

Outlook

"Your project. Our passion."

EAGLES TAKE FLIGHT

We're not talking about the American Bald Eagle, but the Florida Gulf Coast University (FGCU) Eagles alumni, who have spread their wings and landed safely here at Johnson Engineering.

For the last 17 years, Johnson Engineering has played a large part in helping FGCU grow into the University it is today. It is rewarding to see that now 8% of our employees are FGCU alumni who bring fresh new ideas and experiences to our well-established civil engineering firm.

Our long standing history with the University started in August of 1997 with the first groundbreaking. At this time our team helped with planning and development, surveying, water resources, and landscape architecture and has since continued to lead the University's environmental consulting and civil engineering needs to this day.



The Johnson Engineering lobby of the U.A. Whitaker College of Engineering in Holmes Hall, Florida Gulf Coast University

In 2005, we established the Johnson Engineering Scholarship Endowed Fund, benefiting FGCU students majoring in civil or environmental engineering. The lobby of the U.A. Whitaker College of Engineering in Holmes Hall bears our company name, in honor of our contributions supporting higher education.

Many FGCU students have interned at our firm during their summer breaks, and most are hired as full-time employees once they graduate. The following page highlights a group of our current FGCU alumni who have chosen their career paths at Johnson Engineering.

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Fall 2014

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Florida Gulf Coast University Campus



FGCU image map above courtesy of www.FGCU.edu.

PEOPLE & PROJECTS: ON THE MOVE



Steve Trombley
has joined our Transportation CEI team as a Construction Observer and is working from our Port Charlotte office. He has 21 years of experience and works on projects throughout Charlotte & Lee Counties.



Jeff Stuckey
has rejoined our Transportation CEI team as a Sr. Construction Observer in our Land O'Lakes office. He has 22 years of experience and is working on CEI projects throughout Pasco County.



TYLER SHARPE, E.I.

ENGINEER INTERN/DEVELOPMENT GROUP

B.S. CIVIL ENGINEERING (2012)

Tyler joined Johnson Engineering in January 2012. He is an engineer intern and works on projects with all branch offices of Johnson Engineering. He works on a variety of land development and transportation projects, including site design, site grading, drainage system layout, underground utilities layout, earthwork calculations, quantity/construction cost estimates, plan production, permitting, coordination with outside consultants, and on-site construction inspection. While most of his experience thus far has been with commercial projects, he has completed various tasks for multiple residential projects as well. His transportation group experience includes roadway design, traffic analysis and plan production.



RYAN SCOTT

DESIGNER/DEVELOPMENT GROUP

B.S. CIVIL ENGINEERING (CURRENTLY SEEKING)

Ryan has worked for Johnson Engineering for a total of five years while attending school at FGCU. He works on a variety of land development and planning projects, including site design, site grading, drainage system layout, underground utilities layout, earthwork calculations, quantity/construction cost estimates, plan production, and master concept plans. He is currently attending FGCU part-time until he graduates with his B.S. in Civil Engineering in 2016.

LEANNE COOPER

ECOLOGIST/ENVIRONMENTAL GROUP

B.A. ENVIRONMENTAL STUDIES/MINOR IN BIOLOGY (2013)

LeAnne joined Johnson Engineering in January 2014 as an ecologist. Her duties include environmental impact surveys and assessments, wildlife surveys, avian tracking (capturing, banding & backpacking Crested Caracaras), GPS mapping, endangered species relocation, field monitoring and sampling, preparation of vegetation and land use maps (FLUCFCS maps using ArcGIS), permit compliance services (federal, state, and local), Biological Assessments and Biological Opinions, wetland/listed species mitigation proposals and mitigation monitoring.

JOHN GLENN, E.I.

ENGINEER INTERN/TRANSPORTATION GROUP

B.S. CIVIL ENGINEERING (2013)

John currently serves as an engineer intern in our transportation group. After graduating from FGCU in April of 2013, John joined the Johnson Engineering transportation group full time after completing his second internship. With his primary focus on roadway design, traffic impact analysis, quantity takeoffs and cost estimations, John understands what must be done to successfully plan for and design roadway projects to serve both the client's and public's needs.



AMY OXENDINE

MARKETING COORDINATOR/MARKETING GROUP

B.A. LIBERAL STUDIES/COMMUNICATION (2002)

Amy joined Johnson Engineering's marketing team in 2006. She is responsible for working with project managers for proposal coordination and production, which includes maintaining our employee resumes and project database. Amy is the editor of the company's quarterly Outlook newsletter. She also works closely with the marketing team to provide event coordination support.

ALFREDO PEREZ, E.I.

ENGINEER INTERN/WATER RESOURCES GROUP

B.S. CIVIL ENGINEERING (2014)

Alfredo joined Johnson Engineering in 2005 as a survey CADD technician. He has seven years of survey experience and is familiar with both office and field procedures for data collection and global positioning systems. Alfredo continued his education as a part-time student while transitioning into engineering within the company. He graduated in May 2014 and is currently working in our water resources group. He works on a variety of projects entailing various disciplines of engineering which include: groundwater, utilities, hydraulic modeling, groundwater modeling, construction inspection, report writing, and field data collection. His diverse experience allows him to assist all areas of engineering, surveying and mapping, and preparing plans and specifications.



KEVIN YOLE, E.I.

ENGINEER INTERN/UTILITIES GROUP

B.S. CIVIL ENGINEERING (2012)

Kevin has been associated with Johnson Engineering since August 2013. He is an engineer intern and works on projects within all branch offices of Johnson Engineering. He currently works in our utilities group where he is responsible for modeling water, wastewater, and irrigation systems. His experience includes work on a variety of utilities projects, surveying of underground utilities and utility construction inspections. Kevin has also assisted in technical reports, alignment analysis, opinions of probable cost, and permitting.



ZACHARY STONE, E.I.

ENGINEER INTERN/DEVELOPMENT GROUP

B.S. CIVIL ENGINEERING & ENVIRONMENTAL ENGINEERING (2014)

Zak joined Johnson Engineering in May 2014 as a summer intern in the transportation group. He has been recently hired as a full time engineer intern for the development group. Zak has gained experience in both transportation and development related projects. His current duties include site design, traffic data analysis, quantity takeoffs, and plan preparation.



OUR DESIGN GETS THE JOB DONE DURING RECENT RAINFALL IN NAPLES

On Monday, August 4, the Naples area received an astonishing 7.4" of rain in four hours that created flash flooding conditions at many locations...but not all. Among the areas that fared better than others, according to Mr. Gregg Strakaluse, Director of the Streets and Stormwater Department of the City of Naples, was the area known as Basin III. This area is located between 5th Avenue South and 13th Avenue South, just south of Downtown Naples.

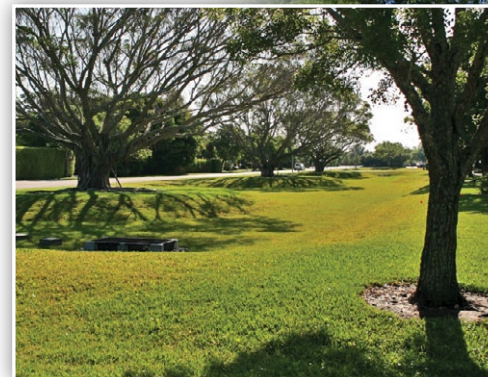
A few years ago our water resources team designed and permitted Basin III's water management improvements for the City of Naples. Monday's record rainfall was bittersweet as we saw the images of areas damaged by flash flooding, yet was rewarding to see our water management plan for Basin III worked as designed. Our design was put to the test during this storm and the results spoke for themselves, instilling client satisfaction and confidence in our team's water management expertise.

The design allowed the construction to be divided into two phases so that the City could allocate funding per the Capital Improvement Plan. The first phase of construction was completed in 2011 and focused on collection and conveyance of runoff from western areas of the Basin along Gulf Shore Boulevard South, as well as storage and water quality along Broad Avenue South.

The second phase of construction was completed in 2012 and enhanced collection and conveyance of runoff from eastern areas of the Basin along 8th Street South. Our improvements ended one block from the existing pump station on Broad Avenue, so the discharge into Naples Bay was not modified.

The only visible evidence of our design is the water detention areas along Broad Avenue. These were contoured around the historic Ficus trees and accentuated their presence in the landscape. The remainder of the design components include inlets, manholes, and buried pipes. Although out of sight, these are the links that keep the entire system working properly in order to effectively get the job done.

The drainage system of Basin III was put to the test during this large rainfall event and it passed with flying colors. The system performed as it was designed to do, keeping the area from flooding and negatively impacting the City of Naples residents. ■



THE CITY OF LABELLE OPENS NEW WATER TREATMENT FACILITY

City of LaBelle residents have a reason to be thankful as they now have access to a plentiful and healthy supply of fresh water thanks to the City's new water treatment plant. A new state-of-the-art reverse osmosis facility was recently completed, replacing the existing 30-year old facility that was approaching capacity.

The new facility located off S.R. 29, has 1.5 million gallons per day (mgd) capacity, withdrawing water from the Lower Hawthorn Aquifer through two wells and high-service pump stations. The new facility was made possible by grant funding received from the United States Department of Agriculture (USDA) Rural Development initiative and the South Florida Water Management District (SFWMD). This funding was secured through the hard work and continued efforts of the City of LaBelle leaders and staff. Thanks goes to the Paul Family that allowed the City to acquire the site from a willing seller. This long term project was successfully completed under the direction of City of LaBelle Public Works Director and Project Manager Michael Boyle.

Johnson Engineering's president, Lonnie Howard, P.E., provided the drilling and geophysical logging of the test well and provided various testing, sampling and performance analyses for the water supply. Though a small part in a much larger accomplishment, we are proud to contribute and would like to extend our congratulations to the City of LaBelle on this great step forward. ■



Above: Photo courtesy of Florida Aerial Services, Inc. www.FastAerial.com
Below: LaBelle WWTP ribbon cutting in July 2014



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Engineers | Surveyors | Planners | Ecologists | Landscape Architects | Geologists | Scientists



CELLULAR TRANSMITTERS TRACK CARACARA

Our ecologists and one of the leading experts on crested caracara, Dr. Joan Morrison, had their work cut out for them by this threatened Florida species. The caracara eluded our team for weeks as they attempted to capture three birds to attach cellular transmitters in order to track their movements. These clever birds have a distinct memory and never fall for the same trick twice, which made capturing them a challenge.

The team was eventually able to successfully capture and deploy three different GPS/GSM transmitters on three separate adult caracaras in hopes to watch and learn more about their habits. These caracara's movements are being tracked and the data is transmitting every few hours, allowing us to analyze it using Google Maps.

This information will also be used to determine which transmitter will be best used in future studies for tracking the birds as part of a study for the United States Fish & Wildlife Service (FWS).

To see our team in action and learn more about the crested caracara directly from Dr. Joan Morrison, view the documentary film produced by Into Nature Films at www.vimeo.com/94248235.

For more information on conducting caracara surveys, contact the Director of our Environmental group, Church Roberts at 239.461.2464 or croberts@johnsoneng.com. ■

