER B :** Allied World Assurance Co (U.S.) Inc. — 19489 **INSURER C :** New Hampshire Insurance Company — 23841 **INSURER D :** Lloyd's of London — 85202 **INSURER E :** **INSURER F :**

COVERAGES **CERTIFICATE NUMBER:** 1574569136 **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X **COMMERCIAL GENERAL LIABILITY** [ ] CLAIMS-MADE [X] OCCUR X Contractual Liab GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [X] LOC [ ] OTHER:			GL5268169	4/1/2025	4/1/2026	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 2,000,000 $ 1,000,000 $ 25,000 $ 2,000,000 $ 4,000,000 $ 4,000,000
A A	**AUTOMOBILE LIABILITY** X ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS X HIRED AUTOS ONLY [X] NON-OWNED AUTOS ONLY			CA4489663 (AOS) CA2970071 (MA)	4/1/2025 4/1/2025	4/1/2026 4/1/2026	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 2,000,000 $ $ $
B	X **UMBRELLA LIAB** [X] OCCUR X **EXCESS LIAB** [ ] CLAIMS-MADE [ ] DED [X] RETENTION $ 10,000			03127930	4/1/2025	4/1/2026	EACH OCCURRENCE AGGREGATE	$ 5,000,000 $ 5,000,000
C C	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		WC067961230 (AOS) WC013711885 (CA)	4/1/2025 4/1/2025	4/1/2026 4/1/2026	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 2,000,000 $ 2,000,000 $ 2,000,000
D	Professional Liability			B0146LDUSA2504949	4/1/2025	4/1/2026	Per Claim Aggregate	$2,000,000 $2,000,000

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

Evidence of Coverage

CERTIFICATE HOLDER

Sample Certificate

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

Gregg Bachtel