PROPOSAL

FLORIDA'S HOLLYWOOD
COMMUNITY REDEVELOPMENT AGENCY

ENGINEERING SERVICES FOR STORMWATER PUMP STATION #16 JACKSON TO JEFFERSON STREET ALONG SR A1A

Solicitation No. RFQ-365-26-JJ

Company Name: GFT Infrastructure, Inc.

GFT

SUBMITTAL DUE DATE:
FEBRUARY 12, 2026

GFT

February 12, 2026

Jean Joinville, Procurement Manager
City of Hollywood
2600 Hollywood Boulevard
Hollywood, FL 33020-4807

RE: STORMWATER PUMP STATION #16 - JACKSON TO JEFFERSON STREET ALONG SR A1A, RFQ-365-26-JJ

Dear Mr. Joinville:

The City of Hollywood Community Redevelopment Agency (CRA) continues to advance meaningful, long-term investments in infrastructure to implement its mission to eliminate slum and blight. Stormwater infrastructure is a priority to protect neighborhoods, maintain public safety, and strengthen resilience in the face of sea level rise, increased rainfall intensity, and coastal storm impacts. Stormwater Pump Station #16 is a key component of this effort, supporting flood mitigation in a low-lying, urbanized area while integrating with existing utilities, transportation corridors, and surrounding communities. As the City of Hollywood's consultant supporting stormwater, water, sewer, and utility infrastructure initiatives, GFT Infrastructure, Inc. (GFT) understands both the technical drivers and the community-centered objectives guiding this project. These improvements are not abstract to us — we live and work in Broward County, and the performance of this infrastructure directly affects our daily lives, our neighborhoods, and our shared resilience as a coastal community.

GFT has partnered with the City of Hollywood and neighboring municipalities for decades to plan, design, and implement complex infrastructure projects that must perform under real-world conditions. Our team brings a deep understanding of the City's standards, priorities, and regulatory environment, informed by direct experience delivering utility relocations along the SR A1A corridor, stormwater pump station design and rehabilitation projects, and multidisciplinary efforts requiring close coordination with Florida Department of Transportation (FDOT), Broward County, Florida Department of Environmental Protection (FDEP), and South Florida Water Management District (SFWMD). This familiarity allows us to support the CRA/City efficiently, anticipate challenges early, and deliver solutions that align with long-term operational and resilience goals.

Work for Stormwater Pump Station #16 will be led out of GFT's Miami/Broward office, providing immediate access to local leadership and technical resources. Yurfa Glenny, PMP, ENV SP, will serve as Project Principal, continuing her role as a trusted advisor to the City with extensive experience overseeing capital improvement programs and stormwater infrastructure across South Florida. Lilian Marrero, PE, ENV SP, will serve as Project Manager, providing hands-on leadership rooted in the planning, design, and delivery of stormwater pump station facilities that address flood conditions.

EMERGENCY RESPONSE

City of Hollywood Stirling Road Water Main Extension

Under an emergency procurement, GFT supported the Stirling Road to Town Hollywood 12-inch Water Main Extension after it was discovered that a newly occupied development had been incorrectly connected to a neighboring jurisdiction. GFT delivered expedited design, permitting, and construction administration for the 12-inch water main installed within FDOT right-of-way, supporting rapid resolution of the issue and protecting public health and safety.

GFT's approach reflects our commitment to the CRA/City and the community we serve. We focus on resilient, constructible designs; proactive coordination with permitting agencies; and practical solutions that balance technical performance with long-term maintainability. Our multidisciplinary team understands the complexities of working within constrained, occupied corridors and prioritizes safety, maintenance of operations, and clear communication throughout the phases of project delivery.

In accordance with the Request for Qualifications (RFQ) requirements, GFT confirms the following:

- Bankruptcies: No. GFT Infrastructure, Inc., its parent company, and its subsidiaries have never had a bankruptcy petition filed, voluntarily or involuntarily.
- Contract Termination: No. GFT has not had a contract terminated by another party.
- Convicted Vendor List: By submitting this Statement of Qualifications, GFT confirms that the firm has not been placed on the convicted vendor list as described in Section §287.133(2)(a), Florida Statutes.

GFT remains committed to continuing our role as a trusted advisor to the City of Hollywood and supporting the delivery of resilient, community-focused infrastructure. We value the opportunity to work alongside the CRA/City on Stormwater Pump Station #16 and to help advance improvements that protect residents, businesses, and the quality of life in the community we call home. If you have any questions or would like additional information, please do not hesitate to contact Project Manager Lilian Marrero at 305.908.3886 or lmarrero@gftinc.com or me at 305.908.3873 or yglenny@gftinc.com.

Sincerely,

Yurfa Glenny, PMP, ENV SP
Vice President | Project Principal

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EXECUTIVE SUMMARY

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EXECUTIVE SUMMARY

By selecting GFT Infrastructure, Inc., the CRA/City will partner with a committed, local team of professionals proven to be responsive, focused on efficient execution, with a high commitment to quality and successful project delivery. We stand ready to help the CRA/City improve its stormwater infrastructure in support of a safe, resilient future for its community.

B.1. BUSINESS INFORMATION

B.1.1. Business Entity

GFT Infrastructure, Inc. (GFT) [formerly known as Gannett Fleming, Inc.] is a corporation legally licensed to perform such work (Sunbiz #P26734; FL Department of Business & Professional Regulation #5564). Throughout our proposal, we demonstrate how we have successfully completed services, as specified in the Scope of Work/Services section of this solicitation.

B.1.2. Firm Background

GFT is a nationally recognized, infrastructure consulting firm providing integrated engineering, planning, permitting, and construction support services to public-sector clients. GFT brings more than a century of experience delivering essential water and wastewater infrastructure, including stormwater, across South Florida, throughout the United States, and internationally. Our local Fort Lauderdale office of more than 50 professionals and our Miami office of 76 professionals, supported by more than 5,500 professionals firmwide, has served the South Florida region continuously since 1993, providing the depth, capacity, and responsiveness required for complex municipal infrastructure programs.

GFT has earned a national reputation for engineering excellence across water, wastewater, stormwater, transportation, architecture, and planning disciplines. Our multidisciplinary teams support clients across the full project life cycle from concept development and alternatives analysis through design, permitting, and construction support delivering integrated, cost-effective solutions that balance innovation with constructability. As a result of this consistent performance, GFT is ranked in the top 10 percent of Engineering News-Record's (ENR) Top 500 Design Firms, currently holding the No. 18 position.

WHY GFT

- STRONG MANAGEMENT SUPPORT LEADS
- PROVEN LOCAL FIRMS
- SOLID QUALIFICATIONS
- SKILLED STAFF WITH REQUISITE KNOWLEDGE AND EXPERIENCE
- KNOWLEDGE OF HOLLYWOOD'S PROCESSES AND PROCEDURES
- ESTABLISHED WORKING RELATIONSHIPS
- DEEP RESOURCE POOL OF MULTIDISCIPLINARY PROFESSIONALS

GFT has designed, rehabilitated, and supported construction of more than 750 lift and pump stations, ranging from neighborhood-scale facilities to large master pump stations exceeding 300 mgd. This experience includes stormwater pump stations in coastal and tidally influenced environments, incorporating mechanical, electrical, structural, and instrumentation and controls (I&C) and Supervisory Control and Data Acquisition (SCADA) systems, standby power, and flood-resilient design features. These capabilities directly align with the technical and operational challenges anticipated for the Stormwater Pump Station #16, including tidal backwater, high groundwater table, sea level rise, and constrained urban rights-of-way.

In South Florida, GFT has delivered stormwater and pump station projects for the City of Hollywood, Broward County, Miami-Dade County, FDOT, and the South Florida Water Management District, including infrastructure located within FDOT corridors, coastal discharge areas, airport facilities, and dense residential neighborhoods. These projects require coordination with FDOT, FDEP, SFWMD, U.S. Army Corps of Engineers (USACE), County environmental agencies, and local building departments, and reflect GFT's working knowledge of Florida's regulatory and permitting processes.

GFT's South Florida–based team, supported by regional and national technical specialists, provides fully integrated multidisciplinary delivery that allows stormwater pump station projects to advance efficiently from alternatives analysis and Basis of Design development through final design, permitting, bidding, and construction administration. This integrated approach minimizes interface risk, improves constructability, and supports efficient agency review key priorities for the City of Hollywood Community Redevelopment Agency (CRA) and the successful delivery of Stormwater Pump Station #16.

B.1.3. Main Office and Office Locations

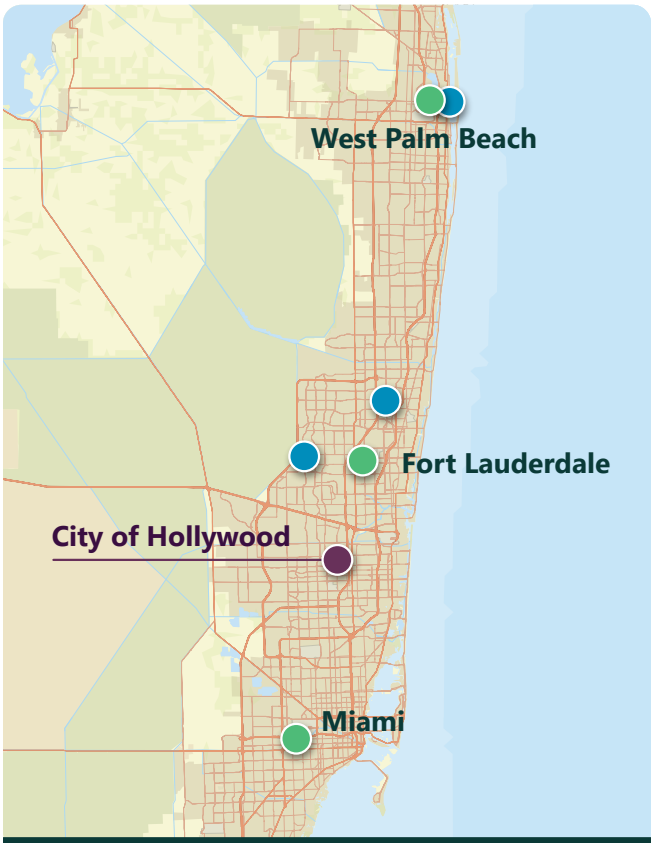
GFT's headquarters (main office) is in Mechanicsburg, Pennsylvania; however, office locations to service this contract are in South Florida. Our offices in Fort Lauderdale, Miami, and West Palm Beach are staffed by qualified professionals, many with more than 20 years of experience working on related projects in Florida. *Work under this contract will be performed out of our Fort Lauderdale and Miami offices.*

GFT Infrastructure Inc.'s Miami Office Address is:

3230 West Commercial Blvd.
Suite 450
Fort Lauderdale, FL 33309

Primary Contact:
Yurfa Glenny, PE
T: 305.389.3728
E: yglenny@gftinc.com

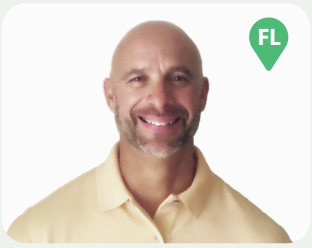
Figure B-1. Office Locations. GFT's Fort Lauderdale and Miami offices will serve as the main office locations that will service this project.



GFT INFRASTRUCTURE - DEDICATED LEADERSHIP TEAM AND KEY STAFF

Yurfa Glenny, PMP, ENV SP
Project Principal and Primary Point of Contact

Lilian Marrero, PE, ENV SP
Project Manager



Jorge Orozco, PMP
Construction Management

Kyle Logue, PE
QA/QC Lead

11
GFT OFFICES IN FLORIDA

24
AVERAGE YEARS OF RELEVANT EXPERIENCE

9 OUT OF 14 KEY STAFF ARE FLORIDA PROFESSIONAL ENGINEERS

B.1.4. Officers, Principals, Supervisory Staff & Key Individuals

To assist the CRA/City with the technical expertise needed to address its need for a stormwater pump station at Jackson to Jefferson Street along SR A1A, GFT structured our team to include experienced, qualified engineers and multi-disciplined professionals who offer innovative, comprehensive solutions that address regulatory requirements and promote resilient solutions.

Our core team averages more than 24 years of relevant experience and includes 10 Florida-registered Professional Engineers. Most of our management and leadership team are based in Miami and other South Florida offices. Yurfa Glenny, PMP, ENV SP, and Kyle Logue, PE, serve as Officers of GFT Infrastructure, Inc., each holding the title of Vice President.

B.2. KEY ELEMENTS OF THE SOQ

This Statement of Qualifications presents the firm's ability to successfully deliver engineering services for Stormwater Pump Station #16 by addressing the following key elements:

Firm Qualifications and Experience – Demonstrates GFT's experience with stormwater pump stations, coastal flood mitigation projects, and similar multi-disciplinary infrastructure projects, including work in tidally influenced and low-lying environments.

Organizational Profile and Project Team – Identifies our proposed project team, including the Project Manager and key technical staff, and summarizes their relevant experience, roles, and availability to support the project.

Approach to the Scope of Work – Describes GFT's understanding of the project objectives and outlines the technical approach for alternatives analysis, design development, permitting, bid support, and construction administration.

Knowledge of the Site and Local Conditions – Highlights familiarity with the project area, local environmental conditions, regulatory requirements, and coordination with City, CRA, FDOT, and permitting agencies.

Past Performance and References – Provides examples of similar projects completed within the last five years and references that demonstrate successful project delivery, coordination, and performance.

Capacity and Availability – Confirms GFT's ability to manage the workload and commit appropriate resources to meet the project schedule and CRA requirements.

TAB C

FIRM QUALIFICATIONS AND EXPERIENCE

TAB C

FIRM QUALIFICATIONS AND EXPERIENCE

GFT's portfolio of coastal and urban stormwater projects ranging from local pump stations to FDOT corridors, airport facilities, and regional flood mitigation systems demonstrates GFT's ability to deliver permit-ready, constructible, and resilient infrastructure tailored to the City's unique coastal environment and CRA priorities.

C.1. MINIMUM QUALIFICATIONS

GFT is a nationally recognized infrastructure consulting firm providing integrated engineering, planning, and construction support services to public-sector clients. GFT brings more than 110 years of experience delivering engineering services including stormwater pump stations, coastal flood mitigation projects, and complex utility infrastructure in constrained, urban, and tidally influenced environments. Our team combines technical depth, regulatory knowledge, and a proven record of successful project delivery to support the City of Hollywood CRA's stormwater resilience objectives.

GFT's experience directly aligns with the CRA/City's minimum qualifications and the full Scope of Services outlined in Section 4.3 of the RFQ. Throughout this proposal, GFT demonstrates our ability to deliver services consistent with the scope, complexity, regulatory environment, and resiliency objectives identified in the RFQ, including:

- Design and rehabilitation of pump stations in constrained urban rights-of-way
- Flood mitigation and sea level rise adaptation
- Coordination with FDOT, County, and State agencies
- Multidisciplinary design (civil, structural, mechanical, electrical, instrumentation & controls [I&C])
- Preparation of Basis of Design Reports (BODRs) and alternatives evaluations
- Delivery of permittable, biddable, and constructible documents
- Construction-phase engineering and administration services

Demonstrated Experience with Stormwater and Pump Station Engineering

GFT has completed planning, evaluation, design, permitting, and construction-phase services for numerous stormwater pump station and flood control projects incorporating mechanical, electrical, structural, instrumentation, and SCADA components. Projects range from neighborhood-scale pump stations to regional flood mitigation systems with high-capacity pumping.

- **Lake Belmar Stormwater Pump Station,** *Miami-Dade County Department of Transportation & Public Works (DTPW):* Design of a 90-cfs stormwater pump station subject to tidal backwater conditions, including pretreatment, seawall improvements, SCADA integration, and resiliency measures.
- **Trails End Stormwater Pump Station,** *Fort Lauderdale–Hollywood International Airport (FLL):* Basis of Design, alternatives evaluation, and detailed design for a new stormwater pump station supporting airport-wide drainage improvements and tidally influenced outfalls.

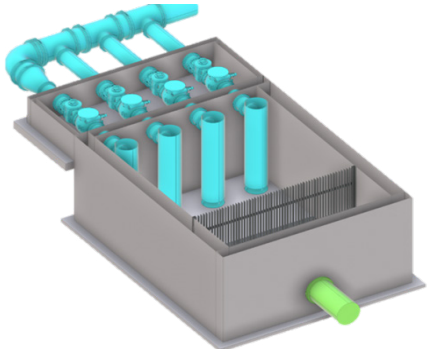


Figure C-1. Stormwater Pump Station Rendering. GFT designed the wet well structure for the Trails End Stormwater Pump Station.

- **Tiger Creek Detention Pond,** *Orange County Drainage District, TX:* GFT is providing engineering, environmental, and regulatory permitting services for a regional flood mitigation project designed to manage 100-year storm events through 3,600 acre-feet of storage. The project is supported by comprehensive hydrologic and hydraulic modeling using HEC-HMS and two-dimensional HEC-RAS to establish design criteria and inform system performance. A key component of the project is a **high-capacity stormwater pump station, preliminarily estimated at 500 cfs**, designed to evacuate stored floodwaters and developed in accordance with Hydraulic Institute (HI) standards for reliable operation. The detention system features interconnected storage areas and siphon crossings to efficiently balance storm flows, with an operational plan for long-term system performance.

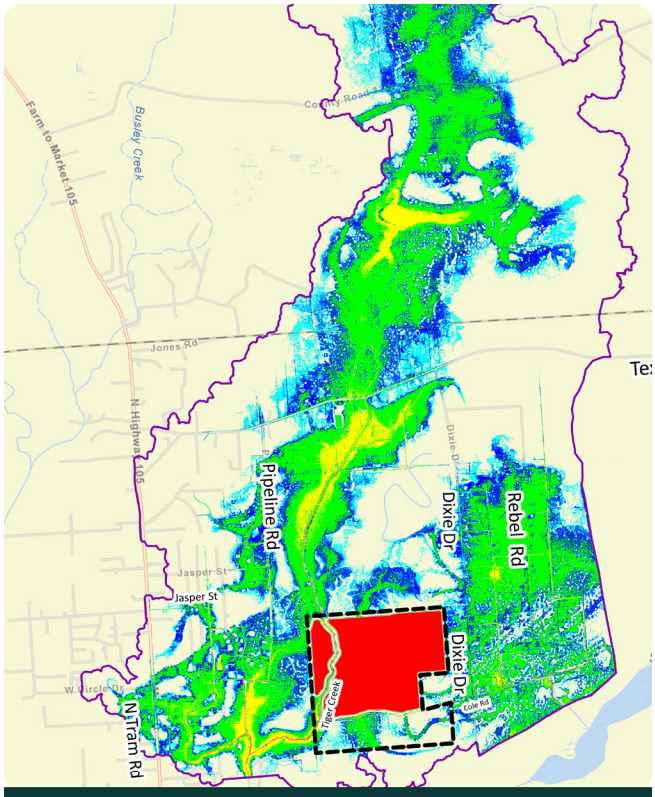


Figure C-2. Tiger Creek Modeling. GFT hydraulic modeling using HEC-HMS and 2D HEC-RAS to establish design criteria and inform system performance.

Multi-Disciplinary Engineering Capability

GFT provides fully integrated civil, structural, mechanical, electrical, environmental, and I&C engineering services required to deliver complex stormwater pump station projects from alternatives analysis and Basis of Design development through final design, permitting, and construction support. GFT's in-house, multi-disciplinary teams work collaboratively throughout the project lifecycle, allowing critical design decisions related to hydraulics, structural systems, pumping equipment, power, controls, and constructability to be evaluated concurrently rather than in isolation.

This integrated delivery model significantly reduces interface risk, improves coordination between disciplines, and results in more constructible, permit-ready designs. By maintaining direct control over core technical disciplines, GFT is able to respond efficiently to agency comments, resolve conflicts early in design, and adapt designs to site constraints commonly encountered in coastal and urban environments, including limited right-of-way, high groundwater, tidal backwater, and ongoing operations.

A key strength of GFT's multidisciplinary capability is our in-house SCADA, instrumentation, and controls expertise, which is essential to the reliable operation of modern stormwater pump stations. GFT's I&C engineers regularly design and integrate pump station control architectures, including level sensing, pump sequencing, redundancy strategies, alarm management, remote monitoring, and integration with owner SCADA systems. This capability makes sure that control strategies are developed in coordination with hydraulic performance, electrical loading, and operational requirements, rather than as an afterthought late in design.

Across multiple projects, GFT has designed pump stations and flood mitigation facilities incorporating local and remote control systems, VFD-driven pumps, emergency power integration, and operator-focused SCADA interfaces, supporting both normal operations and extreme storm response conditions.

This experience allows GFT to deliver control systems that are intuitive for operators, resilient during power or communication disruptions, and compliant with owner standards.

By combining in-house multidisciplinary engineering with strong SCADA and controls design capabilities, GFT delivers stormwater pump station solutions that are technically coordinated, operationally reliable, and well-positioned for efficient permitting, construction, and long-term operation.

- **Master Pump Station 300 Rehabilitation,** *Broward County:* Multidisciplinary rehabilitation of a critical pump station incorporating civil, structural, architectural, mechanical, electrical, and I&C design under accelerated schedules.
- **Boma Flow Equalization Basin,** *SFWMD:* Integrated design of embankments, pump stations, water control structures, and hydraulic systems for a large-scale flood storage and conveyance facility

Relevant Florida and Coastal Infrastructure Experience

GFT has extensive experience delivering infrastructure projects in coastal and tidally influenced environments throughout Florida, including South Florida corridors subject to high groundwater, tidal backwater, sea level rise, storm surge, and constrained urban right-of-way conditions. This experience is directly applicable to the CRA/City's Stormwater Pump Station #16, which must function reliably within a low-lying, barrier island environment influenced by coastal hydraulics and adjacent State roadway infrastructure.

GFT has successfully planned, designed, and supported construction of stormwater pump stations, drainage improvements, utility relocations, and flood mitigation facilities in areas where gravity drainage is limited and stormwater systems must operate effectively during high-tide and extreme rainfall conditions. These projects required careful coordination of hydraulic performance, outfall capacity, pump station elevation criteria, and resiliency measures to maintain level of service while complying with Florida regulatory requirements.

SPOTLIGHT PROJECT - COASTAL INFRASTRUCTURE

Gulf Coast Storm Surge Suppression Study
Gulf Coast Community Protection and Recovery District (GCCPRD), Texas

The Study was a $7.1 million, multi-year planning effort to reduce storm surge and coastal flood risk across a six-county region of the Texas Gulf Coast. Conducted in support of USACE civil works planning, the study evaluated long-term, regionally coordinated solutions to protect life, infrastructure, environmental resources, and economic activity in some of the state's most flood vulnerable coastal communities.

Key elements included:

- Regional storm surge and flood mitigation planning across six coastal counties
- Evaluation of structural alternatives, including levees, floodwalls, closure gates, and pump stations
- Advanced hydrologic, hydraulic, storm surge, and wave modeling to inform risk and benefit-cost analyses
- Environmental, cultural, and geotechical assessments to support sustainable coastal protection strategies
- Public and stakeholder engagement to support transparent, multi-jurisdictional decision-making
- *2017 ACEC Texas Engineering Excellence Gold Award for excellence in studies, research, and consulting engineering services*

Along the SR A1A corridor in the City of Hollywood, GFT has supported utility and stormwater-adjacent infrastructure improvements within FDOT right-of-way, requiring close coordination with FDOT standards, permitting processes, maintenance-of-traffic considerations, and concurrent construction activities. This experience provides GFT with a strong understanding of the technical and logistical challenges associated with delivering infrastructure improvements along State roadways in coastal settings.

GFT has also delivered stormwater pump station projects discharging to tidally influenced canals and coastal water bodies, including the **Lake Belmar Stormwater Pump Station for Miami-Dade County** and the Trails End **Stormwater Pump Station at Fort Lauderdale–Hollywood International Airport.** These projects required design approaches that accounted for tidal backwater effects, sea level rise projections, high groundwater conditions, and environmental permitting constraints, while integrating pretreatment, energy dissipation, and resilient structural and electrical systems.

In addition to localized pump stations, GFT has supported regional-scale flood mitigation and water management projects in Florida, including facilities incorporating large-capacity pump stations, storage basins, and controlled discharge structures. This broader flood mitigation experience informs GFT's approach to stormwater pump station design by emphasizing system-wide performance, operational flexibility, and long-term resiliency, rather than isolated component solutions.

GFT's Florida and coastal infrastructure experience demonstrates our ability to deliver resilient, constructible, and permit-ready stormwater infrastructure that responds effectively to the unique challenges of coastal communities like Hollywood, including tidal influence, limited drainage gradients, regulatory complexity, and the need for reliable performance during extreme weather events.

- **Lake Belmar Stormwater Pump Station,** *Miami-Dade County DTPW:* GFT completed the design of Lake Belmar SWPS discharging to Biscayne Bay. The features included a new seawall, energy discipator outfall, and riprap to meet local, state and federal requirements.
- **SR A1A Utility and Stormwater-Adjacent Improvements,** *City of Hollywood:* Utility relocations and infrastructure improvements within FDOT right-of-way along SR A1A, requiring coordination with FDOT, City staff, and adjacent projects.
- **Alton Road Stormwater Pump Station,** *Miami (FDOT):* Stormwater pump station and drainage design within a constrained urban corridor, incorporating pretreatment BMPs, outfall velocity controls, and FDOT permitting coordination.
- **Glen Cove Sewer Service Area Pump Station Improvements, Stormwater and Flood Mitigation,** *Nassau County Department of Public Works (DPW), NY:* Provided comprehensive services for improvements and flood mitigation of coastal pump stations serving the Long Island's North Shore. The work supported enhanced stormwater and sanitary flow management in a tidally influenced coastal environment and included replacement of pumps and mechanical components; upgrades to electrical and HVAC systems; installation of permanent and portable generators and diesel fuel storage tanks; force main replacement over a bridge crossing; site and structural improvements; sewer cleaning and closed-circuit television (CCTV) inspection; and integration with Nassau County's existing control system. Extensive staging was required to maintain continuous operations within constrained coastal and park settings.

Permitting and Regulatory Compliance Experience

GFT has extensive experience leading and coordinating permitting and regulatory compliance for stormwater pump stations and related infrastructure throughout

Florida, including projects subject to review and approval by the FDOT, FDEP, SFWMD, Broward County Environmental Protection and Growth Management Department, Miami-Dade County regulatory agencies, and the USACE. This experience is directly applicable to the permitting framework anticipated for Stormwater Pump Station #16.

GFT's permitting approach emphasizes early identification of regulatory requirements and proactive coordination with reviewing agencies, integrating permitting considerations into alternatives analysis, Basis of Design development, and phased design deliverables. This strategy reduces redesign risk, streamlines agency review, and supports timely issuance of permits for complex, multi-agency projects.

On **Broward County stormwater and pump station projects**, GFT has successfully delivered infrastructure subject to SFWMD Environmental Resource Permits (ERPs), local building permits, County environmental approvals, and FDOT permits, often within constrained rights-of-way and under accelerated schedules. These projects required close coordination to address tidal backwater effects, outfall velocity limitations, water quality treatment requirements, floodplain compliance, and resiliency criteria.

Figure C-3. Permitting Process. GFT has the knowledge and experience to guide the City of Hollywood through the various stages of the regulatory and permitting process.

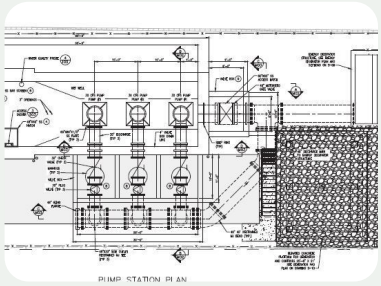
GFT has also supported **City of Hollywood infrastructure projects, including stormwater-adjacent and utility improvements along SR A1A**, where compliance with FDOT standards, City requirements, and overlapping County and State permits was critical to successful delivery. This experience provides GFT with familiarity with City processes and review expectations, reducing ramp-up time and permitting risk.

For coastal and tidally influenced facilities, GFT has led permitting coordination involving FDEP and USACE, including preparation of permit applications and supporting technical documentation, participation in pre-application meetings, and responses to agency Requests for Information (RFIs) related to outfalls, discharge structures, and work near navigable waters.

By combining in-house multidisciplinary engineering expertise with a structured, Florida-specific permitting strategy, GFT consistently delivers permit-ready, regulator-aligned designs that support efficient approvals and protect project schedules. This proven approach positions GFT to effectively manage the multi-agency permitting requirements anticipated for Stormwater Pump Station #16 and to support the City of Hollywood CRA's resiliency and compliance objectives.

- **Lake Belmar Stormwater Pump Station,** *Miami-Dade County:* Permitting coordination for a coastal discharge into Biscayne Bay, including environmental resource permitting and agency coordination.
- **Alton Road Stormwater Improvements,** *FDOT.* Compliance with FDOT and Miami-Dade County regulatory requirements for stormwater pump station and outfall design.

SPOTLIGHT PROJECT



Lake Belmar Stormwater Pump Station

For the Miami Dade DTPW, the team is designing the Lake Belmar Stormwater pump station within a coastal neighborhood in North Miami to provide pumping capacity to alleviate current and future stormwater runoff. We are taking into consideration pre-treatment measures to mitigate nutrient loading into Biscayne Bay, providing a less intrusive deign to be aesthetically in line with its surroundings, incorporate by design hardening materials and increase elevation to protect electrical and I&C equipment. We are coordinating with Florida Power & Light (FPL) and DTPW closely to maintain facility function and meet O&M requirements. The site also presents challenges due to the constraint space where this facility will be located.

Construction Administration and Bid Phase Support

GFT supports infrastructure projects through bidding and construction with a focus on constructability, risk management, and quality. Services include: bid assistance and addenda preparation, shop drawing and submittal review, field observations and coordination, change order and payment application review, and project closeout documentation.

- **Master Pump Station 300,** *Broward County:* Engineering services during construction supporting successful delivery of a critical regional facility.

Congested Rights-of-Way and Urban Corridors

GFT has extensive experience delivering stormwater pump stations and utility infrastructure within congested rights-of-way and dense coastal urban corridors, including multiple projects located within FDOT right-of-way along SR A1A in the City of Hollywood. These corridors are characterized by high traffic volumes, limited staging areas, active utilities, pedestrian and bicycle activity, and proximity to residential and commercial properties, conditions directly comparable to those anticipated for Stormwater Pump Station #16 between Jackson Street and Jefferson Street.

Our experience includes the development and implementation of Maintenance of Traffic (MOT) plans in accordance with FDOT standards and City of Hollywood requirements, coordinated with stormwater infrastructure installation, pump station construction, and utility relocations. GFT's MOT experience encompasses phased construction, lane closures and shifts, pedestrian and bicycle detours, emergency access maintenance, and coordination with FDOT District staff to satisfy permitting and operational constraints along SR A1A.

GFT provided construction management services for two stormwater pump stations at **Nassau County DPW's South Shore Water Reclamation Facility**, including an 8.4-mgd station in the north catchment and a 38-mgd station in the south catchment. The project enhanced flood protection within the facility's flood wall and berm system by mitigating tidal backflow and improving stormwater collection and conveyance. Work included installation of new pumping equipment, interim pumping systems, electrical and control infrastructure, and dedicated SCADA systems to support reliable operations.

GFT has also supported utility relocation and coordination for roadway and stormwater projects within FDOT right-of-way, including relocation and protection of water mains, sewer force mains, reclaimed water lines, and associated appurtenances. These projects required detailed construction sequencing to maintain utility service while accommodating excavation, pump station construction, outfall installation, and roadway restoration. Our familiarity with FDOT permitting processes, Broward County environmental requirements, and City of Hollywood coordination protocols allows us to address right-of-way, utility, and traffic constraints efficiently.

Within the CRA Beach District, GFT has supported projects addressing chronic flooding, daylight flooding, and tidal influence conditions that mirror those driving the need for Pump Station #16. We understand the need to coordinate new facilities with pump stations currently under construction or in permitting and to integrate improvements into an active, evolving stormwater system.

Across these assignments, GFT has delivered projects without terminations for cause or unresolved claims, demonstrating consistent performance in schedule control, regulatory compliance, and coordination with FDOT, municipal agencies, utilities, and the public.

Successful Public-Sector Project Performance

GFT has a record of completing municipal and county infrastructure projects without terminations for cause or unresolved claims, demonstrating consistent performance related to schedule, budget, and technical quality.

Capacity and Availability

GFT maintains staffing resources and technical expertise sufficient to support this project alongside current commitments and to meet the CRA's anticipated schedule.

This project is in our backyard, where we live and work, creating a clear investment in its success for the public good.

C.1.1. Years in Business

GFT has provided water resource engineering services throughout Florida since the early 1950's and throughout the U.S. **for 110+ years.** In just the last 10 years, we provided engineering and construction management services on more than 60 water resource projects for Florida clients including the City of Hollywood, Jacksonville Electric Authority (JEA), Tampa Bay Water, City of Tampa, St. Johns River Water Management District (SJRWMD), Broward County Water and Wastewater Services, Broward County Aviation Department, Miami-Dade County

City of Hollywood Utility Infrastructure Projects

GFT is providing design of water transmission, force mains, and reuse main utility relocations for various locations within the **City of Hollywood,** including water, wastewater, and reuse mains conflicting with A1A improvements. The pipelines range in diameter from 6 – to 18-inch.

The design team evaluated alignments, setbacks, pipe materials, valve locations, and maintained continuous coordination with the City and FDOT design consultants.

The permitting scope required of this project includes coordination with the local and state agencies for wastewater and utility construction permits. The primary regulatory agencies that permits were issued from include FDEP, FDOT, and various Broward County departments.

For utility relocation projects involving wastewater infrastructure, a clear understanding of municipal jurisdictional requirements and applicable permits is critical. Familiarity with permit application data requirements allows applications to be prepared accurately and efficiently, reducing review durations and minimizing follow-up comments from permitting agencies.

Water and Sewer, Miami-Dade County Department of Transportation and Public Works and SFWMD.

C.1.2. Years Providing Services

GFT has more than 110 years of experience in stormwater management, flood mitigation, and pump station engineering design services, offering innovative, balanced solutions that extend far beyond traditional infrastructure.

C.2. FIRM INFORMATION

C.2.1. Business Structure

As mentioned, GFT [formerly known as Gannett Fleming, Inc.] is a corporation legally licensed to perform such work (Sunbiz #P26734). Throughout our proposal, we demonstrate how we have successfully completed services, as specified in the Scope of Work/ Services section of this solicitation.

C.2.2. Registered as a Legal Entity in the State of Florida

GFT Infrastructure, Inc. is a registered engineering firm licensed with the state of Florida (License No. 5564; Original License Date: January 23, 1990; Status: Current). We are actively registered with the Florida Department of State, Division of Corporations. Additionally, our team includes individuals who are also licensed to provide engineering services in the State of Florida. Information for current, relevant licenses and registrations are included in staff resumes within Tab D.

C.2.3. Relative Size of Firm

GFT brings more than a century of experience and deep technical expertise, supported by a team of more than 5,500 professionals nationwide, including more than 200 licensed professional engineers in Florida. Our firm includes more than 1,350 managers providing executive leadership and project oversight, and more than 3,260 technical professionals delivering specialized engineering, planning, design, and construction support services. This depth of management and technical staff is further supported by experienced administrative and operational personnel who ensure seamless project delivery. To provide the highest quality of service, our Florida-based team features licensed professionals supported by a multidisciplinary group of highly qualified project management, stormwater, mechanical, instrumentation and control, structural, electrical, modeling, environmental, civil, roadway, traffic, and technical specialists allowing us to scale resources efficiently and respond to assignments of varying size and complexity.

C.2.4. Firm's Address

GFT Infrastructure Inc.'s Fort Lauderdale Office Address is:

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C.3. EXPERIENCE WITH SCOPE OF WORK/SERVICES

C.3.1. Stormwater Design and Management

GFT brings more than five decades of experience planning, designing, permitting, and delivering stormwater infrastructure for coastal and urban environments, including extensive work for municipalities throughout Florida. Our stormwater practice is grounded in addressing real-world challenges such as tidal influence, low-lying topography, constrained rights-of-way, and regulatory complexity conditions that directly reflect the CRA/ City's goals for Stormwater Pump Station #16 along SR A1A.

Our experience includes the design and rehabilitation of stormwater pump stations, outfalls, conveyance systems, and supporting infrastructure in barrier island

and coastal settings subject to daylight flooding, sea level rise, and storm surge. We routinely integrate hydrologic, hydraulic, and water quality analyses to confirm system performance under existing and future conditions, consistent with the City's Stormwater Master Plan, Basis of Design Reports, and CRA objectives to reduce flooding impacts to residents, businesses, and transportation corridors.

GFT's stormwater work for the City of Hollywood and similar coastal municipalities demonstrates a strong understanding of the cumulative nature of stormwater systems along SR A1A, where multiple pump stations, drainage basins, and outfalls must operate cohesively. Our experience supporting projects within the CRA Beach District and along FDOT corridors positions us to understand how Pump Station #16 must integrate with pump stations currently under construction or in permitting, while maintaining consistency with City and FDOT design standards.

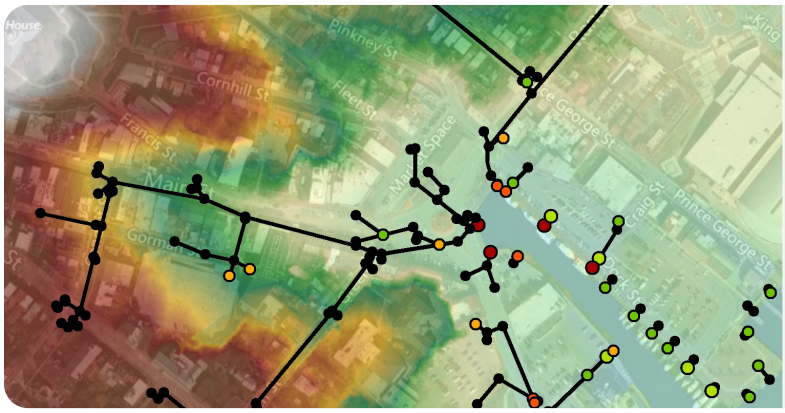
Regulatory coordination is a core strength of GFT's stormwater practice. We have extensive experience securing permits and agency approvals from the FDEP, SFWMD, Broward County Environmental Protection and Growth Management Department, USACE, and FDOT. Our familiarity with ERP, coastal and floodplain regulations, wetland and outfall permitting, and interagency coordination allows us to anticipate permitting challenges early and support efficient project delivery without unnecessary delays.

GFT's stormwater expertise extends beyond design to include construction administration and long-term system performance considerations. We routinely support municipalities during construction through technical reviews, responses to field conditions, coordination with contractors and agencies, and verification that constructed facilities meet design intent and regulatory requirements. This continuity from design through construction supports the City's objective of delivering durable, maintainable stormwater infrastructure that performs reliably over its service life.

Across our stormwater portfolio, GFT has consistently delivered projects on schedule and within budget, without terminations for cause or unresolved claims. This record reflects our ability to manage complex technical, regulatory, and stakeholder requirements while delivering stormwater solutions that are resilient, constructible, and tailored to the needs of coastal communities such as the City of Hollywood.

C.3.2. Drainage and Stormwater Modeling

GFT has extensive experience performing stormwater and drainage modeling for coastal and urban environments like the SR A1A corridor, where system performance is influenced by low elevations, tidal tailwater conditions, and interconnected drainage basins. Our work routinely includes reviewing and applying Stormwater Master Plans, BODRs, and agency-prepared hydraulic studies to validate assumptions, refine design criteria, and confirm levels of service. This experience aligns with the Pump Station #16 project, where we will evaluate the existing stormwater models and hydraulic data to support pump station sizing, location alternatives, and system integration. GFT's modeling expertise supports informed decision-making regarding conveyance capacity, storage limitations, and levated tides and sea level rise, making sure stormwater pump station



USACE Flood Modeling and Stormwater Analysis.
GFT was tasked by the USACE Baltimore District to provide floodplain and stormwater management services across the Mid-Atlantic. One task involved collecting and modeling stormwater systems for three Pennsylvania communities using XPStorm to identify effective flood risk reduction measures for each study area.

designs are compatible with adjacent systems along SR A1A and responsive to the chronic flooding conditions identified by the City.

C.3.3. Flood Vulnerability/Resiliency

GFT is positioned to support your critical infrastructure, and help protect it from future disasters. Disaster preparedness and resiliency is at the core of our enterprise. We work with local, state, and federal clients to prepare for future emergencies, respond in a timely manner when they occur, and support the recovery needs for expedited design and reconstruction of damaged infrastructure.

Flood Mitigation Measures included New Flood Water Gates at the Sludge Dewatering Facility, Superstorm Sandy Repair, *Nassau County DPW.*

Flood Mitigation Measures at Four Sewage Pump Stations, *Nassau County DPW.*

Flood Wall Restoration, Mitigation/Resiliency, Long Island City Rail Yard, Superstorm Sandy, *NY MTA.*

Clearview Pump Station Reconstruction, *New York City DEP.*
Following severe flooding that rendered the station inoperable, GFT is providing construction management services to reconstruct the pump station and restore 10 mgd of reliable pumping capacity. The project maintains continuous service through interim pumping while delivering a flood-resilient facility with new mechanical, electrical, and control systems.

Roslyn Village, Morgan Park, and Shore Road Pump Stations, Flood Mitigation, *Nassau County DPW.*
GFT provided construction management for flood mitigation improvements at the Pump Stations to strengthen resilience during severe storms. Provided floodproofing critical equipment, structural and mechanical upgrades, and protections to the design flood elevation, while maintaining continuous pump station operations through staging and coordination.

The GFT team has the capabilities, experience, and certified expertise to assist you with your toughest challenges.

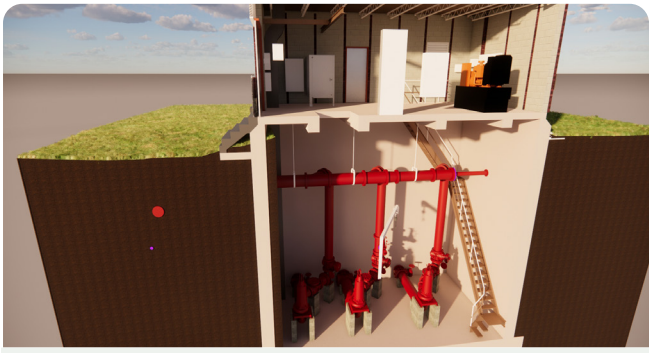
C.3.4. Revit Building Information Modeling (BIM) Capabilities

GFT continuously seeks opportunities to develop innovative approaches to meet our client's needs and to improve the process of design and construction of facilities. As a result of our proactive approach to improving engineering processes to better serve our clients, our firm has been at the forefront of the use of BIM in the design of facilities. GFT has been using BIM to eliminate conflicts, and enhance collaboration, cost estimating, and design coordination. We also use AutoCAD Civil 3D software to prepare our sewer plan and profiles and model site grading and below-grade features, such as yard piping and other site-specific features allowing us to identify interferences and coordinate construction more efficiently.

The BIM model allows project stakeholders to view the facility design through a 3D computer model throughout the design development process. The 3D model enables reviewers to understand the design concept quickly and easily; envision how the facility will be used; and comment on modifications, revisions, and/or areas for discussion. The BIM design review products save time by allowing the owner's staff to quickly understand the design and efficiently provide review comments.

Our experience in developing BIM designs enables us to develop our designs efficiently, saving time over traditional methods. BIM is a more efficient design process which can result in project cost savings. It improves the efficiency and accuracy of engineers' opinion of probable cost aiding in more accurate and competitive construction bids, and should result in fewer change orders, providing potential cost savings for our clients. BIM models also guide the public and community to best visualize and understand the project in more layman's terms.

In addition, the information in the model can be used in the development of and incorporated into the operation and maintenance manuals traditionally prepared for use by the operating staff. We can also link the BIM model with databases and software programs used for maintenance scheduling and it can also be used by the owner and operations staff when troubleshooting problems. Our use of BIM promotes team collaboration and continuity through design visualization workshops into construction coordination drawings. BIM allows our team to first build the project virtually, leading to enhanced safety, quality, and schedule. Above all, BIM leads to improved coordination and collaboration among the team – helping deliver an exceptional finished project.



Colley Avenue Pump Station Pump Replacement, *Hampton Roads Sanitation District (HRSD)*. GFT delivered analysis, design, and construction for the Colley Avenue Pump Station replacement, including pump upgrades, architectural enhancements, and a 3D scan of the electrical room, dry well, and wet well to support rehabilitation design.

Larchmont Area Sanitary Sewer Pump Stations, *HRSD*. GFT provided design and construction services for 5 new pump stations, gravity sewer lines, and force mains addressing aging infrastructure related to structural, electrical, and pump performance and mitigated the risks from tidal flooding and sea level rise.

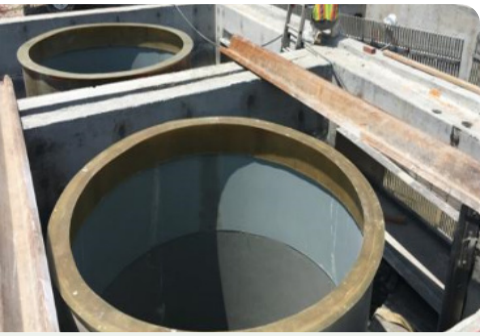
Table C-1: Additional Stormwater Pump Station Experience. GFT stormwater pump station experience highlighting multidisciplinary design, constructability, and resilience-driven solutions for complex drainage systems.

Facility	Location	Capacity (cfs)	Description	Owner
S-356 New Flood Control Pump Station	Florida	1000	Providing engineer services for computational fluid modeling and physical modeling of the S-356E pumping station and S-334E gated spillway. This facility is in the planning phase and will move forward through design in future phases.	USACE
Alton Road Stormwater Pump Station	Miami, FL	60	Under the FDOT General Consultant Engineering Services contract, the GFT team is providing full drainage design and engineering services for the reconstruction of Alton Road from Michigan Avenue to the Biscayne Waterway Bridge, including roadway resurfacing and spot reconstruction along SR 907, SR 907A, and SR 112. The work includes design of a new stormwater pump station with BMPs, pumps, and outfall infrastructure, along with storm drain and drainage well analysis, permitting support, and full multidisciplinary design through 100% completion in compliance with Miami-Dade County requirements.	FDOT, District 6
S-27 Forward Flow Pump Station	Miami, FL	1500	As part of the systemwide regional water management infrastructure review determining the existing flood protection level of service (FPLOS) with consideration to future conditions including sea level rise (SLR) projections throughout South Florida, the South Florida Water Management District has embarked on implementation of a series of improvements including S-27 Gate Structure. The S-27 forward flow pump station and gate improvements project consists of design of a new pump station to convey a nominal flow of 1,500 CFS via three intake bays; each intake bay equipped with debris removal system to protect the pumps from damage. Each pump driver consists of 650 horsepower outdoor rated electric motors. Necessary facilities to support pump station and gate structure operations include a new Generator/Control Building and onsite Fuel Farm for above grade fuel storage. Two diesel powered emergency generators (redundant second generator) shall provide uninterrupted power to the facility for seven days continuous operation. Each generator was sized to run a maximum of three pumps. Structural improvements and rehabilitation the existing S-27 flood control gate structure designed including the replacement of vertical lift gates with stainless steel type 316L/316 gates is included in this project. The entire site will be elevated to address resiliency considerations. Hardening feature for protection of critical assets are also embedded into the design. Scope of services include field investigations, CFD modeling, physical modeling, project management, multidisciplinary design including site civil, mechanical, architectural, structural, geotechnical, electrical, instrumentations and control.	South Florida Water Management District
Lake Belmar Stormwater Pump Station	Miami, FL	100	The project consists of design of a new 100 cfs stormwater pump station with configuration of three submersible pumps with the provisions for expanding to four, new wetwell structure, electrical improvements, standby power generation facility, SCADA, sea level rise consideration, water quality pretreatment system evaluation. The Scope of services include project management, multidisciplinary design including site civil, mechanical, architectural, structural, geotechnical, electrical, instrumentations and control.	Miami-Dade County DTPW
Cedar Point Lake Stormwater Pump Station	Nassau County, NY	57.9	Provided professional services for preliminary design, design, engineering services during construction. Design to comply with hardening and flood mitigation features. Scope included removal of existing floating pumping system. New 8-foot diameter precast concrete pumping system consisting of four submersible stormwater pumps . Install new aluminum floor plates. Replace inlet screens. Replace float controls. New flood wall at door. New paved access road from Underhill Boulevard to the pump station. New electric service, site lighting, and telemetry system. Inspect and repair sluice gates. Replace handrail, grating, and access ladder. Design services during construction services, including shop drawing review, requests for information review, and site visits during construction.	Nassau County Department of |Public Works
BMP-37 Improvements	Westchester County, NY	12.9	Project involved the repair and upgrade to BMP-37, which controls stormwater runoff that enters the Kensico Reservoir. A major design element was for the temporary bypass pumping system required for stormwater diversion during construction. This required permits from both the USACE and NYSDEC. Design considerations for the temporary bypass pumping system included the following: 1. Temporary power and other utilities. 2. A control system capable of sending calls or text messages. 3. Noise control because the site is in a residential area. 4. Utilize siphons to reduce noise and fuel consumption. 5. Control of settled sediments to assure they are not re-suspended and discharged to the reservoir. The bypass pumping system ran 24 hours a day when precipitation greater than 1.0 inches is predicted within a 24-hour period. There were two areas that required by-pass pumping. One area, the box culvert bypass required one system with a minimum capacity of 5,800 gallons per minute (gpm). The other area main detention basin bypass required two systems with minimum capacities of 1,000 gpm and 5,800 gpm.	New York City Department of Environmental Protection

Facility	Location	Capacity (cfs)	Description	Owner
Long Island City Yard Restoration and Resiliency Project	Queens, NY	21.8	Project is in a train yard located next to the East River in Queens, New York and involves the design a flood wall and gate system to protect the yard. When a disastrous storm event is predicted, the LIRR/MTA will relocate trains to the yard and close the flood gates. The design included a stormwater collection system and three pump stations in the yard. This system collects and discharges from the yard the infiltration from under the wall and the rain that is falling onto the yard. Infiltration rates are based on the storm surge and high-water levels that are outside the wall. Each pump station is designed with a lead and lag pump. Minimum pump capacities are 4,600 gpm, 3,300 gpm and 1,870 gpm.	Long Island Railroad/ Metropolitan Transportation Authority
Trails End Stormwater Pump Station	Broward County, FL	124	Stormwater pump station project at Fort Lauderdale-Hollywood International Airport (FLL) with evaluation of pump station configuration options, utility investigation, and design.	Broward County
South Shore Water Reclamation Facility Stormwater Pump Stations	Nassau County, New York	8.4 mgd / 38 mgd	Construction Management services for construction of two stormwater pumping stations within perimeter flood wall/berm; included interim pumping, new pumps, electrical/control, MCC and SCADA.	Nassau County Department of Public Works
SR-46/BNSF Underpass Stormwater Pump Station	Kern County, CA	TBD	New stormwater pumping station constructed to remove runoff from a depressed and widened SR-46 roadway at the BNSF underpass. Included pump station sizing, storage box, pumps, control house, and resiliency upgrades as part of a major roadway and rail infrastructure project.	California Department of Transportation
IH-10 at Beltway 8 Stormwater Pump Stations	Harris County, TX	40,000 gpm / 100,000 gpm	Design of two stormwater pump stations to dewater a detention basin and pump depressed roadway drainage as part of a five-level interchange project. Work included drainage studies, hydraulic modeling, and coordination with USACE and Harris County Flood Control District.	Harris County
Roslyn Village, Morgan Park, and Shore Road Stormwater Pump Stations	Glen Cove & Roslyn, NY	TBD	Construction management services for flood mitigation and stormwater pump station hardening, including flood proofing, pump replacements, structural protection, and maintaining continuous operations during construction. Management	Nassau County Department of Public Works
59th Street Pump Station	Galveston, TX	20,000 gpm	Design of a new 20,000 gpm stormwater pump station to replace the existing 59th Street facility, serving as the City's fail-safe during hurricanes and storm surge events. The vertically expanded, flood-resilient facility was designed within a constrained footprint, elevated above the 500-year flood level, and hardened to withstand Category 5 hurricane conditions. Services included full design and construction-phase support, emergency power systems, and coordination with FEMA HMGP, HUD CDBG-DR, and FEMA PA funding requirements for this critical coastal infrastructure.	City of Galveston
Airport Water Plant Expansion:	Galveston, TX	15,000 gpm	Design of an expanded pump station and associated facilities at the Airport Water Plant to increase pumping capacity to 15,000 GPM while maintaining continuous operation of the existing station. The project included a new elevated pump building and electrical room with two vertical turbine pumps, variable speed drives, a new MCC, and a flow-paced chemical feed system, as well as a new 3 MG ground storage tank increasing total storage to 6 MG. The hardened facility was designed to withstand Category 3 hurricane wind speeds and a 100-year storm surge with wave action, with additional design services provided to replace the existing pump station structure when rehabilitation was determined infeasible.	City of Galveston
Hempstead Road Stormwater Pump Station	Houston, TX		Design of a stormwater pump station as part of a complex transportation improvement project near IH-10 and Loop 610 within a highly constrained urban corridor. The project included hydrologic analysis, sizing of over 3,600 LF of concrete box culverts, and detailed design of the pump station wet well, discharge channel, pumps, and mechanical screening system. The station features innovative submersible pumps with integrated discharge columns, a solids-handling sump for grit removal, and a mechanical screen system conveying debris to grade for disposal.	Texas Department of Transportation, Houston District
SH 249 Regional Pump Station:	Harris County, TX	24 mgd	Design and final specifications for a large-scale utility facility including site civil works, water pump station, chemical feed systems, and a 24 mgd stormwater pump station. The project also included two 12.5-mgground storage tanks, storm drainage systems, detention facilities, integrated pump controls, and distributed generation power supply, with coordination and approvals from the City of Houston, Harris County Engineering, and the Harris County Flood Control District.	North Harris County Regional Water Authority
Water and Sewer Main Extension Engineering Design Services - Valley Lane Sewage Pump Station Improvements	Howard County, MD		Comprehensive evaluation and development of recommendations to address continued settling and restore normal access to the 100-gpm, 1984 developer-constructed sewage pump station. GFT evaluated assets and various alternatives to resolve the issues, including completing a topographic survey and preparing a grading plan to address the localized stormwater drainage issue. Provided quality and coordination review on sanitary sewer stabilization at stream crossing near Stonebrook Lane and Billingsgate Row and utility stabilization at stream crossing near Basket Ring Road and Watchlight Court. Design included the removal of the existing building, regrading the site, SCADA, MOT, bypass pumping, installing a retaining wall, and relocating electrical services to a weatherproof cabinet. This approach improved access to the wet well and allowed surface runoff to drain away from the wet well and concrete slab, which will help to prevent further settling.	Howard County

Trails End Stormwater Pump Station

Broward County Aviation Department (BCAD), Broward County, FL



RELEVANT FEATURES:

- Project Management & Coordination
- CFD Modeling
- Pump Station Design
- Site Investigation
- Data Collection
- Civil/Site Design
- Alternatives Evaluation
- Survey Services
- BOD Report Preparation
- Regulatory Coordination
- Permitting
- Structural Design
- Mechanical Design
- Electrical and I&C Design

KEY STAFF:

Yurfa Glenny
Lillian Marrero
Marylin Hadidian
Jose Abinazar
Yalda Sharafi

COMPLETION DATES:

2024-2027

For this Task Order, BCAD issued an Amendment adding additional scope of services, budget and extended the project schedule. To date, project is on schedule and within budget requirements

As part of an On-Call contract, BCAD has engaged GFT to provide comprehensive professional engineering and topographical and bathymetric surveying services for the Trails End Stormwater Pump Station project at FLL. This project is a key element of BCAD's Stormwater Master Plan and Capital Improvements Program, intended to improve stormwater system performance, enhance flood protection, and maintain regulatory compliance under existing and future extreme rainfall and tidal conditions.

The project focuses on the planning and design of a new stormwater pump station of approximately 126 cubic feet per second (cfs) and located within the southwest corner of the approximately 9-acre Trails End Parcel. The location is limited due to an existing embankment providing a physical barrier with a residential area. There are two outfall 48-inch and 84-inch diameter pipes, which currently discharge to a tidally influenced drainage ditch connected to the Dania Cutoff Canal via gravity. Once complete, the pump station will improve evacuation of stormwater flows at a faster rate than via gravity via the existing 48-inch outfall. The improvements are designed to mitigate reduced discharge capacity during high tide and seasonal king tide conditions while ensuring that existing permitted peak discharge rates are not exceeded.

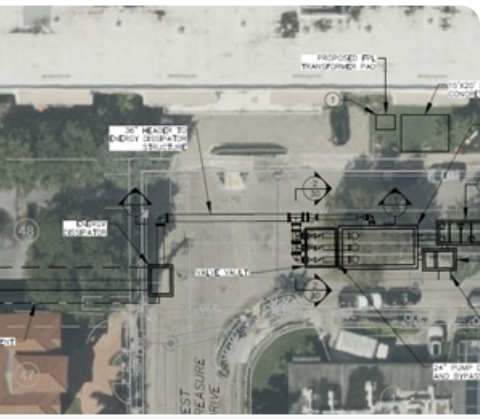
Services include topographic, boundary, bathymetric and utility surveying; geotechnical investigations; hydrologic and hydraulic modeling; evaluation of pump and pretreatment technologies; and development of conceptual layout alternatives. Deliverables consist of a BODR followed by preliminary, intermediate, and final design documents, culminating in bid-ready plans and specifications.

The design effort incorporates multidisciplinary engineering, including civil, structural, mechanical, electrical, and I&C considerations, with coordination among BCAD, regulatory agencies, and subconsultants. In design, hardening features were considered for the resiliency the station inclusive of sea level rise and storm surge. Regulatory and permitting support is being provided for approvals from Broward County, SFWMD, FDEP, and the USACE, including preparation of permit applications and responses to agency comments.

Through this work, GFT is supporting BCAD's long-term stormwater resilience strategy at FLL by delivering a constructible, adaptable pump station design that enhances system connectivity, increases operational reliability, and improves flood protection for critical airport infrastructure.

Treasure Island Stormwater Pump Station

North Bay Village (NBV)/EXP, Inc, Miami, FL



RELEVANT FEATURES:

- Stormwater Pump Station Design Services
- CFD Modeling
- Process Mechanical Design
- Electrical and I&C Design
- Cost Estimating
- Stakeholder Coordination Support

KEY STAFF:

Yurfa Glenny
Lillian Marrero
Jose Abinazar
Brian Seip
Kevin Smith

COMPLETION DATES:

12/2024 - Ongoing
To date, project has been completed within time and budget requirements.

GFT is supporting EXP, Inc. with the process mechanical, electrical, and I&C design for a new 65 cfs stormwater pump station in NBV as part of the Treasure Island Drainage Improvements – Phase I project. This critical infrastructure is designed to enhance stormwater conveyance and improve flood resilience for the neighborhood. The stormwater pump station, to be constructed below grade near the intersection of North Treasure Drive and West Treasure Drive, will form the cornerstone of the City's Phase I drainage upgrades.

The system design integrates advanced water quality pretreatment through a diversion weir and hydrodynamic separator, ensuring the capture of trash, oil, and sediments during first-flush storm events. During higher-intensity rainfall events, flow will overtop the weir to maintain conveyance capacity while the primary station directs flow to its outfall via an energy dissipation structure.

GFT is responsible for the full process mechanical layout, pump and outfall hydraulic calculations, and equipment sizing. The electrical scope includes site-wide service coordination, lighting, grounding, one-line diagrams, and panel schedules. For instrumentation and controls, P&IDs were developed in collaboration with EXP and NBV to identify control system requirements that integrate with the municipality's broader stormwater network.

Our team led the coordination with Florida Power and Light (FPL) to facilitate power feed planning and supported cost estimating efforts for overall project cost. Internal QA/QC procedures were applied at each design milestone, preliminary, intermediate, and final, to maintain discipline-specific accuracy and consistency across submittals.

This project reflects GFT's specialized capabilities in pump station systems, municipal coordination, and integrated multidisciplinary design delivery. It underscores our value as a reliable partner for complex, resilient, and environmentally responsible stormwater infrastructure across Florida's coastal communities.

General Engineering Consultant (GEC) Services - TWO 30: Alton Road Drainage Improvements

FDOT - District 6, Miami, FL

RELEVANT FEATURES:

- Hydraulic Modeling
- Drainage Analysis
- Permitting
- Stakeholder Coordination
- Reviews of Stormwater Infrastructure Designs

KEY STAFF:

Brian Seip
Alina Fernandez

COMPLETION DATES:

2021-Ongoing
To date, TWO 30: Alton Rd was extended by FDOT to address additional drainage analysis, design, and plans. It continues to be been is on time and within budget requirements.

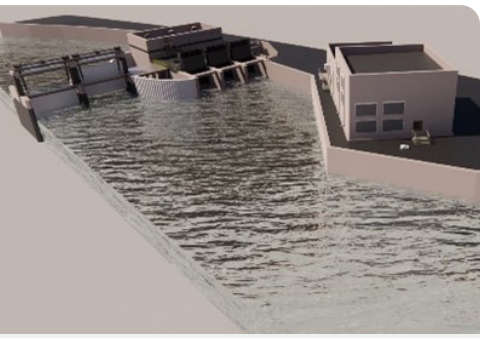
The GFT team, under the GEC Services for FDOT, is providing professional services for the drainage improvements associated with the reconstruction of Alton Road from Michigan Avenue to the bridge over Biscayne Waterway (Bridge #870710).

Scope includes evaluation of project requirements for the milling and resurfacing of SR 907 and SR 907A from the bridge over the Biscayne Waterway to 43rd Street, and spot reconstruction along SR 907A and SR 112. Designs will be inclusive of electrical, instrumentation, process mechanical, and site civil design services through the 100% phase completion.

A need was identified for a new stormwater pump station providing drainage design services for the Alton Road project from Michigan Avenue to 41st Street, including the design of two drainage pumps, inclusive of Best Management Practices (BMPs) as pretreatment, outfall piping and structure, and ancillaries required for a functional facility. This drainage and pump station design will comply with the latest Miami Dade County Department of Regulatory and Economic Resources (DRER) Water Control Section and Coastal Resources Section permit criteria for maximum allowable outfall velocities, outlet erosion protection, sediment and turbidity control and environmental coastal resources permit requirements. The project also includes project management and coordination, storm drain analysis and design, drainage well analysis and design, preparation of contract documents, permitting support.

S-27 Forward Pump Station and Gate Structure Improvements Preliminary Design

SFWMD, West Palm Beach, FL



RELEVANT FEATURES:

- Project Management & Coordination
- Preliminary Design
- CFD Modeling
- Pump Station Design
- Site Investigation
- Data Collection
- Civil/Site Design
- Alternatives Evaluation
- Surveying
- BOD Report Preparation
- Regulatory Coordination
- Permitting
- Structural Design
- Process Mechanical Design
- Electrical and I&C Design

KEY STAFF:

Yurfa Glenny
Lillian Marrero
Jose Abinaza

COMPLETION DATES:

9/2021 - 12/2024

SFWMD expanded the initial scope of work, adding additional scope to evaluate pump configuration, layout, and provide FCD modeling for running scenarios. The project kept on schedule and within the budget requirements.

The S-27 Forward Pump Station and Gate Structure Improvements Project improves FPLOS and forward flow capacity to Biscayne Bay via the C-7 Canal under future sea level rise (SLR) conditions. GFT developed preliminary design for the new S-27 Flood Control Pump Station and supporting infrastructure, incorporating SLR projections and storm design elevations within a constrained urban setting in Miami-Dade County.

The pump station was designed for 1,500 cfs with three intake bays in service, with the intake bays and pumps conveying 500 cfs each from the C-7 Canal. A USACE Type 10 Formed Suction Intake (FSI) was proposed to reduce submergence, minimize excavation, and optimize hydraulics. Screens and front-raking mechanisms are provided upstream of the pumps at the intake bays for debris management and pump protection. The layout includes provisions to maintain constant head, prevent backflow, and support unmanned operation with remote control capability.

Preliminary design of the Generator and Control Building included emergency generators and ancillary electrical equipment, with dedicated Generator, Electrical, IT, and Control Rooms. Two generators were provided to power four 650-hp pump motors, sized to operate a maximum of three pumps.

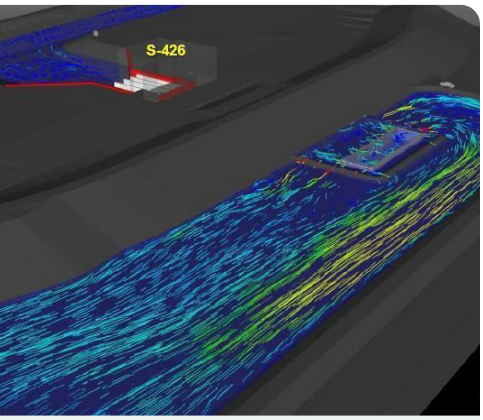
Professional services included initial geotechnical investigations, topographic surveys, and hydraulics and hydrology (H&H) modeling to optimize site layout and minimize canal erosion. Preliminary design efforts also included pump and screen technology evaluations, assessment of the existing flood control gate structure, development of draft operational criteria, and preparation of preliminary construction cost estimates and schedules.

GFT prepared a design documentation report summarizing design criteria, key assumptions, calculations, and engineering analyses, along with preliminary plans for key project elements.

Existing S-27 Gate Structure and Proposed S-27 Pump Station and Gate Structure 3D Model. We worked closely with SFWMD so constructability and sequencing of the work was planned early into the design so that the facilities would be functional during and after construction. The location is urban and is bounded by a residential area and critical railroad line.

Restoration and Operations and Maintenance, Repair, Replacement, and Rehabilitation Projects

SFWMD, Various Locations, FL



RELEVANT FEATURES:

- Program Management
- Drainage
- Stakeholder Communication
- Funding Assistance
- Community Outreach/ Engagement

KEY STAFF:

Brian Seip
Eric Frackenberry

COMPLETION DATES:

1/2020 - 12/2025
Various Task Order projects were completed within time and budget requirements.

The District operates and maintains an extensive regional water management system that includes approximately 2,600 miles of canals and levees, 1,300 water control structures, and 64 pump stations across 16 counties in central and southern Florida. Through its Everglades Restoration and Capital Projects (ERCP) Resource Area, the District plans, designs, and delivers major restoration and capital improvement projects under programs such as the Comprehensive Everglades Restoration Plan (CERP), the Lake Okeechobee Protection Plan, and other regional initiatives.

Since 2018, GFT and Dewberry, as a joint venture (JV), have supported the District under an Indefinite Delivery/Indefinite Quantity (IDIQ) contract, providing engineering and technical support, civil and structural design, engineering during construction, and project management services. The following summaries highlight representative task orders completed under the IDIQ contract.

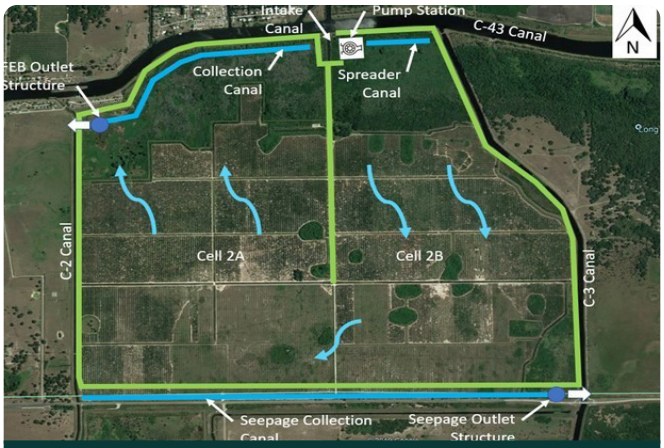
S-426 Pumping Station, Labelle, FL

Under this IDIQ contract, GFT's JV team was tasked by the USACE Jacksonville District to perform 3D computational fluid dynamics (CFD) modeling and analysis, develop a physical model, and prepare a report documenting modeling assumptions for the Indian River Lagoon South C-23/24 North Reservoir, Pumping Station S-426 project in St. Lucie County, Florida. The CFD and physical modeling were performed to verify the USACE pump station design and provide technical recommendations supporting stable, non-damaging flow conditions within the intake canal and siphon discharge to the reservoir. SFWMD, as project sponsor, played a key role in the review and design approval process and will assume operation upon project completion.

GFT developed a 3D CFD model for the new 650-cfs, four-bay pump station with suction bell intakes, designed to convey water from an existing canal to a new storage reservoir for flood control and environmental benefits. The JV prepared supporting technical reports and presentations and coordinated closely with SFWMD. Due to the complexity of the modeling effort and concurrent USACE design refinements, bi-weekly coordination meetings were held with the JV, USACE, and SFWMD.

During these meetings, modeling results were reviewed and design revisions were collaboratively evaluated. The CFD and physical modeling directly informed final design refinements, including adjustments to pump settings and the incorporation of fillets and splitters, horizontal vortex suppression pipes, and split curtain walls within the pump intake bays.

S-426 Pump Station Physical Model. The purpose of the CFD and physical modeling and analysis was to verify USACE's current pump station design and provide comprehensive, complex technical support and design recommendations.



BOMA FEB. The JV conducted a comprehensive engineering study and preliminary design, evaluating six alternatives based on criteria such as storage capacity, water quality benefits, support for minimum flow levels, cost, and operational considerations.

BOMA Flow Equalization Basin (FEB) Design, Glades County, FL

GFT is leading the design of the Boma Flow Equalization Basin (FEB), a critical project supporting water quality improvement and restoration of the Caloosahatchee River Watershed. The FEB will provide approximately 7,100 acre-feet of storage across 1,800 acres, allowing retention of freshwater during high-flow events. Major features include earthen embankments with vegetated benches, a 200-cfs inflow pump station, a gated outflow structure returning treated water to the Caloosahatchee River, and a public access trail.

The JV completed a comprehensive alternatives analysis and preliminary design, evaluating storage efficiency, water quality benefits, operational considerations, and cost. The selected alternative, a single-cell impoundment with perimeter and interior finger embankments, was advanced based on optimized storage and treatment performance. Preliminary design services included geotechnical investigations, surveys, hydrologic and hydraulic modeling, embankment stability and seepage analyses, pump station and control structure design, operational criteria development, and cost estimating. Design assumptions and calculations were documented in a Design Documentation Report (DDR).

Additional Relevant Projects Completed Under the IDIQ Contract:

C-51 Reservoir Study, Palm Beach County, FL

GFT completed the C-51 Phase II Reservoir Study to evaluate mitigation of saltwater intrusion through modified water routing and increased upstream water levels. Integrated surface water and groundwater modeling was used to assess feasibility, infrastructure needs, and preliminary cost considerations.

C-43 West Basin Storage Reservoir Construction Support Services, Hendry County, FL

The JV provided construction-phase support for the C-43 West Basin Storage Reservoir, including field inspections, QA/QC oversight, and regulatory coordination. GFT also conducted an Independent External Peer Review (IEPR) of Design Package 4 in accordance with WRDA 2007.

Old Tamiami Trail Removal – Engineering During Construction, Miami-Dade County, FL

The JV served as Engineer of Record and provided Engineering During Construction services for removal of a 5.7-mile segment of the Old Tamiami Trail, including contractor coordination, review of RFIs and submittals, and preparation of record drawings.

TAB D

ORGANIZATIONAL PROFILE AND PROJECT TEAM QUALIFICATIONS

TAB D

ORGANIZATIONAL PROFILE AND PROJECT TEAM QUALIFICATIONS

GFT's local design experience in Florida combined with our national experience designing pump stations for similar clients allows us to deliver high-quality, technically-sound, and cost-effective solutions that align with the CRA/City's design standards and system needs.

D.1. PROFILE OF THE ORGANIZATION

D.1.1. Introduction of the Project Team

The GFT team possesses significant experience with similar projects, a strong local presence, and technically sound knowledge of local permitting and regulatory requirements, and will provide planning, design, permitting, and construction management services to the Community Redevelopment Agency and City.

As shown in our team's resumes and work experience, our personnel bring current and prior stormwater, pump station, and flood mitigation experience and/or have performed similar design, permitting, and construction management services for municipal clients in urban areas.

To fulfill our commitment to the CRA/City and provide the comprehensive services needed to successfully manage this program, we selected four teaming partners with specialized, local experience to compliment our team:

- **AREHNA Engineering, Inc. (MBE)** will provide geotechnical field services/support.
- **Arrow Group Consulting** will provide community outreach and stakeholder engagement support.
- **Compass Point Surveyors, PL** will provide surveying support.
- **InfraMap Corp** will provide SUE and mapping services.

BENEFITS WORKING WITH THE GFT TEAM

- → A seasoned leadership team with a proven track record of successful collaboration with the City of Hollywood
- → Broad and deep resources, including a qualified team of firms with the experience and technical expertise to deliver this project
- → Established local expertise in the City of Hollywood and Broward County, supported by a long history of successful project delivery
- → Highly qualified staff, with a commitment to assigning our most experienced professionals to meet the project's challenges
- → Extensive familiarity with local regulations, built over decades of providing professional services across a wide range of projects in the City of Hollywood and Broward County

D.1.2. Identify Project Team/ Organizational Chart

As illustrated in **Figure D-1, on page 29,** our identified project team is organized according to the RFQ requirements and responds to the City's Stormwater Pump Station project needs. Our leadership team, which includes our Project Principal, Project Manager, and QA/QC Lead team members, offers expertise in stormwater infrastructure and related utility evaluation, design, and construction. They bring a wealth of knowledge and experience with similar local and national clients, and an overall high-level of commitment to each municipal infrastructure project we undertake.

Figure D-1, on page 29, outlines our project team members' roles and reporting structure. Our team meets the minimum requirements outlined in the RFQ and consists of the necessary expertise and disciplines to successfully deliver technically-sound, cost effective, and innovative project management and a solid stormwater pump station project.

Figure D-2, on page 30, outlines the roles and responsibilities of personnel. Together, these figures illustrate how our team members will contribute to the project, in what capacity, and level of involvement.

D.1.3. Resumes

Resumes for key personnel are included at the end of the section and provide descriptions of their relevant experience and qualifications. Additionally, resumes indicate each person's years of experience, demonstrating that everyone has at least five years of experience in their designated professional specialization and shows the percentage of time to be assigned to this project.

D.1.4. Project Team Members

GFT has assembled a project team specifically tailored to the technical, regulatory, and operational demands of the CRA/City's Stormwater Pump Station #16. Each team member was selected based on direct, relevant experience delivering stormwater pump stations, flood mitigation infrastructure, and utility projects in coastal, tidally influenced, and urban environments similar to the project area. The team structure emphasizes clear roles, disciplined coordination, and depth within each technical specialty making sure continuity from alternatives analysis and Basis of Design (BOD) development through final design, permitting, and construction support. By combining seasoned local leadership with discipline-specific experts in hydraulics and hydrology, pump station design, electrical and SCADA systems, permitting, constructability, and construction-phase services, GFT provides a cohesive, highly qualified team capable of delivering resilient, permit-ready, and operationally sound infrastructure solutions for the CRA/City of Hollywood.

D.1.5. Experience and Qualifications

Yurfa Glenny, PMP, ENV SP will serve as **Project Principal and primary point of contact,** providing executive oversight, risk management, and accountability for scope, schedule, budget, and regulatory coordination. Drawing on her prior experience supporting the City of Hollywood's capital programs and major South Florida pump station initiatives, Yurfa will focus on early risk identification, alignment of technical decisions with City objectives, and maintaining consistent communication with City leadership to support informed decision-making throughout design and construction.

Yurfa has more than 25 years of experience and serves as GFT's Vice President and Southeast Region Water Business Line Leader.

Lilian Marrero, PE will serve as **Project Manager,** responsible for day-to-day technical leadership and coordination of the multidisciplinary design team. Lilian will lead the project from alternatives evaluation and BOD development through detailed design, permitting, bidding support, and engineering services during construction. Her role includes managing schedule and deliverables, coordinating with regulatory agencies and FDOT, integrating hydraulic, civil, mechanical, electrical, and controls design, and embedding constructability and resiliency considerations into the pump station design.

Lilian is Project Manager within GFT's Water Business line with more than 14 years of experience and holds her Professional Engineering License in the state of Florida, No. PE92722.

Kyle Logue, PE will serve as the **QA/QC Lead**, providing independent technical review and quality assurance at key milestones. Kyle will oversee compliance with GFT's quality management procedures, review design criteria, calculations, drawings, and specifications, and confirm consistency with applicable codes, standards, and City requirements. His involvement results in technically sound design decisions that are coordinated across disciplines and defensible for permitting and construction.

Kyle has more than 16 years of experience and serves as one of GFT's Vice Presidents and a Principal Project Manager within our Water Business line.

Together, this leadership structure provides the City with a hands-on Project Manager, experienced executive oversight, and independent quality control, scaled appropriately for Pump Station #16 while maintaining the rigor, transparency, and risk management expected for critical stormwater infrastructure in a coastal environment.

Jorge Orozco, PMP will serve as the **Construction Management Lead**, monitoring contractor compliance with approved plans, specifications, permits, and safety requirements; maintaining complete and accurate records; and coordinating activities among the City, contractors, and project stakeholders. Jorge will oversee schedules and budgets, review and negotiate change orders, manage submittals, and participate in job progress meetings. He will perform constructability reviews, monitor construction sequencing and logistics, and support system start-up, testing, and commissioning to ensure the project is delivered in compliance with contract documents, quality standards, and City objectives.

SPOTLIGHT PROJECT -

Miami-Dade County
Stormwater Master Plan

GFT served as an in-house Project Designer for the Master Plan, providing staff augmentation and technical support to the Department of Regulatory and Economic Resources (DRER) and the Water Management Division (WMD). Services included hydrologic basin evaluations, system-wide groundwater and water quality analyses, review of groundwater model scenarios for 2040 through 2100, preparation of data for stormwater model integration, and development of numerical tools to evaluate water quality impacts to Biscayne Bay. GFT also supported vulnerability mapping, flood criteria and water control map updates, bathymetric and mixing analyses, and advanced GIS and data management efforts, directly supporting the County's Stormwater Master Plan update and long-term resilience planning.

"Lilian has been outstanding in her role as Project Manager".

- **Alberto Pisani, Sr. Professional Engineer, previously at Miami-Dade County DTPW**

Figure D-1. **Organizational Chart.** Our project team, led by experienced Project Principal Yurfa Glenny, brings the necessary project management, stormwater, and engineering expertise both locally and nationally to successfully deliver this project for the City.

LEGEND
(AEI) - AREHNA Engineering, Inc.
(AGC) - Arrow Group Consulting
(CPS) - Compass Point Surveyors, PL
(IMC) - InfraMap Corp
Key Personnel and Resume Included

CITY OF Hollywood FLORIDA

Project Principal
Yurfa Glenny, PMP, ENV SP

Construction Management
Jorge Orozco, PMP

Project Manager
Lillian Marrero, PE, ENV SP

QA/QC Lead
Kyle Logue, PE

PROJECT SUPPORT STAFF

Funding
Jack Murphy, ENV SP

Civil Site
Alina Fernandez, PE
John Hogan, PE

Structural
Shawn Elliot, PE
Gary Garbacik, PE, LEED Gr. Assoc.

Process Mechanical
Jose Abinazar, PE, ENV SP
Nick Lewis, PE
Peter Petriccione, PE

I&C
Brian Seip, PE, CxA, CEA, REP, ENV SP
Kevin Smith, PE

Permitting
Carolina Cubides, PE, PMP, ENV SP
Yalda Sharafi, LEED Gr. Assoc.

CFD Modeling
Eric Falkenberry
Seth Thompson, PE

Modeling of Drainage
Denys Avila

Environmental
Marilyn Hadidian, PG

Construction Management Services
Ernesto Marin, FDOT CTQP

Traffic Control Plans
Luis Morgado, PE
Alejandro Uribe

Regulatory Compliance
Edgar Fernandez (AGC)

Surveying
Scott Reid, PSM (CPS)

Geotechnical Exploration
Angela Alba, PE (AEI)

SUE
Andres Garcia (IMC)

Figure D-2. Project Team Member Contribution. The following briefly describes the roles and responsibilities of our Project Principal, Project Manager, key personnel, and the rest of the team and how they will contribute to the project and in what capacity. Each individual contributes to the team's collaborative approach throughout a project's lifespan.

PROJECT PRINCIPAL

- Overall responsibility for project execution and meeting City of Hollywood's expectations
- Provide overall leadership and contract management
- Main point of contact with City of Hollywood
- Monitor project progress
- Coordinate with QA/QC Lead
- Review and approve deliverables, including schedules and budgets
- Review, approve, and submit accurate progress reports and invoices
- Signature authority for contract and modifications
- Approve technical work plans for consistent process and delivery
- Issues subcontract
- Monitor team performance, including subconsultants
- Verify deliverables are aligned with goals and objectives

QA/QC LEAD

- Provide management advice/support to the Project Manager
- QA/QC Lead overseeing the project delivery and quality to make sure that GFT's standards are being adhered to prior to submission

PROJECT MANAGER

- Leverage technical talents of team for the benefit of the project
- Implement Contract PMP
- Responsible for development and execution of specific discipline tasks
- Direct technical staff and subconsultants
- Complete deliverables and prepares progress reports
- Assist Project Principal with project monitoring and controls
- Monitor team performance
- Initiate expenditures and schedule changes
- Approve methods and techniques
- Accept and review subconsultant deliverables

SUPPORT STAFF

- Support leadership and key personnel through the execution of this project
- Perform engineering calculations and develop reports, studies, drawings, and technical specifications
- Secure permits and meet regulatory compliance
- Provide cost estimating, scheduling, and other support services

CONSTRUCTION MANAGEMENT

- Oversee daily construction activities to verify compliance with plans, permits, and City standards.
- Maintain schedule and constructability through field coordination and issue resolution.
- Manage QA/QC and documentation, including RFIs, submittals, inspections, and closeout support.
- Support change evaluation and City decision-making on field issues, cost, and schedule impacts.

KEY PERSONNEL

- Support leadership with discipline-specific guidance and services, as requested
- Guide quality, innovation, best practices, thought leadership, and resource management
- Execute services specific to their discipline
- Perform engineering calculations and develop reports, studies, drawings, and technical specifications
- Secure permits and meet regulatory compliance
- Provide cost estimating, scheduling, and other support services

Lilian Marrero, PE, ENV SP

Project Manager

> YEARS OF EXPERIENCE WITH GFT:
5

> YEARS OF EXPERIENCE WITH OTHER FIRMS:
9

> PERCENTAGE OF TIME DEDICATED TO CONTRACT:
70%

> EDUCATION:
MS, Civil Engineering, Florida International University, 2013

BS, Civil Engineering, Florida International University, 2011

> REGISTRATIONS:
Professional Engineer (PE), FL - No. PE92772

Envision Sustainability Professional (ENV SP), No. 49993

Lillian brings more than 10 years of experience delivering municipal water, wastewater, and stormwater pump station projects from planning through construction. She leads multidisciplinary teams, manages budgets and schedules, coordinates permitting, and provides engineering services during construction for complex infrastructure projects, including flood resilience and storm hardening upgrades. Lilian currently serves as Project Manager for the City of Hollywood's utility relocations along State Road A1A, supporting FDOT coordination, procurement, and construction.

RELEVANT PROJECTS

Lake Belmar Stormwater Pump Station Study and Design, Miami-Dade County, FL, *Miami-Dade County Department of Transportation and Public Works.* Project Manager, Project Technical Lead and Process Mechanical Lead for the design of a 90 CFS stormwater pump station near Lake Belmar for Miami-Dade County. Led field investigations, technology evaluations, design of the pump station and seawall, cost estimating, and permitting. Also managed civil and process mechanical design, coordinated the multidisciplinary team, verified QA/QC, and supported construction-phase services.

S-27 Forward Flow Pump Station and Gate Structure Improvements, West Palm Beach, FL, *SFWMD.* Project Technical Lead for the 1,500 CFS S-27 pump station, managing design, technology evaluations, and sea level rise mitigation. The pump station layout includes an adjustable weir to maintain constant head and prevent back flow. The pump station was designed for unmanned operations and equipped for remote operations. A Generator and Control Building was designed to house the emergency generators and ancillary electrical equipment. This building included a Generator Room, Electrical Room, IT Room, and Control Room. Design services included the first phase of geotechnical investigations, initial topographic surveys of the project site, hydrologic and hydraulic modeling of S-27 Pump Station to optimize the site layout and minimize the potential for erosion in the canal. Oversaw geotechnical work, H&H modeling, and prepared design documentation, including evaluation of various pumping and screening technologies suitable for this application, led the overall design management among the multidisciplinary engineering team and enforced quality assurance/quality control measures to comply with the SFWMD submittal requirements.

Infrastructure General Engineering Services, Hollywood, FL, *City of Hollywood.* Project Manager for multiple City of Hollywood projects including the design of numerous water, sanitary sewer, and force main pipeline relocations along State Road A1A and a new Stormwater Culvert crossing Johnson Street. Responsible for managing the design team, leading permitting, and client/FDOT communication for the successful relocation of utilities. The project also includes close coordination with the FDOT permitting, bidding assistance, engineering services during construction, and support with funding compliance.

Pump Station Improvement Program (PSIP), Miami-Dade County, FL, MDWASD. Performed strategic evaluation and rehabilitation of pump stations operating above the nominal average pump operating time (NAPOT) threshold as part of a countywide effort to improve system performance and regulatory compliance. Responsibilities included conducting field data collection, performing hydraulic analyses, and developing and reviewing Remedial Action Plans for a range of pump stations within the Wastewater Collection and Transmission System (WCTS). Assessed pump station capacities against MDWASD performance standards and recommended site-specific improvements to enhance operational reliability and reduce system vulnerabilities. This work directly supports the objectives of stormwater infrastructure program management by applying data-driven analysis and field verification to inform the planning, prioritization, and implementation of system upgrades that strengthen infrastructure resiliency and uphold long-term regulatory compliance.

Consent Decree Program and Construction Management Services, Miami-Dade County, FL, *MDWASD.* Served as Project Technical Lead for multiple projects in the Consent Decree program, leading multi-disciplinary teams, delivering complex infrastructure projects under regulatory mandates including design of anaerobic digester clusters, headworks, and a new effluent pump station electrical building. Responsible for developing detailed technical specifications, drawings, permitting, permitting, procurement plan, construction schedule, etc., incorporated into a biddable package for procurement by the owner. Evaluations of proposals and recommendations were also part of the scope of work. Provided construction oversight for these large-scale infrastructure projects. In addition, helped streamlined the permitting process with regulatory agencies at a program level and developed a comprehensive Health and Safety Plan, supporting regulatory compliance and fostering a strong safety culture across field operations.

City of Sunrise Program Management Services, Sunrise, FL, *City of Sunrise.* Provided comprehensive technical and administrative support as part of a multi-disciplinary team delivering program management services for the City of Sunrise. Responsibilities included maintaining document control and tracking project deliverables to verify quality and timely submissions across a portfolio of water and wastewater infrastructure projects. Reported critical schedule milestones and permitting statuses to project managers through weekly updates, enabling proactive decision-making and maintaining alignment with program objectives. Played a key role in managing and maintaining the Sunrise Program SharePoint site by organizing and updating financial data, project deliverables, and correspondence to verify information was accurate, accessible, and well-structured for stakeholders. Performed QA/QC of the financial database, reviewed vendor and consultant invoices for accuracy and compliance, and supported the validation of project schedules and logs. This experience underscores the importance of program-level coordination, data integrity, and effective communication.

Yurfa Glenny, PMP, ENV SP

Project Principal

➤ YEARS OF EXPERIENCE WITH GFT:
8

➤ YEARS OF EXPERIENCE WITH OTHER FIRMS:
17

➤ PERCENTAGE OF TIME DEDICATED TO CONTRACT:
30%

➤ EDUCATION:
BS, Civil Engineering, Florida International University, 1999

➤ REGISTRATIONS:
Envision Sustainability Professional (ENV SP), No. 26748

Project Management Professional (PMP) - No. 1608621

Yurfa brings extensive experience delivering and managing complex municipal infrastructure projects and programs, with a focus on water, wastewater, and pump station and flood protection infrastructure. She has led multidisciplinary teams of engineers, architects, scientists, and construction professionals while coordinating closely with regulatory agencies and public stakeholders at the local, state, and federal levels. Yurfa is familiar with the City of Hollywood's operating environment, having previously provided CIP program controls for the City and more recently supporting infrastructure projects along State Road A1A. Her program management experience includes leadership roles on major initiatives such as the Miami-Dade Pump Station Improvement Program, United Utilities AMP3 Program, Sacramento regional interceptor programs, and the MDWASD Consent Decree and Ocean Outfall Legislation Programs. She has served in roles ranging from program leadership to program design manager for capital infrastructure programs exceeding $1 billion in construction, bringing a strong understanding of the factors critical to successful project delivery.

RELEVANT PROJECTS

Five-Year Capital Improvements Program Controls, Hollywood, FL, *City of Hollywood.* Project Manager working closely with the city of Hollywood's Utility Financial Director and capital improvements management team to monitor and control Hollywood's $200M capital improvement program. Gathered and monitored portfolio expenditures and project schedules and provided monthly reports to Hollywood's Utilities Director and other stakeholders. Projects were input in Oracle Primavera, and reports were created in Microsoft Excel format per Hollywood request. Monthly deliverables included programmatic cashflow graphs at portfolio level, project-specific level, and individual life-cycles project levels.

Consent Decree Program and Construction Management Services, Miami-Dade County, FL, *MDWASD.* Partner Principal, Advisor, and Supervisor under GFT for the program and construction management of wastewater facility upgrades mandated by a U.S. EPA consent decree for Miami-Dade County. Led a team responsible for engineering verification, scope development, consultant procurement, permitting, and quality control, and coordinated with MDWASD Procurement on bid evaluations and award recommendations under fast-tracked schedules. Under MWH, Program Manager for the design of 54 consent decree projects, overseeing team structure, permitting, and reporting, and served as Project Manager for headworks and digester improvements at the Central District plant.

Ocean Outfall Legislation Program-Wastewater System Priority Projects Program Management Support, Miami, FL, *MDWASD.* Partner Principal, Advisor, and Supervisor, performing project and construction management tasks in support of the Ocean Outfall Legislation program. Contributed institutional knowledge of wastewater, collection, and disposal systems to the conceptual planning for the North District treatment plant. Responsibilities included managing design consultants, overseeing risk, change, and design processes, supporting quality assurance, and acting as liaison between operations and consultants. Developed progress reports, reviewed deliverables and invoices, facilitated meetings, and maintained schedule milestones to meet program requirements.

S-27 Forward Flow Pump Station and Gate Structure Improvements, Miami, FL, *SFWMD.* Project Manager responsible for design of a new flood control pump station and associated infrastructure to improve the systemwide regional water management existing flood protection level of service with consideration to future conditions, including sea level rise projections throughout South Florida.

Wastewater System Priority Projects, Miami-Dade County, FL, *MDWASD.* Partner Principal, Advisor, and Supervisor performing project management and construction management tasks. Knowledgeable on the wastewater facilities, collection system, and disposal facilities, providing institutional experience for consideration in the conceptual plan for the NDWWTP. Team duties include managing design consultants, providing and maintaining reporting requirements for the client and stakeholders; assessing and managing risk; managing design processes; managing change; providing quality assurance reviews; and acting as the liaison between WASD operations and the design consultants. Also developing progress reports; recommending approval of deliverables and invoices; preparing for and holding meetings; and updating and managing the project schedule milestones to adhere to Ocean Outfall Legislation implementation program requirements.

Master Pump Station No. 3, Miami, FL, *MDWASD.* Project Manager for the design of a new 21 mgd Master Sewer Pump Station serving the rapidly growing Brickell area. Managed coordination with the design team and client, and led negotiations for City of Miami Warrant approvals. The project included survey, geotechnical work, and multi-disciplinary design across civil, electrical, structural, architectural, and mechanical systems. Key features included dual multi-level structures with VFD-driven pumps, a 1,500 kW emergency generator, and resilient infrastructure elements such as dual power, surge protection, odor control, and aesthetic enhancements.

Biscayne Bay Coastal Wetlands Rehydration Pilot Project, Miami, FL, *MDWASD.* Project Manager that led the planning, design, construction, and operation of a tertiary treatment pilot plant at the South District Wastewater Treatment Plant using secondary effluent. Managed budget, schedule, vendor coordination, start-up, testing logistics, quality control, and reporting. The pilot evaluated a membrane bioreactor and advanced oxidation for wetlands rehydration, supported by cost-benefit and business-case analyses.

Central District Wastewater Treatment Plant and Associated Master Pump Stations No. 1 and No. 2 Renew and Replacement (R&R) Program, Miami, FL, *MDWASD.* Project Manager for multiple projects under the Central District Wastewater Treatment Plant (CDWWTP) R&R program, including off-site MPSs 1 and 2. Oversaw condition assessments using asset management tools to support inspection, evaluation, and project prioritization. Deliverables included basis of design memorandums for planned improvements such as pump impeller replacement, electrical and Instrumentation and Controls (I&C) upgrades, seawall repairs, hardening, and aesthetic enhancements. MPS design and construction were part of Consent Decree projects.

Larchmont Area Sanitary Sewer/Resiliency Improvements Program, Norfolk, VA, *Hampton Roads Sanitation District.* Project Principal and Project Controls lead for three pump station replacements, three pump station rehabilitations, and three service area improvement projects jointly managed by HRSD and Norfolk Utilities. Supported the pump station design team, pipeline design team, communications team, and construction management team as part of a successful multi-phased replacement program. Responsible for assisting the Project Manager with monthly reviews of budget, schedule, quality, and risks to help identify mitigation actions during the design phase.

Kyle Logue, PE

QA/QC Lead

> YEARS OF EXPERIENCE WITH GFT:
2

> YEARS OF EXPERIENCE WITH OTHER FIRMS:
14

> PERCENTAGE OF TIME DEDICATED TO CONTRACT:
25%

> EDUCATION:
MS, Civil Engineering, Florida International University, 2013

BS, Civil Engineering, Portland State University, 2010

> REGISTRATIONS:
Professional Engineer (PE), VA

Kyle will serve as QA/QC Lead, bringing specialized expertise in quality management, regulatory compliance, and risk mitigation for municipal stormwater, pump station, and wet-weather infrastructure projects. As a Vice President of GFT, he has provided senior oversight for major water, wastewater, and stormwater capital programs,supporting technical accuracy, constructability, and compliance with client and regulatory requirements. Kyle has supported high-priority projects for municipal and utility clients, implementing QA/QC processes that improve coordination across disciplines and reduce delivery risk. His experience also includes supporting clients in securing and managing more than $40 million in alternative funding and grants, reinforcing quality outcomes through compliance-driven project delivery.

RELEVANT PROJECTS

Dozier's Corner Pump Station Replacement Evaluation, Virginia Beach, VA, *Hampton Roads Sanitation District (HRSD).* Project Manager for leading the identification of relocation and replacement options for upgrading the Dozier's Corner Pump Station for flood control and condition purposes. GFT provided professional engineering services to evaluate and design the pump station replacement, per the findings of HRSD's Condition Assessment Program and the Rehabilitation Action Plan, to upgrade aged equipment, meet current flow projections, and raise electrical equipment above the flood elevation. The project includes replacing the 1,600 gpm submersible pump station and approximately 700 linear feet of associated 10-inch interceptor force main. The final design will include drainage improvements for the property's stream crossing.

Grant Pursuit Program, Henrico, VA, *County of Henrico.* Project Manager supporting grant pursuits through the Virginia Community Flood Preparedness Fund and FEMA's Building Resilient Infrastructure and Communities program. Led the development of four grant applications requesting $14.8M for scoping and design services to implement resiliency upgrades at two county pump stations, flow equalization tanks, and a water reclamation facility to address localized flooding and improve wet weather capacity.

Project Director for Water Resources Division Extended Staff Support for the City of Richmond, Richmond, VA, *City of Richmond.* Project Director supporting the project management team in reviewing permit applications and civil plan sets for compliance with stormwater and erosion control regulations, including water quantity and quality calculations. The scope of work provided support to the Water Resources Division permit review team and aided in issuing and approving land disturbing permits, Richmond Stormwater Management Program Permit, storm drainage permits, no rise certificates, and flood compliance studies permit.

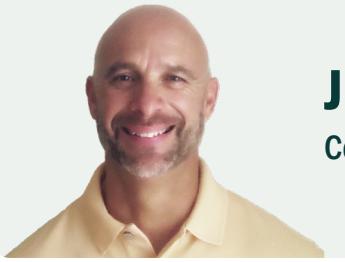
Wet Weather Consent Program, VA, *HRSD.* Project Manager and Engineer, worked on compliance and planning projects for the HRSD regionalized consent decree program, including developing analytical tools to determine overall compliance and developing consent-driven capital improvement project lists. Tasks included managing subconsultants, maintaining client and stakeholder reporting, overseeing risk and planning, implementing changes, performing QA reviews, coordinating with localities and HRSD operations, preparing progress reports, reviewing deliverables, leading meetings, and supporting program compliance.

Water Distribution and Water Utility Extension of Staff, Richmond, VA, *City of Richmond.* Project Director supporting the City of Richmond Department of Public Utilities Water Utility and Distribution operations. Coordinated with department leadership to address high-priority needs and oversaw five on-site contract staff. Responsibilities included managing daily activities, reviewing developer utility design packages, and developing asset renewal projects for the city's aging water infrastructure.

Wet Weather Consent Program, VA, *HRSD.* As Project Manager and Engineer, worked on compliance and planning projects for the HRSD regionalized consent decree program, including developing analytical tools to determine overall compliance and developing consent-driven capital improvement project lists. Tasks included managing subconsultants, providing and maintaining reporting requirements for the client and stakeholders, assessing and managing risk, managing planning processes, implementing changes, providing quality assurance reviews, acting as the liaison between localities and HRSD operations, developing progress reports, recommending approval of deliverables, preparing for and holding meetings, and adhering to program requirements. Specific projects for this contract included the CMOM program, which tracked and reported consent program compliance metrics. Used Excel workbooks and reporting forms were developed with customized visualizations to track and report key metric data for the CMOM program at HRSD. Dashboards were also created to assist staff with daily decision-making to verify ongoing compliance with metrics. The Regional Hydraulic Model program support included assistance with the calibration of the gravity portions of the model and field collection of missing or erroneous asset data, which included inputting theoretical sediment loads and using depth versus velocity scattergraphs to re-calibrate HRSD gravity sewers to better predict capacity during wet weather events. Lastly, the locality hydraulic model program included the development of thirteen regional hydraulic models to identify wet weather-related overflows in the locality system and provide more realistic boundary conditions at HRSDs terminal stations in the regional hydraulic model. Each locality model was built from the localities' existing geospatial and asset information and included review, design, and calibration for each to meet project validation requirements.

Flood Preparedness Grant Pursuit Program, Richmond, VA, *City of Richmond.* As Project Manager, supported the pursuit of the Virginia Community Flood Preparedness Fund grant program, which empowers communities to complete vulnerability assessments and develop and implement action-oriented approaches to bolster flood preparedness and resilience. The project scope included professional engineering services for developing four grant applications with $7.6 million requested for project scoping and capacity building services for levee operations to mitigate increased localized flooding hazards and no-rise certification analysis to prevent unintended development in the floodway and floodplain.

Water, Sewer, Pump Station Annual Services Contract, Norfolk, VA, *City of Norfolk.* As Project Manager, oversaw tasks related to the replacement or repair of the city's water and sewer system. Task order assignments included flow monitoring services for the city's Pump Station 44 PER and sewer modeling support services, updating the city's Mike Urban model and model user manual, and training the city model staff.



Jorge Orozco, PMP

Construction Management Services

➤ YEARS OF EXPERIENCE WITH GFT:
4

➤ YEARS OF EXPERIENCE WITH OTHER FIRMS:
36

➤ PERCENTAGE OF TIME DEDICATED TO CONTRACT:
50%

➤ EDUCATION:
AS, Drafting and Design, Miami-Dade Community College, 1986

➤ REGISTRATIONS:
PMI: Project Management Professional (PMP)

Jorge brings experience in overseeing capital improvement projects across Florida totaling more than $300M. He specializes in supporting compliance with project plans and specifications, minimizing delays and change orders, and verifying constructability throughout phases. Jorge has established guidelines for reviewing consultant plans, specifications, and procedures, and will maintain strong coordination with the City, project teams, and regulatory agencies to keep projects on schedule and in conformance with contract requirements.

RELEVANT PROJECTS

Consent Decree Program and Construction Management Services, Miami-Dade County, FL, *MDWASD.* Construction Manager overseeing three major capital projects totaling $130M, including digester upgrades, acid-phase construction, and startup services. Work included improvements to Effluent Pump Stations 1 through 6, Electrical Substations 7 and 8, and the odor control scrubber building. Managed the engineer of record, contractors, and utilities from pre-construction through closeout.

Ocean Outfall Legislation Program-Wastewater System Priority Projects Program Management Support, Miami, FL, *MDWASD.* Construction Manager for the evaluation of converting the North District Wastewater Treatment Plant's existing effluent pump station into a dual-purpose facility serving future high-level disinfection (HLD) and ocean outfall. Supported the owner's representative by assessing system feasibility and developing a solution to repurpose four existing pumps, enhancing system efficiency and reliability.

Broward County Water and Wastewater Services, Pompano Beach, FL, *Broward County.* Construction Project Manager overseeing capital projects with both professional and administrative responsibilities, including RFIs, change orders, schedule reviews, quality control, and consultant coordination. Led contract development, design reviews, bidding, emergency repair contracts, and negotiated more than $50M in consultant agreements. Conducted field visits to support inspectors and verify compliance with construction standards.

Land Development Drainage Design, Miami, FL, *Miami-Dade County.* Construction Project Manager responsible for the construction management of more than 14,000 linear feet of exfiltration drainage system installations in Miami-Dade County and several civil site drainage design projects. Coordinated with surveyors and handled three-dimensional CAD files. Designs included FEMA Drainage Projects, Site Parking Designs, Broward County Neighborhood Improvement Project, City of Hollywood Landfill Drainage Modifications, Salado Creek Drainage Design, and CBDD Culvert Replacement.

Master Pump Station 300 Rehabilitation, Dania Beach, FL, *Broward County. Construction Project Manager.* This project involved the installation of a temporary by-pass pumping system and the replacement of new primary pumps; jockey pump; seal water system; on-site lift station; HVAC system; and a new diesel generator.

Springtree Water Treatment Plant and Wastewater Treatment Plant Construction, Sunrise, FL, *City of Sunrise.* Served as Resident Engineer for the $10 million construction phase of the Springtree WTP and WWTP. During construction, duties included conducting inspections on concrete forming and pouring, sandblasting, electrical and piping installations, utility coordination, and site work preparations.

Wastewater Treatment System Improvements, Various Locations, FL, *Various Clients.* Major responsibilities included the civil/mechanical designs for work associated with the municipal wastewater projects. Designs included wastewater plant laboratory design, headworks building, control building (architectural, civil, landscaping, and irrigation design), sludge dewatering building, 2-mgd Smith and Loveless package plant design/coordination, 2-mgd effluent deep well injection, 1-mgd effluent recovery basin, effluent pumping stations, and the Sunrise Springtree treatment plant improvements and Mayaguez regional plant secondary treatment system.

Water Treatment Plant Design, Miramar, FL, *City of Miramar.* Lead Designer for the city's water treatment plant, which was designed for 4.5 mgd, with an ultimate capacity of 12 mgd, with a construction fee of $12 million. Provided civil/mechanical piping designs and led a team of designers. Project consisted of a membrane cleaning area, chemical rooms, generator and control room, odor control (degassifiers and scubber systems were used), chlorine room, two concentrate deep well injection wells and one monitor well, and earthwork and distribution piping. Also worked on the city of Sunrise's Sawgrass water treatment plant. Designed 12.0-mgd ultimate capacity of 18 mgd, with a construction fee of $24 million. As Lead Designer, was responsible for the process building civil/mechanical design. Processed building design consisted of a laboratory, instrumentation, controls room, membrane processing area, and two pipe galleries interconnected to a chemical building. Also was involved with the city of Dania water treatment plant rehabilitation, city of Sunrise Park City lime plant modifications, and the city of Fort Lauderdale odor control improvements.

Jose Abinazar, PE, ENV SP

Process Mechanical

> YEARS OF EXPERIENCE WITH GFT:
4

> YEARS OF EXPERIENCE WITH OTHER FIRMS:
2

> PERCENTAGE OF TIME DEDICATED TO CONTRACT:
80%

> EDUCATION:
BS, Civil Engineering, Florida International University, 2021

> REGISTRATIONS:
Professional Engineer in Florida - No. 101828

Envision Sustainability Professional (ENV SP)

Jose specializes in the planning and design of water, wastewater, and municipal infrastructure projects. He has experience conducting site visits, surveys, and inspections, as well as supporting data collection and compilation for utility infrastructure improvements. Jose develops design plans, specifications, and cost estimates, and prepares technical reports to support project delivery. In addition, he provides construction observation and field engineering services and contributes to the preparation of grant and funding applications.

RELEVANT PROJECTS

MPS 300 Rehabilitation, Dania Beach, FL, *Broward County.* Project Engineer for the rehabilitation of Master Pump Station 300, converting the existing wet well and dry well configuration into a modern in-line booster pump station within the existing structural footprint. This $1.4 million comprehensive upgrade improves system reliability, strengthens resiliency, and complies with federal funding requirements. Responsibilities included evaluating client-supplied hydrological data, lead permitting coordination with different regulatory agencies, and providing technical support to the project manager. Work also included client coordination, vendor engagement, and supervision of subconsultant site visits to document existing conditions, with the project currently at the 60% design stage.

Miami-Dade-EDP-Stormwater Master Plan, Miami-Dade County, FL, *Miami-Dade Department of Regulatory and Economic Resources.* Project Designer (In-House Consultant) for the development of the Miami-Dade County Stormwater Master Plan, supporting the Water Management Division with analysis of groundwater and stormwater challenges. Responsibilities included reviewing groundwater model scenarios for 2040, 2060, 2080, and 2100 provided by WASD, preparing data for integration into stormwater models, developing numerical tools to evaluate water quality impacts on Biscayne Bay, and analyzing bathymetric influences on the Bay's mixing conditions. Work contributed directly to updating the County's Stormwater Master Plan.

Lake Belmar Stormwater Pump Station and Seawall, Miami, FL, *Miami-Dade County DTPW.* Project Designer for the design and permitting of the Lake Belmar Stormwater Pump Station and Seawall. Responsibilities included preparation of comprehensive multi-agency permit application packages, serving as the primary coordinator with regulators, and assisting in the development of project drawings, calculations, and technical narratives to demonstrate design intent and compliance. Coordination included Class I, Class II, USACE, Building, and Environmental Resource Permits (ERP), supporting thorough documentation aligned with agency requirements.

Treasure Island Stormwater Pump Station, North Bay Village, FL, *North Bay Village.* Project Engineer for the design of the Treasure Island Stormwater Pump Station. Responsibilities included reviewing site and hydrological conditions to meet future flow requirements, assistance in process mechanical design, and supporting the project manager with client communications, presentations, and vendor coordination. Additional tasks included conducting site visits to collect field data and assisting in advancing the project through the 60% design stage.

North District Wastewater Treatment Plant Oxygen Production, Miami-Dade County, FL, *Miami-Dade Water and Sewer Department.* Assistant Project Engineer for the detailed design of oxygen production facilities at the North District Wastewater Treatment Plant. Responsibilities included reviewing existing oxygenation train conditions, preparing a visual assessment and condition report, conducting site inspections to catalog equipment for replacement, coordinating with manufacturers for procurement, and participating in progressive design meetings to support mechanical design development.

Marianna Site 328842256, Marianna, FL, *FDEP.* Staff Engineer responsible for preparation of the 2024 Annual Post Active Remediation Monitoring Report. Responsibilities included analyzing groundwater data from monitoring wells, integrating historical datasets into the current evaluation, and developing GIS-based maps to illustrate groundwater elevation, analytical results, VOCs and metals, and PAHs & TRPH concentrations.

Chevron Site 207, FL, *FDEP.* Staff Engineer responsible for environmental evaluation of groundwater conditions. Responsibilities included analyzing monitoring well data, synthesizing findings into recommendations to support the current project phase, and preparing GIS maps depicting groundwater elevation, analytical results, VOCs and metals, and PAHs & TRPH to support site assessments.

Alina Fernandez, PE

Civil Site

> YEARS OF EXPERIENCE WITH GFT:
24

> YEARS OF EXPERIENCE WITH OTHER FIRMS:
3

> PERCENTAGE OF TIME DEDICATED TO CONTRACT:
40%

> EDUCATION:
BS, Civil Engineering, Florida International University, 1999

> REGISTRATIONS:
Professional Engineer (PE), FL - No. 60714; PR

FDOT Temporary Traffic Control Advanced Training, FL - No. 31937

Alina brings extensive civil and site design experience supporting municipal and transportation infrastructure projects, with expertise in drainage, stormwater, and utility coordination. She has led multidisciplinary teams on roadway reconstruction and design-build projects requiring integrated site grading and stormwater solutions and has supported FDOT, FTE, and South Florida municipalities under districtwide contracts. Her background includes pump station, sanitary sewer, and stormwater permitting and construction support, with a strong understanding of Florida's regulatory and coastal conditions.

RELEVANT PROJECTS

Englewood Storm Sewer Drainage and Roadway Improvements, Miami, FL, *Miami Transportation and Capital Improvements Program Divisions.* Project Manager for a project involving drainage and roadway improvements in a neighborhood extending from SW 27th Avenue to SW 32nd Avenue and from SW 16th Street to SW 22nd Street (Coral Way). Roadway improvements included roadway reconstruction, as well as roadway milling and resurfacing. Other improvements included replacing damaged sidewalks, curbs, and gutters; providing ramps compliant with the Americans with Disabilities Act (ADA); upgrading existing signs and pavement markings; and regrading existing swales.

Minor Districtwide Projects (C-7329) - S.R. 60 (Beachland Boulevard), Vero Beach, FL, *FDOT, District 4.* Project Engineer for the preparation of plans, drainage design, and permitting for a restoration, rehabilitation, and resurfacing project that involved milling and resurfacing S.R. 60 from Indian River Boulevard to S.R. A1A and S.R. A1A from S.R. 60 to Cypress Road. The project also included the design of a new drainage system in a portion of S.R. A1A.

Northwest 33rd Street Roadway Improvements Civil Engineering, Miami, FL, *Miami Transportation and Capital Improvements Program Divisions.* Project Manager for a project involving drainage and roadway improvements in a neighborhood extending from NW 17th Avenue to NW 14th Avenue and from NW 31st Street to NW 36th Street. Roadway improvements included roadway reconstruction, widening, milling, resurfacing, and addition of parking lanes and tree islands. Other improvements included replacing damaged sidewalks, curb, and gutter; providing ramps compliant with the Americans with Disabilities Act (ADA); and upgrading existing signs and pavement markings.

S.R. 0968/West Flagler Street Reconstruction and Resurfacing, Miami-Dade County, FL, *FDOT, District 6.* Lead Drainage Engineer for the design of major roadway improvements to Flagler Street, a three-lane urban facility with on-street parking and a new bicycle lane. The scope of work included design for reconstruction and upgrade of the roadway, drainage system, lighting, and signalization. Also included in the scope were permitting, utility coordination, traffic control plans, and extensive coordination with the South Florida Water Management District, Miami-Dade County Department of Environmental Resources Management, FDOT, city of Miami, Miami-Dade County, and adjacent projects.

Grand Avenue Roadway Improvements, Miami, FL, *Miami Transportation and Capital Improvements Program Divisions.* Project Manager for a project involving improvements to Grand Avenue from Matilda Street to Mary Street. These improvements included upgrading the street lighting, milling and resurfacing the existing asphalt, providing ADA accessibility where feasible, upgrading the existing drainage system, repairing sidewalk pavers and concrete curb, replacing damaged planters and/or trees, and providing uplighting for both previously existing and new trees.

Miscellaneous Civil Engineering Services, Miami-Dade County, FL, *Miami-Dade Parks and Recreation Department.* Project Engineer for coordination, permitting, and design services and preparing construction documents for various park projects, including paving, grading, drainage, upgrades to signing and pavement markings, ADA improvements, and design of new sanitary sewer collection systems and pump stations.

S.R. 907 (Alton Road) from 5th Street to Michigan Avenue Project Development and Environment Study, Miami Beach, FL, *FDOT, District 6.* Drainage Engineer for design engineering services for this project development and environment (PD&E) study for roadway and drainage improvements to S.R. 907/Alton Road from 5th Street to Michigan Avenue, including the 5th Street flyover ramp from eastbound S.R. A1A/U.S. Route 41/MacArthur Causeway. Other responsibilities included overseeing the preparation of the PD&E drainage report in coordination with FDOT's drainage department, the FDEP, the Miami-Dade County Department of Environmental Resources Management, and the South Florida Water Management District.

Eric Falkenberry, PE

CFD Modeling

➤ YEARS OF EXPERIENCE WITH GFT:
7

➤ YEARS OF EXPERIENCE WITH OTHER FIRMS:
30

➤ PERCENTAGE OF TIME DEDICATED TO CONTRACT:
60%

➤ EDUCATION:
BS, Civil Engineering, The Citadel, 1989

➤ REGISTRATIONS:
Professional Engineer in Florida - No. PE56173

Eric brings 37 years of experience in hydrologic, hydraulic, and water resources engineering. He brings extensive expertise in advanced Computational Fluid Dynamics (CFD) modeling for pump stations, spillways, reservoirs, and complex hydraulic structures, supporting design optimization and risk reduction. Eric has led CFD and physical modeling efforts for major projects for the U.S. Army Corps of Engineers and South Florida water management agencies, applying results to improve hydraulic performance, reduce scour, and mitigate vortices. For this project, he will be responsible for directing CFD modeling and analysis to support informed design decisions and support reliable system performance.

RELEVANT PROJECTS

C-23/24 South Reservoir Design, St. Lucie County, FL, *USACE.* Lead Civil and Hydrologic and Hydraulic (H&H) Design Engineer participating in and overseeing a team of engineers for the civil design plans and calculations for the embankment and seepage canals, including H&H design for the embankment toe drains, roadway drainage, and seepage canal drainage systems. Tasks also include coordination with the joint venture (JV) partner, performing similar design tasks on adjacent canals, and a pump station for the reservoir. Software used for plans and calculations includes Autodesk Civil 3D, HEC-RAS, HY-8, and ICPR. GFT is in the later stages of completing the preliminary design for this project.

Central Everglades Planning Project South CFD-3D and Model Report - S-356 Pump Station and S-334 Gated Spillway (Task Nos. 001 to 004), Various Locations, FL, *Confidential Client.* Project Manager for CFD and Physical Modeling of the pump station and gated spillway. The project, located approximately 19 miles east of downtown Miami, is bounded to the east by the S-336 gated culverts, to the north by the S-335 gated culverts on the L-30 Levee Borrow Canal, to the south by the G-211 gated culverts on the L-31N Levee Borrow Canal, and to the west by the S-334 gated spillway on the L-29/L-30 Levee Borrow Canals. The purpose of the project is to relocate the temporary S-356 pump station and S-334 gated spillway to new, permanent locations (S-356E and S-334E) to the east. Design improvements based on CFD modeling included extending a peninsula to the east of the pump station to prevent a problematic recirculation pattern and raising the sill on S-334E to reduce downstream scour. Physical modeling performed by a subconsultant recommended vortex suppression pipes be installed upstream of the pump intakes and verified the function of the Corps' siphon design.

Central Everglades Planning Project South CFD-3D and Model Report - S-426 Pump Station, C23 and 24 North Reservoir (Task Nos. 101 to 104), Various Locations, FL, *Confidential Client.* Project Manager for CFD and Physical Modeling of the S-426 Pump Station. The C-23/24 North Reservoir, a High Hazard Dam, is located in St. Lucie County, Florida adjacent to the C-24 canal within the northwestern portion of the C-24 drainage basin. The project conveyance area is bounded to the west by the proposed North Reservoir, to the north by structure G-81, and to the south by the structure G-79. The proposed S-426 pump station will pump water from the proposed C-426 inflow canal, which connects to the existing C-24 canal. A CFD model was used to analyze flow in the C-426 canal, pump forebays, and discharge structure located in the reservoir. Physical modeling, performed by Verdantas (formerly Clemson Engineering Hydraulics), resulted in vortex suppression pipes, fillets and splitters, and a split curtain wall being added to the project to prevent surface and subsurface vortices at the pump intakes. The physical model was also used to verify the function of the Corps' siphon design.

Restoration and Operation, Maintenance, Repair, Replacement, and Rehabilitation Projects, Labelle, FL, *South Florida Water Management District.* Project Manager and Civil Design Lead for the water quantity and quality management area located approximately 1,766-acres east of the town of Labelle, FL. The FEB is bordered to the north by the USACE's C-43 Canal, east and west by canals owned by the Baron Water Control District, and south by State Road 80. A 200 cfs pump station delivers water from the C-43 canal to the FEB to a design depth of 4 feet. Water is returned, as needed, to the C-43 canal via a gravity flow control structure. Design disciplines include survey, site civil, geotechnical, structural, architectural, mechanical, electrical, plumbing, and utilities. Design tasks include geotechnical exploration and testing, embankment design, seepage and slope stability, 2D dam breach modeling and flood inundation mapping, dam hazard classification, water balance modeling, water quality modeling, wind and wave analyses, canal hydraulics, internal 2D hydraulics, design of an outflow control structure, CFD modeling, preparation of documents for ERP and USACE 404 and 408 permits, and responding to comments from permitting agencies.

OMRR&R - C-51 Reservoir Phase II Storage, Reservoir Feasibility Use to Limit Saltwater Intrusion into Biscayne Aquifer, Palm Beach to Miami-Dade County, FL, *Confidential Client.* Project Manager for the C-51 Phase II reservoir study which involved research and computer modeling of surface water and groundwater to determine if the proposed reservoir can provide environmental benefits, including prevention of saltwater intrusion along the coast. The C-51 Phase II reservoir has the potential to store up to 45,000 acre-feet of water that is currently lost to tides via the C-51 canal in Palm Beach County, sometimes with undesirable impacts to the Lake Worth Lagoon. In addition, the reservoir has the potential to store regulatory releases from Lake Okeechobee currently sent to the northern estuaries with undesirable impact. This excess water, if stored, can be delivered to serve an environmental purpose in the Lower East Coast region, particularly during drier periods but also during moderate wet periods. With current withdrawal from wells and rising sea levels, actions such as are proposed by this study, are needed to prevent the further intrusion of the saltwater front to important water and environmental resources in Florida's coastal communities.

Taylor Creek Reservoir Improvements, Orange and Osceola Counties, FL, *St. Johns River Water Management District.* Project Manager for exploring subsurface conditions and evaluating the use of in-situ soils for borrowing material, delineating and surveying onsite wetlands, and dam breach and flood inundation mapping. Tasks included oversight of subconsultants, execution of the scope of services, managing changes to the scope of services, communication between the design team and client, and bi-weekly meetings with our design team and the District staff proved essential to the project's success.

Denys Avila, PE

Modeling of Drainage

➤ YEARS OF EXPERIENCE WITH GFT:
<1

➤ YEARS OF EXPERIENCE WITH OTHER FIRMS:
9

➤ PERCENTAGE OF TIME DEDICATED TO CONTRACT:
60%

➤ EDUCATION:
BS, Civil Engineering, Florida Atlantic University, 2016

➤ REGISTRATIONS:
Professional Engineer in Florida - No. 90871

Denys has nine years of professional experience in drainage design, with a primary focus on Department of Transportation (DOT) infrastructure projects. He is highly skilled in hydraulic analysis and the production of drainage plans, using software tools such as ASAD, GEOPAK Drainage, HEC-RAS, and ICPR. Denys possesses a strong working knowledge of DOT standards and procedures and consistently applies this expertise to deliver compliant, cost-effective, and efficient drainage solutions for transportation-related projects.

RELEVANT PROJECTS

SR 501 (Clearlake Rd) PD&E Study and Design State-Wide Acceleration Transformation (SWAT) from Michigan Ave to West of Industry Rd, Brevard County, FL, *FDOT, District 5*. Drainage Designer. The purpose of this project was to address roadway capacity improvements and bicycle and pedestrian accommodations along Clearlake Road. The project length was 1.35 miles. This project was completed as the first SWAT project in District 5. For the PD&E effort, the study was completed as a State Environmental Impact Report (SEIR). The design project included widening and reconstructing SR 501 from three-lanes to four-lanes from south of Michigan Avenue to north of Otterbein Avenue and widening from two-lanes to four-lanes from north of Otterbein Avenue to west of Industry Road. Denys' responsibilities included assisting with the drainage design and plans production.

Continuing Services for PD&E Studies and Environmental Management Office (EMO) Studies, Various Counties, FL, *Florida's Turnpike Enterprise*. Drainage/ Permitting. This is a Continuing Services Contract for PD&E and EMO studies support covering multiple areas within Florida's Turnpike Enterprise system of toll roads, which includes the Turnpike Mainline, Sawgrass Expressway (SR 869), Beachline East and West Expressway (SR 528), Southern Connector and Seminole Expressway (SR 417), Polk Parkway (SR 570), Veterans Expressway and Suncoast Parkway (SR 589), Western Beltway (SR 429), I-4 Connector, and First Coast Expressway (SR 23). This contract requires support for a wide range of planning, engineering, environmental and management services to assist bringing to completion, as expeditiously as possible, numerous projects for the Environmental Management Office. Task work orders have included interchange improvement studies, TSM&O studies, ETDM support, engineering and environmental document reviews, and species surveys. Denys supported the drainage and permitting team efforts.

SR 526/600 (Washington St.) RRR Project from SR 500/US 441 (Orange Blossom Tr) to SR 400 (I-4), Orange County, FL, *FDOT, District 5*. Drainage Designer. This RRR project is a 2-lane, undivided, urban minor arterial, with bike lanes, curb and gutter, and sidewalk on both sides. Limits are from the east side of N Orange Blossom Trail (MP 0.011) to the west side of I-4 (MP 0.863). Improvements include milling and

resurfacing travel lanes, turn bays and shoulders due to the poor pavement condition, pedestrian safety, and signal improvements at the three signalized intersections, the retrofit and reconstruction of existing sidewalks and curb ramps for ADA compliance, including connection of sidewalk gaps for pedestrian path continuity, utility coordination, and transit coordination.

Glades Rd Transportation System Management (TSM) Capacity Improvements between SR 7/US 441 and SR 5/US 1, Palm Beach County, FL, *FDOT, District 4.* Engineer Intern. This project was intended to provide TSM capacity improvements along the SR 808 (Glades Road) corridor recommended by a PD&E Study. The following are the TSM capacity improvements: SR-7 intersection: Add a third left turn lane along with a two-ft.-wide bike lane buffer on northbound and southbound approaches. I-95 Northbound Exit Ramp: Increase northbound left and right turn bays by 125-feet. NW 13th Street: Convert existing southbound through lane to an exclusive right turn lane and add a second northbound left-turn lane by converting an existing through lane. NW 4th Avenue: Add a second northbound left turn lane. NW 2nd Avenue: Provide an exclusive southbound right turn lane. Dixie Highway: Increase northbound left-turn lane queue length by about 200-feet. US-1/Federal Highway: Increase the northbound left-turn lane queue length by about 150 feet. Denys' responsibilities included assisting with roadway and drainage design, utility coordination, and traffic control plans.

SR 804 (Boynton Beach Blvd) and Gateway Blvd PD&E Study, Palm Beach County, FL, *FDOT, District 4.* Engineer Intern. This project involved addressing roadway capacity improvements that would increase the level of service, reduce congestion, and increase safety at the SR-804 and Gateway Boulevard interchanges and adjacent intersections. Denys' responsibilities included assisting with the conceptual signing and pavement markings layout. GuideSigns software was extensively used to design overhead signs for multiple roadway design alternatives.

SR 528 Widening from Goldenrod to Narcoossee, Orange County, FL, *Central Florida Expressway Authority.* Drainage Designer. SR 528 is a major connection toll road for patrons traveling between I-4, SR 417, and I-95, with connections to Orlando International Airport (OIA). This project is part of an overall corridor widening focus that includes adjacent projects such as CFX Nos. 528-143, 528-160, 528-161, and the Brightline Rail. The project intent is to widen the SR 528 from Goldenrod Road to Narcoossee Road on the inside and outside to provide a general use travel lane in each direction. The Goldenrod Road interchange ramps will be modified to accommodate the SR 528 Westbound widening. SR 528 bridge over Narcoossee Road will be widen to the median to accommodate for a future 8-lane section. The widening will accommodate a variable width barrier-wall-separated median matching the 50' median widths at the beginning and end of the project. Coordination with GOAA/FAA will be required for adjustments to the existing runway approach lighting. The proposed work will also include surveying, drainage evaluation and design, permitting, ITS, lighting, signing and pavement markings, maintenance of traffic, utility design and coordination, geotechnical analysis, scheduling and project controls, progress reporting and other associated tasks and activities. Denys was responsible for the drainage design.

SR 842 (Broward Blvd), North Fork of the New River Bridge Replacement MiCE Study, Broward County, FL, *FDOT District 4.* Roadway Designer. This project involved replacing the SR 842 (Broward Boulevard) east and westbound bridges over the North Fork of the New River. A temporary diversion bridge will be constructed adjacent to the existing bridge for traffic control to avoid lane closures. A MiCE Study is being conducted due to temporary Section 4(f) impacts caused by the diversion bridge. Responsibilities included assisting with alternatives analysis, evaluating environmental impacts, and public involvement support. Denys assisted with signing and pavement marking plans production. The use of the GuideSigns software facilitated the design of various custom signs throughout the project.

Jack Murphy, ENV SP

Funding

> YEARS OF EXPERIENCE WITH GFT:
2

> YEARS OF EXPERIENCE WITH OTHER FIRMS:
4

> PERCENTAGE OF TIME DEDICATED TO CONTRACT:
30%

> EDUCATION:
BA, History, College of William and Mary, 2019

> REGISTRATIONS:
Envision Sustainability Professional (ENV SP)

Jack is a grant and funding professional specializing in securing and managing funding for stormwater, flood mitigation, and water infrastructure projects. He has supported pump station replacements, drainage improvements, and flood resilience initiatives by preparing competitive applications for state and federal programs, including FEMA Hazard Mitigation and BRIC funding. Jack brings direct experience working with municipal clients to identify eligible funding sources, develop compliant application materials, and coordinate required documentation and schedules. His background includes supporting long-term stormwater and flood mitigation programs and leveraging his knowledge of federal and state funding processes to position projects for successful award.

RELEVANT PROJECTS

Dozier's Corner Pump Station Replacement Evaluation, Virginia Beach, VA, *Hampton Roads Sanitation District.* Funding Coordinator supported the development of a Virginia Community Flood Protection Fund application for the Dozier's Corner Pump Station Replacement, working alongside HRSD staff, drafted and compiled the required application language and information submitted to the Virginia Community Flood Preparedness Fund.

Annual Water Services, Richmond, VA, *City of Richmond.* Grant and Funding Coordinator coordinating and preparing applications to secure funding assistance to support comprehensive planning and engineering for water and stormwater infrastructure improvements, as part of an annual services agreement with the City of Richmond. Tasks have included Drinking Water State Revolving Fund and Grant Program Support and Stormwater Program Support, including the ongoing RVAH2O Clean Water Plan update, the James River Dam Removal Study, and asset management planning in underserved neighborhoods under the Southside Stormwater project. Developed several grant applications on behalf of the City, verifying that applications were complete and submitted within required deadlines. Specific responsibilities include drafting application responses, collecting required documents and information, and establishing an execution schedule for timely submission. In addition to providing application development services, monitors the state and local funding landscape to identify potential funding opportunities that align with the City's priorities and projects.

Mineral Ridge Dam Rehabilitation Bid-Phase Engineering Services, Trumbull, OH, *Mahoning Valley Sanitary District.* Grant and Funding Coordinator providing subject matter expertise for the Federal Emergency Management Agency's (FEMA) Building Resilient Infrastructure and Communities (BRIC) grant program. Tasks included supporting the development of procurement documents in compliance with FEMA and federal procurement regulations.

Norfolk Coastal Storm Risk Management Project, City of Norfolk, VA, *City of Norfolk.* As Grants Management Specialist, supported the development of a strategic funding plan that provides a forecast of required encumbered funds needed through project completion, including identifying potential funding sources to meet future financial requirements.

Loan Program Management, Placer County, CA, *Confidential Client.* Grant and Funding Coordinator for loan administration support for a utility client under the Department of Energy's (DOE) Title 17 Clean Energy Financing program. Tasks include performing preliminary eligibility assessments for potential projects, collecting relevant information to be submitted to the DOE, and developing internal process documents outlining various procedures, including project identification and submittal.

RVAH20, City of Richmond, VA, *City of Richmond Department of Public Utilities.* As Grant and Funding Coordinator, delivered funding management services to Richmond by developing and operating an invoice tracker for updates to more than 20 combined sewer overflow projects funded by the American Rescue Plan Act, many of which focused on conveyance systems to high-rate disinfection facilities and storage tanks. Also supported the identification of additional funding opportunities and developed relevant applications.

2016 Hazard Mitigation Plan, Various Locations, MD, *Maryland Department of Emergency Management.* As Quality Assurance, performed quality assurance/quality control checks and drafted sections of the State of Maryland's 2016 Hazard Mitigation Plan update.

Community Development Block Grant – Disaster Recovery, Ponce, Puerto Rico, *Central Office for Recovery, Reconstruction, and Resiliency.* As Application Intake Specialist, deployed to Ponce, Puerto Rico, following hurricanes Irma and Maria to support the Central Office for Recovery, Reconstruction, and Resiliency (COR3) administer funds from the U.S. Department of Housing and Urban Development's Community Development Block Grant – Disaster Recovery (CDBG-DR). Tasks included soliciting feedback on program performance, restructuring application intake, establishing success metrics, and developing a brochure for the client's success stories.

Grant Program Support, Henrico, VA, *Henrico County.* Grant and Funding Coordinator developing an application to the EPA's Community Change Grants Program on behalf of Henrico County. The proposed project will extend the County's public water system to hundreds of residents relying on private wells to supply their drinking water. Many of these wells contain contaminants, such as PFAS, as revealed by the County's private well testing initiative. Residents who meet certain financial requirements will also have the opportunity to receive critical repairs to their homes, increasing their health and safety and decreasing the likelihood of future displacement. These repairs will be performed by a qualified community-based organization that has partnered with Henrico County for the grant application.

On-Call Consulting Services, Pottsville, PA, *Schuylkill County Municipal Authority.* Grant and Funding Coordinator assisting SCMA with accessing Congressionally Direct Spending received through appropriations, as part of services for Lead Service Line Inventory and Replacements/Distribution Main Replacements. Funding will be awarded through the U.S. Environmental Protection Agency's (EPA) Community Grants Program and the U.S. Department of Agriculture's (USDA) Rural Utilities Rural Water and Waste Disposal Grants. Specific tasks included the coordination of application development and submittal and providing general federal grants subject matter expertise.

Marylin Hadidian, PG

Environmental

➤ YEARS OF EXPERIENCE WITH GFT:
4

➤ YEARS OF EXPERIENCE WITH OTHER FIRMS:
21

➤ PERCENTAGE OF TIME DEDICATED TO CONTRACT:
50%

➤ EDUCATION:
MS, Geology, University of Florida, 2006

BS, Geology, University of Benin, 1994

➤ REGISTRATIONS:
Professional Geologist in Florida - No. PG2635 (+AL, SC, NC)

Marilyn brings more than 20 years of experience supporting environmental assessments, subsurface investigations, and regulatory coordination for infrastructure projects throughout Florida. For the City of Hollywood Stormwater Pump Station #16, Marilyn will support environmental due diligence, subsurface condition evaluation, and coordination with regulatory agencies to reduce permitting and construction risk and support efficient design and construction.

RELEVANT PROJECTS

Former Gulf Coast Metals Site Brownfield Site Assessment, Tampa, FL, *David J. Joseph Company.* Project Manager who led a well survey, geophysical survey, soil assessment, direct push groundwater assessment, monitoring well installation, groundwater sampling, investigation derived waste disposal, data evaluation and preparation of a Site Assessment Report (SAR). Also, led an excavation to remove contaminated site soil, backfill and site restoration, and a biological injection to assist with cleanup of groundwater impacted with chlorinated solvents.

Commercial Property Remediation Services, Hallandale Beach, FL, *FDEP.* Hydrogeologist/Project Manager for soil and groundwater remediation at a facility that historically operated as a gas station and is currently operating as a series of retail suites. Project involved supplemental soil and groundwater assessment, data analysis, underground injection control and construction permitting, and the design and installation of a bio-sparge treatment system with microbial inoculation bioaugmentation.

Lake City Gateway Airport Site Remediation, Lake City, FL, *FDEP.* Project Manager leading petroleum contamination site response action services. Environmental site assessment of a local airport and former naval facility to evaluate extent of horizontal and vertical hydrocarbon soil and groundwater impacts. Project involved utility locating, procuring offsite access agreements, installation of shallow and deep monitoring wells, solid waste management, and reporting.

Electric Energy Provider Facility, St. Petersburg, FL, *Confidential Client.* Geologist for initial due diligence, additional field assessment, data collection and evaluation, of industrial wastewater ponds. Provided permeability and flow data and recommendations.

Chemical Manufacturing Facility, Lakeland, FL, *Shell Oil Products US.* Geologist/Project Manager for the environmental site assessment and monitoring at a large-scale chemical manufacturing facility. Project involved scope of work budgeting, private utility location with electromagnetic and ground penetrating radar, deep well installations, soil sampling and analysis, slug testing, well abandonments, top of casing surveying, and groundwater sampling of shallow and deep aquifer systems.

Luis Morgado, PE

Traffic Control Plans

> YEARS OF EXPERIENCE WITH GFT:
4

> YEARS OF EXPERIENCE WITH OTHER FIRMS:
3

> PERCENTAGE OF TIME DEDICATED TO CONTRACT:
60%

> EDUCATION:
BS, Civil Engineering, Florida International University, 2020

> REGISTRATIONS:
Professional Engineer in Florida - No. 99353

Luis brings extensive experience in roadway design and maintenance of traffic for municipal and FDOT projects throughout Florida. He specializes in developing traffic control and maintenance of traffic (MOT) plans, including lane closure analyses, detours, pedestrian and bicycle accommodations, and construction phasing in accordance with FDOT standards and the MUTCD. Luis has supported complex, high-traffic urban corridors and coastal projects, supporting safe mobility for motorists, pedestrians, and cyclists during construction. For this project, he will be responsible for leading the preparation and coordination of traffic control plans to minimize disruptions and maintain public safety.

RELEVANT PROJECTS

Corridor, Subarea, and Special Transportation Studies, Tampa, FL, *FDOT, District 7.* Roadway Designer. GFT provided planning services to enhance production capabilities for corridor, sub-area, and special transportation studies. We assisted FDOT with studies, technical support, and product reviews for local agencies. The studies assessed existing corridor conditions and identified short- and long-term safety and mobility improvements. As part of the East Tampa Transportation Talk program, we analyzed operational safety and aesthetic upgrades for Nebraska Avenue and North 40th Street from Hillsborough Avenue to north of I-4.

I-75 Resurfacing, Restoration, and Rehabilitation, Broward County, FL, *FDOT, District 4.* Roadway Designer providing professional consulting engineering services to FDOT, District 4, for the I-75 resurfacing, restoration, and rehabilitation project that includes installing bicycle lanes in Broward County, Florida.

I-75 Resurfacing, Restoration, and Rehabilitation - S.R. 84 Mobility Improvements from Glades Parkway to Weston Road, Broward County, FL, *FDOT, District 4.* Roadway Designer for this mobility project aimed at enhancing safety for bicyclists within the City of Weston. The project consists of a preliminary study to evaluate alternatives to enhance bicycle facilities by widening existing paved shoulders and introducing a new shared-use path along SR 84 from Glades Parkway (MP 0.000) to Weston Road (MP 12.387). Following the study recommendations and coordination with the local municipality, GFT is providing final design services that include pavement widening, drainage, signalization, lighting, signage and pavement markings.

S.R. 5 and U.S. 1 at S.R. 838 Sunrise Boulevard Preliminary Design and Engineering Services, Fort Lauderdale, FL, *FDOT, District 4.* Roadway Designer for the PD&E study evaluating intersection improvements to enhance traffic operations, safety, and multimodal accommodations. The study assessed social, economic, environmental, and physical impacts to develop location and design concepts supporting pedestrian, bicycle, and transit facilities within a high-density redevelopment area.

Shawn Elliot, PE

Structural

> YEARS OF EXPERIENCE WITH GFT:
23

> YEARS OF EXPERIENCE WITH OTHER FIRMS:
9

> PERCENTAGE OF TIME DEDICATED TO CONTRACT:
60%

> EDUCATION:
BS, Architectural Engineering, The Pennsylvania State University, 1993

> REGISTRATIONS:
Professional Engineer in Florida - No. PE84520 (+VA, PA, DE, DC, NJ, MT, VT, KS)

Shawn has more than 30 years of experience providing structural engineering design and construction-phase services for municipal and utility infrastructure projects, including stormwater and wastewater pump stations, water treatment facilities, and flood-resilient structures. He has served as Structural Engineer of Record for complex pump station and water infrastructure projects, leading the design of reinforced concrete and structural steel systems, wet wells, control buildings, and associated foundations in coastal and flood-prone environments. Shawn has extensive experience coordinating with civil, mechanical, and electrical disciplines; performing condition assessments; developing construction documents; and supporting construction through shop drawing review, field observations, and QA/QC oversight. His background includes structural rehabilitation of existing facilities, design within constrained sites, and implementation of resilient design measures to enhance long-term performance and reliability.

RELEVANT PROJECTS

Master Pump Station 300 Rehabilitation, Dania Beach, FL, *Broward County.* Engineer of Record for the rehabilitation of MPS 300, which serves Broward County WWS District 3A, located in the southern region of Broward County, including portions of the cities of Dania Beach, Davie, and Hollywood. This rehabilitation project involves converting the existing wet well/dry well configuration into a modern inline booster pump station, within the existing structure's footprint. The overall upgrade will enhance system reliability, resiliency, and compliance with federal funding requirements.

Lake Belmar Stormwater Pump Station, Miami-Dade County, FL, *Miami-Dade County Department of Transportation and Public Works.* Engineer of Record for design of the Lake Belmar stormwater pump station study and design. The Miami-Dade County DTPW is installing a new 90 cfs stormwater pump station near Lake Belmar to address flooding issues. The station features a trench-type wet well housing a bar screen, and three axial submersible vertical can type pumps. A stormwater pre-treatment unit is provided ahead of the wetwell. After pumping, the discharge is directed to an energy dissipator structure to slow down the flow into the nearby water body. The scope of work included conducting field investigations, evaluating alternative stormwater pre-treatment technologies, developing preliminary and detailed design drawings and contract specifications for both the pump station and the seawall, estimating construction costs, leading the permitting, and providing engineering services throughout construction.

Nick Lewis, PE, ENV SP, PMP, Assoc. DBIA

Process Mechanical

> YEARS OF EXPERIENCE WITH GFT:
14

> YEARS OF EXPERIENCE WITH OTHER FIRMS:
1

> PERCENTAGE OF TIME DEDICATED TO CONTRACT:
50%

> EDUCATION:
BS, Environmental Engineering, The Pennsylvania State University, 2012

> REGISTRATIONS:
Associate Design-Build Professional (Assoc. DBIA), Design-Build Institute of America (DBIA), No. AS-5279,

Professional Engineer in Florida - No. PE93200 (MD, DC)

Envision Sustainability Professional (ENV SP)- No. 11304

PMI Project Management Professional (PMP) - No. 3132094

Nick is a senior water and wastewater engineer with extensive experience in the planning, design, and delivery of municipal pump station and conveyance projects. His background includes hydraulic modeling and flow analysis, pump station siting and replacement, pump and force main sizing, and interdisciplinary coordination across civil, structural, mechanical, electrical, and instrumentation disciplines. He has served in technical leadership roles on new and rehabilitated pump stations designed to address flooding, wet-weather flows, system reliability, and resilience to extreme weather events, and has supported projects from alternatives analysis and design through permitting, bidding, and construction administration.

RELEVANT PROJECTS

Broad Creek Wastewater Conveyance System Augmentation, Prince George's County, MD, *Washington Suburban Sanitary Commission.* Senior Project Engineer leading evaluation and design of a five-mile, 42- to 48-inch pressure pipeline with eight microtunnel drives, connections to existing PCCP force mains, and upgrades to the 60 mgd Broad Creek Sewerage Pumping Station. Work included hydraulic and flow analyses, evaluation of EQ storage alternatives to attenuate peak storm flows and avoid treatment process upgrades, and environmental and agency permitting coordination with NPS, MDE, and M-NCPPC.

Quad Avenue Sewage Pumping Station Engineering Design Services, Baltimore, MD, *Baltimore City Department of Public Works.* Technical Design Lead for technical quality and interdisciplinary coordination for evaluation and design services for a comprehensive upgrade to address operational capacity and performance deficiencies at an aging sewage pump station. The project involves evaluating current conditions, developing recommendations, and managing the design progress of upgrades to the station's critical components, including pumps, motors, and control and redundancy power systems, as well as enhancing resilience against extreme weather events and improving energy efficiency.

Linden Avenue Wastewater Pumping Station, Philadelphia, PA, *Philadelphia Water Department.* Project Engineer for the process mechanical design of the wastewater pumping station, including hydraulic calculations for force main and pump sizing. Responsibilities also included generating design drawings, specifications, and estimating probable construction costs, as well as coordination of the electrical, instrumentation, structural, and civil designs. Also attended progress review meetings with the client. The project included the replacement of the Linden Avenue pumping station, a 2 mgd station located in northeastern Philadelphia, which had reached the end of its design life and suffered safety and accessibility concerns. The selected alternative was to build a new submersible station adjacent to the existing one. This alternative allowed for minimal bypass during construction and eliminated accessibility and safety concerns.

Brian Seip, PE, CxA, CEA, REP, ENV SP

Electrical and Instrumentation & Controls

➤ YEARS OF EXPERIENCE WITH GFT:
29

➤ YEARS OF EXPERIENCE WITH OTHER FIRMS:
0

➤ EDUCATION:
BS, Engineering, Messiah University, 1997

➤ PERCENTAGE OF TIME DEDICATED TO CONTRACT:
50%

➤ REGISTRATIONS:
Professional Engineer in Florida - No. PE64916 (+ PA, DE, MD, CO, TN, TX, NM, FL, MO, KY, GA, IL, KS, MN, IN, ND, NE, WY, WA, MA, VA, CA, MS, MI, NY, DC, LA, SC, RI)

LEED AP Building Design + Construction - No. 6228-AP-BD+C

Amtrak Engineering Contractor Roadway Worker Protection Orientation - No. A-US-PA-0813-01560

Envision Sustainability Professional (ENV SP) - No. 2117

Certified Energy Auditor - No. 1089

Certified Renewable Energy Professional - No. 22

Brian is the Electrical Practice Director with extensive experience in the design of electrical and communication systems for transit, transportation, industrial, institutional, and commercial facilities. He leads design efforts across both public and private sector projects. As a Principal Electrical Engineer, he is responsible for the design, commissioning, and inspection of electrical systems in water and wastewater treatment plants, tunnels, transit stations, and buildings. With 28 years of experience and a portfolio of more than 1,000 projects, Brian brings proven expertise to this project, supporting the delivery of high-quality electrical an I&C solutions.

RELEVANT PROJECTS

Lake Belmar Stormwater Pump Station Study and Design, Miami-Dade County, FL, *Miami-Dade County Department of Transportation and Public Works.* Electrical Engineer for design of new 90 CFS stormwater pump station near Lake Belmar to address flooding issues. The pump station features an electrical power distribution system including standby diesel fuel generator that will supply three axial submersible vertical can type pumps. The stormwater discharge is directed thru an energy dissipator structure to slow down the flow into the nearby water body. The scope of work included coordinating with the electrical utility for power delivery to the site, development of preliminary and detailed design drawings and contract specifications for the pump station, estimating construction costs and planned engineering services throughout construction.

Center Street Water Treatment Plant Upgrade, Frackville, PA, *Pennsylvania American Water Company (PAWC).* Principal Electrical Engineer for technical review of design documents for an upgrade of the existing 1mgd Center Street Water Treatment Plant (WTP). Per- and Polyfluorinated Substances have been identified as a contaminant in three of the four groundwater supply wells at the Center Street WTP. GFT provided improvements, including granular activated carbon for PFAS treatment, a new transfer sump pump, and two glass-coated, bolted steel water storage tanks to provide equalization storage for process wastewater and supply of process backwashing.

General Engineering Consultant Services, Miami-Dade County, FL, *FDOT, District 6.* Senior Electrical Engineer with the GFT team functioning as an extension of the District staff, providing highly qualified personnel for various duties and responsibilities assigned through individual task work orders on an as-needed basis. The general engineering consultant contract primarily supports Transportation Development offices, including Design, Right of Way Administration, Program Management, and Planning and Environmental Management Office (PLEMO), but also provides support in other areas and offices of District 6, such as Modal Development and Transportation Operations (Maintenance, Construction, and Traffic Operations). Under this contract, was the Electrical Engineer/EOR of two drainage pump stations and generators for the SR 907/ Alton Road Reconstruction project, led by one of D6's Internal Design Groups.

Carolina Cubides, PE, PMP, ENV SP

Permitting

> YEARS OF EXPERIENCE WITH GFT:
8

> YEARS OF EXPERIENCE WITH OTHER FIRMS:
12

> PERCENTAGE OF TIME DEDICATED TO CONTRACT:
50%

> EDUCATION:
MS, Civil Engineering, Politecnico di Milano, Lecco, Italy, 2011

BS, Civil Engineering, University of Florida, 2005

> REGISTRATIONS:
Professional Engineer (PE), FL - No. PE80493

PMI: Project Management Professional (PMP), No. 1956905

Carolina brings experience in design management and project performance monitoring. She has led multidisciplinary teams through phases of development, including field investigations, permitting, and procurement, requiring coordination with clients, agencies, and stakeholders. Her ability to align teams with project schedules allows her to serve as an effective liaison, fostering transparency, responsiveness, and trust in project delivery.

RELEVANT PROJECTS

Master Pump Station 300 Rehabilitation, Dania Beach, FL, *Broward County.* Project Principal and Procurement Document Quality Assurance/Quality Control Reviewer for the rehabilitation of Master Pump Station (MPS) 300. The MPS 300 serves Broward County WWS District 3A, located in the southern region of Broward County, including portions of the Cities of Dania Beach, Davie, and Hollywood. The rehabilitation project involves converting the existing wet well/dry well configuration into a modern in-line booster pump station, within the existing structure's footprint. The overall upgrade will enhance system reliability, resiliency, and compliance with federal funding requirements.

Ocean Outfall Legislation Program-Wastewater System Priority Projects Program Management Support, Miami, FL, *MDWASD***.** Project Manager on the Owner's Representative Team overseeing design consultants, schedules, QA, risk registers, and stakeholder coordination for major projects at the Central and South District Wastewater Treatment Plants. Managed deliverables through e-Builder and supported task authorizations for North District projects. Key projects responsible for included new clarifiers, pump stations, chlorine contact chambers, injection wells, filter trains, and electrical substations.

Ocean Outfall Legislation Program-North District Wastewater Treatment Plant High-Level Disinfection System and Peak Flow Treatment Conceptual Design Report, Miami, FL, *MDWASD.* Project Manager for the conceptual design report at the North District Wastewater Treatment Plant under Task Authorization 22, leading a team of six consultants to define improvements for Ocean Outfall Legislation compliance. Coordinated with Operations to review process areas, including high-level disinfection facilities and supporting systems. Also managed the evaluation of converting the effluent pump station into a dual-purpose facility, addressing flow sequencing, header design, and sea level rise through 2040.

Ocean Outfall Legislation Program-Procurement for Injection Wells at South and Central District Wastewater Treatment Plant, Miami, FL, *MDWASD.* Project Manager overseeing procurement for SE-2 and CE-2, coordinating front-end document revisions with the client, maintaining the RFI log, and preparing addenda.

SE-2 included construction of three injection wells at the South District Wastewater Treatment Plant, and CE-2 included seven injection wells and four monitoring wells at the Central District Plant.

Central District Wastewater Treatment Plan Oxygen Production Facility Design-Build-Consent Decree Project 2.27, Miami, FL, *MDWASD.* Project Manager for design services on a new oxygen production facility, overseeing subconsultants and coordinating with the program and construction managers.

Lock 57 Water Treatment Plant PFAS Addition, East Vincent, PA, *Pennsylvania-American Water.* Project Manager for the project budget and financial performance. Conducted budget reviews, prepared scope amendments, and maintained monthly project controls. Coordinated with the design manager for assessing financial capacity and maintaining levels of effort. Issued monthly invoices and controlled expenses. The project consists of the addition of an 11 mgd transfer pump station (four vertical turbine pumps – three active, one spare - pumping from a wetwell sump) to pump filtered water from the existing filter effluent main prior to the clearwell to a new PFAS treatment system. The transfer pump station will be designed for gravity flow from the filter effluent main to the transfer pump station wetwell. The transfer pump station will be located in the PFAS Building and will include a pump room and an electrical room equipped with variable frequency drives for transfer pumps. The transfer pump station will also include two backwash pumps for backwashing of the PFAS treatment units. The backwash pumps will take suction from the clearwell. Transmission mains to and from the filter effluent main to the new PFAS treatment building are also included. The PFAS Treatment design is based on a maximum of 10 parallel, 20 total granular activated carbon (GAC) pressure vessels.

Kalmia Tank Booster Pump Station Replacement, Moreno Valley, CA, *Eastern Municipal Water District.* Project Manager. Design of the proposed booster pump station and corresponding pipeline. The booster pump station consists of two vertical turbine pumps with a duty point of 900 gpm in 245 TDH and one spare location, with approximately 1,200 feet of 12-inch pipeline. The project included a new building to house the pumping units, electrical equipment, and a standby emergency generator. Coordinated and led team and subconsultants in studies and design efforts, and coordinated with the district. Studies included acoustic evaluation, hydraulic modeling, and hydrology evaluation for site conditions. Carolina was responsible for coordinating with the design team, including civil, architectural, structural, process, building mechanical, electrical, and instrumentation disciplines; coordinating internal quality assurance/quality control reviews; and coordinating with the client on preferences, requirements, and operations.

Palos Verdes Lateral Pipeline Final Design, Palos Verdes, CA, *Confidential Client.* Project Controller and Project Engineer working on the final design for the Palos Verdes recycled water pipeline and Lago Seco pump station. The project includes the design of approximately 20,000 feet of 10-, 8-, and 4-inch PVC recycled water laterals, a pressure reducing and metering station, and a booster pump station design with primary pumps to serve the Palos Verdes Golf Course and smaller jockey pumps to meet overnight irrigation demands. Coordinating design and reviews with the design team and subconsultants, providing status updates to the client, and managing permitting activities.

Larchmont Area Sanitary Sewer Improvements, Norfolk, VA, *Hampton Roads Sanitation District.* Project Engineer establishing and maintaining the design schedule and project controls. Project consists of providing resilient design and construction solutions for three pump station replacements, three pump station rehabilitations, and service area improvement projects, including approximately 4,135 linear feet of 6- to 12-inch gravity sewer lines and approximately 660 linear feet of 6- to 12-inch interceptor force main. As part of the district's sanitary sewer master plan, various sewer pump stations were identified as needing rehabilitation/replacement because of flooding damage and aging infrastructure.

Yalda Sharafi, LEED Green Associate

Permitting

➤ YEARS OF EXPERIENCE WITH GFT:
1

➤ YEARS OF EXPERIENCE WITH OTHER FIRMS:
4

➤ PERCENTAGE OF TIME DEDICATED TO CONTRACT:
80%

➤ EDUCATION:
MS, Environmental Engineering, Florida International University, 2023

BS, Chemical Engineering, Azad University of Tehran

➤ REGISTRATIONS:
LEED Green Associate, U.S. Green Building Council (USGBC)

Yalda has hands-on experience supporting permitting efforts for infrastructure and environmental projects throughout Florida, working closely with agencies such as FDOT, FDEP, Broward County, and Miami-Dade WASD. Her background includes preparing and submitting construction completion packages, utility permits, license modifications, and regulatory closeout documentation for roadway, utility, stormwater, and remediation projects. Yalda is skilled in coordinating with internal teams, contractors, and regulatory agencies to see that permitting requirements are met efficiently and accurately. She brings a strong understanding of Florida's permitting processes, supported by a foundation in environmental engineering and regulatory compliance.

RELEVANT PROJECTS

A1A Utility Relocation Project, Hollywood, FL, *City of Hollywood.* Permitting and coordination support for multiple utility relocation efforts along A1A at various locations in Hollywood, Florida. Coordinated with internal teams, contractors, and external agencies on permitting-related activities. Assisted with scheduling, meeting participation, and preparation of documentation and meeting summaries, including pre-construction meetings. Reviewed shop drawings and supported regulatory compliance throughout construction. Task Order Projects include:

Franklin Street – Water and Sewer Utility Relocation, Hollywood, FL, *City of Hollywood.* Permitting and utility coordination for water and sewer relocation improvements. Coordinated permitting activities with internal project team members, contractors, and regulatory agencies. Assisted with meeting coordination, documentation preparation, and review of project submittals to support construction and compliance requirements.

Crocus Van Buren Utility Project, Hollywood, FL, *City of Hollywood.* Regulatory closeout and documentation support for utility construction activities. Gathered required documentation from contractors, municipal agencies, and the project team to prepare Record Drawings for FDOT closeout. Compiled and submitted the Certification of Construction Completion and Request for Clearance to Place Permitted Public Water System components into operation to the FDEP.

Sherman Street Utility Improvements, Hollywood, FL, *City of Hollywood.* Prepared and submitted Construction Completion permitting packages to the FDEP. Coordinated documentation required to support regulatory closeout with FDOT and FDEP, supporting compliance with state and local permitting requirements.

Ernesto Marin, FDOT CTQP

Construction Management Services

> YEARS OF EXPERIENCE WITH GFT:
4

> YEARS OF EXPERIENCE WITH OTHER FIRMS:
38

> PERCENTAGE OF TIME DEDICATED TO CONTRACT:
60%

> EDUCATION:
MS, Business Administration, University of Miami, 1998

BS, Administrative Computation, Monterrey Institute of Technology and Higher Education, 1983

> REGISTRATIONS:
FDOT CTQP Quality Control Manager in Florida - No. M65021060

FDOT CTQP Nuclear Radiation Safety in Florida

Ernesto will leverage more than 40 years of experience providing construction management, engineering during construction, and contract administration services for public infrastructure projects. He has managed construction for pump stations, flood control structures, electrical buildings, and resiliency upgrades throughout South Florida, coordinating closely with owners, contractors, and regulatory agencies. Ernesto's experience includes schedule and cost control, quality management, safety oversight, and integration of electrical and mechanical systems within active facilities. His background also includes managing FEMA-funded flood recovery programs and large, multi-site construction efforts, supporting projects from pre-construction through successful completion.

RELEVANT PROJECTS

Pump Stations Monitoring Panels Replacement, Okeechobee, FL, *South Florida Water Management District.* Project Manager for design and engineering during construction to replace existing engine monitoring panels for five different pump stations (S2, S3, S4, S7, and S8) by Lake Okeechobee. Design included new PLC-based monitoring panels, sensors, instrumentation, conduit, and wiring to provide emergency shutdown of the engines.

Big Cypress Basin Electrification and Generator Addition, Collier County, FL, *South Florida Water Management District.* Project Manager for design and engineering during construction for a new electrical building to accommodate a generator with automatic transfer switch at Faka Union 5 (FU-5). Work also included the electrification of Cork 1, Cork 2, CR951-1, and CR951-2 structures.

Structure S-151 Culvert Replacement, Fort Lauderdale, FL, *South Florida Water Management District.* As Project Manager for design and for engineering during construction, supervised structural design which included design calculations, studies, plans, and specifications. The design also included installing a new generator and control room including an automatic transfer switch. Oversaw opinions of probable construction costs, construction schedule, and operations plan.

Ocean Outfall Legislation Program - Wastewater System Priority Projects Program Management Support, Miami, FL, *Miami-Dade County Water and Sewer Department.* Construction Manager for the ST-2D-A electrical distribution building 3 at the South District wastewater treatment plant. GFT, as a subconsultant, is providing professional services related to Miami-Dade County's wastewater system priority projects on an as-needed basis.

Alejandro Uribe

Traffic Control Plans

> YEARS OF EXPERIENCE WITH GFT:
18

> YEARS OF EXPERIENCE WITH OTHER FIRMS:
0

> PERCENTAGE OF TIME DEDICATED TO CONTRACT:
50%

> EDUCATION:
MS, Civil Engineering, Florida International University, 2013

BS, Civil Engineering, Florida International University, 2008

> REGISTRATIONS:
Professional Engineer in Florida - No. PE75596

Alejandro brings more than 18 years of experience specializing in temporary traffic control planning and maintenance of traffic (MOT) for complex urban transportation projects. He has served as Engineer of Record for TTCP/MOT on numerous FDOT and municipal projects involving roadway reconstruction, interchange improvements, bridge construction, and constrained urban corridors. Alejandro has extensive experience coordinating traffic staging, detours, temporary signalization, and pedestrian accommodations while maintaining safe operations for the traveling public. His background includes close coordination with FDOT, local agencies, utilities, and contractors to support constructability, minimize impacts, and support compliance with Florida standards.

RELEVANT PROJECTS

S.R. 0968/West Flagler Street Reconstruction and Resurfacing, Miami-Dade County, FL, *FDOT, District 6.* Project Engineer responsible for preparing design and contract plan for the reconstruction and resurfacing of S.R. 968/West Flagler Street. The scope included reconstruction of a three-lane urban roadway, new lighting, signalization, a new drainage system, permitting, utility coordination, traffic control plans, and extensive coordination with South Florida Water Management District, Department of Environmental Resources Management, FDOT, City of Miami, Miami-Dade County, and adjacent projects. Responsibilities included geometric design, field reviews, and preparation of traffic control plans, cost estimates, and design-related reports.

S.R. 25/Okeechobee Road from East of NW 87th Avenue to NW 70th Avenue - Roadway Analysis, Structures, and ITS Services, Miami, FL, *FDOT, District 6.* Temporary Traffic Control Plan Engineer-of-Record (EOR) for this full reconstruction of SR 25 west of the SR 826/Palmetto Expwy interchange. This is one of five segments designed as part of a corridor-wide effort that extends to the Miami-Dade/Broward County line. The project scope includes new concrete pavement, widening of two existing bridges, re-aligning signalized intersections, and extensive coordination with adjacent corridor projects. GFT served as lead designer and engineer of record for Temporary Traffic Control, Structures, and ITS.

Bridges of the Isles and Sunrise Key Bridge Replacements - Design-Build, Fort Lauderdale, FL, *FDOT, District 4.* Roadway Engineer for this project to design four new bridges and one bridge replacement to provide connectivity between the Nurmi Isles finger islands, north of Las Olas Boulevard, with Florida S.R. 842 on the mainland. This project incorporated accelerated bridge construction techniques through the use of precast superstructure and substructure elements. Services included accelerated bridge design and construction in an environmentally sensitive area with Sea Grass within the project site. The project also involved complex temporary signalization/maintenance of traffic, traffic control plans, extensive utility coordination, geotechnical design, and public outreach and coordination with multiple community and agency stakeholders.

S.R. 826/Palmetto Expressway Segment 4 Widening, Miami, FL, *FDOT, District 6.* Roadway/TTCP Engineer-of-Recocrd for this limited access reconstruction project to relieve congestion on the SR 826 corridor, increase capacity, enhance safety, and address existing operational, structural, and functional deficiencies while providing additional travel options. The improvements consist of the addition of express and auxiliary lanes, reconstruction of the mainline and frontage roads, and improvements to two existing interchanges. The scope of the work included design and plan preparation for roadway, structures (two bridges, retaining walls, noise walls), drainage, lighting, signalization, ITS, TTCP, and signing and pavement marking components; utility coordination; and public involvement.

Maintenance Painting of Steel Bridges - Construction Engineering and Inspection, Jacksonville, FL, *FDOT, District 2.* Project Manager and Temporary Traffic Control Plan Engineer-of-Record for rehabilitating three steel bridges in Duval County, Florida. The bridges included S.R. 10A/Mathews Bridge at St. Johns River and U.S. 1, Bridge No. 720076; S.R. 10A at Palmetto Street, Bridge No. 720079; and S.R. 10/Alternate U.S. 90 at CSXRR, Bridge No. 720080. The scope of work included structures, bridge drainage, maintenance of traffic, utility coordination, and permitting.

University Drive Transit Operational and Safety Improvements, Broward County, FL, *FDOT, District 4.* Lead Roadway Engineer for this Broward County Metropolitan Planning Organization Mobility project of S.R. 817/ University Drive corridor to provide multi-modal, traffic operation, and safety improvements to pedestrian, bicycle, and transit facilities, including new designated and buffered bicycle lanes. The scope included a two-phase approach to these corridor improvements. First is the feasibility/conceptual phase for recommending improvements, work program segmentation, and cost estimating for funding in coordination with eight different municipalities. The final phase is final engineering, design, and plans production for improvements, including roadway, traffic control plan, drainage, signing and pavement markings, structures, and signalization.

Florida's Turnpike Homestead Extension Phase 3 Electronic Tolls - Design-Build Services, Miami-Dade and Broward Counties, FL, *FDOT, Florida's Turnpike Enterprise.* Project Engineer for this highway improvement project that consisted of converting two mainline toll plazas and 16 ramp toll plazas to all-electronic tolling on the Homestead Extension of Florida's Turnpike. The conversion included demolition, grading, paving, drainage modifications, maintenance of traffic, signing and pavement marking, lighting modifications, intelligent transportation systems, toll plaza fiber-optic connections, toll equipment installation, and architectural plans. Responsibilities included highway design and calculations, production of plans and reports, and preparation of MOT plans.

John Hogan, PE

Civil Site

➤ YEARS OF EXPERIENCE WITH GFT:
24

➤ YEARS OF EXPERIENCE WITH OTHER FIRMS:
3

➤ PERCENTAGE OF TIME DEDICATED TO CONTRACT:
60%

➤ EDUCATION:
BS, Civil Engineering, Florida International University, 1999

➤ REGISTRATIONS:
Professional Engineer (PE), FL - No. 60714; PR

FDOT Temporary Traffic Control Advanced Training, FL - No. 31937

John specializes in water, wastewater, and stormwater infrastructure projects, with extensive experience supporting the design of complex municipal drainage systems. He has led civil site design efforts including grading, drainage, site layout, utility coordination, and permitting for municipal and transportation clients. John is a licensed Professional Engineer in New Jersey and Pennsylvania and has worked on projects involving storm sewer systems, pump station-related infrastructure, force mains, culverts, retaining walls, and erosion control. He brings decades of practical civil engineering experience and a collaborative, detail-oriented approach to supporting flood mitigation and stormwater infrastructure projects from design through construction.

RELEVANT PROJECTS

Englewood Storm Sewer Drainage and Roadway Improvements, Miami, FL, *Miami Transportation and Capital Improvements Program Divisions.* Project Manager for drainage and roadway improvements in a neighborhood extending from SW 27th Avenue to SW 32nd Avenue and from SW 16th to SW 22nd Street. Improvements included roadway reconstruction, as well as roadway milling and resurfacing. Other improvements included replacing damaged sidewalks, curbs, and gutters; providing ramps compliant with the Americans with Disabilities Act (ADA); upgrading existing signs and pavement markings; and regrading existing swales.

S.R. 907 (Alton Road) from 5th Street to Michigan Avenue Project Development and Environment Study, Miami Beach, FL, *FDOT, District 6.* Drainage Engineer for design engineering services for this PD&E study for roadway and drainage improvements to S.R. 907/Alton Road from 5th Street to Michigan Avenue, including the 5th Street flyover ramp from eastbound S.R. A1A/U.S. Route 41/MacArthur Causeway. Other responsibilities included overseeing the preparation of the PD&E drainage report in coordination with FDOT's drainage department, the FDEP, the Miami-Dade County Department of Environmental Resources Management, and the South Florida Water Management District.

Minor Districtwide Projects (C-7329) - S.R. 60, FL, *FDOT, District 4.* Project Engineer for the preparation of plans, drainage design, and permitting for a restoration, rehabilitation, and resurfacing project that involved milling and resurfacing S.R. 60 from Indian River Boulevard to S.R. A1A and S.R. A1A from S.R. 60 to Cypress Road. The project also included the design of a new drainage system in a portion of S.R. A1A.

Gary Garbacik, PE, LEED Gr. Assoc.

Structural

> YEARS OF EXPERIENCE WITH GFT:
26

> YEARS OF EXPERIENCE WITH OTHER FIRMS:
4

> PERCENTAGE OF TIME DEDICATED TO CONTRACT:
50%

> EDUCATION:
BS, Architectural Engineering, The Pennsylvania State University, 1993

> REGISTRATIONS:
Professional Engineer in Florida - No. PE84520 (+VA, PA, DE, DC, NJ, MT, VT, KS)

LEED Green Associate, U.S. Green Building Council (USGBC)

Using his extensive experience performing structural inspection and design services for WW/W projects, Gary will review structures and provide quality, reliable structural repair and engineering designs. Gary's experience includes conducting inspections and developing design recommendations for renovations and repairs of various facilities, including W/WW treatment, pumping, and storage facilities. His structural expertise includes design of building additions, analysis of building framing for increased loads to accommodate expansions and strengthening and retrofit of building framing; evaluating the integrity of existing structures and coordinating with other design disciplines to determine foundation and support system requirements for structures and pipelines; developing conceptual and schematic-level design; and estimating construction costs of structural alternatives. Gary has served as Structural Engineer or Task Manager on 200+ projects.

RELEVANT PROJECTS

Lake Belmar Stormwater Pump Station Study and Design, Miami-Dade County, FL, *Miami-Dade County Department of Transportation and Public Works.* Civil and Structural Design Task Manager for installation of a new stormwater pump station and raised generator support structure. The pump station is a reinforced concrete structure with the top of the base slab approximately 28 feet below grade. Design included concrete weirs, bar screen supporting structures, and grating design. The generator support structure was a reinforced concrete slab with multiple support columns designed to allow water to flow through the structure in the event of a flood. The generator support structure is approximately 10 feet above grade.

Master Pump Station 300 Rehabilitation, Dania Beach, FL, *Broward County.* Quality Assurance/Quality Control Reviewer for structural design for the rehabilitation of MPS 300, converting the existing wet well and dry well configuration into a modern in-line booster pump station within the existing structural footprint. This $1.4 million comprehensive upgrade improves system reliability, strengthens resiliency, and complies with federal funding requirements.

Hopewell WTP Structural Evaluation Low-Service Pump Station, Hopewell, VA, *VAW.* Structural Engineer providing structural evaluation and developed improvement recommendations for the low-service pump station. Performed on-site inspections of the existing wood floor and wall systems, including selective removal of floorboards to assess substructure conditions. Coordinated with VAW staff to confirm loading and pump removal requirements. Completed structural analysis and designed wood floor reinforcements to support pump removal and replacement, along with repairs for deteriorated walls, roof support, and underlying concrete walls. Coordinated with the civil engineer on exterior drainage improvements.

Peter Petriccione, PE

Process Mechanical

➤ YEARS OF EXPERIENCE WITH GFT:
9

➤ YEARS OF EXPERIENCE WITH OTHER FIRMS:
27

➤ PERCENTAGE OF TIME DEDICATED TO CONTRACT:
40%

➤ EDUCATION:
MBA, Business Administration, Long Island University, 1994

BS, Chemical Engineering, Polytechnic University, 1989

➤ REGISTRATIONS:
Professional Engineer in PA, NJ

Peter brings 36 years of experience specializing in process and mechanical design for municipal pump stations and treatment facilities. He has served as project manager and process/mechanical lead on numerous stormwater and wastewater pump station projects, with expertise in hydraulic analysis, pump and equipment selection, and integration of electrical, controls, and SCADA systems. Peter has extensive experience delivering flood mitigation and resiliency projects, including facilities designed to withstand coastal flooding and extreme weather events. His background includes permitting, public bidding, and construction administration, supporting projects from planning through successful completion.

RELEVANT PROJECTS

Stormwater Pump Station Upgrades, Nassau County, NY, *Nassau County Department of Public Works.* Project Manager for design and construction-phase services for improvements to six stormwater pump stations in Nassau County, NY, including the Cedar Point Lake Pump Station, which was severely damaged during Superstorm Sandy. Work included design of a new cast-in-place concrete pump station and elevated electrical control building, rehabilitation of the tide gate system, standby power and SCADA upgrades, and bid and construction-phase support.

Pump Station Upgrades and Flood Mitigation, Nassau County, NY, *Nassau County Department of Public Works.* Project Manager for design and construction-phase services to repair and upgrade multiple south shore Nassau County pump stations damaged by Superstorm Sandy, including Inwood, Roslyn Road, Doughty Boulevard, and Bayview Avenue. Work included pump and VFD replacements, elevating electrical and generator connections above the 500-year flood elevation, structural wall reinforcements, louver modifications, and additional flood resiliency improvements, along with bid assistance services.

Glen Cove Area Collection System Improvements - Design On-Call Services, Nassau County, NY, *Nassau County Department of Public Works.* Project Manager for the design of a new force main discharging from the Central Homes pump station and the repair/replacement of an exposed gravity sewer line crossing a wetland in Glen Cove. Provided technical oversight during the development of a comprehensive engineering report to evaluate multiple options for repair/replacement, cost opinions, and recommendations for alternate solutions for each task. Also managed the development of construction documents and procurement of construction permits.

Pump Stations Nos. 9 and 10 Improvements, Suffolk County, NY, *Confidential Client.* Project Manager managing the design of upgrades to provide flood protection to existing pump stations. Prepared design documents for public bidding and construction of the new facility.

Kevin Smith, PE

Electrical and Instrumentation & Controls

> YEARS OF EXPERIENCE WITH GFT:
5

> YEARS OF EXPERIENCE WITH OTHER FIRMS:
4

> EDUCATION:
BS, Chemical Engineering, The University of Alabama, 2017

> PERCENTAGE OF TIME DEDICATED TO CONTRACT:
60%

> REGISTRATIONS:
Professional Engineer in NC

Kevin is an electrical and instrumentation & controls engineer with experience supporting municipal pump stations, stormwater infrastructure, and water facilities. He has served as an I&C designer on multiple stormwater and wastewater pump station projects, delivering SCADA integration, pump control systems, and instrumentation designs including P&IDs, I/O lists, control panels, and network architecture. Kevin has worked on projects in coastal and flood-prone environments, including stormwater pump stations in Florida designed for extreme storm events. His background also includes construction-phase support, controls integration for operating facilities, and coordination with multidisciplinary teams to deliver reliable, code-compliant automation solutions.

RELEVANT PROJECTS

Lake Belmar Stormwater Pump Station Study and Design, Miami-Dade County, FL, *Miami-Dade County Department of Transportation and Public Works.* Instrumentation & Control Designer for a new stormwater pump station with a capacity based on a 25-year, 72-hour storm. Designed and specified control system to monitor station water level, control pumps, and communicate with client SCADA system. Deliverables included P&IDs, I/O lists, control cable schedules, network architecture drawings, and instrument installation details.

31st Ward Pump Station Phase II, Pittsburgh, PA, *Pittsburgh Water and Sewer Authority.* Designed instrumentation and controls deliverables for new construction wastewater and stormwater municipal pump station with 5500 gpm capacity and on-site equalization tank. Deliverables included PWSA SCADA integration diagrams, P&IDs, control system layouts and specifications, I/O list, and installation details.

Duke Street Pump Station Rehabilitation, Alexandria, VA, *Virginia American Water Company.* Instrumentation and Control Designer for pump station improvements where water pumps were removed and replaced. Designed and specified control system to monitor station water pressures, control pumps, and communicate with client SCADA system. Deliverables included P&IDs, I/O lists, control cable schedules, and instrument installation details.

Water Supply Alternatives Study, Emmaus, PA, *Emmaus Borough.* Designed instrumentation and controls deliverables for the addition of on-site GAC/PFAS removal facilities rated for 550 gpm flow on existing freshwater well pump site. Deliverables included generating network diagrams for integration into existing on-site control system as well as specifying new control system for the GAC unit, P&IDs, control panel layouts and BOMS, I/O lists, and installation details for field instrumentation.

Seth Thompson, PE

CFD Modeling

➤ YEARS OF EXPERIENCE WITH GFT:
7

➤ YEARS OF EXPERIENCE WITH OTHER FIRMS:
2

➤ PERCENTAGE OF TIME DEDICATED TO CONTRACT:
25%

➤ EDUCATION:
BS, Civil Engineering, Utah State University, 2018

MS, Civil Engineering, Utah State University, 2019

➤ REGISTRATIONS:
Professional Engineer in UT, ID, CO

Rope Access Technician - Level I, Society of Professional Rope Access Technicians (SPRAT)

Seth is a hydraulic and hydrologic engineer specializing in stormwater and drainage modeling, flood routing, and hydraulic analysis for complex water infrastructure systems. He has extensive experience applying HEC-RAS, HEC-HMS, CFD, and GIS-based watershed modeling to evaluate drainage basins, pump stations, canals, outfalls, and flood control facilities. Seth has supported multiple South Florida projects, including pump stations and large-scale drainage systems influenced by low gradients, tidal conditions, and extreme rainfall events. His background includes alternatives analysis, basis-of-design support, and preparation of technical documentation to support permitting and stakeholder review.

RELEVANT PROJECTS

Central Everglades Planning Project South CFD-3D and Model Report, Miami-Dade County, FL, *Confidential Client.* H&H Engineer performing CFD and physical modeling. The final, large-extent CFD model covered approximately 2,500 feet of canal length to include portions of the L-29, L-30, and L-31N canals, the existing S-356 pump station and S-334 spillway structures, and the layouts for the proposed S-356E pump station and the S-334E spillway structure.

Restoration and Operation, Maintenance, Repair, Replacement, and Rehabilitation Project - S-426 Pumping Station, Labelle, FL, *SFWMD.* H&H Engineer responsible for coordinating the development of a 3D CFD model for a new 650 cfs, four bay pump station with suction bell intakes; and communicating the results to the client through technical reports and presentations. The pump station is designed to pump water from an existing canal into a new storage reservoir to provide flood control and environmental benefits.

Restoration and Operation, Maintenance, Repair, Replacement, and Rehabilitation Projects - Boma Flow Equalization Basin Conceptual Design, Labelle, FL, *South Florida Water Management District.* Hydraulic and Hydraulic (H&H) Engineer responsible for conducting a two-dimension (2D) hydraulic dam breach model and determining the hazard classification of a new earthen embankment dam constructed to create a new flow equalization basin (FEB) along the Caloosahatchee River. Other key responsibilities included the hydraulic design of a new outlet structure; development of a 3D CFD model for a 200 cfs, three bay pump station with suction bell intakes; and communicating the results to the client through technical reports and presentations.

Force Main Protection and Outfall Repair Alternatives Study, Lancaster, PA, *Suburban Lancaster Sewer Authority.* Hydraulic Engineer responsible for the design of an energy dissipation basin to address previous erosion and scour downstream of a 78-inch diameter wastewater outfall pipe and 36-inch diameter storm sewer pipe that discharges into the Conestoga River.

Edgar Fernandez

Regulatory Compliance

Arrow Group Consulting

➤ YEARS OF EXPERIENCE:
30

➤ PERCENTAGE OF TIME DEDICATED TO CONTRACT:
65%

➤ REGISTRATIONS:
Designated Professional Lobbyist

Edgar is a seasoned infrastructure and governmental affairs professional with more than 30 years of experience navigating federal, state, and local regulatory frameworks. He has led compliance-driven procurement and policy efforts for large-scale water, sewer, and public infrastructure programs, supporting alignment with environmental, growth management, and legislative requirements. Edgar regularly advises clients and public agencies on regulatory strategy, risk mitigation, and adherence to complex statutory and administrative rules. His background as a senior advisor, lobbyist, and intergovernmental liaison positions him as a trusted authority on regulatory compliance across infrastructure and public-sector initiatives.

RELEVANT EXPERIENCE

Partner, *Anfield Consulting.* Provided strategic consulting and planning for successfully securing consulting services contracts for projects associated with the implementation of water resource development and natural resource protection and restoration programs, as well as public infrastructure in education and transportation. Served as representative and spokesperson of clients in meetings with federal, state, regional and local governmental entities, members of the Florida Legislature, legislative branch staff, other stake-holders. As needed, represented clients as one of their designated lobbyists before the Executive Branch and the Florida Legislature during Regular/Special Sessions that may convene. Tracked proposed environmental and growth management bills; and secured legislators to serve as spokespersons advocating the position and goal(s) of our clients.

Senior Assistant Governmental Affairs/Policy Development, *Miami-Dade County Water and Sewer Department.* Served as intergovernmental affairs liaison between Board of County Commissioners, Mayor's staff, State/Federal legislators, municipalities, and agencies. Represented the department at meetings with water and sewer utilities, water and sewer associations, water management district, state and federal officials, high level government administrators and local / national trade, civic and business groups. Coordinated with NACWA, AWWA, FS/AWWA, FWEA and other water and sewer associations to see that the department's position on national and state water and sewer policy issues is considered when such organizations lobby for national and state water and sewer utilities.

Assistant to the County Manager/County Manager's Governmental Liaison, *Miami-Dade County.* Assisted the County Manager and senior staff in coordinating countywide operations and services, including policy development, infrastructure, transportation, public safety, and human services. Managed day-to-day office operations, procurement, budgeting, and personnel administration for the County Manager's Office. Coordinated intergovernmental matters among the Board of County Commissioners, municipal leaders, and county, state, and federal agencies.

Scott Reid, PSM

Surveying

Compass Point Surveyors, PL

➤ YEARS OF EXPERIENCE:
25

➤ PERCENTAGE OF TIME DEDICATED TO CONTRACT:
60%

➤ EDUCATION:
BS, Land Surveying, University of Florida, 1996

➤ REGISTRATIONS:
Professional Surveyor and Mapper in Florida - No. 6258

Scott has been active in surveying for more than 25 years and has been involved with various levels of the profession, from working as an instrument man on a field crew to serving as Director of Surveying for a prominent Engineering and Land Surveying company. His background includes training in GPS, GIS, Remote Sensing, Photogrammetry, Business and Surveying Law, Platting, sectional land history and retracement, and Coastal and Freshwater Mean High Water studies. Throughout his professional career, Scott has worked in a wide variety of surveying disciplines, including GPS and GIS projects, Florida Department of Transportation projects, commercial, residential, and government subdivisions, FEMA Elevation Certificates and Letters of Map Amendments, boundary and title surveys (including ALTA surveys), subsurface utility locations, condominium documents, and other specialized surveys. His work has supported organizations such as the Coast Guard, Veterans Administration, Lake Worth Water Drainage District, South Florida Water Management District, FDEP, attorneys, and the general public. Scott has even participated in recording and reporting field measurements for the Guinness Book of World Records. His leadership experience includes serving as an Officer in the United States Army, President of the Broward Florida Survey and Mapping Society Chapter, participation on the Florida Atlantic University Surveying Curriculum Committee, and holding various leadership roles within surveying firms. This extensive experience—combining diverse practical fieldwork with strong theoretical and academic training—sets Scott apart from many other professionals in the surveying field. Throughout his career, his highest priorities have consistently been quality of work and client satisfaction.

RELEVANT EXPERIENCE

Project Manager, *Compass Point Surveyors.* Transition surveying operation management from Clearwater to the Pompano Beach Office. Supervise the Surveying office for Compass Point (Field and CADD). Deal directly with clients, prepare proposals, manage ongoing and future projects.

Angela Alba, PE

Geotechnical Exploration

AREHNA Engineering, Inc.

➤ YEARS OF EXPERIENCE:
27

➤ PERCENTAGE OF TIME DEDICATED TO CONTRACT:
50%

➤ EDUCATION:
MS, Civil Engineering (Geotechnical) Massachusetts Institute of Technology, 1998

BS, Civil Engineering, University of Puerto Rico, 1995

➤ REGISTRATIONS:
Professional Engineer in Florida - No. 58538

Angela has provided geotechnical engineering services on numerous geotechnical explorations more than the past 27 years, including serving as the Geotechnical Discipline Lead for the I-595 Corridor Improvement project in Broward County, Florida, which is the first Public-Private-Partnership (P3) project ever awarded by FDOT. Angela has been involved in the planning, analysis, execution, and review of geotechnical projects ranging from roadway and railways to complex roadway bridge and tunnel projects to commercial high-rise buildings, school projects, and other local municipality projects. Angela has performed evaluations for retaining walls, drainage structures, shallow foundations, driven piles, drilled shafts, augercast piles, micropiles, and pressure injected footings. Angela's experience has also included finite element analysis, slope stability evaluations, soil nail wall design, and evaluation of geosynthetics applications, and geotechnical ground improvement techniques.

RELEVANT PROJECTS

Professional Engineering Continuing Services Civil Engineering Roadway, Hollywood, FL, *City of Hollywood.* Chief Geotechnical Engineer for this task work order contract, which has included the bridge replacement over the C-10 canal and includes milling and resurfacing and drainage improvements

Master Pump Station 300 Rehabilitation, Dania Beach, FL, *Broward County.* Chief Geotechnical Engineer for the proposed improvements to Pump Station 300, which included a new generator pad and concrete ramp. Scope includes design services and engineering services to Broward County Water and Wastewater Services during construction.

Continuing Services for Design Projects (Contract Nos. CAM59, CAJ57, CA982 & CA055), FL, *FDOT, District Four.* Chief Geotechnical Engineer for task work orders associated with roadway improvements that include roadway widening, traffic safety, lighting structures, overhead sign structures, mast arm structures, and drainage structures.

Consultant Services for Transit Surveys, Infrastructure, and Shelter Designs (RFP #PNC2119245P1), Project No. 2023-4-148, Infrastructure Improvements – Pumping Stations along SW 25 St, Ft. Lauderdale, FL, *Broward County.* Chief Geotechnical Engineer for this project, which consists of two new pump stations along SW 25th Street and located in the neighborhood of Boulevard Gardens. The pump stations will be embedded 17 feet below grade. AREHNA provided geotechnical recommendations for the design and construction of the pump stations. Recommendations included soil parameters for the sheet pile wall cofferdam design.

Andres Garcia

SUE

InfraMap Corp

> YEARS OF EXPERIENCE:
26

> PERCENTAGE OF TIME DEDICATED TO CONTRACT:
60%

> EDUCATION:
AS, Palm Beach State College, Palm Beach, FL

> REGISTRATIONS:
Certified Utility Location Manager

Certified Technical Locator & Instructor

ATSSA, Traffic Control Supervisor Certification

Confined Space Entry Training Program

FUCC Utility Coordination/ CSX Roadway Worker Protection Annual Certification

Andres is SUE Project Manager for InfraMap's Miami Gardens and West Palm Beach locations. He is proficient in managing SUE quality levels and is highly familiar with the ASCE Standards 38/75. As SUE Project Manager, Andres' duties include but are not limited to client communication, project estimation, schedule management, obtaining utility records and ROW permits, coordinating MOT/traffic control, supervising field crews, collecting field data, and assuring QA/QC of the field work to comply with clients' standards for deliverables. He is an accomplished survey party chief with experience in Total Station survey and data collector knowledge (electronic field book, TDS functions, and three wire bench runs and GPS/RTK on several designating and utility locating projects). Andres has completed SUE projects in Florida, Georgia, Virginia, South Carolina and Alabama.

RELEVANT PROJECTS

Design of the Southport 24' FM to Glades Booster PS, St. Lucie, FL, *City of Port St. Lucie.* SUE Project Manager: As subconsultant, InfraMap performed SUE services in support of planned improvements for a new 24" force main to divert up to 4 million gallons per day from the Southport Booster Pump Station to the Glades Wastewater Booster Pump Station. Oversaw the QLB designation of 72,000LF and the completion of 45 QLA test holes. Data was collected and processed according to ASCE 38 standard. Final deliverables (to date) were provided to the client on time and within budget.

Lead and Copper Rule Revision Project; Ft. Lauderdale, FL, *City of Fort Lauderdale.* SUE Project Manager: As subconsultant., InfraMap completed 528 QLA test holes, confirming the finite location, material type and condition for each hole under the lead pipe conversion study for the City of Ft. Lauderdale. Field data was collected, reviewed, and processed according to ASCE 38 standard, under his supervision. Final deliverables were provided to the client on time and within budget.

Palm Beach Lakes Service Road Subsurface Utility Engineering Services, West Palm Beach, FL, *McMahon and Associates.* SUE Project Manager performing SUE services in support of phase one of a planned inter-connection of Canal to Australian Ave. Oversaw QLB utility targeting and the completion of 61 QLA test holes. Field data was collected, reviewed, and processed according to ASCE 38 standard. Final deliverables were provided to the client on time and within budget.

TAB E

APPROACH TO SCOPE OF WORK

TAB E

APPROACH TO SCOPE OF WORK

E.1. UNDERSTANDING OF THE CITY NEEDS AND OBJECTIVES

The GFT Team understands that the Hollywood CRA Beach District seeks a resilient, constructible, and permittable stormwater solution to address chronic flooding along SR A1A between Jackson Street and Jefferson Street, where low roadway elevations, tidal influence, and a shallow groundwater table limit the effectiveness of the existing gravity drainage system. As documented in the City's BODR, the existing system experiences roadway flooding depths exceeding three feet during the 5-year storm event, and prolonged inundation during high-tide conditions.

HOLLYWOOD'S CRA GOALS

Objective: Design, Permitting and Construction Administration for Pump Station #16

- Eliminating roadway flooding for frequent storm events;
- Improving system performance under tidal and surge conditions;
- Providing net water-quality benefit to an impaired receiving waterbody;
- Minimizing impacts to traffic, adjacent properties, and public safety; and
- Delivering an infrastructure solution compatible with long-term coastal resiliency objectives.

The proposed 45-cfs (~20,200 gpm) stormwater pump station, discharging to the Intracoastal Waterway, directly addresses these objectives while accommodating the physical and regulatory constraints of the corridor.

The GFT Team is currently providing water and sanitary sewer utility relocation services for the City of Hollywood within this same SR A1A corridor, and therefore brings direct knowledge of site conditions, existing utilities, traffic constraints, and permitting requirements. This familiarity reduces the City's risk with cost control through efficient delivery. The GFT Team has the staffing depth across civil, structural, mechanical, electrical, and permitting disciplines to support this project without impacting other active assignments. Our ongoing work for the City within SR A1A corridor further enhances efficiency by leveraging existing stakeholder knowledge and coordination channels.

The GFT Team has a proven track record delivering complex coastal infrastructure projects involving high groundwater, active roadways, tidal influence, and multi-agency permitting. GFT employs a scalable staffing model, allowing resources to be adjusted as multiple projects progress concurrently while maintaining consistent service quality and responsiveness.

The GFT team brings the experience and detailed understanding for completing this project using a critical-path, milestone-based scheduling methodology that aligns design submittals with City review cycles and permitting timelines.

E.1.1. Anticipated Phases for Delivering the Project

- Validation of Stormwater Pump Station #16 location and design criteria – Evaluate critical design criteria and determine preferred alternative for defining pump station requirements including maintenance of operations, sequencing of construction, and constructability considerations.
- Detail Design, Permitting, and Bidding Support – Prepare permittable detailed engineering document in phased deliverables (30%/60%/90%) through Bid Ready or Contract Documents (100%) to issue for bidding. Support the City through bidding process for the selection of a qualified contractor.
- Engineering Services during Construction – Provide a dedicated team to review project submittals, RFIs, EOR site visits, and general coordination during construction.
- Construction Management and Inspections – Provide a dedicated and experienced Construction Manager to verify the project is built in adherence to the contract documents in a coordinated and meticulous manner so the Pump Station #16 project objectives are met.

To successfully deliver this project, it is critical to identify the project constraints early on. It is also important to include input from project stakeholders. ***In preparation for this project, our team has brainstormed potential technical constraints and proactively identified stakeholders and their potential input.***

E.1.1.1. Engineering Needs:

- Collaborative partnership with City staff
- Effective project phasing coordination
- Agile, flexible design team familiar with City standards and preferences
- Coordinated information for City's Public Engagement

Figure E-1. Site conditions observed by GFT staff during field reconnaissance to evaluate flooding constraints, access limitations, and constructability considerations.

E.1.1.2. City of Hollywood O&M Operational Needs:

- Access to pumps and valving for maintenance consideration
- Reliable power and ability to provide mobile or permanent emergency power
- SCADA and Instrumentation & Controls reliability
- Proven designs that focus on the end user's needs as well as align with other existing stormwater pump station operations

E.1.1.3. Florida Department of Transportation:

GFT will coordinated with ongoing SR A1A projects to avoid potential construction conflicts.

To gain a better understanding and in anticipation of this solicitation, our team has researched and visited the site to observe and capture potential technical and constructability challenges. These activities enable our team to be ahead of the curve, giving us a better understanding of the technical requirements, the City's standards, and the existing pump station site conditions. This proactive engagement will allow us to hit the ground running on this project and manage critical activities to maintain the schedule.

E.2. APPROACH

E.2.1. Project Management and Key Staff Roles

As Project Manager, **Lilian Marrero, PE,** will lead the project team and provide the leadership to complete the project within budget and on schedule while meeting or exceeding quality objectives. Lilian specialized in pump station design and will use her extensive experience and knowledge of industry standards, procedures, and preferences to verify the design team meets the City of Hollywood's objectives.

Lilian management approach focuses on communication, partnership, collaboration, and buy-in at every stage, from the client stakeholders and design team members. ***She is currently serving as Project Manager for the City of Hollywood Utility Relocation Project along SR A1A and will leverage this experience and established relationships with team members to successfully lead this project.***

At GFT our Project Managers are trained and use resources throughout the project life cycle. Lilian will be supported by the technical team and **Yurfa Glenny, PMP, ENV SP** who leads GFT Water Team in FL. Yurfa's prime focus is to be aware of project needs and support overall project success. As a standard practice, the Team develops a Project Execution Plan (PEP), a living document which outlines the scope, project requirements and deliverables, and describes the project team organization, communication protocols, quality control and quality assurance plans, work processes, schedules, budgets, and risk management plan. The project team will continually refer to and update this document throughout the project lifecycle.

To maintain design consistency and continuity, **Kyle Logue, PE,** as QA/QC Lead will direct the QA/QC process and direct expert multi-disciplinary technical resources to conduct the design reviews, partnering closely with Lilian to execute our Quality Management Plan and verify that our deliverables meet the City's standards for technical excellence, constructability, and compliance.**Jorge Orozco, PMP,** will perform a preliminary constructability review at the Preliminary Design Phase and a Final constructability review at approximately the 60% design review. Jorge brings a wealth of knowledge from having delivered similar in complexity projects in Broward and Miami Dade Counties.

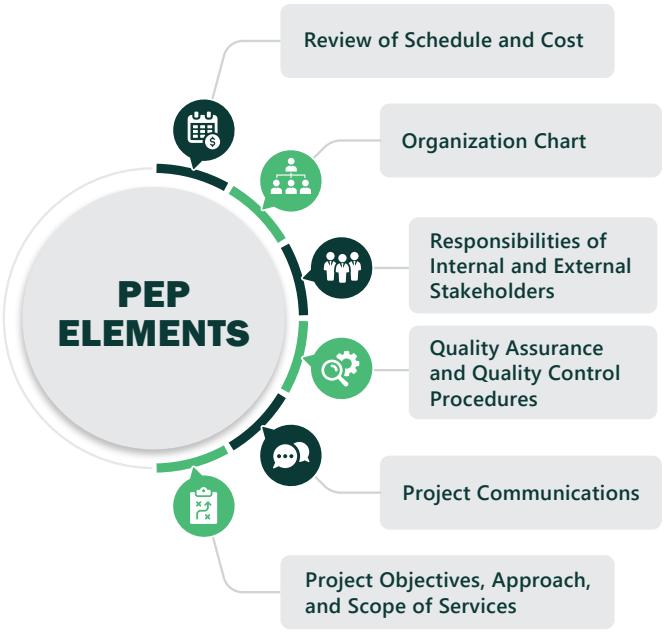


Figure E-2. Effective Project Management. Lilian will develop a PEP to establish responsibilities and accountabilities for the project team to help address the City's project needs efficiently.

The Project Manager has multiple tools to facilitate project delivery, including SharePoint, Microsoft Teams, Microsoft Project for design schedules, P6 for construction schedules, Deltek for tracking budgets, and Procore for tracking construction meeting minutes, risk matrices, RFIs, submittals, shop drawings and record drawing documents.

Lilian will oversee the multidisciplinary design coordination and lead the pump station process/mechanical design. Supporting disciplines including electrical and I&C design. Jorge Orozco will lead the constructability and construction management/inspection team. Our key staff have successfully worked together on dozens of pump station projects, providing design and/or construction management for a variety of clients, such as City of Hollywood, BCWWS, MDWASD, SFWMD, FDOT, City of Miami, City of Doral, and JEA in Florida. Our team will collaborate in a coordinated effort to meet schedule requirements.

E.2.1.1. Quality

GFT is committed to quality in all of our services through application of an effective and robust Quality Management System (QMS), and specifically in transit and rail services where our QMS is certified under the ISO 9001:2015 Standard; maintaining a culture of consistency in work products, continual improvement of our processes, and innovation in our technical solutions. Responsibility for meeting these principles is held at the highest level within the organization to make sure that we achieve the objectives of our projects while bringing high value to our clients.

Professional services that "meet the requirements of clients…" is embedded into GFT's Quality Policy and our QMS is how we adhere to this policy and its supporting objectives. Doing so prescribes that the organization:

- Instills the value that every employee is responsible for quality
- Promotes a continual improvement and Plan-Do-Check-Act mentality
- Subscribes to annual internal and independent, external (performed by a 3rd party ISO Registrar) auditing
- Verifies that quality is integral with our workflows, not "bolted on" afterward

At the project level, QMS provisions are incorporated into activities throughout the lifecycle of the assignment beginning with a proposal stage evaluation to confirm sufficient resources, qualifications, and understanding of scope for successful delivery. Prior to initiating work a thorough, documented project plan is developed describing how both quality and risk are to be managed based on scale and complexity of the job. During project execution, technical deliverables undergo multiple layers of formal QC/QA verification. At completion, the QMS requirements extend through project closeout focusing on identifying opportunities for improvement in the processes used and best practices applied.

Quality verification of our products include:

- Calculation verification
- Drawing and specification verification
- Report verification
- Computer application verification
- Schedule verification
- Project deliverable verification
- Unique verifications per project requirements

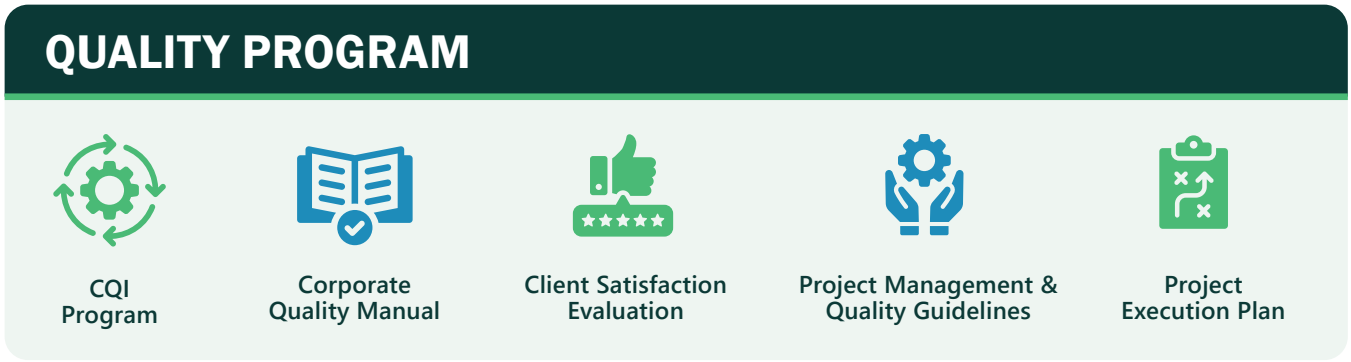


Figure E-3. Maintaining Quality. GFT's quality management tools help verify we deliver high-quality services and products to our clients. Collaborative reviews in Bluebeam Studio provide effective document management and support proper incorporation of edits and comments.

E.2.2. Proposed Design Schedule

The GFT Team will apply a critical-path, milestone-based scheduling methodology, aligning design submittals with CRA/City review cycles and permitting timelines. Early focus will be placed on outfall permitting and utility coordination to reduce downstream schedule risk.

A preliminary Project Schedule was developed to provide an initial window into project design duration. This Planning level schedule will be normalized with the City's Project Manager input to identify specific milestones required for the project.

Our proposed Project Schedule is located at the end of this Tab E.

E.2.2.1. Scope and Design Delivery

To develop a solid foundation for the design and construction of Pump Station #16, we will develop a scope of work inline with project needs.

The anticipated work breakdown structure for the scope of work include:

Tasks
Task 1: Project Management
Task 2: Field Investigations
Task 3: Detailed Design 3.1 Preliminary Design (30%) 3.2 Intermediate Design (60%) 3.3 Final Design (90%) 3.4 Bid Ready Contract Documents (100%)
Task 4: Permitting Support
Task 5: Bidding Support
Task 6: Engineering Services During Construction
Task 7: Construction Management/Field Inspections

E.2.2.2. Design Approach

Employing our design experience with other stormwater pump stations, including BCAD's Trails End Stormwater Pump Station and Miami-Dade Lake Belmar Stormwater Pump Station, our team will prepare an initial kick off meeting with the City's Project Manager, and Operations to Clarify and agree on the scope and schedule of the stormwater improvements and Pump Station #16. The team will initiate field investigations including topographic and bathymetric surveys, identify and perform soft digs to confirm underground utilities, and perform geotechnical investigations. The field investigation will allow to further determine site limitations. Given the limited space for the pump station, the survey will provide critical information for the preliminary design phase. Information on underground utilities and site setback constraints will help validate which option is selected and how these constraints can influence in the project's construction cost.

Additionally, leveraging 360-degree photos will allow us to document the surface existing conditions accurately. The technical team will start with validation of the information provided in the BODR, hydraulic modeling, as-builds.

- **Preliminary Design/Site Validation**

GFT's preliminary engineering phase will be driven by the desire to thoroughly and thoughtfully consider the depth and breadth of available information, provide clear detailed decision making such a final location of the stormwater pump station, and establish commitment to the design moving forward. Other factors, such as resiliency and hardening, community impact, permit requirements, constructability, operability, and project costs, will be included in the overall evaluation and preparation of the Preliminary Design TM and determination of the preferred location. We will conduct a design workshop to facilitate the understanding of the project and decision making. During the workshop, we will confirm the design intent and review the proposed design: this will be **Project Gateway No. 1.**

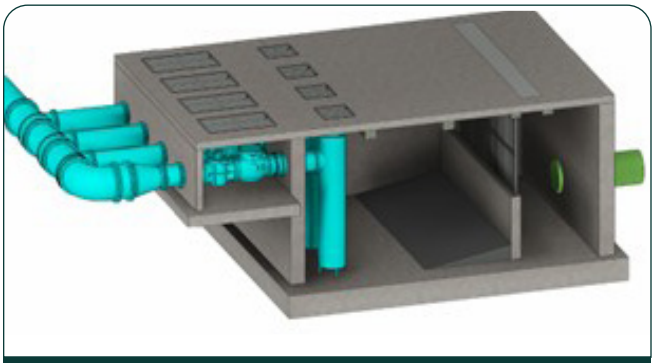


Figure E-4. Typical Preliminary Design Pump Station isometric..

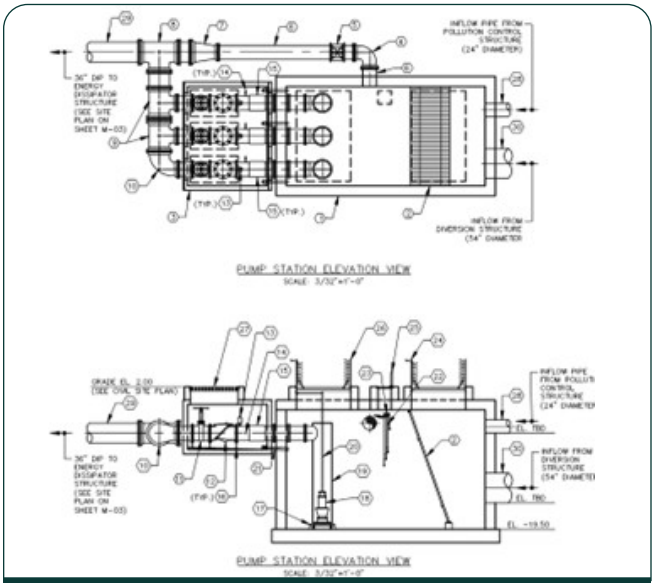


Figure E-5. Typical Stormwater Pump Station Preliminary Design Cross Sections.

E.2.2.3. Detailed Design Approach

Once the CRA/City approves the Preliminary Design, the design will progress the technical specifications, drawings, opinion of construction cost, constructability reviews, CFD H&H modeling to a 60% completion stage, and again we will conduct a separate design review workshop in which we will present the 3D models to conduct a walk through and discuss the design development. CRA/City staff will have sufficient time to review and provide feedback on the design progress, as the deliverables and workshops will be scheduled with a two-week period in between. These workshops will be **Project Gateway No. 2.**

We will follow a similar process to complete the **90% design documents** that will also initiate the **Permitting Phase.** As the CRA/City Project Management team and Operations review the design deliverable **(Project Gateway No. 3),** the team will submit the corresponding building permit applications, *the Broward County Surface Water License Modifications, FDOT, USACE, and SFWMD, and City of Hollywood.*

We will address and incorporate CRA/City's Project Management team and Operations review comments and permitting agencies review comments into the **Bid Ready design documents (100%)**. These will be finalized and submitted to the City, completing the design phase.

GFT will assist the CRA/City with the procurement process of a Bid Package, answering to prospective bidders' RFIs, and preparing addenda.

Our objective is to exceed the CRA/City's expectations and provide a design that is acceptable to the stakeholders under the critical deadline.

➤ Permitting Submittals

The installation of a new stormwater pump station will require close coordination with multiple permitting agencies to comply with current building codes and environmental regulations. Recognizing that each jurisdiction has its own interpretations and processes, we will initiate pre-application meetings with the respective permitting officials early in the design phase. These discussions will allow us to clarify code requirements, confirm submittal expectations, and better anticipate unique review steps that could otherwise slow permit approvals.

Our permitting strategy emphasizes proactive communication and collaboration among all stakeholders including the CRA/City, regulatory agencies, and other stakeholders.

We have found that assembling a complete and detailed package of drawings, calculations, and supporting documentation at the time of submittal

significantly reduces review times and minimizes the need for resubmittals. With our local and deeply familiar with South Florida's regulatory environment based on similar projects, we offer more than just procedural knowledge; we bring established working relationships with local reviewers, which enables us to navigate the permitting process efficiently and effectively.

The GFT team will provide an efficient, highly engineered project design that meets the City of Hollywood goals with the goal of continuing a successful Client-Engineer relationship for years to come.

Pump Station Design Elements of Interest

The anticipated specific scope of ancillary work requirements will cover noise control, aesthetic landscaping, electrical, SCADA controls, pump configuration, energy dissipator configuration, sequencing of construction, and constructability. Our proposal focuses on several elements of interest and how these will be implemented to address the project objectives and goals of the City.

Outfall and Intracoastal Discharge

The outfall system is a critical component of the project. The GFT Team will evaluate discharge velocities, tailwater conditions, and energy dissipation measures to demonstrate that the proposed discharge will not cause erosion or adverse impacts to the Intracoastal Waterway, consistent with SFWMD and USACE criteria.

Water Quality Integration

Consistent with the BODR, the design will incorporate an approved vortex-type pollution control structure upstream of the pump station to provide net water-quality benefit and pollutant load reduction to the Intracoastal Waterway, which is listed as nutrient-impaired.

Reliability

Pump station reliability is paramount, and we will evaluate redundancy in pumping and operating systems, emergency electrical feeds, and provide for temporary/emergency power and or bypass connections.

Instrumentation & Controls Design

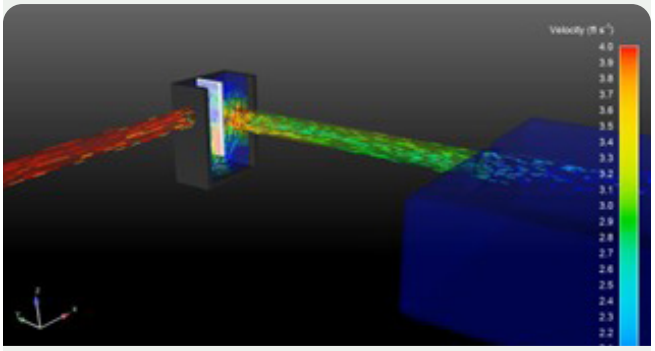
We will prioritize and identify control and monitoring requirements, and we will coordinate with the City to obtain input of the type of instrumentation, programmable logic controller (PLC), control panels, alarms, and telemetry required for the new system. It is anticipated that this pump station will follow other stormwater pump stations for consistency and will be incorporated into the existing City SCADA systems.

CFD Modeling

GFT's hydraulic engineers apply advanced 3D CFD models to analyze hydraulics and design, delivering cost-effective solutions for clients. Traditional hydraulic modeling, plus added CFD modeling enhances pump station design, enabling us to recommend revisions that improve pump performance, predicts energy dissipation performance for reducing velocities prior to discharge.

For the **North Bay Village Stormwater,** design 3D Computational Fluid Dynamics model simulations were performed to simulate the hydraulic conditions at the proposed energy dissipation structure. The dimensions of the structure were used for simulation. Changes to the geometry were made to achieve an exit velocity or less than 2 fps required by SFWMD (Environmental Resource Permit Applicant's Handbook Volume I) at the outlet of the pipeline. The baffle wall was adjusted within the energy dissipation chamber and pipe diameter and elevations were optimized.

Shown below are the CFD modeling results for the North Bay Village Energy Dissipation Chamber.



Engineering Services During Construction

During the construction phase, the GFT team would provide support to the CRA/City by answering RFIs, reviewing submittals, and participating in the construction progress meetings so that the construction of the project is following the design intent. During project closeout, as-built drawings will be prepared with the information provided by the contractor and on-site inspector.

E.2.3. Construction Services Approach

Led by Construction Manager, Jorge Orozco, our team will provide construction administration and resident inspection services during construction. We will also implement the requirements set forth in the City's Standards and Preferences, which are very clearly detailed and communicated. We will manage construction with continuous participation of the design team from notice to proceed (NTP) to start-up/close-out. There is no "hand-off" of the project between the design team and the construction management team. Team members achieve total project ownership and are held accountable for the constructability and operability of their designs.

We will assign a chief inspection during the construction phase who will work with our construction manager to properly execute the project within the stringent time schedule and provide real time status updates to the CRA/City throughout construction.

E.2.3.1. Communication and Documentation

Our project team will be prompt in providing daily logs, photos, reports, test results, meeting minutes, and other tracking documents to the CRA/City.

Jorge's local construction management experience in Broward County will facilitate smooth processing of contractor documentation submittals and pay requests.

Clear and concise communication between the CRA/City and the contractor will be coordinated by our Construction Manager when construction activities require the City's Operations, Electrical, or Instrumentation team involvement such as shut-downs, temporary telemetry setup for bypassing, or valve operations. We will continuously communicate with the CRA/City to identify areas that could affect operability. Our field staff will use technological devices, including mobile phones or tablets and construction management software/ programs to expedite document transfer and promptly address issues that may arise in the field. Proper documentation of construction activities will allow us to safeguard the CRA/City from claims and hold the Contractor responsible for the project contract and construction milestones.

E.2.3.2. Safety and Training

We will provide project inspectors cross-trained in Local, State, and Federal Safety guidelines and standards to promote public and worker safety.

Safety is our priority, and, although the contractors will be responsible for implementing and following safe work practices and procedures, we will monitor safety requirements and the responsibilities for safety programs for the project. We will reinforce that working individuals on the project site have knowledge of the Contractor's and CRA/City's safety guidelines and should be followed consistently and continuously.

E.2.3.3. Contractor Schedule

The construction manager will monitor the contractor's construction schedule, with an emphasis on critical path tasks. We request four-week look-ahead schedules at progress meetings and notify the contractor when a recovery schedule is necessary for timely completion of each project. The Construction Manager has experience reviewing and identifying time frames during which the contractor is required to submit submittals or coordinate permitting inspection.

Startup

Our Project Manager, Construction Manager, and/or Inspectors will assist the Contractor and City staff to plan and implement the startup of the pump station. Specifying the requirement for submission of time table for major installations and station equipment start-ups, allows parties to have an coordinated activities and verify the right City's Operations staff be present when needed. Our design and construction team will, alongside with the City's Pump Station Operations, Electrical and Instrumentation staff, will work through manufacturer and contractor issues to gain training on the units and to plan for optimizing operations in the future.

Public Involvement

Our Project Manager, Construction Manager, and Inspectors will assist with public awareness and participate in public meetings at the request of the CRA/ City's Project Manager. The team will notify the public of project status and any restrictions or impact to the public and surrounding area in coordination with the project schedule and when heavy construction activities are expected. Our team is well equipped to support City's in-house community liaisons and communications staff in hosting/attending public meetings, to assist with communicating project scope and impact and updating communications to the public.

Typical approach can include support with:

- Technology-Based Notifications: GIS-enabled project maps, e-mail/text alerts, interactive dashboards, and social media updates to keep residents informed of construction schedules, detours, and milestones.
- Virtual Engagement Tools: Online meetings, webinars, and Q&A sessions that allow convenient participation and feedback opportunities.
- On-Site & Traditional Communication: Clear signage, informational flyers, and direct mailers in project areas to reach various segments of the community.
- Educational Materials: Concise fact sheets, infographics, and videos explaining project benefits, timelines, and safety considerations in accessible, non-technical language.

Public Meetings & Workshops

Participation in City-hosted events and neighborhood meetings to answer questions and address concerns directly.

E.3. CURRENT WORKLOAD

GFT monitors and forecasts staffing availability to appropriately resource and commits the right personnel to the projects we undertake, from kickoff to construction conclusion. Knowing our staff's availability allows us to accurately develop schedules for successful project delivery. We have assembled our team of professionals based on their expertise in project management, stormwater management, and local engineering expertise as well as their availability for the duration of this program. The individuals assigned to this project will be available full-time, when required, to fulfill their tasks and schedule commitments. We forecast workload monthly and adjust resource allocation accordingly. Our team can efficiently execute this program. Integrating our current and projected workload and the anticipated schedule for this contract, our team can meet and sustain the necessary assignments to successfully deliver tasks under this project.

E.4. USE OF SUBCONSULTANTS

GFT has partnered with well experienced subconsultants to provide additional pump station design support. Our subconsultants further solidify our design team's objective and goals to provide an efficient pump station design and verify that the project is constructed as intended. Our subconsultants that will be fully integrated into our team are: AREHNA Engineering, Inc., Compass Point Surveyors, PL, InfraMap, and Arrow Group.

AREHNA will provide the design team with Geotechnical Engineering services, Compass Point Surveying will deliver topographical and bathymetric surveying services of the pump station site, and InfraMap will provide utility location via GPR and/or soft dig information. Arrow group will be These subconsultants will enhance our design team's abilities, while allowing our internal design professionals to focus on their respective tasks.

Table E-1. Subconsultant Integration. GFT will effectively integrate each of our subconsultants throughout the project phases, as applicable. We find great value in leveraging local CBEs to deliver various support services.

Firm Name	Planning/ Preliminary Engineering	Design Development	Construction Management/ Engineering Services During Construction
Arrow Group	Regulatory Compliance	Regulatory Compliance	
AREHNA Engineering, Inc.	Geotechnical Investigation	Geotechnical Design	
Compass Point Surveyors, PL	Surveying		As-built
InfraMao	GPR and soft digs for utility locates		

E.5. ABILITY TO SOLVE COMPLEX ISSUES AND CHALLENGES

E.5.1. Sea Level Rise Adaptation Design Considerations

South Florida is front and center on the effects of sea level rise (SLR) and its effects in all types of infrastructure projects. Currently South Florida, including the City of Hollywood, is dealing with saltwater intrusion threatening our groundwater sources. SLR also affects the life span of underground infrastructure and can attribute to increase in infiltration into sanitary sewer systems. SLR also impacts the ability for continuing or to maintain or provide adequate stormwater management and drainage of our local neighborhoods roadways in particular low laying areas into the future.

These issues will exacerbate the need for resilient infrastructure to continue to provide the level of service for South Florida residents and the City will have to incorporate infrastructure solutions to mitigate some impacts at the local level of responsibility. We understand that the solution is not for the City alone to tackle, but that the adaptation of these challenges will have to be in collaboration with agencies such as SFWMD, USACE, FEMA, FDOT, and other stakeholders. We are already working with local and State agencies on identifying and implementing infrastructure to mitigate future conditions.

E.5.2. Construction Considerations

GFT has supported clients with solving varying infrastructure issues, such as aging facilities, pump and motor problems, or surge and water hammer effects, space constraints, code compliance, regulatory

drivers, transited corridors, and others. Other constraints we addressed or advised our clients on were related to operations, funding, the need for optimization and energy savings, and workforce issues. Our team has designed new pump stations and rehabilitated existing facilities where we had to select pumping configurations to match technical requirements while also adhering to site limitations within residential areas. The definition of project success is not limited to construction completion. It is defined by seamless construction execution so that residents or businesses in the surrounding area aren't adversely impacted. We work with clients to add special conditions to contract documents for documenting, tracking, reporting, and closing third-party impacts. This includes audiovisual documentations and surveying existing conditions, controlling vibration and monitoring settling throughout construction, and providing final clearance.

Whether constructing new pipelines or building sewer or stormwater pump stations, our team is ready to apply sustainable solutions to meet the City's infrastructure challenges today and prepare your community for the future.

E.6. AVAILABLE RESOURCES AND TECHNOLOGY

GFT leverages a robust suite of industry-standard modeling tools to support planning, analysis, and design of water, wastewater, and stormwater systems. Our capabilities include full licenses for **Innovyze/Autodesk platforms such as InfoWater, InfoSWMM, and InfoWorks CS**, fully integrated with **Esri ArcGIS®**, allowing us to evaluate hydraulic performance, system capacity, fire flow, surcharge, backflow, and overflow conditions. These tools are routinely applied on large-scale water main replacement programs and complex urban drainage and stormwater networks, supporting data-driven decisions, prioritization of improvements, and validation of design requirements.

To supplement traditional modeling, GFT employs advanced CFD and physical modeling to optimize hydraulic performance and pump station design. Our engineers develop detailed 3D CFD models to evaluate flow behavior, reduce risk, and identify cost-saving design refinements, and we routinely collaborate with specialized hydraulics laboratories to test physical models where pump performance or complex hydraulics warrant additional validation. This integrated approach improves reliability, constructability, and long-term operations while reducing lifecycle costs for our clients.

GFT also brings leading-edge digital delivery, inspection, and visualization technologies to project execution. Our **BIM** program supported by dedicated **CAD/BIM** coordinators and Autodesk platforms including **Civil 3D, Revit, Plant 3D, and BIM 360** enhances coordination, clash detection, and constructability across disciplines. Field technologies such as drones with **LiDAR,** 360-degree cameras, time-lapse documentation, and **VR/AR** tools support safer inspections, accurate as-built documentation, efficient claims review, and enhanced collaboration between designers, inspectors, operators, and contractors throughout the project lifecycle.

E.7. PROPOSED SCHEDULING METHODOLOGY

For tasks assigned, our team will prepare and submit for review and approval, a project management control schedule, in Gantt Chart format, using MS Project software which will incorporate the work elements defined in the negotiated contract documents. The draft schedule will include the tasks and milestones necessary to provide an approved Bid-Ready Package, including the necessary permits, by the date to be specified by the City. We will submit the schedule to the City's Project Manager promptly on NTP. The schedule will be maintained on interactive eBuilder Microsoft Project Scheduler.

Allowances for City review will also be included as determined in final contract negotiations. Refer the a proposed design schedule on the following page.

E.7.1. Respond Quickly to Task Assignments

Smaller task order assignments must often be addressed quickly and efficiently—particularly when they are in response to emergency or urgent requests. This is not an uncommon occurrence for us. Our clients often use us as an extension of staff, and clients also use us for urgent needs. The task is initiated with a simple purchase order type of contract.

On some task order agreements, we include contingency "un-opened" tasks to be used to address urgent tasks without the need for additional paperwork. Owner risk is minimal because these tasks are typically of short duration where little budget can be expended.

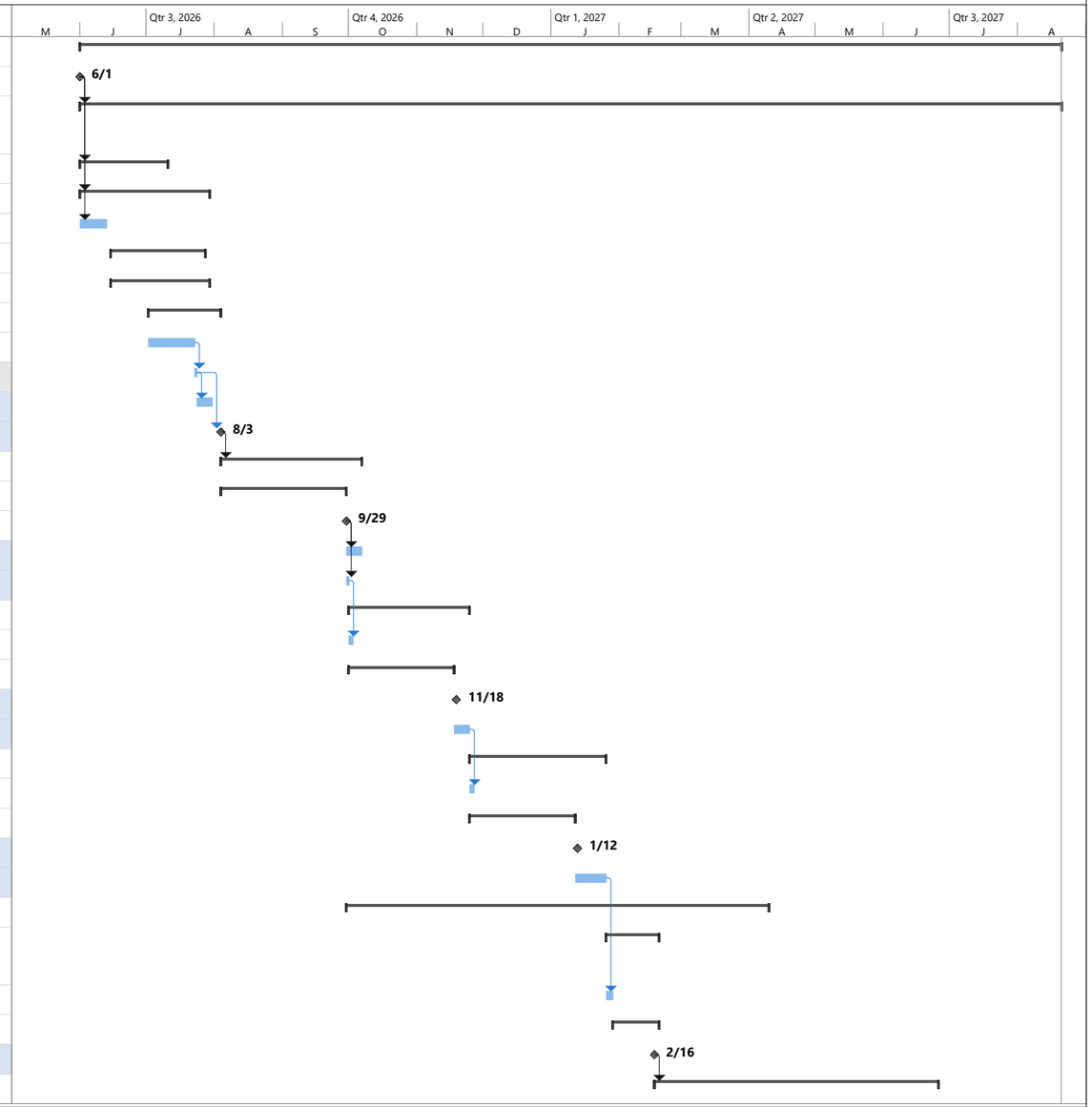
E.7.2. Ability to Complete Tasks on Accelerated Schedules

GFT can reach hundreds of employees with water utility experience at all levels: from planning to CAD design details. Our Program Leads, with decades of municipal utility experience, have experience with tasks requiring accelerated schedules. Our schedule tracking process allows us to evaluate whether we are performing on time and if we need to make any adjustments to rectify any instances when we are not meeting schedule requirements. Additionally, if warranted and feasible, we can embed staff in the City. This will reduce costs, improve communications and accessibility, and truly extend your staff.

E.7.3. GFT's Proposed Design Schedule

CITY OF HOLLYWOOD PROPOSED STORMWATER PUMP STATION 16
Design, Permitting and Bid Support Schedule

ID	Task Name	Duration	Start	Finish
1	**City Of Hollywood Stormwater PS 16**	**320 days**	**Mon 6/1/26**	**Fri 8/20/27**
2	Notice to Proceed (NTP)	0 days	Mon 6/1/26	Mon 6/1/26
3	**Task 1.1 - Project Management and General Coordination**	**320 days**	**Mon 6/1/26**	**Fri 8/20/27**
10	**Task 1.2 - Data Collection and Review**	**30 days**	**Mon 6/1/26**	**Fri 7/10/26**
20	**Task 1.3 - Field Investigations**	**43 days**	**Mon 6/1/26**	**Wed 7/29/26**
21	Internal Coordination (subagreements)	10 days	Mon 6/1/26	Fri 6/12/26
22	**Survey**	**31 days**	**Mon 6/15/26**	**Mon 7/27/26**
28	**Geotechnical Investigation**	**33 days**	**Mon 6/15/26**	**Wed 7/29/26**
34	**Task 1.4 - PS Location Validation**	**23 days**	**Thu 7/2/26**	**Mon 8/3/26**
35	Conceptual P.S. Layouts (2)	15 days	Thu 7/2/26	Wed 7/22/26
36	Submit Layouts	1 day	Thu 7/23/26	Thu 7/23/26
37	Client Review Period*	5 days	Fri 7/24/26	Thu 7/30/26
38	Review Workshop	0 days	Mon 8/3/26	Mon 8/3/26
39	**Task 1.5 - Preliminary Design Development (30%)**	**46 days**	**Tue 8/4/26**	**Tue 10/6/26**
40	**Drawings Development Period**	**41 days**	**Tue 8/4/26**	**Tue 9/29/26**
50	Submit to BCAD	0 days	Tue 9/29/26	Tue 9/29/26
51	Client Review Period	5 days	Wed 9/30/26	Tue 10/6/26
52	Review Workshop with BCAD	1 day	Wed 9/30/26	Wed 9/30/26
53	**Task 1.6 - Intermediate Design Development (60%)**	**39 days**	**Thu 10/1/26**	**Tue 11/24/26**
54	Address Client comments from 30% review	2 days	Thu 10/1/26	Fri 10/2/26
55	**Drawings and Specifications Development Period**	**34 days**	**Thu 10/1/26**	**Tue 11/17/26**
61	Submit 60%	0 days	Wed 11/18/26	Wed 11/18/26
62	Client Review Period*	5 days	Wed 11/18/26	Tue 11/24/26
63	**Task 1.7 - Final Design Development (90%)**	**44 days**	**Wed 11/25/26**	**Mon 1/25/27**
64	Address Client comments from 60% review	2 days	Wed 11/25/26	Thu 11/26/26
65	**Drawings and Specifications Development Period**	**34 days**	**Wed 11/25/26**	**Mon 1/11/27**
71	Submit to BCAD	0 days	Tue 1/12/27	Tue 1/12/27
72	Client Review Period*	10 days	Tue 1/12/27	Mon 1/25/27
73	**Task 1.8 - Regulatory and Permitting Support**	**138 days**	**Wed 9/30/26**	**Fri 4/9/27**
82	**Task 1.9 - Bid Ready Documents (100%) & Bid Assistance**	**18 days**	**Tue 1/26/27**	**Thu 2/18/27**
83	Address Client comments from 90% review	3 days	Tue 1/26/27	Thu 1/28/27
84	**Bid Package Development**	**15 days**	**Fri 1/29/27**	**Thu 2/18/27**
89	Submit Bid Package	0 days	Tue 2/16/27	Tue 2/16/27
90	**Bid Assistance* (Procurement Led Process)**	**93 days**	**Tue 2/16/27**	**Fri 6/25/27**



Task · Project Summary · Manual Task · Start-only · Deadline
Split · Inactive Task · Duration-only · Finish-only · Progress
Milestone · Inactive Milestone · Manual Summary Rollup · External Tasks · Manual Progress
Summary · Inactive Summary · Manual Summary · External Milestone

TAB F

KNOWLEDGE OF THE SITE AND LOCATION CONDITIONS

TAB F

KNOWLEDGE OF THE SITE AND LOCATION CONDITIONS

GFT brings direct, first-hand knowledge of the Stormwater Pump Station #16 project area, supported by prior design experience along the SR A1A corridor, completed site visits, and a detailed understanding of the physical features, regulatory, and operational constraints unique to this coastal location.

F.1. KNOWLEDGE OF THE SITE

The GFT team is familiar with the project area having design utility relocations for water, sewer and irrigation lines in the area to facilitate the implementation of other stormwater pump stations along SR A1A. We have conducted a site visit and walked through the areas for the proposed locations of Stormwater Pump Station #16 to familiarize ourselves with the constraints and challenges unique to this location. This site visit, GIS review of utilities in the area, and review of the BODR provides a more detailed understanding of the project site and its surrounding physical, regulatory, and future operational conditions.

The BODR proposed two alternatives for the location of the stormwater pump station, one alternative is located along the median of SR A1A (S. Ocean Drive) between Indiana Street and Georgia Street and the second alternative shows the PS on Jefferson Street. Both alternatives will be discharged to the Intracoastal Waterway.

F.1.1. Site Conditions and Flooding Characteristics

The project area is a low-lying coastal corridor that experiences recurring flooding during heavy rainfall events and king tide conditions, compounded by a high groundwater table typical of barrier island environments in Broward County. These conditions present challenges related to excavation stability, dewatering, buoyancy control, utility conflicts, and constructability. The team understands that design and construction approaches must account for groundwater intrusion, limited excavation depth, and protection of adjacent infrastructure.

F.1.2. Traffic, Access, and Urban Constraints

SR A1A is heavily traveled corridors that experience significant traffic congestion, particularly during peak hours, weekends, and special events and high tourist season. Construction activities within the median of SR A1A or Jefferson Street will require careful coordination to maintain traffic flow, emergency access, pedestrian safety, and access to adjacent properties. The GFT team has experience designing and supporting construction in similarly constrained urban and coastal environments and understands the need for phased construction, limited staging areas, and detailed traffic control plans coordinated with the City and FDOT. Most recently, the team completed traffic control plans for SR A1A from

Figure F-1. Site conditions observed by GFT staff during field reconnaissance to evaluate flooding constraints, access limitations, and constructability considerations.

Sherman to Sheridan, Franklin to Desoto and Crocus to Van Buren St. for the water, sewer and irrigation pipeline relocation project. The team worked in close coordination with the City of Hollywood and FDOT for the design and permitting of the traffic control plans.

F.1.3. Groundwater and Construction Considerations

Given the shallow groundwater conditions, the team recognizes the importance of incorporating constructability considerations that address dewatering limitations, uplift forces, and long-term structural stability. Design considerations will include buoyancy analysis, corrosion-resistant materials, watertight structures, and constructability measures that reduce risk during excavation and installation. These factors will be addressed early in design to support contractor means and methods and minimize construction risk.

Figure F-2. Underground Utilities in Stormwater Pump Station #16 Basin.

F.1.4. Permitting and Regulatory Coordination

The Project Team including Lilian Marrero, PE your Project Manager has direct experience coordinating permits and approvals with all agencies anticipated for this project, including:

- USACE for work associated with the Intracoastal Waterway Outfall
  - Lake Belmar Stormwater Pump Station (90 cfs)
- SFWMD for environmental resource permitting and stormwater discharge considerations
  - Lake Belmar Stormwater Pump Station (90 cfs)
- Broward County Environmental Protection and Growth Management Department (BCEPGMD)
  - Master Pump Station 300, Broward County Water and WW Services
  - Fort Lauderdale Airport Outfall Improvement, Broward County Aviation Department
- FDOT as applicable for roadway and traffic-related elements
  - Johnson Street Culvert Improvements
  - Utility Improvements on SR A1A from Sherman St. to Sheridan St.
  - Utility Improvements on SR A1A from Franklin St. to Desoto St.
  - Utility Improvements on SR A1A from Crocus St. to Van Buren St.
- City of Hollywood

Lilian recently secured permits with USACE and SFWMD for the 90 cfs Lake Belmar Stormwater Pump Station discharging to Biscayne Bay and an area with similar characteristics. We bring past experience with

Figure F-3. Site conditions observed by GFT staff during field reconnaissance to evaluate flooding constraints, access limitations, and constructability considerations.

all the agencies listed above and familiar with local permitting procedures, submittal requirements, agency review processes, and construction-phase inspection and testing protocols. Early coordination with permitting agencies will be emphasized to identify constraints, streamline approvals, and reduce schedule risk.

F.1.5. Public Safety and Operational Awareness

We understands that this project will be constructed in a highly visible, publicly accessible area, requiring careful attention to public safety, coordination with City staff, and clear communication with stakeholders including FDOT. Experience working within occupied and active roadways will inform design decisions related to access, staging, sequencing, and safety during construction.

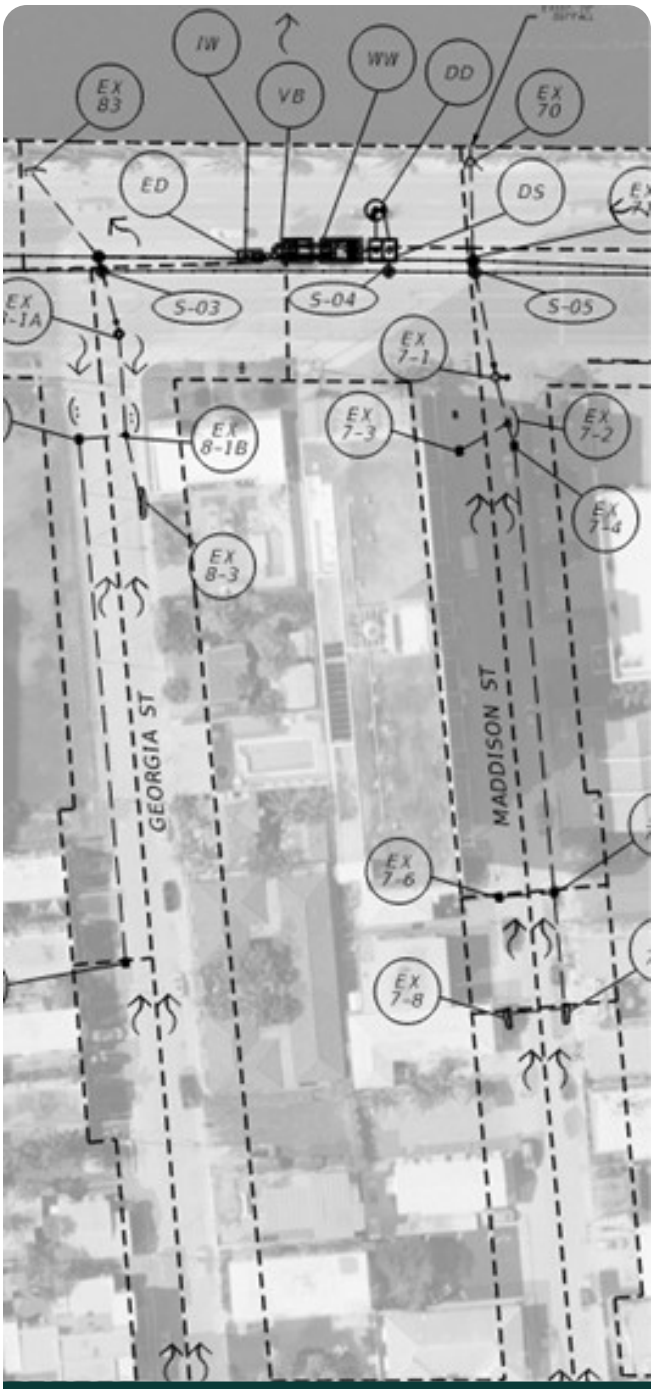


Figure F-4. Stormwater Pump Station #16 Alternative 1 Location per BODR.

F.1.6. Local Experience and Site Familiarity

Based on direct site familiarity and extensive experience delivering infrastructure projects in coastal South Florida, GFT is well-positioned to anticipate and address the site-specific challenges associated with flooding, traffic congestion, high groundwater, and regulatory coordination. Our local knowledge will be leveraged to deliver a resilient, constructible, and compliant stormwater pump station that meets the City of Hollywood's operational and resiliency objectives.

F.2. SUMMARY

The GFT team demonstrates a thorough understanding of the Stormwater Pump Station #16 project site and the applicable City of Hollywood, Broward County, SFWMD, USACE, and FDOT requirements governing design and construction within a low-lying coastal environment. Our approach reflects direct site familiarity, prior experience along the SR A1A corridor, and working knowledge of Florida Building Code, FDOT Design Standards, and local stormwater and right-of-way criteria. We bring extensive experience delivering projects in areas subject to high groundwater, tidal influences, and hurricane exposure, with designs that account for flood elevations, buoyancy, corrosion, and hurricane wind loading. The team has proven expertise coordinating permits, reviews, inspections, and testing protocols with USACE, SFWMD, FDEP, Broward County, FDOT, and the City of Hollywood. Additionally, we have successfully executed projects in constrained, highly trafficked, and publicly accessible environments, maintaining public safety and continuous operations through phased construction, detailed MOT planning, and close coordination with stakeholders.

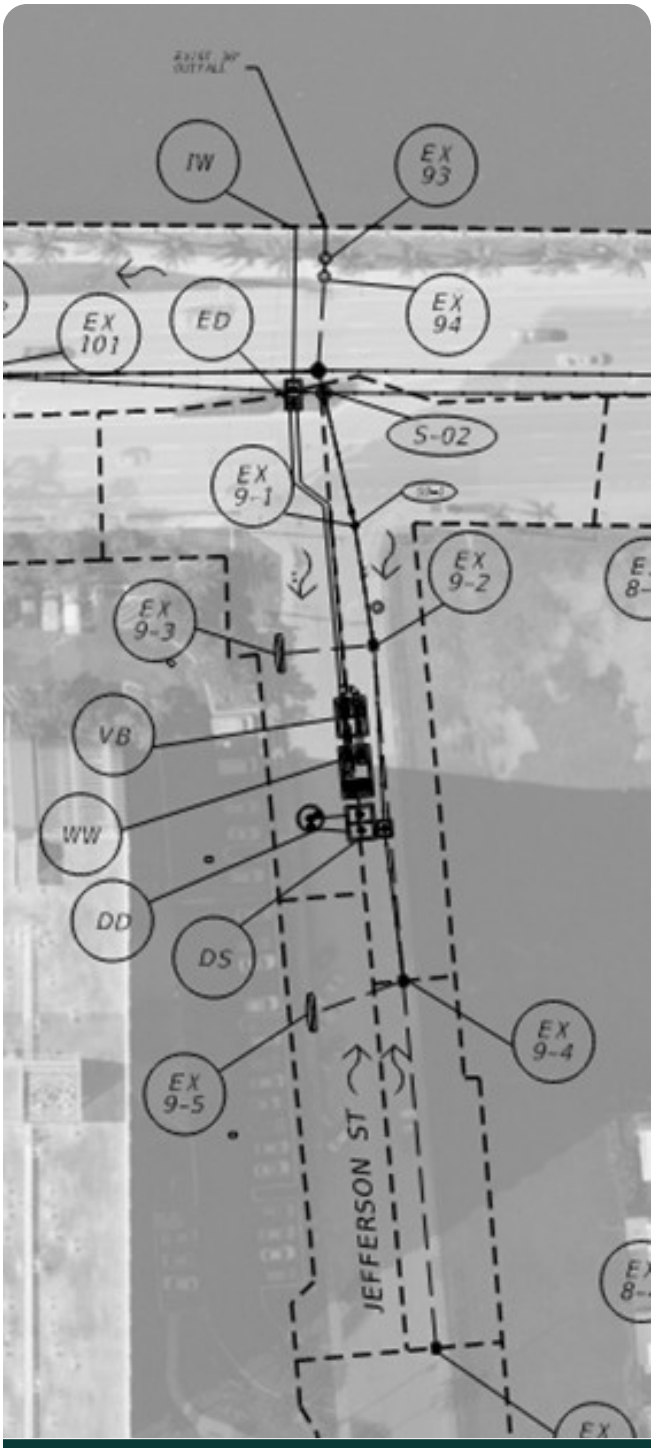


Figure F-5. Stormwater Pump Station #16 Alternative 2 Location per BODR.

TAB G

REFERENCES - VENDOR REFERENCE FORM

TAB G

REFERENCES

Our clients consistently provide outstanding references that speak to the quality, reliability, and professionalism of our work. They highlight our team's responsiveness, technical expertise, and ability to deliver accurate, high-quality deliverables on time and within budget, even on complex and high-visibility infrastructure projects. Clients also emphasize our collaborative approach and leadership, noting that we are a trusted partner they would confidently select again for future assignments.

Table G-1: Vendor Reference Form. GFT has included Vendor Reference Forms within this section from the Client References listed within this table.

Referenced Project	Organization/Contract Reference	Date Services were Provided
1. Lake Belmar Pump Station	**Client:** Miami-Date County Department of Transportation and Public Works **Name:** George Sibilia **Title:** Engineer II/Project Manager **Phone #:** 305.375.3244 **Email Address:** sibilg@miamidade.gov	02/2022 - Ongoing
2. Master Pump Station 300 Rehabilitation	**Client:** Broward County Water and Wastewater Services **Name:** Merle Medina **Title:** Expansion Project Administrator **Phone #:** 954.831.0791 **Email Address:** mmedina@broward.org	03/2025 - Ongoing
3. Ocean Outfall Legislation Program	**Client:** Miami-Date County Water and Sewer Department **Name:** Daniel Lizarazo **Title:** Senior Program Manager **Phone #:** 305.205.0902 **Email Address:** daniel.lizarazo@miamidade.gov	2017-Ongoing

Lake Belmar Stormwater Pump Station Study and Design

Miami-Dade County DTPW, Miami-Dade County, FL

RELEVANT FEATURES:

- Project Management & Coordination
- Stormwater Pump Station
- CFD Modeling
- Design Development
- Cost Estimating and Scheduling
- Constructability Evaluation
- Risk Mitigation
- Resiliency/Sea-Level Rise Considerations
- Permitting
- Public Engagement Support
- QA/QC
- Bid Phase Services*
- Construction Administration & Support*

**Upcoming Project Phases*

KEY STAFF:

Yurfa Glenny
Lillian Marrero
Brian Seip
Shawn Elliot

COMPLETION DATES:

2/2022 - Ongoing

Miami-Dade County DTPW needs to install a new stormwater pump station in the area of Lake Belmar to mitigate flooding. The stormwater pump station will be located at the empty land within County Right of Way (ROW) located East of the intersection of Bayshore Drive and NE 88 Street. The primary service area for the pump station is bound by Biscayne Boulevard on the west, Biscayne Bay on the east, NE 91st Street on the north, and NE 87th Street on the south. This neighborhood in Miami-Dade County includes mostly residential developments and some commercial and office developments. The stormwater pump stations project consists of the evaluation of two pre-treatment units to determine the feasibility to reduce or limit potential nutrient loading from runoff into Biscayne Bay and provide recommendations to DTPW on recommended technology.

GFT provided services including sizing and design for a new 90 cfs stormwater pump station with configuration of three submersible pumps, new wet well structure, electrical improvements, standby power generation facility, SCADA, sea level rise (SLR) consideration, water quality pretreatment system evaluation. The pump station includes an energy dissipating structure as outfall to comply with required discharge velocities at Biscayne Bay and a new seawall. The submersible pumps are suspended from top off the wet well slab inside vertical can with intake bell configuration. From the wet well, stormwater will be pumped to an energy dissipator structure with the purpose of reducing the discharge velocities and mitigating erosion in Biscayne Bay.

Upstream of the pump station, a multistage filtration system will capture sediment, litter, foliage, phosphorous, nitrogen, heavy metals, hydrocarbons, and other organic materials, and allow for nutrient removal prior to discharging into Biscayne Bay. Hydrologically, this new pump station must meet functional objectives considering current design storm criteria and future SLR projections for South Florida. Site specific adaptive management strategies were considered throughout the design to harden the facility against future SLR, including elevating elements critical to maintaining the facility in operation such as control panels, emergency generators, and fuel storage above Category 5 Storm Surge elevation.

The scope of services include project management, multidisciplinary design including site civil, mechanical, architectural, structural, geotechnical, electrical, instrumentations and control. GFT led the coordination with regulatory agencies including Miami Dade County Building Department, USACE, and SFWMD. GFT also coordinated with Florida Power and Light (FPL) as part of required power supply feasibility studies in utility planning.

FORM 4

VENDOR REFERENCE FORM

City of Hollywood Solicitation #:	RFQ-365-26-JJ
Reference for:	GFT Infrastructure, Inc.

Organization/Firm Name providing reference:	Miami Dade County Department of Transportation and Public Works		
Organization/Firm Contact Name:	George G. Sibilia	Title:	Engineer II/Project Manager
Email:	sibilg@miamidade.gov	Phone:	305.375.3244
Name of Referenced Project:	Lake Belmar Pump Station	Contract No:	EDP-MT-20200310
Date Services were provided:	02/14/2022 - Present	Project Amount:	$308,015.20
Referenced Vendor's role in Project:	☒ Prime Vendor	☐	Subcontractor/ Subconsultant
Would you use the Vendor again?	☒ Yes	☐	No. Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary): Professional engineering services for the detailed design of stormwater pump station and seawall including alternative evaluation of stormwater pre-treatment technologies, detailed design drawings (site civil, process mechanical, structural, electrical, instrumentation and controls), and contract specifications for pumpstation and seawall, cost estimate, permitting (USACE, FDEP, SFWMD, Miami-Dade County),and engineering services during construction.

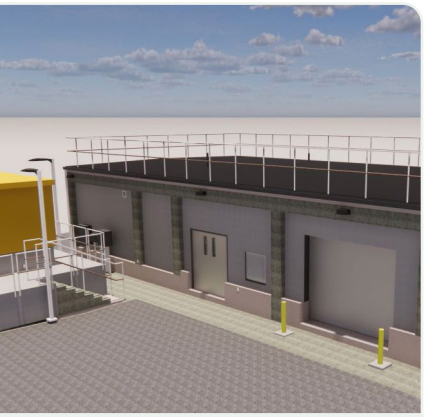
Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	☐	☐	☒	☐
b. Accuracy	☐	☐	☒	☐
c. Deliverables	☐	☐	☒	☐
Vendor's Organization:				
a. Staff expertise	☐	☐	☒	☐
b. Professionalism	☐	☐	☒	☐
c. Staff turnover	☐	☐	☒	☐
Timeliness/Cost Control of:				
a. Project	☐	☐	☒	☐
b. Deliverables	☐	☐	☒	☐

Additional Comments (provide additional sheet if necessary):
The Gannett Fleming Inc. team (now GFT Infrastructure Inc.) was instrumental for project success. Their team's leadership, technical expertise, collaborative approach, and passion for service were key. Proved to be a team we can rely on.

****THIS SECTION FOR CITY USE ONLY****						
Verified via:	Email:	☐	Verbal:	☐	Mail:	☐
Verified by:	Name:				Title:	
	Department:				Date:	

Master Pump Station (MPS) 300 Rehabilitation

Broward County Water and Wastewater Services



RELEVANT FEATURES:

- Water/Sewer Design
- Multidisciplinary Engineering Services
- Project Management & Coordination
- Civil/Site Design
- Mechanical Design
- Electrical Design
- I&C SCADA
- Structural Design
- Regulatory & Stakeholder Coordination
- Permitting
- Construction Phase Services

KEY STAFF:

Yurfa Glenny
Lillian Marrero
Brian Seip
Shawn Elliot
Jose Abinazar
Jorge Orozco

COMPLETION DATES:

3/2025 - Ongoing

The MPS 300 Rehabilitation project is being implemented by Broward County to improve wastewater conveyance and resiliency within District 3A, which serves portions of Dania Beach, Davie, and Hollywood. The existing wet well/dry well configuration will be modernized into an in-line booster pump station to enhance system reliability, resiliency, and compliance with federal funding requirements. The facility is being redesigned entirely within the existing structural footprint to minimize site impacts and maximize efficiency.

GFT has provided project management services, developed pre-purchase technical specifications for horizontal pumps and electrical equipment, and is performing the multidisciplinary detailed design, including civil, process mechanical, structural, architectural, electrical, and instrumentation and controls. The rehabilitation design incorporates five horizontal centrifugal pumps in an N+1 configuration with a total firm pumping capacity of 5,000 gpm. The pumps will operate with variable frequency drives (VFDs) to optimize performance. The existing wet well will be converted into a pipe gallery, and major structural improvements include new concrete masonry unit walls, precast concrete roofing, and raising critical equipment elevations above base flood level to improve longterm flood resilience.

Additional improvements include a new sound-attenuated 300 kW diesel generator with a sub-base fuel tank to replace the aging standby unit, relocated for improved accessibility and protection. Electrical upgrades feature redesigned electrical rooms, updated control programming, flow metering, pressure transmitters, and an actuated valve to support automation and advanced monitoring. The design also provides for a gantry crane system for safe pump handling, asbestos testing and evaluation of materials, and incorporation of floodproofing measures to strengthen the facility against storm surge and sea level rise projections. The rehabilitation design integrates advanced instrumentation and control systems to improve system monitoring and automation. GFT is coordinating with Broward County's supervisory control and data acquisition (SCADA) team to verify compatibility, seamless integration, and updated programming for improved operational resiliency and system-wide reliability.

This project is funded by a Florida DEP grant and is being designed in compliance with the Build America, Buy America Act (BABAA). To meet grant requirements, the team is delivering design documents within an accelerated 7-month schedule and supporting the County in the pre-purchase of long-lead equipment. GFT will also provide engineering services during construction to support successful deliver and commissioning of the rehabilitated pump station.

To date, project has been proceeding within time and budget requirements.

FORM 4

VENDOR REFERENCE FORM

City of Hollywood Solicitation #: RFQ-365-26-JJ
Reference for: GFT Infrastructure, Inc.

Organization/Firm Name providing reference: Broward County Water and Wastewater Services
Organization/Firm Contact Name: Merle Medina | Title: Expansion Project Administrator
Email: MMedina@broward.orgype | Phone: 954.831.0791
Name of Referenced Project: Master Pump Station 300 Rehabilitation | Contract No: BCWWS RFP/RLI: PNC2128642P1
Date Services were provided: March 2025 - Feb 2027 | Project Amount: $1,349,178.52
Referenced Vendor's role in Project: ☒ Prime Vendor ☐ Subcontractor/ Subconsultant
Would you use the Vendor again? ☒ Yes ☐ No. Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	☐	☐	☒	☐
b. Accuracy	☐	☐	☒	☐
c. Deliverables	☐	☐	☒	☐
Vendor's Organization:				
a. Staff expertise	☐	☐	☒	☐
b. Professionalism	☐	☐	☒	☐
c. Staff turnover	☐	☐	☒	☐
Timeliness/Cost Control of:				
a. Project	☐	☐	☒	☐
b. Deliverables	☐	☐	☒	☐

Additional Comments (provide additional sheet if necessary):

****THIS SECTION FOR CITY USE ONLY****						
Verified via:	Email:	☐	Verbal:	☐	Mail:	☐
Verified by:	Name:				Title:	
	Department:				Date:	

Ocean Outfall Legislation (OOL) Program Management Wastewater System Priority Projects

MDWASD, Miami, FL

RELEVANT FEATURES:

- Project Management & Coordination
- Pump Station
- CFD Modeling
- Pump Station Design
- Site Investigation
- Data Collection
- Civil/Site Design
- Alternatives Evaluation
- Surveying
- BOD Report Preparation
- Regulatory Coordination
- Permitting
- Structural Design
- Mechanical Design
- Electrical & Controls Design

KEY STAFF:

Yurfa Glenny
Lillian Marrero
Carolina Cubides

COMPLETION DATES:

2017 - Ongoing

MDWASD's OOL implementation program is a significant environmental initiative to reduce the discharge of treated wastewater into the Atlantic Ocean and enhance wastewater treatment infrastructure. The program is a response to Florida's OOL, passed in 2008, which requires utilities like MDWASD to cease using ocean outfalls for routine wastewater disposal and to upgrade treatment processes to meet higher environmental standards.

With sensitive coastal ecosystems at risk, including coral reefs, and growing demands from a rising population, MDWASD needed a forward-thinking approach to meet stringent regulatory deadlines, enhance water quality, and protect its marine environment. This large-scale transformation required innovative solutions and a multibillion-dollar investment in infrastructure upgrades. GFT has served as Project Manager, as part of the Owner's Representative/Program Management team, overseeing design consultants through the development of the tasks below. Permits were obtained by the corresponding design consultants in close coordination with GFT as the Owner's Representative Project Manager.

NE-1 Municipal Injection Wells Pump Station, North District WWTP. Work included the design of a 75 mgd injection well pump station and associated electrical components, injection wellheads, injection well yard piping supply loop, and flushing water system. The task also included the installation of a transfer pipeline from the existing outfall pump station to the new filters building and new roads, utilities, stormwater collection, conveyance and retention system, and sanitary sewer pump station. Permitting with the City of North Miami is specific to Tree Removal Permit, and the Conditional Use Permit, as described above.

- **SDWWTP. Permitting with the Miami-Dade RER** - Plan Review consisted of the following: DERM; Miami-Dade County Fire Department; Miami-Dade County Building Department; and Class VI Permit to Construct/Modify a Drainage System.
- **NT-2C North District WWTP HLD Facilities.** Design of disk filter building, sodium hypochlorite storage and feed facility, chlorine contact tanks, electrical substations, and associated electrical, I&C systems. Permitting with the City of North Miami was specific to Building Permit.
- **CE-1 Municipal Injection Wells Pump Station, Central District WWTP.** This task included providing a new 150 mgd injection well pump station, injection well piping network, and wellhead facilities for the municipal deep injection wells to be provided as part of another OOL project. The City of Miami issued the building permit.
- **ST-2B Clarifiers and HLD Facilities, SDWWTP.** Work included adding one secondary clarifier, three new pumps to the RAS pump station No. 3, and new transfer pump station bypass.
- **ST-2C Chlorine Contact Tanks, SDWWTP.**
- **ST-2E RAS Piping, SDWWTP.**

FORM 4

VENDOR REFERENCE FORM

City of Hollywood Solicitation #:	RFQ-365-26-JJ
Reference for:	GFT Infrastructure, Inc.

Organization/Firm Name providing reference:	Miami-Dade County Water and Sewer Department		
Organization/Firm Contact Name:	Daniel Lizarazo	**Title:**	Senior Program Manager
Email:	Daniel.Lizarazo@miamidade.gov	**Phone:**	305.205.0902 (m)
Name of Referenced Project:	Ocean Outfall Legislation Program	**Contract No:**	
Date Services were provided:	2017-Ongoing	**Project Amount:**	$4M (Ongoing)

Referenced Vendor's role in Project: ☐ **Prime Vendor** ☒ **Subcontractor/ Subconsultant**

Would you use the Vendor again? ☒ **Yes** ☐ **No.** Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):

Please rate your experience with the Vendor	**Need Improvement**	**Satisfactory**	**Excellent**	**Not Applicable**
Vendor's Quality of Service				
a. Responsive	☐	☐	☒	☐
b. Accuracy	☐	☐	☒	☐
c. Deliverables	☐	☐	☒	☐
Vendor's Organization:				
a. Staff expertise	☐	☐	☒	☐
b. Professionalism	☐	☐	☒	☐
c. Staff turnover	☐	☐	☒	☐
Timeliness/Cost Control of:				
a. Project	☐	☐	☒	☐
b. Deliverables	☐	☐	☒	☐

Additional Comments (provide additional sheet if necessary):

****THIS SECTION FOR CITY USE ONLY****						
Verified via:	**Email:**	☐	**Verbal:**	☐	**Mail:**	☐
Verified by:	**Name:**				**Title:**	
	Department:				**Date:**	

TAB H

SUBCONSULTANT INFORMATION

TAB H

SUBCONSULTANT INFORMATION

GFT has engaged subconsultant firms with the right experience, knowledge, qualifications, and commitment to address the stormwater infrastructure and program needs of the City of Hollywood. All members of our team will leverage a shared vision of teamwork, innovation, and proven approaches to deliver accurate, easily accessible results across a program's lifespan. We strategically built our team with four subconsultants and minority firms. Each offers services that enhance our ability to anticipate and meet the program requirements and the City's project goals. **In response to the requirements of this RFP, GFT has made every effort to select a diverse team of subconsultant firms, each registered as a business entity in the State of Florida.**

AREHNA Engineering, Inc. (WBE)

Company Address: 5389 N Nob Hill Rd
Sunrise, FL 33351
Phone Number: 813.944.3464
Fax number: 813.944.4959
E-Mail address: aalba@arehna.com
Website: https://arehna.com
Contact person(s): Angela Alba
Size of Firm: 49 employees

Portion of Work: Geotechnical Exploration

AREHNA Engineering, Inc. is a geotechnical engineering and materials testing firm certified in Broward County with an experienced staff of engineers who work closely with clients and project design teams to provide the most cost effective solutions to the challenges faced on each project. They are familiar with the geologic conditions in the City of Hollywood and Broward County and have extensive experience designing stabilization programs both pre- and post construction.

Relevant Projects

- City of Hollywood Various Engineering Services Continuing Contracts
- City of Sunrise Geotechnical and Engineering Testing Services

Relevant Projects with GFT

- Broward County MPS 300 Rehabilitation
- Lee County Board of Commissioners Misc Traffic Engineering Services

Arrow Group Consulting

Company Address: 777 S Flagler Drive, Suite 500E
West Palm Beach, FL 33401
Phone Number: 850.521.1980
Fax number: n/a
E-Mail address: egfernandez.arrow@gunster.com
Website: https://arrowgroup.gunster.com/
Contact person(s): Edgar Fernandez
Size of Firm: 14 employees

Portion of Work: Regulatory Compliance

Arrow Group is a firm re-imagining government affairs consulting in Florida. Their capability and success is rooted in connections cultivated over several decades, positioning them in the closest proximity to various facets of state government. As they merge deep individual expertise with the collaborative team culture, Arrow harnesses reputation, relationships, and creative problem solving to craft full-service solutions for clients, including the City of Hollywood.

Relevant Projects

- MDWASD Senior Assistant for governmental affairs and policy development

Relevant Projects with GFT

- Baltimore Prj899 Chlorine Handling
- Systemwide Chlorine Handling Safety Improvements

Compass Point Surveyors, PL (SBE)

Company Address: 3350 NW 22nd Terrace #1200
Pompano Beach, FL 33069
Phone Number: 954.332.8181 x 201
Fax number: n/a
E-Mail address: brw@cp-surveyors.com
Website: http://www.cp-surveyors.com/
Contact person(s): Benjamin Wiser, Lori Melrose
Size of Firm: 10 employees

Portion of Work: Survey / Underground

Compass Point's office team has almost 80 years of field and office surveying experience and includes three Survey Technicians led by a PSM. This office experience allows them to work on everything from small residential surveys to multi-milliondollar neighborhood development projects with both confidence and professionalism.

Relevant Projects

- City of Fort Lauderdale Durrs Neighborhood Storm
- City of Fort Lauderdale River Oaks Stormwater Improvements

Relevant Projects with GFT

- Broward County MPS 300 Rehabilitation
- City of Hollywood General Engineering Services for Infrastructure Projects

InfraMap Corp

Company Address: 10365 South Cedar Lane
Glen Allen, VA, 23059
Phone Number: 757.903.6422
Fax number: 804.550.3296
E-Mail address: agarcia@inframap.net
Website: https://www.inframap.net/
Contact person(s): Andres Garcia
Size of Firm: 71 employees

Portion of Work: SUE

Founded in 1987, InfraMap provides professional SUE services throughout the United States. They collect utility infrastructure data in the field using sophisticated geophysical techniques and instrumentation (including GPR) with automated data collection gear and state-of-the-art survey equipment. They then merge this information into clients' base mapping in their desired format. To date, they have successfully completed more than 26,000 projects, designated more than 32 million feet of utilities, and completed more than 130,000 air vacuum excavation test holes.

Relevant Projects

- City of Fort Lauderdale Holly Heights Drainage Improvements Project
- City of Fort Lauderdale Progresso Village Project

Relevant Projects with GFT

- City of Hollywood General Engineering Services for Infrastructure Projects

Form 14

LIST OF SUBCONTRACTORS

The Respondent shall list below the name and address of each Subcontractor who will perform work under this Contract, and shall also list the portion of the work which will be done by such Subcontractor. After the opening of Submittals, changes or substitutions will be allowed with written approval of the City of Hollywood. Subcontractors must be properly licensed.

	Work to be Performed	**Subcontractor's Name / Address**
1.	Survey / Underground	Compass Point
	Geotech Exploration	Arehna Engineering
2.	SUE	InfraMaps
	Regulatory Compliance	Arrow Group
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

NOTE: Attach additional sheets if required.

- END OF SECTION -

TAB I

FINANCIAL RESOURCES

GFT

Ingenuity That Shapes Lives™

January 23, 2026

City of Hollywood
Office of Procurement Services
Jean Joinville
Procurement Manager
2600 Hollywood Boulevard
Hollywood, FL 33020-4807

RE: City of Hollywood RFQ-365-26-JJ – Financial Summary Statement:
Evidence of GFT's Financial Capacity and Measures of Insurance Protection for the City of Hollywood against Errors and Omissions

Dear Ms. Joinville:

GFT Infrastructure Inc. is submitting a proposal for the above-referenced City of Hollywood project. We are providing this letter attesting to the adequacy of GFT's financial capacity and insurance protection required to provide services on this City of Hollywood project.

We affirm that Gannett Fleming is financially stable and has the necessary financial resources to provide the services required for this project, as evidenced by:

- The Company's latest audited consolidated balance sheet, as of December 31, 2024, which reflects total assets of $1,606 million, working capital of $214 million, and stockholders' equity of $519 million.
- Revolving credit facilities totaling $75 million, which are available for borrowing and for letters of credit in support of performance obligations and advance payments on contracts.

We also affirm that GFT has adequate measures of protection against project errors and omissions by maintaining a primary professional liability insurance policy with limits of $10 million, including a worldwide territory for response.

GFT is not currently and has not been in any bankruptcy proceedings.

If you have any questions, please contact me 717-886-5547, or email smichaels@gfnet.com.

Respectfully,

Steven Michaels

Steven Michaels
Senior Accountant, Government Contracts

TAB J

CONFIDENTIAL:

LEGAL PROCEEDINGS AND PERFORMANCE

Ingenuity That Shapes Lives™

Litigation History
CONFIDENTIAL

GFT Infrastructure, Inc., Inc. (formerly Gannett Fleming, Inc.) is part of a large consulting engineering organization that has been in continuous operation since 1915 and employs over 4,500 people. It serves as the parent organization to a portfolio of subsidiaries and affiliated entities, including the wholly owned subsidiary, TranSystems Corporation and its respective subsidiaries and affiliates. GFT Infrastructure, Inc. is the primary operating company in the United States and conducts business throughout the U.S. for private and public sector clients at the municipal, state and federal levels. Although GFT Infrastructure, Inc.'s involvement in claims and lawsuits is relatively infrequent due to its aggressive quality control efforts, claims and lawsuits involving GFT Infrastructure, Inc. or its affiliated companies do occur. To protect itself against such claims, GFT Infrastructure, Inc. carries automobile, general and professional liability, and workers' compensation insurance.

GFT Infrastructure, Inc. provides the following confidential information regarding project-related litigation filed within the prior five years. This information includes the project related litigation of GFT Infrastructure, Inc., its subsidiaries and affiliates. There have been no findings of liability against GFT Infrastructure, Inc., and no claim materially affects the viability or stability of the GFT Infrastructure, Inc. organization, or our ability to serve our clients. In the event you require additional information, you may contact Audrey J. Daly, Senior Vice President and General Counsel at 300 Sterling Parkway, Suite 200, Mechanicsburg, PA 17050, email: adaly@gfnet.com

GFT INFRASTRUCTURE, INC. FIVE YEAR HISTORY - PROJECT RELATED LAWSUITS AND ARBITRATIONS (Excludes Bodily Injury and Employment Claims)			
Caption/Parties	**Description of Dispute**	**Begin/End Dates**	**Status or Outcome**
Allied Environmental Services, Inc. v GF Inc. Berks Co. PA CCP 20-12355	Allied stopped soil boring work that it was contracted to perform, allegedly due to excessive rains that Allied claims made it unsafe and impossible for work to continue. Breach of contract claim is asserted for unpaid invoices.	05/2020 – 01/2021	Settlement agreement reached in January, with nominal payment by GF for only work performed.
Kentucky v. AJRP et al. Franklin, KY	State resolved claims against contractor for alleged design defects related to a hospital project; seeking contribution from designers	4/2014 – 2/2021	Settled 2/2021

City Brewing Company LLC v. Jack Gibson Construction Co., et al. Westmoreland Co. PA CCP 17C103857	Writ of Summons filed against several defendants regarding Wastewater Treatment Tanks at City Brewing Company's Latrobe Facility.	08/2017 – 03/2021	Tanks furnished by other defendants allegedly contained defects which caused the tanks to leak. GF provided design services for the project, not the tanks, but was nonetheless joined. The matter settled by mutual, confidential agreement. GF contributed settlement proceeds but had no finding of liability against it.
Neal Bess et al v. Phillips 66 Co. et al. Sweeny, TX	Hundreds of claimants alleging flooding damage post Hurricane Harvey was contributed to by design and construction at the Sweeny Refinery	8/2017 – 7/2021	Settled 7/2021
Community Asphalt v. Wantman I-75 Project, FL	Contractor cost overrun claims alleged to be attributable to design issues.	4/2019 – 8/2021	Settled 8/2021
Rhoads v. Shoreline et al. Phila, PA	Claims that sinkholes on an adjacent property are the result of design and construction issues	2/2015 – 12/2021	Settled 12/2021
MJF Contracting v. Toms River et a al. Toms River, NJ	Contractor cost overrun claims for emergency electrical lighting related to electrical design for a school district	3/2020 – 1/2023	Settled 1/2023
DOLI Construction Corporation v. McConnellsburg Borough Municipal Authority and Gannett Fleming, Inc. Court of Common Pleas Fulton County, PA No. 103-2021C	DOLI filed a complaint against the Borough of McConnellsburg and GF for additional costs associated with construction of a watermain. GF Inc. provided design and construction management services for a watermain replacement project. DOLI made a claim for additional paving costs and was issued a change order to cover those costs. At the end of the project, there was still a dispute over final costs.	06/2021 - 08/2023	GF retained counsel and filed an Answer to the Complaint. Summary Judgment granted in favor of GF; the matter was settled and dismissed.

Triton Construction, Inc. v. GF Inc. Preston Co. WV CCP 21-C-7	Triton asserts claims arising from dewatering claim on the Upper Deckers Creek dam project.	01/2021 - 09/2023	Complaint was filed in January; in late February 2021, Triton filed amended complaint joining Monagahela Conservation Disct. The matter has been settled.
Flatiron Const. v. TranSystems Horry County, SC	Contractor claims delay damages resulting from inspection services. The contractor's claims were dismissed by the trial court and the case is now on appeal.	2/2018 - Present	Pending
Bradford Sewer Authority v. GF, Inc.	The action arises from a lawsuit by Bob Cummins Construction ("BCC") against BSA concerning payment for certain work allegedly performed by the contractor on a wastewater treatment facility project where Gannett Fleming provided engineering design and consulting services. The underlying lawsuit was initially decided in BCC's favor at the trial court level, but it was appealed to the PA Commonwealth Court, which reversed the trial court decision and the jury verdict. The Pennsylvania Supreme Court denied BCC's Petition to Appeal the Commonwealth Court's reversal. The trial court is reviewing to determine any issues that were not disposed of by the appeal.	1/1/2020 - Pending	Bradford Sanitary Authority ("BSA") filed a Writ of Summons against Gannett Fleming, but has not filed a complaint to date.
Meco Construction v. GF Inc., Pennoni and Urban Engineering Bucks Co. PA CCP 2020-00805	Excavation contractor alleging issues regarding the presence of Regulated Fill on a PA Turnpike project. Claim is related to alleged cut/fill quantities and cost of removal and Meco asserts claims for negligence and negligent misrepresentation against GF.	2/1/2020 - 6/1/2024	Writ of summons only had been filed when the court listed the matter for pre-trial conference, which prompted the plaintiff to file the complaint March 2021. Intentional misrepresentation claims were dropped in response to GF's preliminary

			objections Discussions continue regarding negligence claims. MECO dismissed the case in June of 2024 without prejudice to seek settlement outside of litigation
Abington Regional Water Authority v. GF Inc. Lackawanna Co. PA CCP 2020-CV-4604	Writ of summons filed relating to design and construction management services for a wastewater treatment plant upgrade, asserting claims that, since construction, the roof of a biosolids building has experienced leaks and ARWA asserts that the leaks were caused by design errors or construction issues that GF should have identified during construction.	11/2020 - Pending	Complaint was filed in February 2024.
Lake Cooper v. SCDOT et al. Johnny Dobbs Blvd., SC	Allegations regarding silt and contamination in a lake was caused by drainage issues related to road improvements	3/2021 - Present	Pending
Reading Area Water Authority v. GF Inc. and UGI Utilities v. GF Inc. Berks Co. PA CCP 21-2816 and 21-2949	Two separate actions alleging professional negligence claims associated with design of a cofferdam for PennDOT's construction of the Penn Street Bridge in Reading PA.	4/1/2021-Q4 2024	Complaints were served late April. Counsel has been retained and an answer to UGI's complaint has been filed. A settlement agreement is currently in process. Settled in Q4 2024.

The Borough of Gilberton v. Pennsylvania Department of Transportation and NTM Engineering Margaret Arbushites, et al. v.HRI Inc., Pennsylvania Department of Transportation and NTM Engineering Schuylkill County S-827-21 and 21-1568	Two separate actions alleging professional negligence claims associated with construction of the SR 92 Bridge Replacement. Gannett Fleming, Inc. was named as an additional defendant.	12/2021-Pending	Complaints were served in December and Counsel has been retained.
Clearfield County v. TranSystems et al Clearfield County, PA	Alleged defects in Prison designed in 1977, and Owner is suing for additional costs related to current upgrade of facility. Owner's claims were dismissed for being time-barred and the matter is currently on appeal.	1/2023 - Present	Pending
State of Rhode Island v. AECOM et al. Washington Bridge, RI	Washington Bridge deemed unsafe, and in process of being demolished and replaced. Rhode Island suing design consultants who provided any services related to bridge. TranSystems inspected the Bridge in 2022	8/2024 - Present	Pending
Mark Gilbert v. Petrongolo Contractors, Inc., City of Philadelphia, and Gannett Fleming, Inc.Phila. Municipal Court No. SC-24-10-09-3946	A nominal claim for money damages was made by the Plaintiff against the Defendants for alleged damages to an un-marked, un-documented, submerged sewer drain-pipe. Said damages allegedly occurred during installation of ADA-compliant curb improvements.	10/2024 - 01/2025	The Phila. Municipal Court entered a nominal money judgment in favor of Plaintiff's claim without any finding of liability, negligence (general or professional), or fault against any Defendant. The money judgment was apportioned between the three Defendants.

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