

Outlook

"Your project. Our passion."

A quarterly publication by:



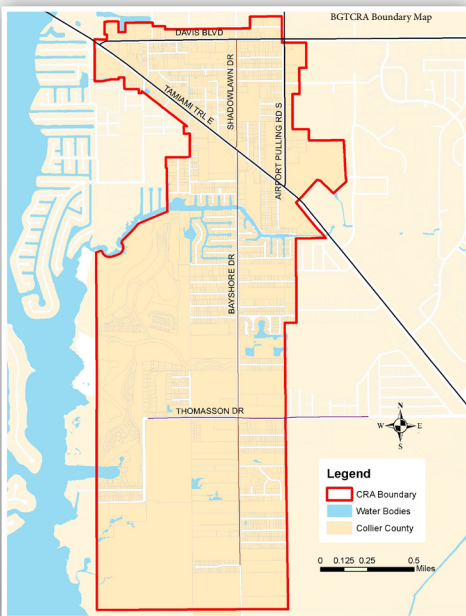
Winter 2022/23

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BAYSHORE GATEWAY TRIANGLE COMMUNITY REDEVELOPMENT

Bayshore Drive recognized with the 2022 Great Places in Florida Award

The year 2022 has been significant for this Bayshore Gateway Triangle Community Redevelopment Area in many ways. The pace of private development and redevelopment activity continues to tick upward. Construction of the Courthouse Shadows complex, including 300 apartments, is entering final stages, and construction has kicked off for the mixed-use catalyst project Metropolitan Naples at the intersection of Davis Boulevard and US 41. The CRA office completed the opening of a public parking lot with 37 parking spaces, 2 rideshare pull-offs, and low impact stormwater design, plus space for one electric car charging station. The CRA office also launched preliminary planning and permitting activities for the first phase of a boardwalk connecting CRA owned property along Bayshore Drive to Sugden Park, and initial steps are underway to launch a Master Plan for the Gateway Triangle Area.



The Bayshore Gateway Triangle Community Redevelopment Area is in the urban area of Collier County bordering the City of Naples.

The area's redevelopment accomplishments have captured attention outside Southwest Florida. In November 2022, Bayshore Drive was named Winner of the Florida American Planning Association's 2022 Great Place in Florida Award. Other finalists included places from Deltona, St. Petersburg, and Tallahassee.

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PEOPLE & PROJECTS: ON THE MOVE



Florida Gulf Coast University's President Mike Martin and Johnson Engineering's Director of Development Dana Hume, PE, along with the design team, at the ribbon cutting for the newest academic building #9, the School of Water Resources & Integrated Sciences, nicknamed "The Water School", which opened this fall for students. Johnson Engineering was the civil engineer for the project and provided the overall site and parking design, stormwater management plan, environmental, utilities, and associated permitting.

Photo source: Bayshore Gateway Triangle CRA

NAPLES BOTANICAL GARDEN



Photo source: Naples Botanical Garden

GATEWAY ROUNDABOUT



Photo source: Bayshore Gateway Triangle CRA

GREEN COLORED BIKE LANES



Photo source: Bayshore Gateway Triangle CRA

CELEBRATION FOOD TRUCK PARK



Photo source: David Corban Architects, PLLC

HALDEMAN CREEK



Photo source: David Corban Architects, PLLC

LOCAL ART INSTALLATIONS



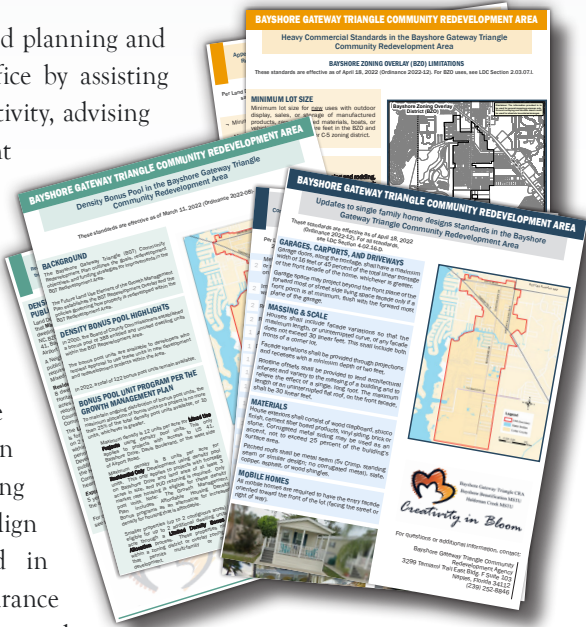
Photo source: Bayshore Gateway Triangle CRA

<https://florida.planning.org/community-outreach/great-places-florida>. The CRA joins an elite list of notable locations to have received this award since 2014: Mount Dora, Downtown Fernandina Beach, Cascades Park in Tallahassee, Downtown Pensacola, Downtown Winter Garden, Downtown Winter Haven, Historic Downtown Stuart, and Mill Lake Park Continuum in Orange City. This is the ninth year for this award. This year's theme was Great Healthy Places. With attributes like Naples Botanical Garden, the gateway roundabout where Bayshore intersects Thomasson Drive at Del's Corner, green colored bike lanes, a waterfront gathering place at Celebration Food Truck Park, and local artist installations, the corridor stands apart as a complete street and community asset, setting the standard for other jurisdictions looking to bring health, well-being and vibrancy through redevelopment.

Our planning team has provided planning and zoning services to the CRA office by assisting with monitoring development activity, advising the CRA on development inquiries, and by completing Growth Management Plan amendments and Land Development Code amendments that help implement the adopted CRA Redevelopment Plan. The amendments went into effect in April 2022 changing governing policies and regulations to align with three priorities identified in the Redevelopment Plan: appearance standards for outdoor sales, display, and storage; architectural standards for single family homes; and creation of public realm improvement requirements for the density bonus program along with a limited bonus density pool allocation process for properties of two contiguous acres or smaller. These new standards will help the CRA continue its trajectory with quality infill and redevelopment projects that contribute to the character of the area.

The impacts of Hurricane Ian's landfall in Southwest Florida on September 28, 2022, was felt intensely in the Bayshore Gateway Triangle Community Area. The area's older infrastructure and buildings were inundated with storm surge that compromised homes and businesses. In the days and weeks following the storm, the resilience of the people who live and do business in this area was steadfast. Through the community spirit and the lessons learned from this storm, the Bayshore Gateway Triangle Community Area will continue robust engagement and planning efforts to continue making strides toward redevelopment programs and projects that are recognized as models for success.

For more information, contact Chrissy Fisher, AICP at cfisher@johnsoneng.com or call (239) 461-2456. ■



CAPE CORAL NEW WEIR 29 TO HELP ALLEVIATE IRRIGATION RESTRICTIONS

The City of Cape Coral actively manages one of the largest surface water management systems in Southwest Florida, composed of many miles of fresh and saltwater canals, interconnecting culverts, irrigation withdrawal facilities, and 30 major water control structures. Like other areas in Southwest Florida, the City of Cape Coral has an overabundance of freshwater in the rainy season and a lack of water in the dry season, often leading to severe irrigation restrictions mandated by lowered water levels in the freshwater canals and groundwater. A key recommendation in the City's stormwater master planning was to install a new weir at the existing, uncontrolled outfall to Yellow Fever Creek from Midsummer Canal. It was proposed that the new weir would raise the control elevation and reduce freshwater outflows during the dry season, preserving a precious resource.

Johnson Engineering completed the design, specifications, and permitting through SFWMD and USACE for a new primary outfall structure, Weir 29. The project is currently nearing the end of construction. Performed entirely in-house, the design included a fixed-crest concrete weir with two slide gates with motorized actuation, remote monitoring, and remote operation. The Supervisor Control and Automatic Data Acquisition (SCADA) system was designed to be compatible with the existing remote monitoring and operating system currently used by the City of Cape Coral.

At the beginning of the detailed design phase of this project we critically reviewed the conceptual design provided and found that the downstream culverts under the roadway were shown to be the controlling factor, not the proposed weir. This allowed the weir design to be reduced from 68 feet to 20 feet, resulting in considerable cost savings for the City while providing the same level of service.

Our team looks forward to assisting the City on future stormwater projects. For more information, contact Jordan Varble, PE at jvarble@johnsoneng.com or call (239) 461-2431. ■



BEFORE

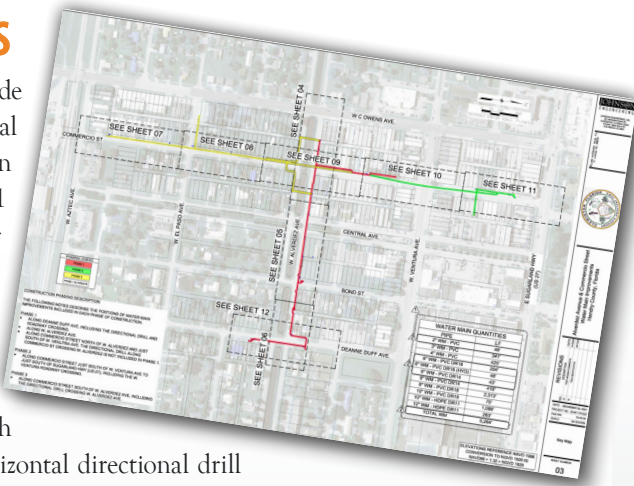


AFTER

CITY OF CLEWISTON INFRASTRUCTURE ENHANCEMENTS

Clean and reliable drinking water is the driving force for the City of Clewiston to upgrade the infrastructure in the central part of their community, with more to follow. The residential and commercial areas along Alverdez Avenue and Comercio Street in the City of Clewiston will soon have improved water service reliability, increased water pressure, and will have 11 new fire hydrants throughout the area. Previously, the water flowed through small diameter water mains, outdated pipe materials, and had little to no fire hydrants for fire protection.

Johnson Engineering's utilities team designed a potable water system extension of 5,300 linear feet of water main throughout this portion of Clewiston. The new PVC and HDPE water main pipe material, ranging from 3-inch up to 12-inch, will improve the City's existing system that consists primarily of obsolete pipe materials. Working closely with the contractor, Johnson-Davis, our team oversaw the installation of two subaqueous horizontal directional drill crossings underneath Canal C-4 and Alverdez Avenue, and one horizontal directional drill crossing underneath the Ventura Avenue roadway. Construction began in April 2022 and is anticipated to be completed in February 2023.



The team divided this project into three construction phases allowing for various segments to be constructed and placed into operation consecutively. This method of scheduling was beneficial to allow portions of the new system to be placed into operations once they were completed. In addition to the aforementioned improvements, the water main installation also provided the adequate flow and pressure needed to meet fire flow requirements; this upgrade will facilitate redevelopment and future investment in the central business district and adjacent properties. The City received a federal grant through the American Rescue Plan Act of 2021 to fund the construction cost of this project in the amount of \$1.4 million.

The City of Clewiston realizes the importance of public utility infrastructure enhancements and has leveraged approximately \$9 million to improve and extend necessary water and wastewater infrastructure facilities along the US 27 Highway corridor throughout the City and surrounding areas, as well as at Airglades International Airport. These improvements will positively impact their future economic development efforts and will provide more reliable water and wastewater service to communities for years to come. For more information, contact Billy Saum at (239) 461-2414 or whs@johnsoneng.com. ■

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ENGINEERING



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Office Locations

Corporate Headquarters
2122 Johnson Street
Fort Myers, FL 33901

2350 Stanford Court
Naples, FL 34112

17833 Murdock Circle
Port Charlotte, FL 33948

17900 Hunting Bow Circle
Suite 101, Lutz, FL 33558

251 W. Hickpochee Avenue
LaBelle, FL 33935

201 S. Berner Road, #3
Clewiston, FL 33440

Comments, questions or to receive future newsletters electronically, e-mail mkt@johnsoneng.com.
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JOHNSON ENGINEERING HAS ACQUIRED MARCO SURVEYING & MAPPING

Johnson Engineering has acquired Marco Surveying & Mapping, a Naples, Florida-based company, in a strategic move to enhance its surveying services. The acquisition added 11 experienced surveying and mapping staff to the Johnson Engineering team, in addition to surveying records and equipment.

Marco Surveying & Mapping founder and President, David Hyatt, PSM, and his team will transition into the Johnson Engineering family and will work from the company's Naples office.



Johnson Engineering Survey Director Matt Howard and Johnson Engineering President Lonnie Howard welcome the newest members of the Johnson Engineering team (L to R) Glen Pike, Tate Danaher, James Pike, Norm Evely, Scott Casey, David Hyatt, Matt Howard, Lonnie Howard, Dave Bruns, Darin Schmitt, Brendan Walsh, Ron Yurick, and Paulie Holt.

“Lately it’s been challenging to find help and keep up with demand” said Johnson Engineering President Lonnie V. Howard, PE. “David and his team, along with their knowledge, experience, equipment, and records, will significantly enhance our ability to provide surveying and mapping services to our clients in Collier County and surrounding areas. It will also free up additional resources in our other office locations.”

This purchase fits well with Johnson Engineering’s business strategy to “build and maintain our leadership position in our markets as the preeminent provider of engineering-related services, exceeding our clients’ expectations and solving their problems with responsive, innovative solutions”. Hyatt’s 38 years of experience in land surveying, combined with his established team of surveyors and mappers, will be a strong addition to Johnson Engineering’s existing survey team.

We welcome these newest team members to our Johnson Engineering family!