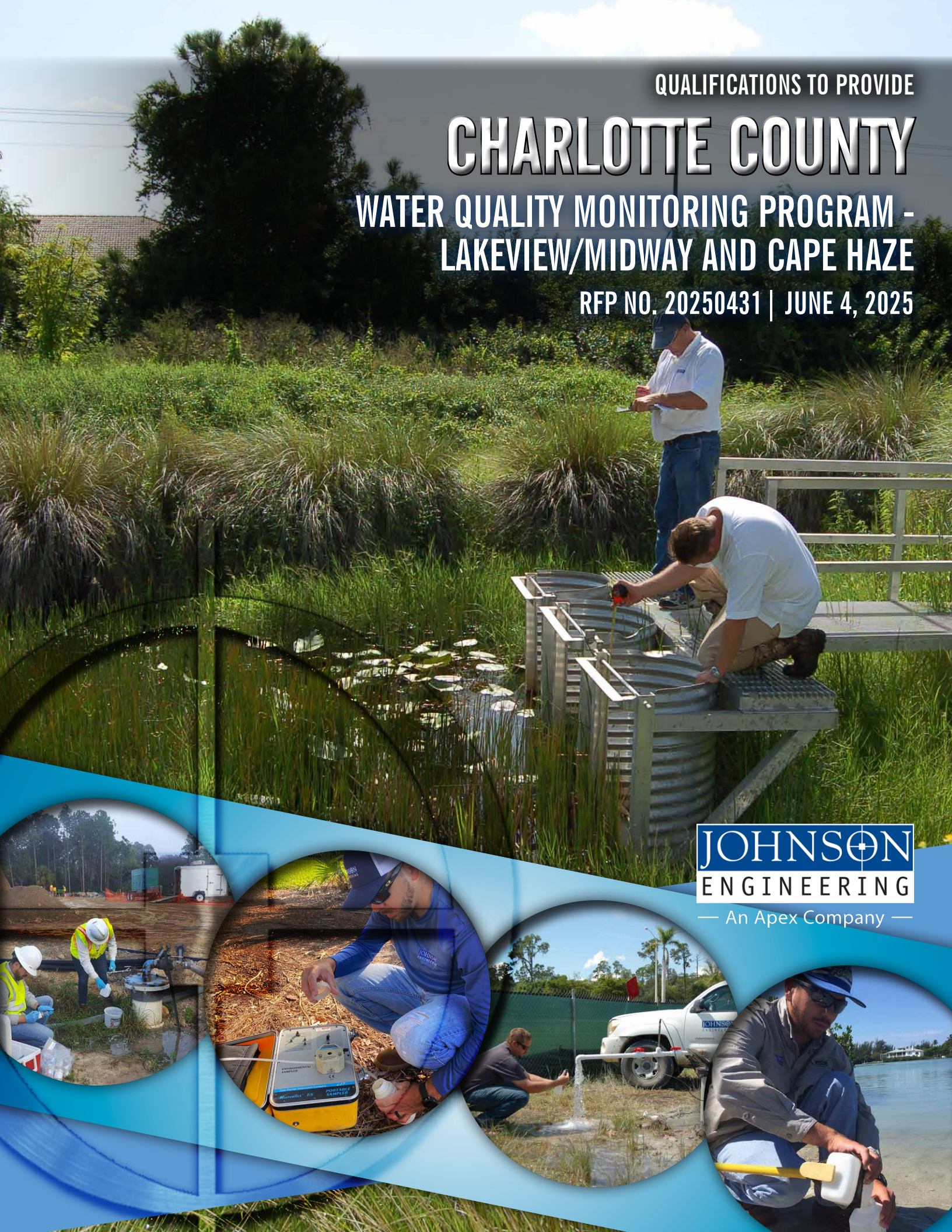


QUALIFICATIONS TO PROVIDE

# CHARLOTTE COUNTY

## WATER QUALITY MONITORING PROGRAM - LAKEVIEW/MIDWAY AND CAPE HAZE

RFP NO. 20250431 | JUNE 4, 2025



**JOHNSON**  
**ENGINEERING**

— An Apex Company —

## Cover Letter

I. Team Proposed for this Project	I
II. Proposed Management Plan	4
III. Previous Experience of Proposed Team	6
IV. Project Control	9
V. Proposed Design Approach	11
VI. Recently Accomplished Similar Projects	12
VII. Experience & Capabilities	14
VIII. Volume of Work	16
IX. Location	17
X. Litigation	18
XI. Minority Business	19
XII. Forms	20



June 4, 2025

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

**Re: Water Quality Monitoring Program - Lakeview/Midway & Cape Haze, RFP No. 20250431**

Dear Selection Advisory Committee Members:

Johnson Engineering, LLC is pleased to submit our qualifications to assist you with your Water Quality Monitoring Program for the Lakeview/Midway and Cape Haze project areas. Our team is comprised of geologists, engineers, water quality and environmental scientists, professional surveyors, and water well contractors with decades of groundwater and surface water investigation experience. We are grateful for having had the opportunity to develop and implement septic to sewer water quality monitoring programs for Charlotte County as part of the North Shore and East & West Spring Lakes projects. Our experience gained from overseeing groundwater and surface water monitoring as part of those projects paired with discussions with County staff for the Cape Haze project have provided our Team with the skills and understanding to develop and execute the comprehensive monitoring plan needed to demonstrate pollutant load removal for the Lakeview/Midway and Cape Haze Septic to Sewer Projects.

Johnson Engineering, LLC is well versed in developing and executing Quality Assurance Project Plans and Standard Operating Procedures in accordance with Grant Work, Florida Department of Environmental Protection, and Water Management District programs. We recognize the importance of coordinating with stakeholders and local laboratories to provide scientifically defensible water quality data. Our professionals routinely execute and oversee surface water and groundwater sampling, data review and validation, groundwater monitoring well construction, water quality sampling equipment deployment, and regulatory reporting. Our Team has a strong understanding of the interactions between septic systems and the hydrogeological cycle. Previous projects have provided our team with the experience and toolset necessary for septic to sewer projects including the development of cost-effective long term monitoring plans, surface water and groundwater flow and nutrient transport modeling, well construction oversight, sampling plans and standard operating procedures, and the collection and validation of defensible data.

Johnson Engineering understands the delicacy of this project and is prepared to work with Charlotte County, Western Michigan University, and other key stakeholders to achieve the end goal – develop and execute a defensible water quality monitoring plan to gather data in support of Charlotte County's septic to sewer infrastructure projects from beginning to end.

We enjoy working with Charlotte County and appreciate the opportunity to work with your team to deliver a strong, technical-based approach to the project. Please feel free to contact me for any questions or additional information.

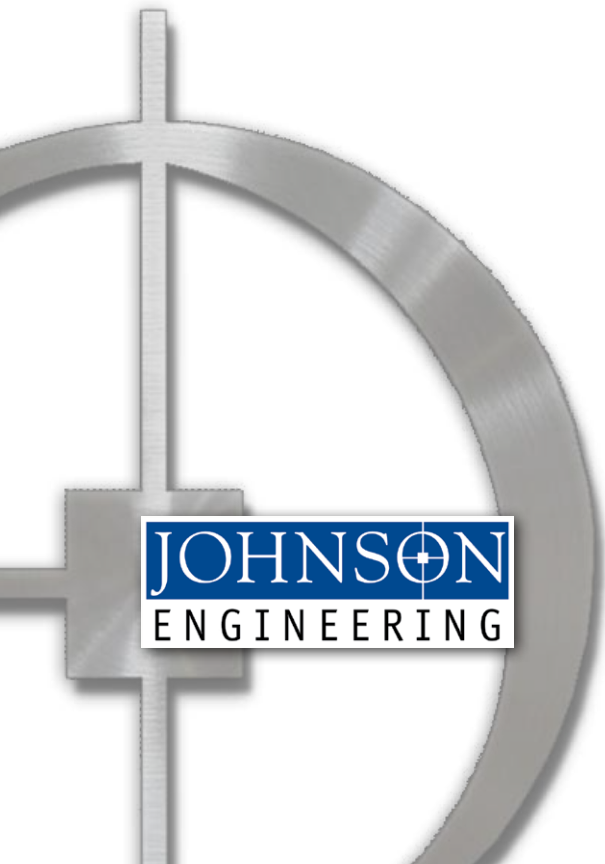
Your Neighbor,  
Johnson Engineering, LLC

Alec Piironen, PG  
Project Manager

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

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I. Team Proposed for this Project



## A. BACKGROUND OF THE PERSONNEL

Johnson Engineering states these persons will not be substituted without the express permission of the County for the duration of this project.

### 1. Project Manager

#### **Alec Piironen, PG - Project Manager/ Geologist**



Alec joined Johnson Engineering in 2022 and is a hydrogeologist in the company's water resources group. He is professional geologist responsible for overseeing water use permitting and compliance motoring for various water management district and Florida Department of Environmental Protection (FDEP) projects, performing water resource assessments, development of groundwater monitoring programs, well construction oversight, and deep injection well permitting. Additionally, Alec joined Johnson Engineering with a combined 9 years of experience working as a geologist/engineering technician with other Environmental Consulting Firms, where he worked on a variety of landfill construction and monitoring, contaminated site investigation and remediation, and environmental compliance projects in various states.

### 2. Other Key Personnel

#### **Lonnie Howard, PE - Principal-in-Charge**



Lonnie began working for Johnson Engineering in 1994 after completing the University of Florida's graduate program in groundwater and open channel hydraulics. His dedication and leadership enabled him to be elected President of the firm in 2012. Under his direction, the firm has successfully exceeded its target revenue, profit, and business growth objectives for the last eight years. This success is based in part to Lonnie's relentless commitment to client satisfaction and out-of-the-box strategies to improve efficiency. In addition to running the overall operations of the firm, Lonnie is a professional engineer that also works alongside the firm's groundwater resources team. He has extensive experience in hydrogeological investigations, well construction, wellfield design, groundwater modeling, dewatering plans, deep injection wells, water supply planning, and water use permitting. He has worked on numerous projects for municipalities, utilities, private developers, and agricultural clients. Lonnie has also provided expert testimony before hearing examiners related to zoning cases and before the Governor's cabinet pertaining to water supply and hydrogeology at the Babcock Ranch.

#### **Chris Beers, PE, PSM - Local Liaison**



Chris is the branch manager of our Charlotte County office and has 31 years of experience. He has managed land development projects in Florida, Utah, Kentucky, and Indiana. As the manager of our Charlotte County office, Chris is very familiar with the local stakeholders and issues. He will assist in the coordination with interested parties and local agencies, as well as permitting compliance correspondence. He is the Engineer of Record (EOR) as well as project manager for many Charlotte County projects.

#### **Erik Howard, PE, PSM - Engineer and FL Licensed Well Contractor**



Erik joined Johnson Engineering in 2003. Erik earned both his Master of Engineering and Bachelor of Science in Civil Engineering degrees from the University of Florida. As an engineer and surveyor, with multiple contractor licenses, Erik is familiar with both the technical and construction side of projects. Erik's experience as an engineer includes modeling of surface water, groundwater, pipe hydraulics, pump hydraulics, potable water systems, irrigation water systems and wastewater system. Erik is experienced in data analysis, design, permitting, bidding, and construction administration of a variety of types of projects. He routinely performs detailed calculations, prepares specialized plans and specifications for projects that require an 'out-of-the-box' approach. Erik's technical background and practical experience allows him to handle any water well project, whether it be simple data analysis or complex water quality calculations.

**Jordan Varble, PE - Engineer**

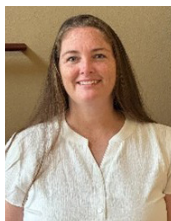
Jordan joined Johnson Engineering in 2015 and is a Professional Engineer in the company's Water Resources group. Jordan earned his Master of Science in Civil Engineering from Colorado State University in 2011 and Bachelor of Science in Civil Engineering from Missouri S&T in 2009. Jordan's experience as an engineer includes regional watershed modeling, surface water design, regulatory permitting, well design, groundwater modeling, data analysis, hydraulic pipe modeling, observation and analysis of geophysical logging programs, construction inspection, groundwater testing and analysis, water demand calculations, technical report writing, land surveying, agricultural irrigation system evaluation, engineering due diligence and expert witness engineering reports.

**Kevin RisCassi, PSM - Survey**

Kevin joined Johnson Engineering in 2001 and is the firm's Director of Survey and Mapping services. He is responsible for the continued development of the field personnel, ensuring that fundamental knowledge and the latest technology is available and understood by his team. Kevin has more than 33 years of experience successfully providing both residential and commercial clients with control, boundary, topographic, route, and hydrographic surveys, as well as right of way mapping on transmission lines, and construction staking. He was instrumental in helping introduce and development of our current hydrographic and GPS capabilities and has performed numerous hydrographic surveys on local waterways.

**Tim Denison - Water Quality Specialist**

Tim joined Johnson Engineering in 2003 as an environmental scientist. Tim has developed project specific water quality monitoring programs for several of our clients including Charlotte County Utilities, Lee County Natural Resources, Collier County Stormwater, Lee County Port Authority, and Florida Department of Transportation. He has also been instrumental in conducting hydrologic monitoring using automated data logging equipment, such as ISCO automated samplers, In-Situ water level dataloggers, YSI water quality data sondes, and Sontek Acoustic Doppler Flowmeters. His recent projects include surface and groundwater impact evaluation of septic to sewer conversion, water quality sampling of fresh vs. estuarine rivers and streams, deep injection well drilling observation, South Florida Water Management District (SFWMD) Water Use Permit compliance monitoring, Total Maximum Daily Load (TMDL) monitoring, Basin Management Action Plan (BMAP) evaluation, flow monitoring, and calculation of pollutant load reductions.

**Jess McPherson - Environmental Scientist**

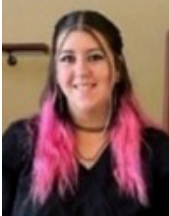
Jess joined Johnson Engineering in 2019 and again in 2025 as an Environmental Scientist in the company's Water Resources group. She is responsible for water use permitting, environmental site assessments, developing Spill Prevention, Control, and Countermeasure (SPCC) compilation of the National Pollutant Discharge Elimination System (NPDES) annual reports, and assistance with the Basin Management Action Plans (BMAPs). She has written reports and performed on-site investigations of environmental site assessments and groundwater sampling according to the FDEP Standard Operating Procedures (SOPs). Previously, Jess worked for Florida Gulf Coast University as a laboratory manager while finishing her Master's Degree in Environmental Science and most recently was the NPDES Coordinator for Lee County Natural Resources. During her time at Lee County, she reviewed site plans, inspected construction sites, and enforced any violations to the Clean Water Act.

**Abe Elizarraraz - Environmental Scientist**

Abe joined Johnson Engineering in 2014 and has been working as an Environmental Scientist since 2015. In this position, he has led surface water and groundwater sampling for a myriad of water quality projects in southwest Florida. Abe received training from FDEP on the Standard Operating Procedures (SOPs) for surface water, groundwater, and drinking water. Abe's continued efforts include water quality sampling for the City of Sanibel NPDES Surface Water monitoring, City of Bonita Springs Water Quality monitoring, Collier County Gordon River Water Quality Park (Freedom Park), as well as numerous others in South Florida. Abe has also assisted in Protected and Endangered Species Surveys for the Babcock Ranch Development. In addition, he has contributed to numerous Phase I Environmental Site Assessments within Southwest Florida.

**Duane Heller - Environmental Scientist/Field Oversight**

Duane joined Johnson Engineering in 2024 and is an Environmental Scientist in the company's water resources group. He is responsible for performing hydrogeologic investigations, water resource assessments, overseeing mechanical integrity testing for Class I deep injection wells and compiling associated compliance reporting, support in hydrologic monitoring program development efforts, water management district water use permit applications and collection/reporting of compliance data (flow meter calibrations, chloride, water use) and FDEP permitting for Class I UIC wells. Additionally, Duane joined Johnson Engineering with one year of experience working as a Geophysical Logging Technician, where he worked on a variety of groundwater and UIC Class I deep injection well projects including construction, rehabilitation, and abandonment.

**Lily Silva, GIT - Hydrogeologist**

Lily joined Johnson Engineering in 2023 and worked as a Water Resource Scientist for several months. She returned to Johnson Engineering in December 2024, working as a Hydrogeologist in the Water Resources group. In this position, she has performed hydrogeologic investigations, water resource assessments, Phase I Environmental Site Assessments, and water management district water use permit applications. Lily studied from FDEP on the Standard Operating Procedures (SOPs) for surface water and groundwater and received the ASTM E1527 Phase I Environmental Site Assessment for Commercial Real Estate certification. Lily's continued efforts include water quality sampling for the City of Sanibel NPDES Surface Water Monitoring, City of Bonita Springs Water Quality and Flow Monitoring, and Village of Estero Water Quality and Flow Monitoring, as well as numerous others in Southwest Florida.

**3. Consultants****APEX, Michael Alfieri, PG, PHg, CGWP- Surface water/Groundwater Modeling**

Michael (Mike) Alfieri, PG, PHg, CGWP is a professional geologist licensed in 13 states, including Florida, and a nationally certified/registered hydrogeologist with almost 30 years of experience. Mr. Alfieri manages hydrogeological/water resource engineering teams in the evaluation, planning design, testing, permitting, and construction of wells for potable supply, deep injection, and managed aquifer recharge. He is one of four groundwater professionals in the State of Florida to be registered by the National Groundwater Association (NGWA) as a Certified Groundwater Professional (CGWP) and one of five professionals in the State of Florida to be registered as a Professional Hydrogeologist (PHg.) by the American Institute of Hydrology (AIH). He is past Chair of the Florida Board of Professional Geologists, a position he previously held along with Vice Chair of the Board, the past Chairman of ASTM Subcommittee D18.21.03: Well Design, Maintenance & Construction, and is a member of the National Groundwater Association's Managed Aquifer Recharge work group.

**Advanced Environmental Labs - Laboratory**

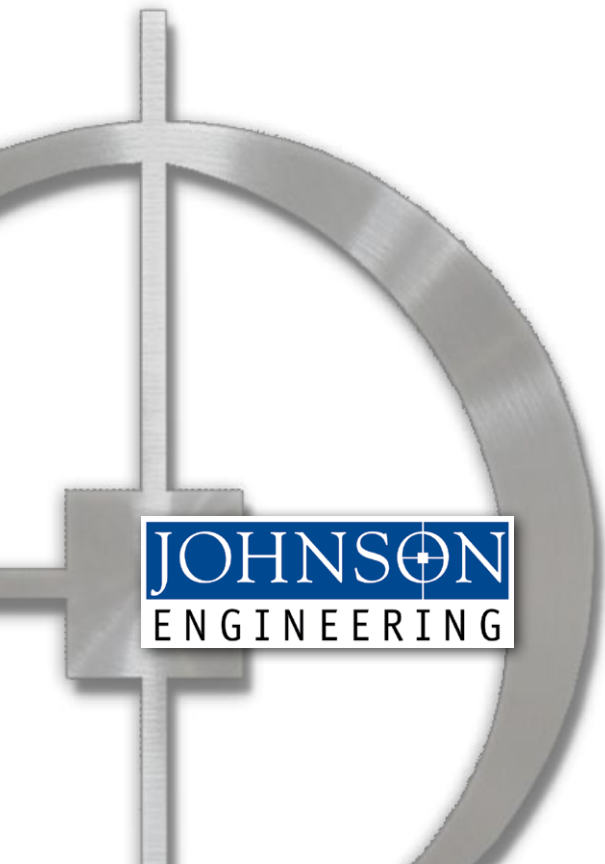
Advanced Environmental Laboratories, Inc. (AEL) is the largest environmental testing laboratory network in Florida. AEL is headquartered in Jacksonville, FL, with 7 additional labs throughout the Sunshine State. Over the past decade, AEL has expanded its federal laboratory services covering the US and Caribbean. AEL offers comprehensive environmental testing services to their client.

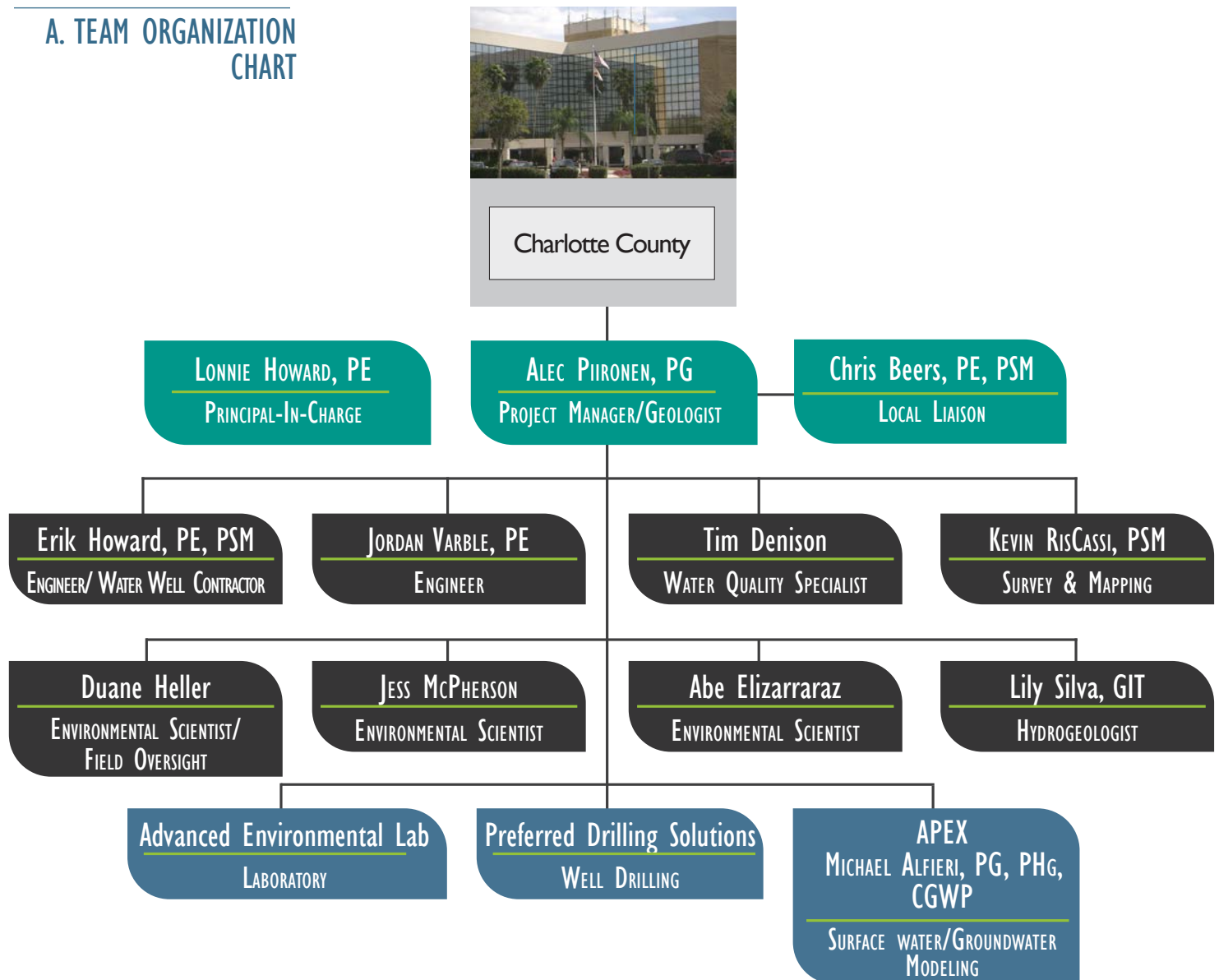
**Preferred Drilling Solutions - Well Drilling**

Preferred Drilling Solutions, Inc. (PDS) has extensive experience with prime contractors who perform environmental projects for the Florida Department of Environmental Protection (FDEP), private property owners/developers and at military/federal facilities. PDS has capabilities of using hollow stem auger, mud rotary and direct push drilling methods with track mounted rigs. PDS's environmental drilling services include installation of monitoring, air sparging, vapor extraction, dual phase extraction, recovery, and remediation injection point wells. PDS performs continuous and discrete soil borings, and soil and groundwater sampling, as well as the installation of air sparge. PDS performs well abandonment including pad and manhole removal.

## II. Proposed Management Plan

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A. TEAM ORGANIZATION  
CHART



### Project Management Approach across Pre-, During-, and Post-Construction Monitoring Phases

The project's duration will require forward thinking. It is our team's intention to develop a monitoring plan that will align with the County's goals through the Pre-, During, and Post-Construction Phases of monitoring/construction. This will be essential in minimizing the need to modify the monitoring plan throughout the duration of this project. Each component of the monitoring plan will be evaluated based on current project understanding as well as how this monitoring plan will look in 15 years from now. Something as simple as monitoring well location being within a proposed area that may be developed or land modified should be considered. Our Team is excited about this challenge.

### Internal Coordination, Communication, and Quality Assurance Procedures

Alec will assign team members and resources to fit the scope and schedule. Internal progress meetings with our team will assist Alec with forecasting workload and project needs to assign the appropriate staff to specific tasks within the scope of work. We pride ourselves on employees who work efficiently and effectively to deliver a high-quality project. At no time will quality be compromised due to costs or schedule and quality assurance is accomplished through a rigorous internal review process. Once a deliverable is ready for distribution, Alec plans to provide to County and/or WMU staff for additional review before public distribution. This has proven effective for other projects with the County and ensures the entire Team is aware and in agreement with the information being presented.

### Proposed Management and Deliverables Tracking

Charlotte County staff and our team will have appropriate planning and progress meetings to review the schedule, issues, calculations, plans, and deliverables. The time, frequency, and place of these meetings will be determined when the initial project schedule is made and adjusted, as needed. It is our experience that these meetings occur more frequently at project kickoff and towards the completion of the project. Therefore, our team anticipates increased meetings and coordination during each phase of monitoring. Minutes are kept and distributed with notes, statements, directions, and adjustments, as needed.



## ALEC PIIRONEN, PG Hydrogeologist



arp@johnsoneng.com  
239.464.0914

### Years Experience

9 years

### Education/Training

Earth and Environmental Sciences,  
University of Illinois at Chicago  
(2015)

ASTM 1527-21

MODFLOW

### Licensing & Registration

Florida Professional Geologist  
License No. PG3184

Alec joined Johnson Engineering in 2022 and is a hydrogeologist in the company's water resources group. He is responsible for performing hydrogeologic investigations, water resource assessments, aquifer performance testing, support in hydrologic monitoring program development efforts, and water management district water use and Florida Department of Environmental Protection (FDEP) permitting. Additionally, Alec joined Johnson Engineering with a combined 6 years of experience working as a geologist/engineering technician with other Environmental Consulting Firms, where he worked on a variety of landfill construction and monitoring, contaminate investigation and remediation, and environmental compliance projects.

### Relevant Experience

- **Groundwater Monitoring and Reporting** - Conducted and managed field activities for groundwater monitoring and reporting for commercial/industrial facilities in various state regulatory programs. Groundwater monitoring included laboratory method selection, geochemical parameter and groundwater elevation measurements, sample collection, data interpretation, report preparation, and regulatory program management.
- **Phase I and II Environmental Site Assessments (ESAs)** - Oversees the historical document inquiry and review, site reconnaissance, report preparation and review for various commercial/industrial clients. Assisted and managed various scopes of work (SOWs) to address recognized environmental conditions identified in Phase I ESAs for commercial/industrial properties in various states. SOWs included the review of Phase I ESAs, development of investigation activities and remedial action, as applicable.
- **Water Use Permitting through the South Florida Water Management District (SFWMD)** - Prepared water use permit applications for various commercial, residential, and industrial clients (irrigation and dewatering). Performed water resource assessments in various locations and aquifers throughout south Florida, regulatory review and SFWMD coordination, and stewardship of water use permit application through the Request for Addition Information (RAI) stage to completion. Supported in groundwater modeling efforts using MODFLOW and AquiferWin32 numerical modeling to demonstrate drawdown and potential impacts to existing users (cumulative and non-cumulative models).
- **Ave Maria Hydrogeological Investigations** - Assisted with Sandstone and Lower Tamiami aquifer irrigation well construction oversight, aquifer performance testing and water quality analysis.
- **Town and County Utility Hydrogeological Investigation at Babcock Ranch** - Assisted with Upper Floridan aquifer test well construction oversight (soil logging, geophysical and video logging, integrity testing), aquifer performance testing and water quality analysis.
- **City of Cape Coral RO Treatment Plant Injection Well Mechanical Integrity Test (MIT)** - Assisted with field oversight and documentation of field activities, compiling MIT report including 5-year data review and validation, field methods and procedures, and MIT results and conclusions.
- **Babcock Ranch Well Abandonment Oversight** - Assisted with agricultural well locating throughout the property, coordinated well site access with various contractors, and performed well abandonment oversight.
- **Underground Storage Tank Investigations, Removal, and Regulatory Closure** - Assisted with and managed SOWs and field activities for leaking underground storage tank/system piping investigations, tank removals, and regulatory closure. SOWs included subsurface investigations of soil and groundwater, and vapor intrusion assessment, regulatory program management, and assistance in obtaining a No Further Action/Remediation determination.
- **Wastewater Treatment System Operations & Maintenance** - Conducted routine maintenance on system components and assisted in report preparation for a wastewater treatment system. Routine maintenance included discharge effluent sampling, operating permit compliance, and system repairs.

## **Lonnie Howard, PE** **President**



lhoward@johnsoneng.com  
239.461.2429

### **Years Experience** 32 years

### **Licensing & Registration** Florida Professional Engineer, License No. 53167

Florida Water Well Contractor,  
 License No. 7177

### **Education/Training** M.E. Hydraulics (1995), B.S. Civil Engineering (1993), University of Florida

Lonnie began working for Johnson Engineering in 1994 after completing the University of Florida's graduate program in groundwater and open channel hydraulics. His dedication and leadership enabled him to be elected President of the firm in 2012. Under his direction, the firm has successfully exceeded its target revenue, profit, and business growth objectives for the last eight years. This success is based in part to Lonnie's relentless commitment to client satisfaction and out-of-the-box strategies to improve efficiency. In addition to running the overall operations of the firm, Lonnie is a professional engineer that also works alongside the firm's groundwater resources team. He has extensive experience in hydrogeological investigations, well construction, wellfield design, groundwater modeling, dewatering plans, deep injection wells, water supply planning, and water use permitting. He has worked on numerous projects for municipalities, utilities, private developers, and agricultural clients. Lonnie has also provided expert testimony before hearing examiners related to zoning cases and before the Governor's cabinet pertaining to water supply and hydrogeology at the Babcock Ranch.

### **Relevant Experience**

- **Wastewater Treatment Plant Class I Deep Injection Well, Lee County Utilities, Fort Myers Beach, FL** - Lonnie was the project manager involved in all aspects of construction inspection of the injection well and associated dual-zone monitoring well. The injection well was completed to a total depth of 3,036 feet and was designed to dispose of 7.9 MGD of secondarily treated effluent. Recent tasks include permit renewal for continued operation of the injection well.
- **Hydrogeological Investigation of the Upper Floridan Aquifer System, Town and Country Utilities Company, Babcock Ranch, FL** - Lonnie was the project manager responsible for the hydrogeologic investigation at Babcock Ranch in Charlotte County for development of the Public Water Supply Wellfield for Town and Country Utilities. This project included design, testing, construction observation, and construction administration of 2 upper Floridan Aquifer test production wells completed to depths of 940 feet and two dual-zone monitor wells completed to depths of 1,400 feet. Testing of these wells included full suite geophysical logging and seven-day constant rate pumping and recovery tests. Data collected from this investigation was analyzed and used to design and permit (08-00122-W) a 7 MGD public water supply wellfield through the South Florida Water Management District.
- **LaBelle Private Drainage District Water Supply Permitting, LPDD, LaBelle, FL** - As project manager, Lonnie's tasks included permit renewal for continued operation of 43 MGD water supply sourcing water from C-43 and includes 8 Lower Hawthorn production wells. This project also included flow calibration of a 6-pump pumping station capable of 150,000 gallons per minute (216 MGD).
- **Hydrogeological Investigation of the Upper Floridan Aquifer, Corkscrew Wellfield, Lee County Utilities, Fort Myers, Florida** - Lonnie served as project manager for this project that included design, testing, construction observation, and construction administration of an Upper Floridan Aquifer test production well completed to depth of 810 feet and one dual-zone monitor well completed to a depth of 863 feet. Testing of these wells included full suite geophysical logging and 72-hour constant rate pumping and recovery tests along with the associated analyses of the aquifer performance testing.
- **North Fort Myers Utility Deep Injection Wells, North Fort Myers, FL** - Lonnie was the project manager responsible for the permit renewal of North Fort Myers Utility's existing 4 MGD deep injection well and associated mechanical integrity testing along with the design and permitting through the Florida Department of Environmental Protection of a proposed 7.9 MGD deep injection well.
- **Hydrogeological Investigation and Well Construction, Coffmill Cattle Company, Ortona, FL** - Lonnie was the project well contractor responsible for the construction of 5 wells ranging in depth from 30' to 700' to evaluate the Surficial, Intermediate, and Upper Floridan Aquifer Systems as it relates to hydrogeology, water quality, sustained yield, and potential environmental impacts.

**CHRISTOPHER BEERS, PE, PSM****Port Charlotte  
Branch Manager**

cbeers@johnsoneng.com  
941.766.6262

**Years Experience**

31 years

**Education/Training**

MBA (2003), Indiana University

B.S. Civil Engineering (1994),  
Brigham Young University

**Licensing & Registration**

Florida Professional Engineer,  
License No. 64594

Florida Professional Surveyor &  
Mapper, License No. 6664

Indiana Professional Engineer,  
License No. 1000003 59

Utah Professional Engineer,  
License No. 276397-2202

Kentucky Professional Engineer,  
License No. 24118

Kentucky Professional Surveyor,  
License No. 3744

**Professional Affiliations**

Peace River Engineering Society

Charlotte County Economic  
Development Partners

FES Myakka Chapter Member

Chris joined Johnson Engineering in 2006 and is the branch manager of our Charlotte County office. His relevant experience includes years of managing civil engineering projects of all scopes and scales, including stormwater, utilities, transportation, aviation, and land development for both public and private clientele. During his time in Port Charlotte, Chris has provided leadership for several Charlotte County capital projects including stormwater, parks and transportation projects. He can take a project from conception to as-built performing or managing the multiple disciplines needed to bring a project together. He has a diverse background in permitting and agency (Federal, State and local) compliance. He has represented projects and clients in a variety of public processes and led community involvement in meetings. He is a Charlotte County resident living in Deep Creek.

**Relevant Experience**

- **Fire District #10, Charlotte County** - Johnson Engineering performed the survey, site design, permitting, Charlotte County site plan review, utility design/permitting, environmental, and landscape design for this new fire station on Palm Island. This project was unique as it was on a barrier island and had to abide by the Bridgeless Barrier Island Land Development Zoning code and regulations. Also, the property selection due diligence portion was extensive with the County requiring public meetings and presentation to the Fire Marshal and Board of County Commissioners. The property had gopher tortoises which required extensive environmental studies and gopher tortoise permitting and relocation. The project was completed on time and within budget.
- **Eastport Master Planning, Charlotte County** - Johnson Engineering provided professional planning and design services for approximately 691 acres located in the northwest quadrant of Interstate 75 and Harborview Road in Port Charlotte. The goal of this project was to create a long-term plan for future County facilities. We conducted interviews with personnel of five Departments/Divisions to determine anticipated needs and trends over a 20-year horizon to accommodate future growth of: Facilities Construction and Maintenance, Utilities (Loveland Complex, Administration, Warehouse), Community Services Maintenance and Natural Resources, Public Works Administration, Operations and Engineering. The Master Plan provides a framework and vision for the County to ensure adequate access, parking, water management, building space, yard areas, and open space are allocated within the County's government facility campus so they can meet future demands.
- **O'Donnell Regional Park - Baseball Field Addition, Port Charlotte** - Project manager new NCAA Division I Baseball Field addition. Included SWFWMD, Charlotte County, CCU permitting. Currently in construction, to be completed for Big Ten NCAA Baseball Tourney to begin Feb 2012.
- **O'Donnell Regional Park Phase 2, Port Charlotte** - Project manager for 83± acre regional park for the Charlotte County Parks Department; facilities include softball, baseball, soccer, frisbee golf, lake system, etc.
- **Oyster Creek Regional Park, Englewood** - This marquee park for the Charlotte County Regional Park system is located in Englewood on San Casa Road. It is a 175-acre park that includes 65+ acres of improvements consisting of three football fields, Cricket field, basketball, tennis, pool facilities, and 18,000 square foot 'state of the art' skate park, along with other amenities. The park has 3,700+ linear feet of nature trails and 3,000+ linear feet of pedestrian trails. Chris served as project manager, field engineer and the engineer of record during the construction phase, completion and agency close-out.
- **Elkcam Waterway Bridge on US 41 Access Roads, Charlotte County** - Project engineer for survey, design and permitting for both access road bridges for the civil portions of projects. Was member of design/build team, started project in March 2011 and began construction in July 2011 with all permits acquired. Now in construction.
- **Year 1 Sidewalks, Charlotte County** - Project manager for survey, design and permitting for six sidewalk locations within Charlotte County comprising of 5.5 miles of 6'-8' sidewalk. Construction has commenced on 5/6 sidewalks.

## ERIK HOWARD, PE, PSM Professional Engineer



ehoward@johnsoneng.com  
239.461.2441

### Years Experience 23 years

### Licensing & Registration

Florida Professional Engineer,  
License No. 66574

Florida Professional Surveyor and  
Mapper, License No. 6959

State of Florida Certified  
General Contractor,  
License No. CGC1517855

State of Florida Certified  
Electrical Contractor,  
License No. EC13005228

State of Florida Certified  
Plumbing Contractor,  
License No. CFC1428169

State of Florida Water  
Well Contractor,  
License No. 7278

Leadership in Energy &  
Environmental Design Accredited  
Professional (LEED AP)

### Education/Training

Master of Engineering, Hydrological  
Sciences Concentration, (2003),  
University of Florida

B.S. in Civil Engineering (2002),  
University of Florida

### Civic

DeSoto County Planning and  
Zoning Commissioner

Erik joined Johnson Engineering in 2003. He earned both his Master of Engineering and Bachelor of Science in Civil Engineering degrees from the University of Florida where his graduate study was focused on water resources with an emphasis on groundwater. As an engineer, licensed water well contractor and general contractor, Erik is familiar with both the technical and construction side of groundwater projects.

Erik's experience as an engineer includes modeling of surface water, groundwater, pipe hydraulics, pump hydraulics, potable water systems, irrigation water systems and wastewater system. Erik is experienced in data analysis, design, permitting, bidding, and construction administration of a variety of types of projects. He routinely performs detailed calculations, prepares specialized plans and specifications for projects that require an 'out-of-the-box' approach. Erik's technical background and practical experience allows him to handle any water well project, whether it be simple data analysis or complex water quality calculations.

### Relevant Experience

- **Lee County Utilities, North Lee County Water Treatment Plant DIW II** - Engineer of Record and project manager for the design, permitting, and construction inspection services for a second injection well and dual zone monitor well for brine disposal.
- **Lee County Utilities, Green Meadows Water Treatment Plant Expansion** - Engineer of Record for hydraulic modeling, design and permitting (FDEP ERP, FDEP PWS, USACE, FWC, FDEP UIC) of a wellfield expansion for the Lee County Utilities Green Meadows Water Treatment Plant Expansion. The project entailed evaluation of 27 existing wells within the Surficial and Sandstone aquifers, design of six Floridan aquifer wells, two deep injection wells, two dual zone monitor wells, 60,000 feet of pipeline, and five-mile-long access road.
- **City of Fort Myers Eastwood Wellfield Expansion** - Project manager for design and permitting for the drilling, testing and construction of two Upper Florida Aquifer public water supply wells, three Upper Florida Aquifer test wells, and installation of approximately 3,000 linear feet of raw water transmission line at the City of Fort Myers Eastwood wellfield.
- **Lee County Utilities, Corkscrew 5 MGD Wellfield Expansion** - Design, permitting, and construction inspection services for 30,000 feet of raw water main (24-inch to 10-inch) and 24 water wells. Mr. Howard was the Engineer of Record for construction administration services and project certification. This project included 26 pumps and 30,000 feet of piping.
- **Charlotte County Utilities, West Port Dual-Zone Monitor Well** - Performed well logging, testing, groundwater modeling and data analysis to determine the cause of the decline in well yield.
- **Desoto County Utilities, GEO/DCF Wellfield Expansion** - The project included existing wellfield evaluation with aquifer performance testing of in-service wells, SWFWMD water use permit modification, well and raw water main design, FDEP permitting, bidding and construction administration services. Mr. Howard served as the project manager, engineer, and construction inspector. Mr. Howard tailored bidding specification to strictly adhere to permit conditions and ensure contractor conformance as part of this project.
- **USACOE Campground Well Investigation** - This project entailed the investigation of sand production from an existing well. The well was pumped developed, air developed, and video logged. This project showed that the well was short cased and should be abandoned and replaced. This well was completed in the Upper Floridan aquifer and was free flowing artesian.
- **Charlotte County Utilities, Rotonda ASR Well** - Construction and inspection services for a reclaimed water ASR system. Mr. Howard reviewed the proposed construction plans and provided recommendations for cost savings that the County was able to realize.
- **Lee County Natural Resources, Wellhead Protection Ordinance** - Provided peer review and comments of the proposed Lee County Wellhead Protection Ordinance.

**JORDAN VARBLE, P.E.**  
**Water Resources**

jvarble@johnsoneng.com  
239.461.2431

**Years Experience**  
15 years**Education/Training**  
M.S. Civil Engineering  
Colorado State University  
(2011)

B.S. Civil Engineering  
Magna Cum Laude  
Missouri S&T  
(2009)

Working Proficiency in Spanish

ArcGIS, AutoCAD, HEC-RAS  
ICPR4, BMPTrains, and MS Office

**Licensing & Registration**  
Professional Engineer  
FL License No. 81414**Civic**  
Citizen Scientist for  
CoCoRaHS Rain Network

Returned U.S. Peace Corps  
Volunteer

Jordan joined Johnson Engineering in 2015 and is a Professional Engineer in the company's Water Resources group. Jordan earned his Master of Science in Civil Engineering from Colorado State University in 2011 and Bachelor of Science in Civil Engineering from Missouri S&T in 2009. Jordan's experience as an engineer includes project management, regional watershed modeling, surface water design, regulatory permitting, well design, groundwater modeling, data analysis, construction inspection, water demand calculations, technical report writing, land surveying, engineering due diligence and expert witness engineering reports.

**Relevant Experience**

- **Sanibel Surface Water Management Master Plan (2025 Update)** - Lead Project Manager for the City of Sanibel's update of the Surface Water Management Master Plan following the storm surge impacts of Hurricane Ian (2022). The master plan serves as a guide for future City actions by establishing long-range strategies focusing on flood mitigation, resiliency, and sea level rise.
- **South Ten Mile Canal Flood Mitigation** - Lead Project Manager and Engineer of Record for canal improvements to provide increased flood mitigation for the communities adjacent to the most downstream segment of Ten Mile Canal. Multiple stormwater models were developed in support of a Benefit Cost Analysis. Lee County submitted the results of the analysis to the Florida Division of Emergency Management in support of Hazard Mitigation grant applications to the Federal Emergency Management Agency.
- **Regional Water Control Structures** - Engineer of Record and Lead Project Manager for the design of major water control structures (weirs) throughout SWFL. Clients include Hendry County (conceptual design: Canal C-1 Roy Brown Canal, and Austin Relief Canal), City of Cape Coral (Weirs 8, 16, 17, and 29), Lee County (conceptual design: Ten Mile Canal, IDD Canals L and J), Collier County (Upper Gordon River, Imperial Basin). Designs included fixed-crest weirs with motor-operated gates that are controlled remotely via SCADA.
- **Southern Lee County Flood Mitigation Plan - Phase 3** - Developed conceptual designs for regional projects to mitigate flooding problems highlighted by Hurricane Irma in 2017 for the south Fort Myers area of Lee County. Coauthored the final report that summarized the results from the regional hydrologic computer model for each conceptual project and recommended prioritized improvements. While the project focused primarily on flood mitigation, discussions also included on water quality, wetland enhancement, recreation and water conservation. Also authored the local model section of the report, performing detailed hydrologic and hydraulic studies of three waterways to better refine the conceptual design and confirm the results of the regional model.
- **Neighborhood Stormwater Retrofit** - Engineer of Record for the rehabilitation of existing stormwater infrastructure to provide increased flood mitigation and water quality improvement within older neighborhoods in the City of Fort Myers, Golden Gate City, Lely, Imperial Golf Estates, unincorporated Collier County and Naples.
- **Environmental Resource Permitting (ERP) / Surface Water Management** - Named consultant on over 125 ERP applications submitted through SFWMD, FDEP, and SWFWMD for institutional, residential and commercial developments. Work included applications for major and minor ERP modifications through the preparation of stormwater management plans, ICPR & HEC-RAS models, and coordination with District staff. Clients include: FGCU, FSV, Cypress Lake Country Club, PRMRWSA, The Forum, Collier County, Lee Health, Shell Point, West Bay Club, Hendry County, The Brooks Club, FPL, Florida State Parks, Lee County (Utilities, Parks & Rec, Facilities, Port Authority), Verandah, Habitat for Humanity, the Harborage, Magnolia Landing and Bridgetown.
- **Public Water Supply Systems, Republic of Panama, U.S. Peace Corps** - Traveled throughout Panama to provide field engineering services for rural public water supply systems. Worked with local partners and Non-Governmental Organizations (NGOs) to secure grant funding, collaborate on maintaining water treatment systems, teaching proper handwashing techniques and promote environmental health and hygiene. Prepared preliminary designs, hydraulic modeling, and drawings of the water systems. Performed onsite construction observation services and coordination of materials and labor. Lived and worked for two years in rudimentary living conditions, experiencing extreme temperatures and long, arduous travel.

**KEVIN RISCASSI, PSM**  
**Project Surveyor**



kriscassi@johnsoneng.com  
 239.461.2410

**Years Experience**  
 33 years

**Licensing & Registration**  
 Florida Professional Surveyor &  
 Mapper, License No. LS6433  
 License Acquired: 7/28/03

MOT Certification

**Education/Training**  
 B.A. Economics (1992),  
 Trinity College

**Professional Affiliations**  
 Florida Surveying and  
 Mapping Society

Kevin joined Johnson Engineering in 2001 and has 33 years of surveying experience, including control, boundary, topographic, route, hydrographic, construction, GPS, elevation certificates and mortgage surveys. He has six years of field experience as a survey crew chief, three years as a survey technician and has been licensed as a professional surveyor since 2003. Kevin serves as project manager on hydrographic, boundary, design and construction projects.

**Relevant Experience**

- **Kitson & Partners, Babcock Ranch Community Phase IA, Town Square, and Phase IBI Surveys** – Kevin led the surveying services to complete the platting of Babcock Ranch Community Phase IA & Town Square in 2012 and is currently in the process of platting Babcock Ranch Community Phase IBI. He has performed hydrographic surveys on several of the lakes, prepared topographic surveys for design and quantity analysis, construction staking on the Earthsource Relocation Site and prepared tree surveys for permitting applications.
- **Clam Pass, Collier County, FL** - Kevin was responsible for control survey, beach cross sections, profile data and hydrographic mapping on four cuts flowing to the pass.
- **Gasparilla Island Bride Authority Toll Bridge, Gasparilla Island, FL** - Kevin was responsible for control and mapping hydrographic data necessary in dredging and design analysis for the construction of new bridges.
- **Ding Darling, Sanibel, FL** - Kevin was responsible for vertical control, obtaining cross sections on drainage creeks and topographic data collection on approximately 230 acres mangrove vegetated land for runoff and restoration studies.
- **South Fork East CDD Amenity Center Expansion, Riverview, FL** - Kevin was responsible for the topographic and boundary survey data necessary to prepare concept alternatives and site design for a community activity area and building expansion at this public facility within the South Fork East Community Development District.
- **U.S. Navy Turning Basin at Key West Bight, Key West, FL** - Kevin played an instrumental role in the hydrographic survey of an existing basin for design.
- **United States Sugar Corporation, Hendry, Glades & Palm Beach County, FL** - Kevin was one of five professional Johnson Engineering employees in charge of control, title review and boundary work associated with 80,000 acres of USSC property.
- **Windham/Magnolia Landing, Lee County FL** - Kevin was responsible for producing a 983-acre boundary survey. Kevin is currently working on boundaries associated with future planned development within existing boundary.
- **Magnolia Landing Unit One, Lee County, FL** - Kevin is the surveyor of record for the plat.
- **Florida Power & Light, Alico/Orange River #3, Lee & Collier County, FL** - Kevin was responsible for the aerial control, record drawings for design, right of way survey, construction staking of new transmission line and as-builts on new improvements.

**TIMOTHY DENISON****Environmental Scientist**

tdenison@johnsoneng.com  
239.461.2458

**Years Experience**

29 years

**Education/Training**

B.S. Physics Engineering (1996),  
University of Central Oklahoma

FDEP SOP water quality sampling  
for ground, surface, & wastewater

USEPA ultra-trace  
metals sampling techniques

SFWMD and SWFWMD  
water use accounting calibration  
flow monitoring

ASTM International Environmental  
Site Assessment Standards

**Professional Affiliations**

Water Environment Federation

Florida Stormwater Association

Florida Society of  
Environmental Analysts

Tim joined Johnson Engineering in 2003 as an environmental scientist. He currently manages water quality monitoring projects for our water resources group. Tim has developed project specific water quality monitoring programs for several of our clients including Florida Department of Transportation (FDOT), Lee County Natural Resources, Collier County Stormwater, Hendry County, Lee County Port Authority (LCPA), and City of Bonita Springs. His current projects involve testing best management practices (BMPs), total maximum daily load (TMDL) monitoring, stormwater runoff characterization, flow monitoring, and calculating pollutant load reductions. Tim is proficient in Florida Department of Environmental (FDEP) Standard Operating Procedures (SOP) for surface water/groundwater sampling, is active in the Florida Stormwater Association (FSA), and has presented project findings at a variety of stormwater conferences. He has also been published in *Florida Scientist*.

**Relevant Projects:**

- **City of Bonita Springs TMDL Monitoring** - A comprehensive water quality monitoring program was developed and implemented to evaluate surface water discharge impacts to sensitive Water Body Identifications (WBIDs) such as Spring Creek and Imperial River. The program has been expanded recently to provide additional sampling locations and fresh vs. marine designations as part of the Basin Management Action Plan (BMAP) to evaluate progress toward the Total Maximum Daily Load (TMDL) assigned to Imperial River.
- **City of Sanibel NPDES Sampling** - Monthly water quality grab samples and field instrument measurements are collected near Blind Pass and along the Sanibel River in support of the National Pollutant Discharge Elimination (NPDES) permit. The chlorophyll-a and nutrient data will help track progress in water quality improvement related to pollutant load reduction outlined in the BMAP developed for Sanibel Slough East and Sanibel Slough West.
- **Freedom Water Quality Park Evaluation** - Monthly chloride and water quality samples are collected along with continuous water levels and flows to determine the benefit of pollutant load reduction to Gordon River, an impaired water body which has been assigned a TMDL. A chain of constructed and natural wetlands is used to improve water quality and restore hydrology. The site has also been outfitted with continuous recording water level dataloggers, flowmeters, and conductivity sensors. Data is monitored and downloaded remotely to optimize pump use and hydrologic conditions.
- **FDOT District One Water Quality Characterization** - Water quality evaluation of stormwater runoff was conducted along several state roadways with various levels of service. Automated, refrigerated, programmable samplers, as well as water level dataloggers and rainfall collection sensors were installed to determine runoff concentrations and treatment pond pollutant load removal efficiency. The data was incorporated into the Statewide Stormwater Rule and resulted in reduction of nutrient runoff concentration values for specific road use.
- **Coral Creek Country Club WUP Monitoring** - Weekly stage, monthly water use, and quarterly chloride data are collected and reported to SWFWMD. Annual reports are prepared to demonstrate that fresh surface water lake irrigation pumping has not significantly impacted the salinity of the water.

**JESS MCPHERSON****Environmental Scientist**

Jessica.mcpherson@apexcos.com

239.461.2430

**Years Experience**

6 years

**Education/Training**

M.S. Environmental Science  
(2020)

B.S. Marine Science (2016),  
Florida Gulf Coast University

ASTM Environmental Site  
Assessments for Commercial Real  
Estate Training (2019)

DEP SOPs for Water Sampling &  
Meter Testing (2019)

DEP SOPs for Groundwater  
(2019)

Florida Stormwater, Erosion, and  
Sedimentation Control  
Inspector (2019)  
Instructor (2022)

OSHA 40 Hr HAZWOPER  
(2025)

**Professional Affiliations**

Florida Association of  
Environmental Professionals –  
Southwest Florida Chapter  
(SWFAEP)  
International Erosion Control  
Association (IECA)

Jess joined Johnson Engineering in 2019 and again in 2025 as an Environmental Scientist in the company's Water Resources group. She is responsible for water use permitting, environmental site assessments, developing Spill Prevention, Control, and Countermeasure (SPCC) compilation of the National Pollutant Discharge Elimination System (NPDES) annual reports, and assistance with the Basin Management Action Plans (BMAPs). She has written reports and performed on-site investigations of environmental site assessments and groundwater sampling according to the FDEP Standard Operating Procedures (SOPs). Previously, Jess worked for Florida Gulf Coast University as a laboratory manager while finishing her Master's Degree in Environmental Science and most recently was the NPDES Coordinator for Lee County Natural Resources. During her time at Lee County, she reviewed site plans, inspected construction sites, and enforced any violations to the Clean Water Act.

**Relevant Experience**

- **City of Sanibel NPDES Surface Water Sampling** - Assist with monthly water quality samples collected from twelve (12) monitoring stations along Blind Pass and the Sanibel River for use in the NPDES annual report for the City of Sanibel. This data is reviewed for yearly water quality influences and may be used for pollutant loading calculations in the future.
- **City of Bonita Springs Water Quality and Flow Monitoring** - Assist with monthly water quality samples collected around the City of Bonita Springs for use in the NPDES annual report.
- **Phase I MS4 NPDES Annual Reporting** - Work with clients on completing the Annual Reports that need to be submitted to FDEP. Develop other required attachments that are required, including the water quality assessment and pollutant loading calculations. Attend meetings with Lee County co-permittees. Assist in outfall inspections for client.
- **Phase II MS4 Annual Reporting** - Work with clients on completing the Annual Report and additional documents that need to be submitted to FDEP. Develop other required documents that may be necessary.
- **NPDES Audit Assistance** - Assist client with audits and providing and/or developing documents that may be required for these audits. Respond to FDEP on behalf of the clients.
- **Monitoring Well Installation and Sampling** - Assisted in the installation of monitoring wells for sampling. During installation soil samples were taken for lithology of the well locations. Pressure transducers were installed to monitor the water level. Assist with groundwater sampling for multiple parameters in wells. The wells are also used to monitor the direction of the groundwater flow and collect water samples for water quality purposes.
- **Permitting** - Prepare applications and supporting documents for Water Use Permits for irrigation and dewatering permits for proposed construction for future developments. Permit applications are for projects in South Florida Water Management District.
- **Spill Prevention, Control, and Countermeasure (SPCC)** - Perform site visits to locate tanks and drainage on site. Write new plans and update plans for potential spills as needed by the client.
- **Phase I Environmental Site Assessments (ESA)** - Worked on multiple ESA projects. Perform site visits to assess the risk of petroleum or hazardous chemical contamination, send questionnaires and interpret aerials to determine past uses of the property, and research nearby contaminated sites to determine the impact on the subject property. Write a report for each assessment based on ASTM E1527-21.
- **Basin Management Action Plans (BMAP)** - Work with communities on projects that are reported to the FDEP to improve the water quality.
- **Florida Stormwater, Erosion, and Sedimentation Control Instructor** - Set up trainings for local contractors and municipal inspectors based on the FDEP training class.

**ABE ELIZARRARAZ****Environmental Scientist**

aelizarraraz@johnsoneng.com  
239.461.2472

**Years Experience**

10 years

**Education/Training**

B.A. Environmental Studies  
(2010),  
Florida Gulf Coast University

University of Florida - Introduction  
to DEP SOP's for Surface &  
Groundwater Sampling/Calibration  
& Verification of Field Testing  
Meters

ASTM International Environmental  
Site Assessment Standards

MSHA Certified

FAA Certified Remote Pilot Small  
Unmanned Aircraft System  
4315503

Abe joined Johnson Engineering in 2014 and has been working as an Environmental Scientist since 2015. In this position, he has led surface water and groundwater sampling for a myriad of water quality projects in southwest Florida. Abe received training from FDEP on the Standard Operating Procedures (SOPs) for surface water, groundwater, and drinking water. Abe's continued efforts include water quality sampling for the City of Sanibel NPDES Surface Water monitoring, City of Bonita Springs Water Quality monitoring, Collier County Gordon River Water Quality Park (Freedom Park), as well as numerous others in South Florida. Abe has also assisted in Protected and Endangered Species Surveys for the Babcock Ranch Development. In addition, he has contributed to numerous Phase I Environmental Site Assessments within southwest Florida.

**Relevant Experience**

- **City of Sanibel NPDES Surface Water Sampling** - Monthly water quality samples are collected from twelve monitoring stations along Blind Pass and the Sanibel River in support of a National Pollutant Discharge Elimination System (NPDES) permit for the City of Sanibel. Samples are collected by trained Johnson Engineering personnel in accordance with FDEP Standard Operating Procedures samples and analyzed by a state certified laboratory for nutrients and other parameters that may be impacted by stormwater runoff. Additional water quality data is collected at each monitoring location using various field instruments.
- **City of Bonita Springs Water Quality and Flow Monitoring** - A comprehensive water quality monitoring program was developed and implemented to evaluate surface water discharge impacts to sensitive Water Body Identifications (WBIDs) such as Imperial River. Monthly water quality samples are collected by trained Johnson Engineering personnel in accordance with FDEP Standard Operating Procedures.
- **Freedom Water Quality Park Monitoring & Evaluation** - Water quality samples are collected during periods of discharge along with continuous water levels and flows to determine the benefit of pollutant load reduction to Gordon River, an impaired water body which has been assigned a Total Maximum Daily Load (TMDL). Samples are collected by trained Johnson Engineering personnel in accordance with FDEP Standard Operating Procedures. This project involved water quality monitoring, water level monitoring, data downloading, and instrumentation/calibration.
- **Brooks West Discharge Surface Water Sampling** - Water quality samples are collected monthly in support of the Brooks of Bonita Springs Community Development District's (CDD) National Pollutant Discharge Elimination (NPDES) permit. Samples are collected by trained Johnson Engineering personnel in accordance with FDEP Standard Operating Procedures from one inflow monitoring station and three outflow monitoring stations along the boundaries of the Bonita Springs community during periods of discharge. The samples are analyzed by a state certified laboratory for nutrients and other parameters that may be impacted by stormwater runoff. Additional water quality and monitoring data including water levels and rainfall are continuously recorded by on-site instruments.

**DUANE HELLER****Water Resources**

dheller@johnsoneng.com  
239.461.2468

**Years Experience**

1 years

**Education/Training**

B.S. Marine Science  
Minor in Geology  
(2022)  
Florida Gulf Coast University

Mine Safety and Health  
Administration (MSHA) Training  
Course - Polk State College

Phosphate Mine Safety Training  
Course - Polk State College

Proficient in ESRI ArcGIS PRO &  
Google Earth

Duane joined Johnson Engineering in 2024 and is an Environmental Scientist in the company's water resources group. He is responsible for performing hydrogeologic investigations, water resource assessments, aquifer performance testing, support in hydrologic monitoring program development efforts, and water management district water use and Florida Department of Environmental Protection (FDEP) permitting. Additionally, Duane joined Johnson Engineering with one year of experience working as a Geophysical Logging Technician, where he worked on a variety of groundwater and Class I deep injection well projects including construction, rehabilitation, and abandonment.

**Relevant Experience**

- **Water Use Permitting through the South Florida Water Management District (SFWMD)** - Prepared water use permit applications for various commercial and residential clients (irrigation). Performed water resource assessments in various locations and aquifers throughout south Florida, regulatory review and SFWMD coordination, and stewardship of water use permit application through the Request for Addition Information (RAI) stage to completion.
- **City of Cape Coral Everest Water Reclamation Facility Injection Well Mechanical Integrity Test (MIT)** - Assisted with field oversight and documentation of field activities, compiling MIT report including 5-year data review and validation, field methods and procedures, and MIT results and conclusions.
- **North Lee County Water Treatment Plant Injection Well Mechanical Integrity Test (MIT)** - Assisted with field oversight and documentation of field activities, compiling MIT report including 5-year data review and validation, field methods and procedures, and MIT results and conclusions.
- **North Lee County Water Treatment Plant Injection Well IW-1 Operation Permit Renewal** - Prepared Injection Well IW-1 FDEP Operation Permit documentation including an operating and water quality data analysis, updated area of review, and the local hydrogeology and limits of USDW.
- **Southeast Advanced Water Reclamation Facility Construction and Testing Permit for Injection Wells SEDIW-1 and SEDIW-2** - Assisted in the preparation of an FDEP construction and testing permit application for proposed injection wells in southeast Fort Myers.
- **Geophysical Logging Technician** - Conducted Mechanical Integrity Tests on FDEP Class I Injection Wells across the state of Florida for multiple counties including but not limited to Lee, Collier, Charlotte, West Palm Beach, Brevard, St. Lucie, and Broward. Conducted acidization of production wells for Lee, Collier, and Marion County. Conducted video survey logs for Injection and production wells across the state of Florida.
- **North Lee County Water Treatment Plant IW-2 Operation Permit Application** - Prepared Injection Well IW-2 FDEP Operation Permit documentation including an operating and water quality data analysis, updated area of review, and the local hydrogeology and limits of USDW to move the well from the construction and testing phase to operation.

**LILY M. SILVA, G.I.T.**

Hydrogeologist



lms@johnsoneng.com  
239.770.3872

**Years Experience**

3 Years

**Education/Training**

B.S. Environmental Geology  
Minor in Climate Change  
(2023),  
Florida Gulf Coast University

ASTM E1527 Phase I  
Environmental Site Assessment  
for Commercial Real Estate

Studied DEP SOP's for Surface &  
Groundwater  
Sampling/Calibration & Verification  
of Field-Testing Meters

Proficient in ESRI ArcGIS PRO &  
Google Earth

**Licensing & Registration**

Geologist In Training  
License No. GIT240

Lily joined Johnson Engineering in 2023 and worked as a Water Resource Scientist for several months. She returned to Johnson Engineering in December 2024, working as a Hydrogeologist in the Water Resources group. In this position, she has performed hydrogeologic investigations, water resource assessments, Phase I Environmental Site Assessments, and water management district water use permit applications. Lily studied from FDEP on the Standard Operating Procedures (SOPs) for surface water and groundwater and received the ASTM E1527 Phase I Environmental Site Assessment for Commercial Real Estate certification. Lily's continued efforts include water quality sampling for the City of Sanibel NPDES Surface Water Monitoring, City of Bonita Springs Water Quality and Flow Monitoring, and Village of Estero Water Quality and Flow Monitoring, as well as numerous others in Southwest Florida.

**Relevant Experience**

- **Phase I Environmental Site Assessments (ESAs)** - Performed multiple Phase I Environmental Site Assessments throughout Lee County. Responsibilities include historical document inquiry, regulatory database reviews to identify recognized environmental conditions (RECs), report preparation, and performing site visits.
- **Water Use Permitting through the South Florida Water Management District (SFWMD)** - Prepared water use permit applications for various residential and commercial clients, including irrigation and public water supply permits. Performed water resource assessments in various locations and aquifers throughout South Florida, regulatory review and SFWMD coordination.
- **City of Sanibel NPDES Surface Water Sampling** - Monthly water quality samples are collected from twelve monitoring stations along Blind Pass and the Sanibel Slough in support of a National Pollutant Discharge Elimination System (NPDES) permit for the City of Sanibel. Samples are analyzed by a state certified laboratory for nutrients and other parameters that may be impacted by stormwater runoff. Additional water quality data is collected at each monitoring location using various field instruments. Water quality data are compared to nutrient thresholds and Total Maximum Daily Loads (TMDL) set for Sanibel Slough East and Sanibel Slough West. Data collected from sampling sites at the Tarpon Bay and Beach Rd weirs are included in the annual Lee County NPDES report.
- **City of Bonita Springs Water Quality and Flow Monitoring** - A comprehensive water quality monitoring program was developed and implemented to evaluate surface water discharge impacts to sensitive Water Body Identifications (WBIDs) such as Imperial River. Monthly water quality samples are collected by trained Johnson Engineering personnel in accordance with FDEP Standard Operating Procedures. The stormwater runoff water quality samples are collected from surface water sample sites during periods of flow. Monitoring data including field parameters and flow measurements are also collected at each sampling site using FDEP approved meters and instruments. The water quality samples are analyzed by a state certified laboratory for nutrients and other parameters that may be impacted by stormwater runoff. The concentration values are compared to applicable Class III State Water Quality Standards, Numeric Nutrient Criteria (NNC), and TMDL values. The water quality and flow data collected from the City of Bonita Springs sites, along with data from the nearby sites monitored by Lee County, are used to evaluate the quality and quantity of surface water flowing into, along, and out of the Imperial River.
- **Village of Estero Water Quality and Flow Monitoring** - Surface water samples are collected for the Village of Estero along Estero River and Halfway Creek each month by Johnson Engineering water quality. The samples are collected in conjunction with Estero River and Halfway Creek sampling conducted by Lee County Environmental Laboratory (LCEL) and analyzed for the same parameters for comparison. Discreet flow measurements are also recorded at specific sites along Estero River and Halfway Creek and tabulated with flow data from the United States Geological Society (USGS) and a continuous recording Doppler flowmeter installed as part of this project. Stage recorders installed along Halfway Creek and Estero River monitor changes in water levels. The stage recorders are downloaded regularly, and the hourly water level data are used to develop hydrographs. The water quality and flow monitored along Estero River and Halfway Creek

## Michael C. Alfieri, PG, PHg, CGWP

PRINCIPAL



Michael (Mike) Alfieri, PG, PHg, CGWP is a professional geologist licensed in 13 states, including Florida, and a nationally certified/registered hydrogeologist with almost 30 years of experience. Mr. Alfieri manages hydrogeological/water resource engineering teams in the evaluation, planning design, testing, permitting, and construction of wells for potable supply, deep injection, and managed aquifer recharge. He is one of four groundwater professionals in the State of Florida to be registered by the National Groundwater Association (NGWA) as a Certified Groundwater Professional (CGWP) and one of five professionals in the State of Florida to be registered as a Professional Hydrogeologist (PHg.) by the American Institute of Hydrology (AIH). He is past Chair of the Florida Board of Professional Geologists, a position he previously held along with Vice Chair of the Board, the past Chairman of ASTM Sub-Committee D18.21.03: Well Design, Maintenance & Construction, and is a member of the National Groundwater Association's Managed Aquifer Recharge work group.

Over his professional career, Mr. Alfieri managed and completed numerous large and small-scale geologic, hydrogeologic, and karst science project investigations across the U.S. He has also provided third-party review and professional geologic opinions regarding a wide breadth of geologic projects completed by others. Mr. Alfieri is a published lead and/or co-author to numerous peer-reviewed journal articles, conference proceedings such as *NCKRI Field Guide 3: Florida's Karst Landscapes and Roles of Karst in Flood Control and Water Supply Management in West-Central Florida*, and an academic textbook, *The Karst Systems of Florida: Understanding Karst in a Geologically Young Terrain*, which is used across the Florida university system.

Mr. Alfieri is an established subject matter expert recognized in the U.S. Federal Court and state/county court systems, as well as the Florida Department of Administrative Hearings, being retained over three hundred times by legal counsel for their clients. He has testified as a fact and as an expert witness. Mr. Alfieri has provided professional expert opinions regarding geology and hydrogeology; karst; groundwater quality and monitoring; contaminate fate and transport of organic and non-organic chemicals; groundwater flow and contaminant fate and transport modeling; well design, maintenance, and construction; reuse/reclaimed water; and underground injection control (UIC) permitting.

### Project Experience

#### **Mega Industrial Complex Groundwater Impact Modeling • Columbia County • Columbia County, FL • Project Manager/Senior Managing Hydrogeologist**

Assisted the County in obtaining a water use permit for the proposed Columbia County Mega Industrial Complex. Evaluated the groundwater use and potential impacts to existing legal uses and environmental receptors using the North Florida-Southeast Georgia Groundwater Flow Model (NEFSG), a MODFLOW based model. The project evaluation consisted of simulating groundwater production wells and an onsite injection well. Based on discussions with the District, two regulatory hurdles need to be overcome: (1) no firm District regulatory guidelines regarding offset credits for requested allocation; (2) no District regulatory language regarding the District requested "ten percent benefit to the upper Floridan aquifer, similar to the Most Impacted Area in the SWFWMD." Impacts to the springs within the District due to permitted withdrawals are well documented. As such, the District believes allocations without offsets will create some degree of impact at minimum flow and level locations. In the simulated surficial aquifer, groundwater modeling with the proposed allocation and offset allocation indicates that the maximum contribution to the regional cumulative drawdown is approximately 0.0405 feet (less than 0.0495 feet) and is considered negligible. Based on the simulated drawdown, there would be no impacts to existing legal uses within the surficial aquifer or environmental receptors connected to the surficial aquifer (e.g., wetlands) and no impacts to existing legal uses within the upper Floridan aquifer or environmental receptors that are connected to the upper Floridan aquifer.

#### **Groundwater Quality Source Evaluation • Rainbow Springs Group • Marion County, FL Professional Geologist of Record**

Traditional approaches to springs protection and restoration have focused on areas proximal to the spring or spring group. While many projects have evaluated the quantity and quality of water discharging from specific springs or spring groups, these efforts have been focused on delineation of the springsheds and identification of spring protection areas based on proximity to the spring or pre-existing knowledge from dye traces or other site-specific evidence. Rather than



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SOLUTIONS, INC.**  
*An Employee Owned Company*



**Gregory Campbell**  
**Vice President**

**Licenses:** Florida Water Well Contractor, No. 2613  
Florida Monitor Well License, Lee County  
Florida Driller Certification, Collier County

**Professional Affiliations:** Florida Groundwater Association  
National Groundwater Association

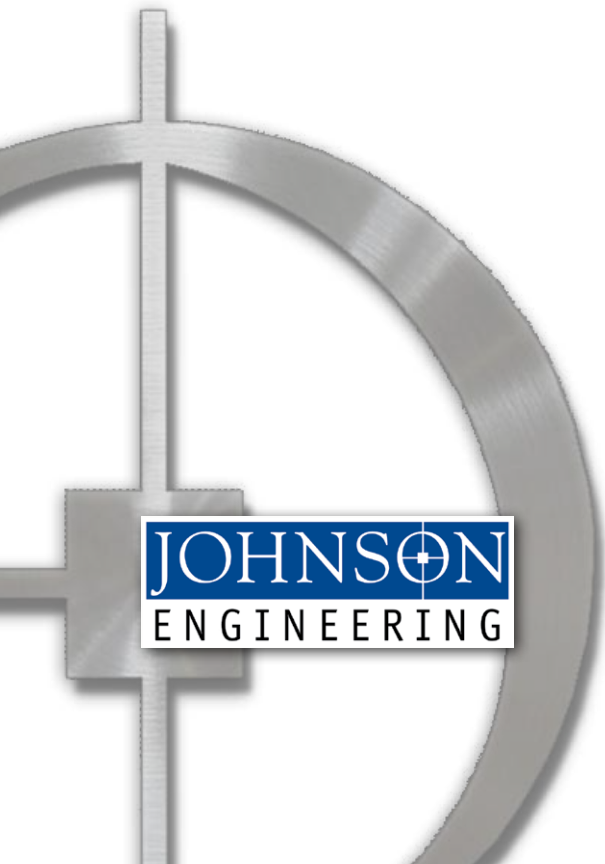
**Years Experience:** 24 years

**Experience:** Mr. Campbell is responsible for assuring compliance with State and Local Regulations and submitting completion reports to the appropriate agency. He is also a drill rig operator on select projects.

- **Town & Country Cleaners, Gainesville, FL** – Responsible for sonic soil boring & monitor well installation
- **Sunshine Food Mart, Gainesville, FL** – Responsible for Hollow Stem Auger Rig AS/VEW Well Installation
- **University of Florida, Gainesville, FL** – Responsible for Abandonment/Vault Removal
- **Celebrity Cleaners, Gainesville, FL** – Responsible for DPT Soil Sampling
- **FL Welcome Station #3, Gainesville, FL** – Monitor Well Install & Abandonment

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### III. Previous Experience of Proposed Team



## CHARLOTTE COUNTY UTILITIES

### East and West Spring Lakes Phase I and Phase II QAPPs



In 2015, Johnson Engineering developed Quality Assurance Project Plans (QAPP) for Phase I and Phase II of the Charlotte County Utilities Revitalize Impaired Waters of Charlotte Harbor East and West Springs Lakes project. As a requirement of the Grant Work Plans for the Florida Department of Environmental (FDEP) Total Maximum Daily Load (TMDL) Water Quality projects (S0715 & S0818) the water quality monitoring plans were reviewed and approved by FDEP.

Four sets of pre-construction samples were taken from five stormwater outfalls as part of this septic tank removal and swale restoration project. Post construction samples will be taken from those same locations following completion of the project for comparison. Monitoring equipment, including automated samplers, rain gauges, solar panels, and cellular modems with internet connections were installed to facilitate data collection and remote communication.

In addition to developing and implementing the QAPP for this project, Johnson Engineering assisted with other project tasks, including attending public workshops as part of the Educational Program and providing the Draft and Final project reports to FDEP.

## LAKE JUNE IN WINTER Watershed Protection Study



The purpose of this project was to perform a watershed water quality assessment to identify sources of pollutant loading and prioritize watershed impacts to Lake June In Winter. Johnson Engineering developed a comprehensive monitoring plan and coordinated with AIM Engineering, SWFWMD, and Highlands County to coordinate water quality sampling at inflows to the lake, within the lake itself, and at outfalls from the lake. Automated equipment including refrigerated samplers, flowmeters and water level data collectors were installed at inflows and outfalls to monitor and record flow volumes needed to calculate pollutant loadings. Samples were collected from thirteen sampling locations as part of four sampling events conducted over the 2018 - 2019 monitoring period. The samples were analyzed for total hardness, chlorophyll-a, and nutrients including nitrogen and phosphorus. The data were compiled into quarterly and final reports of the monitoring results, which were used to determine Best Management Practices (BMP) for lake restoration.



## TOWN & COUNTY UTILITIES

### FDEP Groundwater Monitoring Plan

Johnson Engineering prepared a groundwater monitoring plan for the new Babcock Ranch Community WRF and installed water table aquifer monitoring wells in fulfillment of FDEP permit conditions. Using the first phase of development as a model groundwater monitoring site, we evaluated the hydrogeology of the water table aquifer; performed a site review, sited six monitoring wells, and prepared a groundwater monitoring plan and engineering report, including a mounding analysis, an evaluation of water quality due to application of reclaimed water, and a water balance for the system. Monitoring well installation included well design, coordination with the water well contractor; post-construction background sampling for primary and secondary water quality parameters, and preparation of a completion report for submittal to the FDEP. The FDEP wastewater permit was recently modified to include the entire 17,000-acre community as an approved reclaimed water application area using Phase I as the model monitoring site.



The screenshot displays the ArcView 3.2a software interface. The main map window shows a satellite image of a coastal region with a yellow boundary and green points. The map is titled 'Spatial\_Landuse\_Split'. The legend on the left shows 'Landuse\_Split' with categories: 'Land', 'Water', 'Urban', and 'Forest'. The 'Urban' category is highlighted in red. An inset window shows a 3D view of a building.

7

### COLLIER COUNTY Northeast Wastewater Service Area (NESA) Wastewater Treatment Plant

Collier County is in the process of building a WWTP and WTP to serve the NESA with a total capacity of 1.5 MGD. Wastewater will be treated to public access reuse water standards and used to irrigate the plant site and adjacent park initially. As part of the greenfield design-build project, Johnson Engineering initially evaluated the feasibility of using rapid infiltration basins (RIBs) for effluent disposal, and then prepared a FDEP groundwater monitoring plan as part of the wastewater permit application. The groundwater monitoring plan included review of hydrogeologic data, water quality data, and other wells within the area of review; siting of background, compliance and intermediate monitoring wells; and an assessment of the system to provide the required wet weather storage.

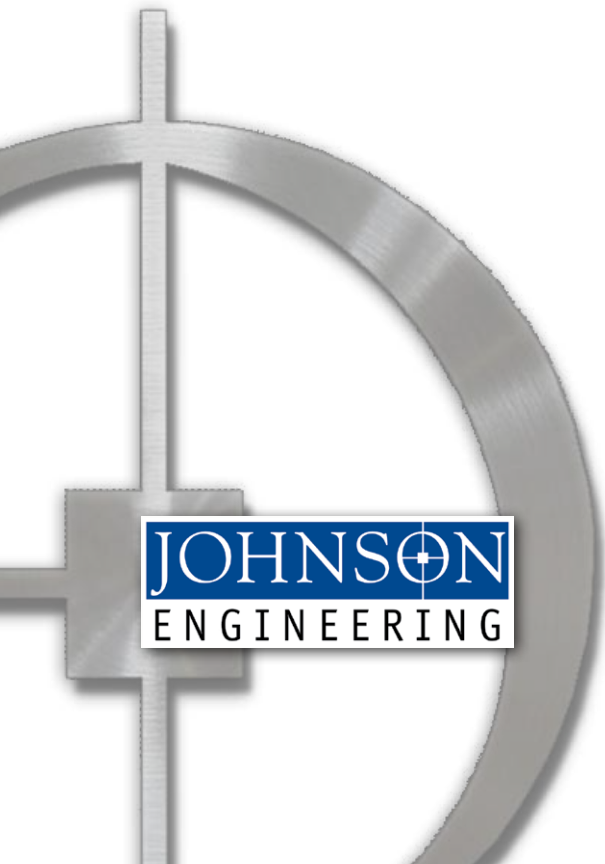


### LEE COUNTY Utilities Operations Center

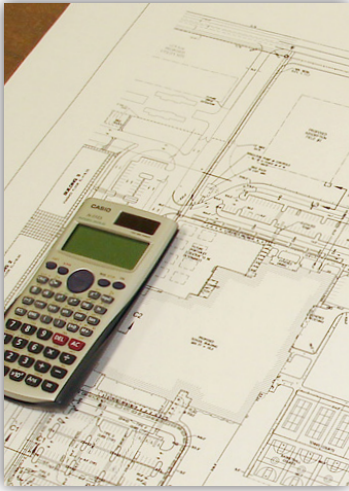
Johnson Engineering is assisting Lee County with design and permitting of a new Utilities Operations Center located on the site of an unpermitted landfill. Services includes using ground penetrating radar to detect significant changes in soil density that could possibly represent the depths of the trash layer under the site, digging test pits, collecting soil boring, installing monitoring wells (groundwater and vadose zone), and developing a groundwater monitoring plan for submittal to the FDEP.



The plan entails soil and groundwater sampling for used oil/unknown Product Group plus the priority pollutant metals. Data collected is submitted in a monitoring report sealed by a professional engineer with experience in the assessment and remediation of impacted media. A licensed engineer or geologist reviews laboratory data and any state or municipal required submittal forms to provide comments and recommendations when necessary. In the event samples from a monitor well exceed a maximum contaminant level for a given analyte, a groundwater abatement plan will be prepared. The plan, formulated with input from stakeholders and regulatory agencies, may include installation and sampling of additional monitor wells to map the area of concern, recommendations for equipment and materials or techniques to address the contamination, and a cost estimate to implement the abatement plan.



## A. SCHEDULE



### 1. What techniques are planned to assure that schedule will be met?

Maintaining a schedule relies on collaboration, planning, and persistence. Collaboration and planning at the front end with the County and WMU will assist with defining the goals and how to effectively execute the monitoring plan with the project team's resources. Through planning, the project team will visualize their way through the project from pre-construction, during construction, and post-construction monitoring to identify potential issues and develop strategies to mitigate and maintain project schedule for each phase. Persistence in achieving the goals within each phase of the project will ensure that the project will proceed without issues or delay. **Alec's approach to project management will include routine meetings, correspondence, and meeting notes to be distributed to the project team. This will ensure the project team is informed and aware of progress, status, and potential issues.**

### 2. Who will be responsible to assure that schedule will be met?

Every Johnson Engineering team member is responsible for maintaining the schedule. This means accountability on deliverables for reports, laboratory analyses, execution of field work, etc. It needs to be constantly followed. As the Project Manager, it is Alec's job to know what comes next and anticipate where delays may occur and to set plans in motion to mitigate those delays. Alec will ask the questions and make the play calls necessary to keep the team moving forward, making sure that deadlines are being met. Furthermore, our Team's Environmental Scientists are well versed in water quality monitoring and will oversee the day-to-day operations. Having an established schedule is one thing but being able to maintain it is another.

## B. COST



### 1. What control techniques are planned?

Cost control techniques utilized in project management by the Johnson Engineering team include:

#### Scope

The scope of services defines the County's objectives and our services. This becomes the binding document upon which budget, schedule and quality are based. We will be monitoring the scope, which in turn means we will be monitoring costs. This task will have an allocated budget but will be administered in concert with the County as the specific needs are identified later in the project.

#### Communication with County and WMU

Alec will interact with the County project manager at appropriate intervals to ensure costs and schedule are met. With monthly invoices, progress reports, project cost estimates and progress review meetings, the project team will be always informed. We will be in constant communication, and it helps to have our offices across from the County Administration Building.

#### Schedule

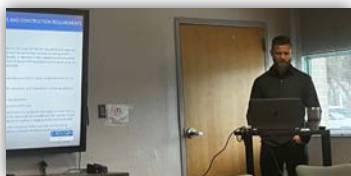
The technique of controlling costs through the schedule is an important skill of the project manager. Time or cost constraints will not be allowed to compromise quality. Realistic schedules will allow Alec to manage resources and team members to address the project appropriately.

#### Resource Management

Alec will assign team members and resources to fit the scope, schedule and costs of the project. We pride ourselves on employees who work efficiently and effectively to deliver a high-quality project on time and within budget. At no time will quality be compromised due to costs; we have proven this technique on other County projects in the past.



In addition, Johnson Engineering had the privilege of working with the County in the preliminary phase of the Cape Haze Septic to Sewer project where the project details and scope were evaluated. Using this experience, our team polished its approach and teamed with a second Florida-licensed water well contractor, Preferred Drilling Solutions, Inc. (PDS). The Johnson Engineering team for this project includes two Florida-licensed water well contractors with over 20 years of experience drilling wells in the state of Florida and when combined with Preferred Drilling Solutions, Inc. (PDS), our project team will have the tools and the experience to most cost effectively implement a monitoring plan that is comprehensive. This will be crucial for applying a monitoring plan to different locations requiring alternative well construction methods and specifications to meet the site-specific hydrogeological conditions.



## 2. Demonstrate ability to meet project cost control

From a fee standpoint our team has managed our budgets quite well on past County projects. We realize that "Change Order" is a four-letter word in Charlotte County. We are all in the same position personally, we never have as much as we would like but we find a way to work with what we have. It starts with up front collaboration and planning to understand the intricacies of the project, if we have the same expectations, we can all appropriate our time and efforts accordingly.

## 3. Who will be responsible for cost control?

Like schedule control, every team member is responsible for cost control. It needs to be a constant concern, something in the back of everyone's mind. Alec will work with his team and hold regular progress meetings to ensure **cost and schedule are held paramount throughout the duration of the project**. Our Water Resources team routinely executes water resource assessments, permit compliance, water quality sampling, well construction design, permitting, and construction oversight. Our Water Resources Sub-Group, Water Use and Water Quality - includes six full-time staff members including water quality scientists, environmental scientists, water resource technicians, and hydrogeologists. All of which are cross trained in water quality sampling, well construction, and water use permit compliance and permitting. Our staff is certified in the Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOPs) training for surface water and groundwater sampling.

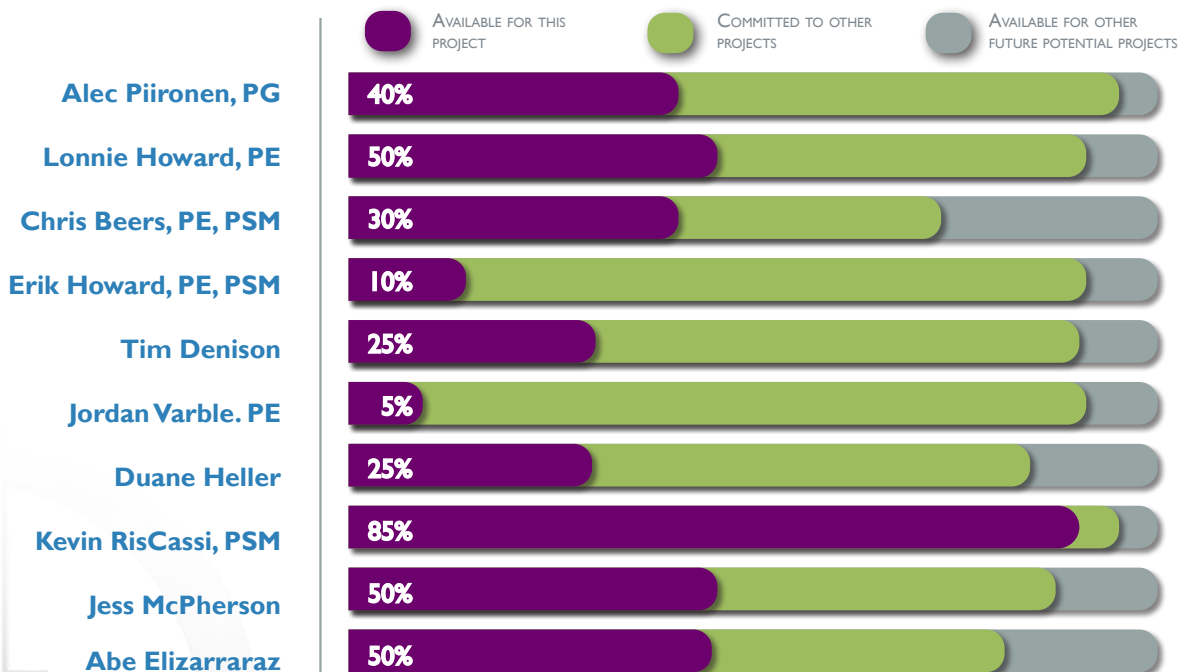


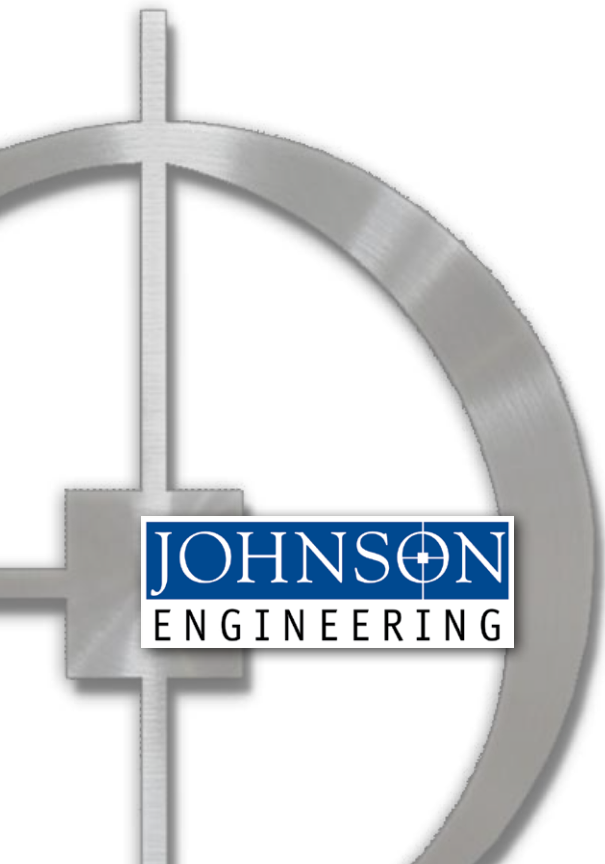
We currently have water quality monitoring projects in Collier County and Lee County as well as various routine water use permitting and compliance projects that can require up to four staff members per sampling event which occur monthly and/or quarterly depending on the project. This workload is scheduled routinely based on permit deadlines and/or regulatory sampling schedules. Therefore, inclusion of this project to our current project schedule would not be an issue. Looking forward to the long-term duration of this project and future scheduled workload, our Team will have no problem staffing field work, report preparation, and/or data validation. We consider current projects as beneficial for our Team as it keeps us polished in our water quality sampling procedures and up to date with current with regulatory requirements.

## C. RECENT, CURRENT & PROJECTED WORKLOAD

## AVAILABILITY OF TEAM

All key team members are committed to providing availability and are prepared to dedicate the necessary time and efforts to their respective tasks. With more than 130 staff on our team in Southwest Florida and a wide range of services provided, we can offer our clients the comprehensive experience of a larger firm while still maintaining the flexibility and attention to client service of a smaller firm. A summary of our team's projected workload and time and resource availability for this project is provided below.





**A. DESCRIBE PROPOSED DESIGN PHILOSOPHY, INCLUDING HOW THE APPROACH ADDRESSES PROJECT GOALS.**

**B. DESCRIBE THE METHODS & TOOLS PROPOSED FOR GROUNDWATER & SURFACE WATER MONITORING, SAMPLING, & SOURCE IDENTIFICATION, & EXPLAIN WHY THEY ARE APPROPRIATE FOR THIS PROJECT.**

**C. DESCRIBE METHODS FOR ANALYZING & INTERPRETING MONITORING DATA TO EVALUATE CONTAMINANTS LEVELS & TRENDS.**

**D. DESCRIBE YOUR APPROACH TO STAKEHOLDER COMMUNICATION RELATED TO TECHNICAL FINDINGS & MONITORING RESULTS.**

**E. DESCRIBE HOW YOUR APPROACH INCLUDES ADAPTIVE STRATEGIES FOR EVOLVING CONDITIONS OR NEW DATA INSIGHTS THROUGHOUT THE PROJECT LIFECYCLE.**

**F. IDENTIFY POTENTIAL CHALLENGES THAT MAY ARISE**

Johnson Engineering is prepared to work with Charlotte County, Western Michigan University, and other key stakeholders to achieve the end goal – develop and execute a defensible water quality monitoring plan to gather data in support of Charlotte County's septic to sewer infrastructure projects from beginning to end. Therefore, our team has evaluated the project's goal through various levels starting with the priority areas outlined in the Charlotte County Sewer Master Plan, One Charlotte, One Water Plan, and the FDEP designated Impaired Waters, TMDLs, and Basin Management Action Plans.

Our team's approach to this project will be to understand the existing septic systems within the project areas beginning with density, age, and use of existing systems, local hydrogeological conditions and physical features that may influence the hydrogeological cycle and water budget. We will use this information to identify areas of concern and determine representative groundwater and surface water sample locations and/or appropriate construction of monitor wells and selection of sampling equipment to ensure representative sampling. Our team has extensive experience utilizing various groundwater and surface water sampling equipment/methodologies and have learned the key to an effective monitoring plan is to keep it simple and use the appropriate equipment for the job based on site and project specific details. The equipment needs to provide longevity, be cost effective for deployment, maintenance, and long-term use, and collect defensible data. When choosing analytes, Johnson Engineering considers FDEP preferred methodologies and industry standards. For septic systems, advanced analyses including anthropogenic indicators can be employed and Johnson Engineering has included a laboratory on our team who can facilitate these analyses.

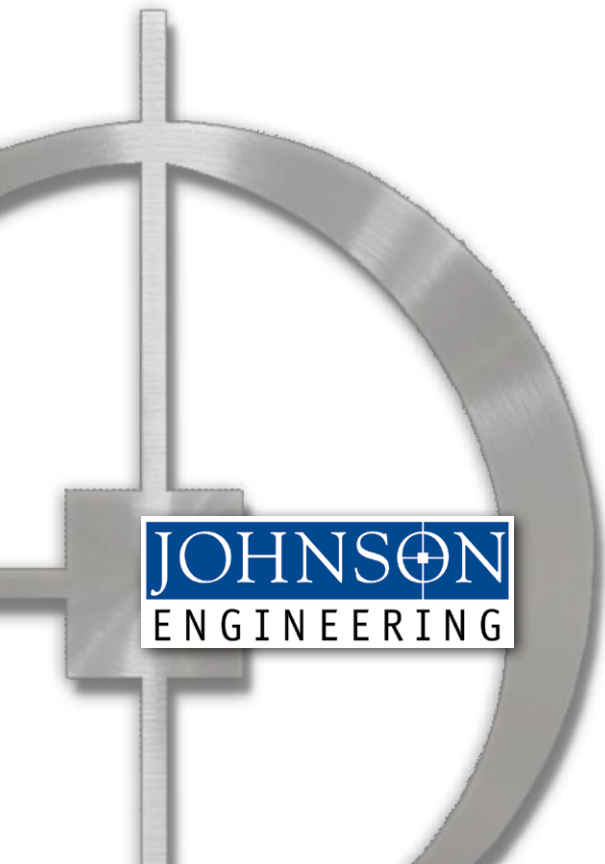
Johnson Engineering understands the delicacy of this project and the importance of stakeholder communication. The key aspect of stakeholder communication is the ability to translate scientific information in a manner that is effective and receivable for public awareness. Long term monitoring projects evolve overtime, and our team is experienced with projects of this nature and understand the importance of evolving with applicable regulations, project goals, and ensuring the monitoring plan is sufficient throughout the life of the project. This is all possible through communication with the County, WMU, and key stakeholders.

Our team anticipates the greatest challenges of this project to be the key stakeholder (i.e., communities) communication and engagement. From field work to meetings, Johnson Engineering is prepared to work with the County, WMU, and the communities to deliver clear and concise information without complicating aspects of the project. Consistent and clear communication with the communities via memos, summary reports, and notices of "work in the neighborhood" will assist with mitigating this challenge.



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## VI. Examples of Recently Accomplished Similar Projects



## COLLIER COUNTY

### Freedom Park

In 2008, Johnson Engineering designed and implemented the water quality monitoring plan for Freedom Park to satisfy permit requirements and to quantify pollutant load removal. Water quality samples are collected by trained Johnson Engineering personnel in accordance with Florida Department of Environmental Protection (FDEP) Standard Operating Procedures. Monthly grab samples are collected from two inflow locations and one outflow location when flow is discharging from Freedom Park. To help control cost, water level data from the outfall structure is monitored remotely and the project manager is notified by email each month when discharge begins occurring. That eliminates unnecessary trips to the site. Over time, additional remote sensors have been installed to measure salinity at key locations. The salinity data is easily converted to chloride levels that are reported to South Florida Water Management District (SFWMD). The objective of the water quality monitoring is to determine the efficiency of pollutant removal from stormwater entering the park from two sub-basins of the Gordon River watershed. The chain of constructed and

natural wetlands that make up the park provide treatment of the water before it enters the Gordon River, which has been assigned a TMDL for total nitrogen. Monitoring instruments installed on-site are used to collect and record additional data including conductivity, water levels, and flow. The samples are analyzed by a State certified laboratory for nutrients and other parameters that may be impacted by stormwater runoff. The concentration values are compared to applicable water quality standards and typical values reported for Florida streams. Concentration removal efficiencies for the respective monitoring periods are calculated for each parameter sampled. Load removal efficiencies are also calculated by using the concentration values along with the measured inflow and outflow volumes.



## LEE COUNTY

### Green Meadows and Corkscrew Wellfields Ecological Monitoring

Johnson Engineering's environmental group has been conducting the ecological monitoring required by the SFWMD's water use permit for the Green Meadows Wellfield since 1991 and for the Corkscrew Wellfield since 2008. The goal of the monitoring program is to quantify and report on any significant changes that have occurred within the monitored wetlands as a result of the approved permitted activities. The ecological monitoring program includes quantitative monitoring of vegetation, aquatic faunal sampling, surface and ground water levels, rainfall, wellfield pumpage and qualitative observations of wildlife. The monitoring program includes vegetation monitoring at 14 permanently established transects. A prevalence index for each transect is calculated in accordance with federal guidelines and is used for comparisons and trends. This work includes hydrologic data analysis of 14 shallow piezometers and 13 staff gages. The work also includes aquatic faunal monitoring for macroinvertebrates, aquatic stages of amphibians, larval amphibians, and freshwater fish at seven locations. Univariate statistics are calculated and historically analyzed for trends and changes.



### CITY OF BONITA SPRINGS Water Quality and Flow Monitoring

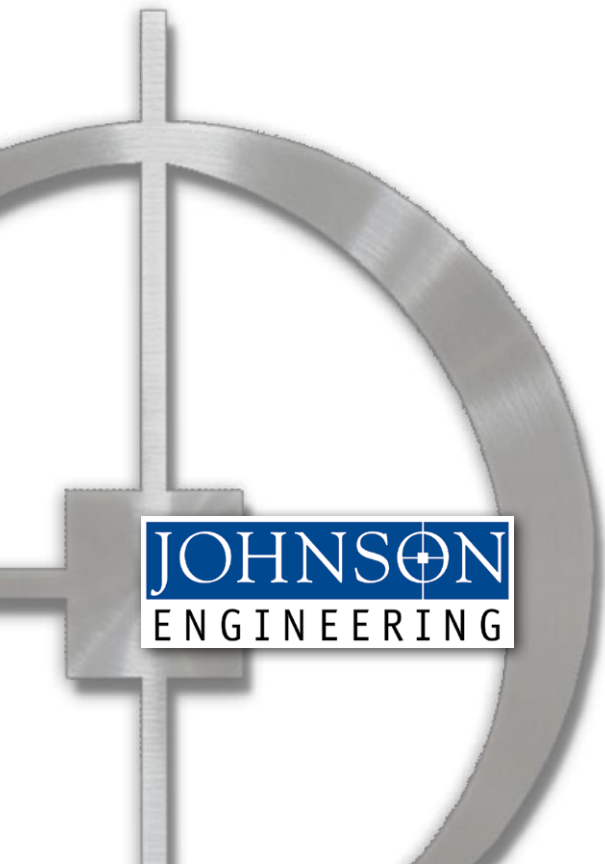
In 2006, Johnson Engineering designed and implemented a water quality monitoring plan for the City of Bonita Springs at the request of the City Manager. The original intent was to determine what pollutants generated from within the City may be affecting surface water quality along the major tributaries (Spring Lake and Imperial River). Various land use types were selected as monitoring locations, along with points along tributaries flowing into and out of the City for comparison. Presence/absence of water, depth, flow/no-flow, flow direction, and other site conditions were recorded during each site visit. Parameters analyzed included metals used in industrial applications, along with copper used to control algal blooms in lakes. As verified impairments were identified by the Florida Department of Environmental Protection (FDEP) for Spring Creek and Imperial River, new monitoring locations were added to help determine stormwater runoff pollutant sources. When a Total Maximum Daily Load (TMDL) was established for the fresh segment of Imperial River, even more sampling locations were added at key points along the river, in consideration of locations already sampled each month by Lee County. More recently, data collected from some of those sites has served as background and pre-construction data for Best Management Practices (BMP) constructed by the City to reduce nutrient load concentrations as part of the Imperial River Basin Management Action Plan (BMAP).

Grab samples are collected monthly by trained Johnson Engineering personnel in accordance with FDEP Standard Operating Procedures (SOP). The stormwater runoff water quality samples are collected from surface water sample sites during periods of flow. Additional monitoring data including field parameters and flow measurements are also collected at each sampling site using FDEP approved meters and instruments. The water quality samples are analyzed by a state certified laboratory for nutrients and other parameters that may be impacted by stormwater runoff. The concentration values are compared to applicable Class III State Water Quality Standards, numeric nutrient criteria, and TMDL values. The water quality and flow data collected from the City of Bonita Springs sites, along with data from the nearby sites monitored by Lee County, are used to evaluate the quality and quantity of surface water flowing into, along, and out of the Imperial River.



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## VII. Experience & Capabilities



## COST OPTIMIZATION



Over the last few years, we here in Charlotte County have seen construction prices increase dramatically on projects, as well as across South Florida. Consulting fees have also increased in the past few years, but not as drastically as construction costs. However, the demand for water well contractors in the municipal market has outpaced supply more than any other construction discipline. With major projects in construction and the upturn in the economy, prices have had an increasing trend; so, this cost component is an important consideration for the County in scheduling and budgeting. Our team is well versed in costs for Charlotte County and be ensured our team can manage our consulting fees and our subconsultants' fees. We have long established relationships with drillers and have included them on our team to facilitate. Our long-term drilling relationships will help to save Charlotte County money and keep the overall project within budget as we get preferential pricing and scheduling. This was proven in your Rotonda ASR test well drilling project and your 2011 Babcock Ranch Separate Water Use Permit project which both included test well drilling under the Johnson Engineering, Inc contract and professional oversight.

## PROJECT SCHEDULE AND WORKFLOW MANAGEMENT

Our team prioritizes maintaining an open line of communication throughout the project whether internally or with County and WMU. Alec as well as his team members will be available at any time to answer questions and provide project updates. Alec will hold routine internal progress meetings with staff and each staff member will be held accountable for their own assignments within the scope of work. This enables key team members to provide progress updates to the project team for their responsibilities and assess how their task is impacting and aligning with other tasks for the project. This keeps the project progressing with key team members informed.

## ENVIRONMENTAL ASSESSMENT

Our team has extensive experience completing environmental due diligence projects in Charlotte, Lee, and Collier County. These projects require an understanding of how land use, business operations, and/or anthropogenic factors may influence environmental conditions at a given property. Additionally, understanding chemical behavior and hydrogeological conditions are essential for qualifying potential environmental conditions. In some instances, environmental conditions identified require investigation into shallow soils and groundwater to determine the extent of impacts, if present. This experience will be applied directly to this project in that the evaluation of the septic systems and potential impacts will assist in designing an investigation tailored to the project.

## SPECIALIZED WATER QUALITY MONITORING EXPERIENCE

Our team regularly supports client for water quality monitoring pursuant to FDEP, water management district and/or ASTM standard requirements within south Florida. Regardless of project requirements, our team follows stringent internal SOPs for sample collection, sample handling, data validation, and reporting. Our Team's specialized water quality monitoring experience includes deep injection well compliance, consumptive water use permit compliance, wetland monitoring, water quality monitoring during construction, potable water well sampling, hydrogeological studies, and due diligence investigations.

## DATA MODELING AND ANALYSIS FOR WATER QUALITY

The team members selected regularly produce groundwater and surface water modeling for water use permitting and environmental resource permitting. Notably, Johnson Engineering has utilized the GIS-based ArcNLET modeling to quantify the nutrient loading for sept to sewer projects within Lee County. Our Team takes pride in critically reviewing/applying models to ensure they accurately reflect the real-world hydrogeological conditions. Therefore, we understand what it takes to make a representative model that will accurately reflect site conditions.

## REGULATORY COMPLIANCE AND INTEGRATED WATER QUALITY

Water use permit compliance for the water management districts is routine for our team. This requires the execution of monitoring plans and understanding aquifer-specific groundwater quality, reclaimed water quality, and surface water quality to evaluate the potential for impacts. Our Team has developed blending calculations to predict changes in water quality in support of water use permitting. Additionally, we assist various clients with reporting and permitting deep injection well systems which require an understanding of different aquifer systems and waste streams to validate data trends and/or identify potential issues.

## STAKEHOLDER COORDINATION AND ENGAGEMENT



Past work in this matter has shown that significant public interest in this project is expected. There are active, interested citizen groups in the area who could play an important role in the project's ultimate success and acceptance of results. We can work with the County communications department on a concise message to convey the project's benefits and intent to the various stakeholders. Selecting a local team is essential for a project like this where the team is part of the community. Our local knowledge and experience, particularly our existing relationships with key stakeholders, are significant advantages we provide for this project.

Our team is dedicated to make your project a success. The first step we must take is to meet with CCUD & the other County stakeholders to collaborate on a project schedule. This collaboration should occur during the scope/fee negotiations between CCUD and Johnson Engineering, if ranked number 1. During this meeting we will discuss the stakeholder's expectations, goals, budgets, constraints and any other factors or information our team needs to make this project successful. Particularly important is the expectation and timeframe of the project.

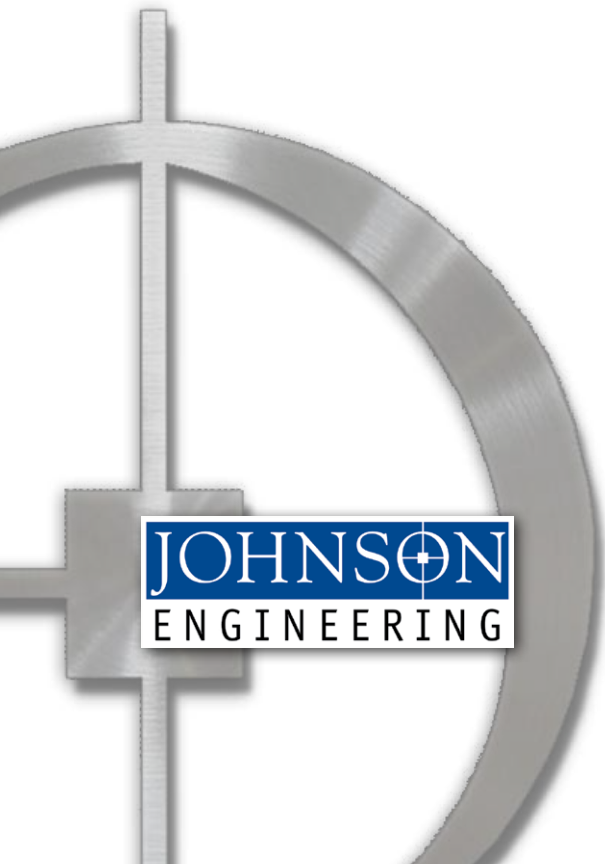
Implementing a public outreach program, even if it is just periodic update meetings to the BOCC, is a critical success factor. This will allow the public to see documents and presentations ahead of time and provide any comments directly to the BOCC or ahead of time or during a meeting. Our BOCC is very engaged and interested in the results of this study as it will help them in their decisions on future projects and help them to champion clean water for our waterways.

We are also accustomed to public outreach meetings as well. We prefer an informal, multi table/booth format where folks can walk from station to station with a particular subject matter expert. This methodology helps curb the mob mentality and keep the atmosphere in a neutral light.

## TECHNICAL REPORTING AND PRESENTATIONS

Technical reporting and presentations must be effective in conveying information in a concise and understandable manner while still being detailed enough for outside peer review. Our team is made up of professionals along with support staff from all walks of life. We routinely have laypersons review deliverables and presentations to ensure information is presented in an appropriate manner for the particular project. The same holds true for presentations where we prepare with an audience of our staff and our client's key staff so that messaging is appropriate and successful. As consultants, with a focus on public sector clients, technical report writing and presentations are what we do day in and day out. We have a team members that assist in this endeavor. As you can see from this proposal, we strive for quality, professional, and completeness in the delivery of information, whether it be for a proposal, a professional association presentation, or a technical report.

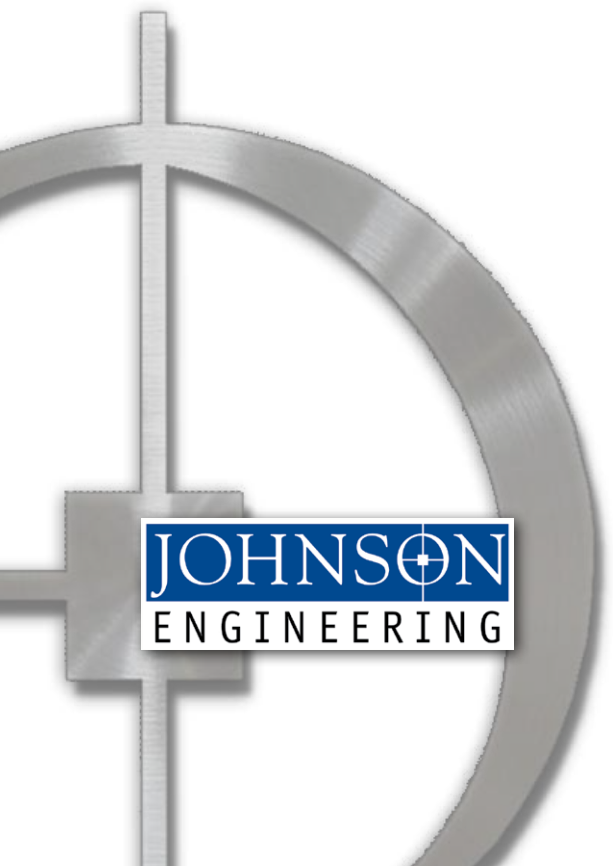






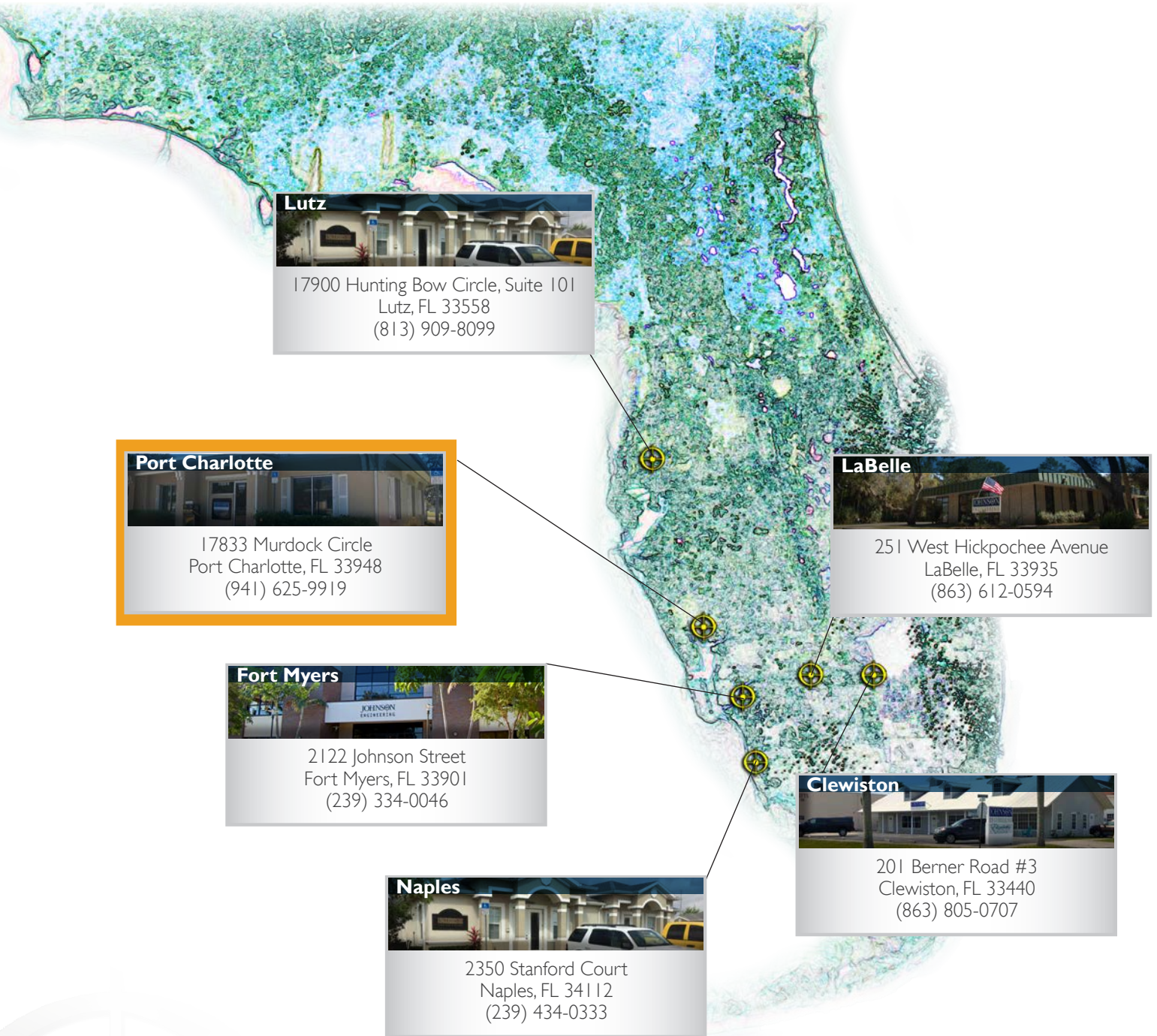
Within the last 24 months, Johnson Engineering has previously been awarded between the range of **\$500,000 +** by Charlotte County.

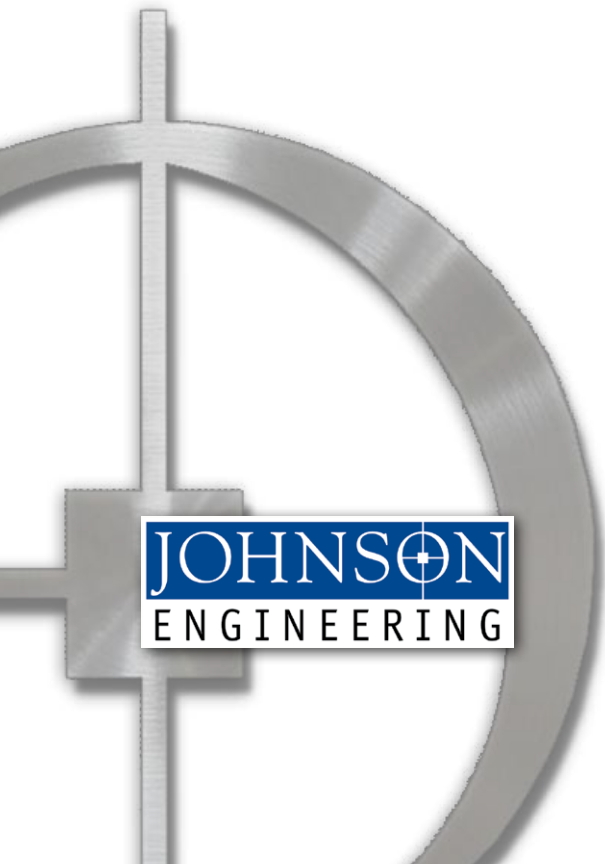




## OFFICE LOCATIONS

Johnson Engineering has six offices throughout Florida. We've had an established office in Charlotte County for the last 33 years.





## CIRCUMSTANCES & OUTCOME

We would like to state, as a result of the litigation listed below; Johnson Engineering has not had any judgments rendered against us.

### Active - Pending Successful Settlement

#### → **Mary Ann Eisenreich v. Town of Fort Myers Beach et al (2023)**

*Case No. 2023-CA-002323*

In February 2021, Mary Eisenreich crashed her bicycle in a construction zone of Estero Boulevard. She neglected to use common sense as she intentionally drove her bicycle across uneven terrain. Johnson Engineering did not design the portion of Estero Boulevard where Eisenreich crashed, nor did they have any responsibility over the construction thereof. Johnson Engineering will actively defend itself against this frivolous claim.

#### → **Carmel Koenig v. Lee County Department of Transportation et al (2023)**

*Case No. 2023-CA-005032*

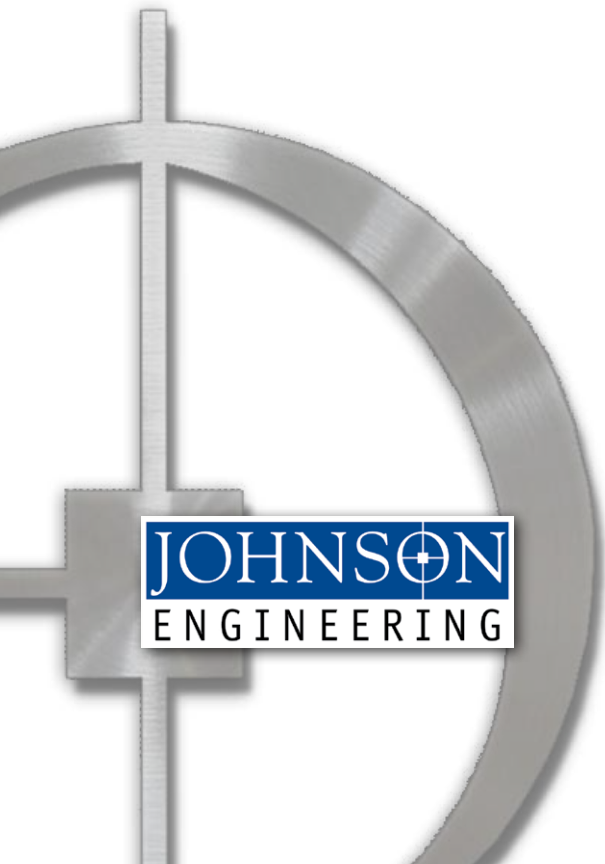
In October 2022, Carmel Koenig was rearended in a construction zone of Corkscrew Road. Johnson Engineering did not design the maintenance of traffic for Corkscrew Road, nor did they have any responsibility for the construction thereof. Johnson Engineering will actively defend itself against this frivolous claim.

### Concluded - Successful Settlement

#### → **Celestina (2020) South Gulf Cove Phase 3 Sidewalks**

*Case Number: 20-CA-004366 - Circuit Court of 20th Judicial Circuit in and for Lee County.*

An individual fell off her bicycle on a Charlotte County sidewalk and alleges that the sidewalk was not properly designed. The sidewalk was not designed by Johnson Engineering. This case was settled.





FLORIDA DEPARTMENT of MANAGEMENT SERVICES

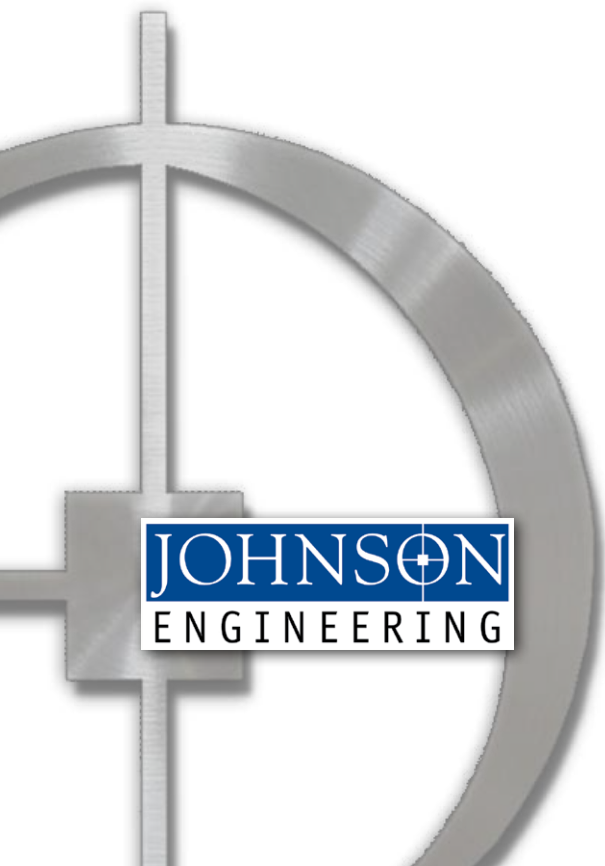
**office of supplier**  
**DIVERSITY**  
We serve those who serve Florida

Johnson Engineering is not a certified minority business. However, we take great pride in being an equal opportunity employer. Our goal is to establish a team in the best interest of our clients, while maintaining the standard of quality our firm and clients demand.

Once selected, we will work closely with Charlotte County in identifying other potential minority teaming opportunities.

#### **Equal Opportunity/Affirmative Action Employer**

Johnson Engineering is an Equal Employment Opportunity and Affirmative Action Employer and seeks to recruit qualified women, qualified minorities, qualified individuals with disabilities and qualified protected veterans. It is the policy of Johnson Engineering not to discriminate against any employee or applicant for employment based on race, gender, age, disability or national origin or because he or she is a qualified individual with a disability, a disabled veteran, a newly separated veteran, a campaign veteran or an armed forces service medal veteran.



## PROFESSIONAL LICENSES

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

License No.: **LB642**  
Expiration Date: February 28, 2027

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

**JOHNSON ENGINEERING, LLC**  
2122 JOHNSON ST  
FORT MYERS, FL 33901-3408

WILTON SIMPSON  
COMMISSIONER OF AGRICULTURE

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

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

License No.: **LS6664**  
Expiration Date: February 28, 2027

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

**CHRISTOPHER D BEERS**  
17833 MURDOCK CIR  
FORT CHARLOTTE, FL 33948-4000

WILTON SIMPSON  
COMMISSIONER OF AGRICULTURE

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

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

License No.: **LS6959**  
Expiration Date: February 28, 2027

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

**ERIK LEE HOWARD**  
PO BOX 284  
FORT OGDEN, FL 34267-0284

WILTON SIMPSON  
COMMISSIONER OF AGRICULTURE

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

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

License No.: **LS6433**  
Expiration Date: February 28, 2027

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

**KEVIN M RISCASSI**  
2122 JOHNSON ST  
FORT MYERS, FL 33901-3408

WILTON SIMPSON  
COMMISSIONER OF AGRICULTURE

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

Ron DeSantis, Governor  
Mikaela S. Griffin, Secretary

**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**  
**BOARD OF PROFESSIONAL GEOLOGISTS**  
THE PROFESSIONAL GEOLOGIST HEREIN IS LICENSED UNDER THE  
PROVISIONS OF CHAPTER 492, FLORIDA STATUTES

**PIIRONEN, ALEC R**  
2122 JOHNSON STREET  
FORT MYERS, FL 33901

**LICENSE NUMBER: PG3184**  
**EXPIRATION DATE: JULY 31, 2026**  
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Mikaela S. Griffin, Secretary

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**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**  
**BOARD OF PROFESSIONAL ENGINEERS**  
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE  
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**BEERS, CHRISTOPHER DAVID**  
524 W. VIRGINIA AVE  
PUNTA GORDA, FL 33950-4843

**LICENSE NUMBER: PE64594**  
**EXPIRATION DATE: FEBRUARY 28, 2027**  
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**BOARD OF PROFESSIONAL ENGINEERS**  
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PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**HOWARD, ERIK LEE**  
PO BOX 284  
FORT OGDEN, FL 34267

**LICENSE NUMBER: PE66574**  
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**BOARD OF PROFESSIONAL ENGINEERS**  
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**VARBLE, JORDAN LEVI**  
2122 JOHNSON ST  
FORT MYERS, FL 33901

**LICENSE NUMBER: PE81414**  
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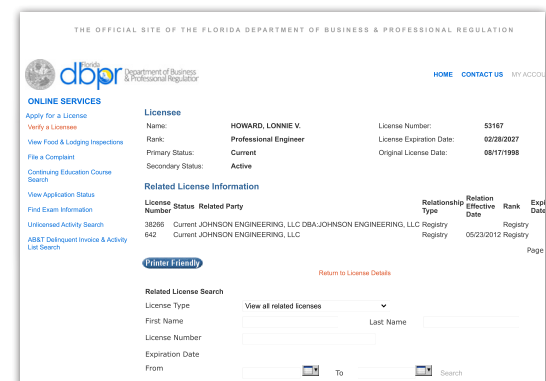
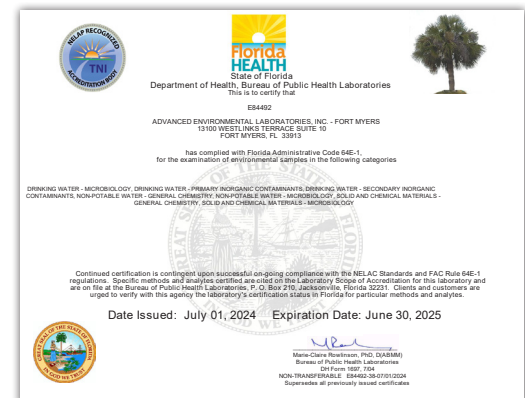
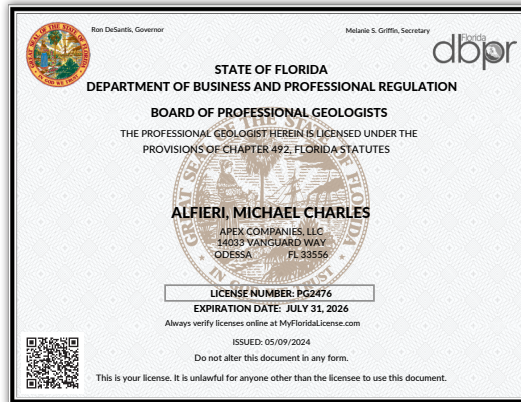
**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**  
**BOARD OF PROFESSIONAL ENGINEERS**  
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PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**HOWARD, LONNIE V.**  
1384 COFFEE MILL HAMMOCK ROAD  
MOORE HAVEN, FL 33471

**LICENSE NUMBER: PE39167**  
**EXPIRATION DATE: FEBRUARY 28, 2027**  
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## PROFESSIONAL LICENSES



**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						
	Alec Piironen, PG, Project Manager/Geologist	9	Fort Myers	Fort Myers	Fort Myers						
	Lonnie Howard, PE, Principal-In-Charge	32	Fort Myers	Fort Myers	Moore Haven						
	Christopher Beers, PE, PSM, Local Liaison	31	Port Charlotte	Port Charlotte	Punta Gorda						
	Erik Howard, PE, PSM, Engineer/ Water Well Contractor	23	Port Charlotte	Fort Myers	Fort Ogden						
	Tim Denison, Water Quality Scientist	29	Fort Myers	Fort Myers	Cape Coral						
	Jordan Varble, PE, Engineer	14	Fort Myers	Fort Myers	Fort Myers						
	Kevin RisCassi, PSM	33	Fort Myers	Fort Myers	Fort Myers						
	Duane Heller, Environmental Scientist/ Field Oversight Jesse McPherson, Environmental Scientist	1 3	Fort Myers Fort Myers	Fort Myers Fort Myers	Fort Myers Fort Myers						
	Abe Elizarrara, Environmental Scientist	10	Fort Myers	Fort Myers	Fort Myers						
<b>2.</b>	<b>Magnitude of Company Operations</b>										
	A) Total professional services fees received within last 24 months:			\$ 57 million							
	B) Number of similar projects started within last 24 months:			4							
	C) Largest single project to date:			\$ 15 million							
<b>3.</b>	<b>Magnitude of Charlotte County Projects</b>										
	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).			\$ 3 million							
<b>4.</b>	<b>Sub-Consultant(s)</b> (if applicable)	<b>Location</b>	<b>% of Work to be Provided</b>	<b>Services to be Provided</b>							
	Apex	13620 Metropolis Avenue, 110 Fort Myers, Florida 33912	7%	Surface water/Groundwater Modeling							
	Preferred Drilling Solutions	8820 66th St N Pinellas Park, FL 33782	10%	Well Drilling							
	Advanced Environmental Lab	13100 Westlinks Terrace Suite 10 Fort Myers, FL 33913	5%	Laboratory							
<b>5.</b>	<b>Disclosure of interest or involvement:</b> List below all private sector clients with whom you have an active pending contract and who have an interest within the areas affected by this project. Also, include any properties or interests held by your firm, or officers of your firm, within the areas affected by this project.										
	Firm	Address									
	Phone #	Contact Name									
	Start Date	Ending Date									
	Project Name/Description										
	To the best of our knowledge we have no active or pending contracts. If a contract were to occur within the area we are servicing, we would notify Charlotte County immediately of the change in status.										

**NAME OF FIRM** Johnson Engineering, LLC  
**(This form must be completed and returned)**

<b>6. Minority Business:</b> The County will consider the firm's status as an MBE or a certified MBE, and also the status of any sub-contractors or sub-consultants proposed to be utilized by the firm, within the evaluation process.	Yes _____ No <u>X</u>
<b>Comments or Additional Information:</b> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>	

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. _____ Dated _____	Addendum No. _____ Dated _____	Addendum No. _____ Dated _____
Addendum No. _____ Dated _____	Addendum No. _____ Dated _____	Addendum No. _____ Dated _____

Type of Organization (please check one):  <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;">           INDIVIDUAL CORPORATION             _____            Firm Name             _____            Fictitious or d/b/a Name             _____            Home Office Address             _____            City, State, Zip             _____            Address: Office Servicing Charlotte County, other than above             _____            Name/Title of your Charlotte County Rep.             _____            Name/Title of Individual Binding Firm (Please Print)              Signature of Individual Binding Firm             _____            Email Address         </div> <div style="width: 45%; vertical-align: top;"> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;">               ( ) PARTNERSHIP                (X) JOINT VENTURE                ( )                 (239) 334-0046                Telephone                 59-1173834                Federal Employer Identification Number (FEIN)                 _____                Number of Years in Business                 79                _____                Telephone                 (941) 766-6262                Telephone                 June 4, 2025                Date             </div> </div> </div> </div>
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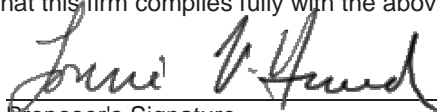
(This form must be completed & returned)

## DRUG FREE WORKPLACE FORM

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that Johnson Engineering, LLC 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 Lonnie V. Howard

June 4, 2025  
Date

NAME OF FIRM Johnson Engineering, LLC

(This form must be completed and returned)

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

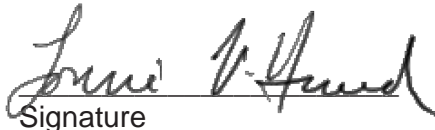
**Charlotte County Contract #20250431**

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

Lonnie V. Howard  
Printed Name

President  
Title

Johnson Engineering, LLC  
Nongovernmental Entity

June 4, 2025  
Date

**END OF PART IV**

**NAME OF FIRM** Johnson Engineering, LLC  
(This form must be completed and returned)