



## EDUCATION MS, BioScience/Bioengineering, Clemson University

#### **CERTIFICATIONS**

- NCDEQ CDBG Infrastructure
  Program Environmental
  Document Preparation
- NASSCO Trained

### YEARS OF EXPERIENCE

Total: 32 With Firm: 18

PERCENT OF TIME ASSIGNED TO PROJECT: 60%

## ANGELA METTLEN GRANT FUNDING LEAD

### **OVERVIEW**

Angela is Ardurra's Director of Strategic Funding and Regulatory Affairs. She has 32 years of experience in regulatory compliance and funding for engineering and public works programs. She has a proven track record of evaluating and optimizing municipal utility systems, helping local governments identify infrastructure needs, developing prioritized capital improvement plans and identifying appropriate and eligible funding mechanisms to support these plans. She has identified, procured, and administered more than \$3B in infrastructure funding for clients throughout the Southeast U.S.

## PROJECT EXPERIENCE

CMOM Program Development and Implementations, City of Eden, NC: Ardurra assisted the City of Eden in addressing extensive sanitary sewer overflows by negotiating the scope of an EPA Consent Decree, developing a CMOM Program, and implementing a phased SERP to evaluate and rehabilitate the system. This included advanced condition assessment, GIS-driven asset management, financial modeling, and has resulted in over \$30M in improvements, ensuring regulatory compliance and system optimization. Angie has led the funding and regulatory efforts for this program since 2011, and has helped the City secure millions in funding over that time.

OJRSA CMOM Program Development and Implementation, Oconee Joint Regional Sewer Authority (OJRSA), Oconee County, SC: Angie has provided regulatory and funding assistance for the development of OJRSA's CMOM program to address wet weather capacity issues and reduce sanitary sewer overflows. This program is being implemented in a phased approach including evaluation, development of a Preliminary Engineering Report, gap analysis, planning and evaluations, funding support, and project implementations.

Water and Sewer Systems Capacity and Management Program Evaluation, Town of Swansea, SC: Angie has provided regulatory and funding expertise for the comprehensive evaluation of the Town of Swansea's water distribution and sewer collection systems, funded through SCIIP, to assess long-term solutions and regionalization feasibility. The project includes system assessments, condition evaluations, capital improvement planning, operational and financial analyses, and recommendations for sustainable utility management.

**CMOM Program Development and Consent Order Management, City of Lancaster, SC:** Angie provided regulatory and funding assistance and expertise for Ardurra's efforts as a trusted advisor to the City of Lancaster for over a decade, helping them address an EPA Consent Order through the development and implementation of a comprehensive CMOM program. The team's efforts included negotiations with EPA, evaluations, planning, designing, and overseeing improvements to over the City's sewer system, reducing SSOs, and secured over \$25M in funding to support these critical projects.

Consent Order Management, Augusta Utilities Department, Augusta, GA: Angie provided regulatory and funding assistance for Ardurra to address the City of Augusta's sanitary sewer overflows and compliance with a Consent Decree requiring corrective actions to its formerly combined sewer system. Ardurra's team quickly mobilized to perform smoke testing, CCTV inspections, and condition assessments across 82,000 LF of sewer, identifying 112 separation projects and delivering cost-effective solutions to reduce overflows and improve system performance within an expedited schedule.

Tega Cay Consent Order Program, Blue Granite Water Company (formerly Carolina Water Service; Utilities, Inc), Tega Cay, SC: The Tega Cay Water System faced 76 sanitary sewer overflows since 2005 and a 2011 Consent Order from SCDES (formerly SCDHEC). Angie led the team's regulatory and funding expertise for Ardurra to address these issues. Our team provided a PER, managed fast-track construction of EQ storage, and utilized advanced inspection technologies to evaluate 160,000 LF of gravity mains, pump stations, and WWTPs, ensuring compliance with aggressive deadlines and supporting long-term rehabilitation through a webbased GIS system.





#### **EDUCATION**

- MS, Chemical Engineering, University of South Florida
- BS, Chemical Engineering, Shivaji University

#### **CERTIFICATIONS**

- PE Florida #69088
- PMP #2598535
- NASSCO's PACP/MACP/LACP certified

### YEARS OF EXPERIENCE

Total: 20 With Firm: 1

PERCENT OF TIME ASSIGNED TO PROJECT: 60%

## VIVEK SAI, PE, PMP ASSET MANAGEMENT

### **OVERVIEW**

Mr. Sai is an experienced engineer with 20 years of work in environmental engineering, conveyance asset management, and strategies for utility operations, asset assessment, and infrastructure renewal. He has a strong background in designing, implementing, and managing projects, with skills in GIS platforms, utility infrastructure planning, sewer evaluation studies, and condition assessments. Mr. Sai has worked on a variety of municipal projects, including evaluating, modeling, and designing treatment facilities, pump stations, and pipeline systems. He has also developed and improved water and wastewater hydraulic models using different software tools. His experience includes GIS application development, utility infrastructure projects, database management, construction services, and asset management tasks like building asset inventories, prioritizing risks, analyzing condition data, and planning long-term repairs and replacements. With expertise in databases, information systems, and asset management practices, he helps clients make the most of their existing systems.

## PROJECT EXPERIENCE

Collection System Asset Management Program, Jefferson County, AL: Project Engineer. As part of the Asset Management Program, Mr. Sai contributed to various aspects of the collection system, including planning, evaluation, flow monitoring coordination, rehabilitation design, pipe upsizing, construction administration and management, CIP support, budgeting, scheduling, and overflow reporting. He developed automated tools to streamline sewer rehabilitation efforts and improve staff efficiency. These tools and datasets include asset management platforms, SSES data, capacity assurance programs, asset inventory and condition data, rehabilitation and replacement strategies, cleaning and maintenance methods, system performance data, SSO and backup records, TVI, manhole inspections, and standardized methods for condition evaluation and asset life estimation. Mr. Sai played a key role to implement and customize its Cityworks (CMMS) software. He developed workflows, created custom work order and service request templates, utilized APIs, conducted analytical assessments, and resolved issues using SQL query tools. He also leveraged the system's work orders, asset management, and GIS features to build dashboards and visualization tools to track KPIs. This effort enabled JCESD to optimize its operations and maintenance (O&M) program and integrate data with Power BI for advanced visualizations and analysis. Additionally, Mr. Sai developed workflows to support the successful implementation of the asset management program and construction management processes.

Sarasota County Capacity, Management, O&M Program Plan, Sarasota County, FL: Project Engineer. The CMOM program focused on evaluating and improving all aspects of the County's sewer collection system assets, including gravity sewers, force mains, and lift stations. This program enabled the County to achieve several short- and long-term goals, including regulatory compliance, wastewater spill (SSO) evaluation and reduction, information management and software integration, CMMS and GIS integration, environmental water quality improvement, capacity assessment and assurance, system inspection, maintenance and rehabilitation, staff safety and training, asset management, communication and customer service, budgeting, and emergency response and preparedness. As part of the 5-year program, Mr. Sai supported the integration of GIS with the County's CMMS system, Maximo. He created custom work orders for SSO data collection and CCTV inspections and developed several KPIs along with a Power BI dashboard to visualize system-wide SSOs, helping the County effectively monitor and improve their sewer system performance.

**Downstream Augmentation System Analysis Model, Tampa Bay Water, FL**: Project Engineer. Involved in assessing supply reliability improvement from the implementation of Downstream Augmentation (DA) in Tampa Bay Water's existing supply system. The project focused on assessing various options for applying reclaimed water downstream of Enhanced Surface Water System (ESWS) withdrawal points and using that application as credit to allow increased use of surface water for potable production. This project involved the creation of the Downstream Augmentation System Analysis Model for application for assessing DA system alternatives.





#### **EDUCATION**

- MS, Geotechnical Engineering, Utah State University
- BS, Civil Engineering, Utah State University

## CERTIFICATIONS

- PE Florida #36440

### YEARS OF EXPERIENCE

Total: 42 With Firm: 15

PERCENT OF TIME ASSIGNED TO PROJECT: 60%

## **HUGO** SOTO, PSM **HYDROGEOLOGIST & GEOTECHNICAL/GROUNDWATER**

### **OVERVIEW**

Mr. Soto has more than 40 years of experience providing geotechnical engineering, construction materials testing, inspection, and consulting services. Geotechnical services include geotechnical design, analyses, and recommendations related to the design and construction of foundations as well as geotechnical exploration programs. He is well-versed in performing analysis and evaluation of field and laboratory data, in-situ soil testing, in-place permeability testing, and geophysical explorations.

## PROJECT EXPERIENCE

East Flagami Flood Improvements RAR/NW 38th Court to NW 42nd Avenue and NW 1st Street to NW 7th Street, Miami, FL: Principal Engineer/QA/QC Reviewer. The project consists of utility improvements along the project corridor including the proposed construction of one stormwater well system for storm run-off in the proposed area. Provided subsurface exploration and geotechnical engineering services for the utility improvements project. Geotechnical engineering report included site location and exploration plans, boring logs with field and laboratory data, stratification based on visual soil (and rock) classification, groundwater levels observed during drilling, subsurface exploration procedures, description of subsurface conditions, exfiltration test results, geotechnical engineering recommendations for pipe backfill, and geotechnical foundation recommendations for the proposed pump station. Four Reasonable Assurance Reports (RARs) included current geologic conditions and recommendations for well depth casing that would be sufficient to restrict buoyancy from a class G-III aquifer into a Class G-II aquifer system.

Venetian Water and Sewer Main Crossing, Miami Beach, FL: Principal Engineer/QA/QC Reviewer. The proposed project involved the design of a subaqueous water pipeline crossing of the Biscayne Bay along the Venetian Causeway between the spoil islands located between Rivo Alto Island and Belle Island. Terracon performed subsurface exploration and geotechnical engineering services that included the advancement of test borings to depths ranging from approximately 35 to 55 feet below existing site grades. Laboratory testing was performed on the soil samples obtained from the site during the field exploration. Information and geotechnical engineering recommendations were provided relative to subsurface soil (and rock) conditions, groundwater conditions, and soil and rock parameters.

Codrington Drive Roadway and Drainage Improvements, Lauderdale-by-the-Sea, FL: Principal Engineer/QA/QC Reviewer. The project consisted of roadway and drainage improvements for 1,400 linear feet of Codrington Drive. Terracon previously completed geotechnical engineering in 2021 that addressed the roadway and drainage improvements for the 1,400 linear foot section along Codrington Drive. It was proposed to construct an outfall pipe to be installed perpendicular to Codrington Drive connecting the drainage on to the adjacent canal. The new section would be excavated to replace an existing outfall with a new 30" RCP outfall pipe. The section is approximately 180 feet and is located at the east end of Codrington Drive. Terracon performed subsurface exploration and provided geotechnical recommendations concerning earthwork and the design and construction of the proposed outfall pipe that will be installed.

**FKAA Snake Creek HDD-Snake Creek, FL:** Principal Engineer/QA/QC Review. The project consists of the construction of an underground pipeline that will traverse the Snake Creek Channel along the US Hwy 1. The new pipeline would be installed using HDD methods. Subsurface exploration (advancement of test borings). laboratory testing, and geotechnical engineering services were performed by Terracon. The firm provided information and geotechnical engineering recommendations relative to subsurface soil conditions, groundwater conditions, and soil parameters.





## EDUCATION - AA. Arts, St Petersburg College

#### **CERTIFICATIONS**

- OHS Construction Induction
  Training Certificate
- OSHA Confined Space Entry
- Rail Industry Safety Induction (RISI)
- CSX Certified Safety Facilitator
- OSHA 40-Hour Safety Training

### YEARS OF EXPERIENCE

Total: 26 With Firm: 12

PERCENT OF TIME ASSIGNED TO PROJECT: 65%

## MARK MITCHELL, PSM SUBSURFACE UTILITIES ENGINEERING

### **OVERVIEW**

Mr. Mitchell is the firm's Director of SUE responsible for oversight of the day-to-day operations of all SUE projects, along with utility records research, conflict analysis, and determining if additional utility investigation is needed for assigned projects. His experience includes creating DTMs, topos, TIN models, PNCs, and test hole summary spreadsheets. Mark serves as a liaison between the design team, utility agencies, and owners on behalf of clients to provide utility coordination, documentation, inter-coordination, and maintenance of files of all activities for each utility agency.

## PROJECT EXPERIENCE

JKV Stormwater Master Plan, Pompano Beach, FL: SUE. The Ardurra Team assisted the client in the development of an Ardurra Team Life project consisting of a senior residential facility, formal and semi-formal gardens, and surface parking. The Ardurra Team provided full services to the client including civil engineering, survey/SUE, planning, landscape architecture, and CEI. The Ardurra Team assisted the client with the preparation of a topographic and boundary survey, tree survey, existing utility map, and conceptual development of an overall Stormwater Master Plan for the property. Additional Ardurra Team services included the estimated engineering design for Phase I projects, engineering for coordination and deliverable review, stormwater modeling, permitting, water distribution, and wastewater collection plan delivering a safe, functional space for the community to thrive.

Abbott Avenue Drainage Improvements Final Design, Phase II, Surfside, FL: SUE. The Ardurra Team assisted the client in developing the final phase of a Keith Access project that included services for the Abbott Avenue Stormwater Drainage Design – Phase II. The Ardurra Team provided survey, SUE, civil engineering, FDOT coordination, bidding assistance, and construction program management services to the client. The Ardurra Team oversaw structural engineering, mechanical and electrical engineering, and geotechnical engineering services provided by subconsultants. The The Ardurra Team assisted the client in milling, resurfacing, restriping, preparation of construction documents, construction observation, final inspections, and final certification.

**Drainage Improvements at US1 and NE 14th Street, Pompano Beach, FL:** SUE. The Ardurra Team, under its continuing contract with the City, is providing civil engineering, surveying, and subsurface utility engineering for this US1 and NE 14th Street Drainage Improvement project. This comprehensive drainage improvement project aims to significantly enhance the stormwater management system in the City of Pompano Beach. The project involves the installation of new storm drainage infrastructure and the cutting of swales to optimize drainage functionality and mitigate flooding risks.

Fort Lauderdale International Airport (FLL) Stormwater Improvements, Ravenswood Interconnection, Fort Lauderdale, FL: SUE. The Ardurra Team is assisting the client with an Ardurra Team Access project under this continuing services contract for airport utilities and pavement projects. The project encompasses a comprehensive scope of tasks aimed at enhancing the existing drainage infrastructure by connecting the Northern and Ravenswood Drainage Basins at FLL Airport to alleviate flooding happening on the north side of the airport. The Ardurra Team provides civil engineering, SUE, and survey services to the client. The Ardurra Team is assisting the client with all necessary engineering design services and utility coordination to facilitate the required stormwater improvements at the Ravenswood Interconnection.





#### **EDUCATION**

 BS, Landscape Architecture, Oklahoma State University

### **CERTIFICATIONS**

- Professional Landscape Architect # LA6667565, FL. 2021
- LEED Accredited Professional

### YEARS OF EXPERIENCE

Total: 21 With Firm: 8

PERCENT OF TIME ASSIGNED TO PROJECT: 60%

# **KELLI** SCHUELER,K PLA, LEED AP LANDSCAPE ARCHITECT

### **OVERVIEW**

Ms. Schueler is an experienced landscape architect and dedicated project manager, Kelli Schueler provides planning, design, and project management services for a wide variety of project types through all phases of the development process. Her knowledge of the local environment, innovative technologies, and sustainable best practices is combined with a creative, detail-oriented approach that ensures efficient and accurate implementation. While her experience spans a broad range of project types, she is most inspired by opportunities to create special moments within the urban environment—where hardscape and architectural elements are thoughtfully integrated with green space to form impactful places of respite and connection.

## PROJECT EXPERIENCE

FLL Airport Stormwater Improvements - Ravenswood, Fort Lauderdale, FL: Landscape Architect. The Ardurra Team is assisting the client with an Ardurra Team Water project under this continuing services contract for airport utilities and pavement projects. The project encompasses a comprehensive scope of tasks aimed at enhancing the existing drainage infrastructure by connecting the Northern and Ravenswood Drainage Basins at FLL Airport to alleviate flooding happening on the north side of the airport. The Ardurra Team provides civil engineering, SUE, and survey services to the client. The Ardurra Team is assisting the client with all necessary engineering design services and utility coordination to facilitate the required stormwater improvements at the Ravenswood Interconnection.

Broward College NC Landscape Drainage Project, Coconut Creek, FL: Landscape Architect. The Ardurra Team provided surveying, civil engineering, permitting, landscape architectural, construction management, and construction inspection services to address existing drainage issues and to provide more seating in the arrival area. The area was regraded, and the plaza was designed, to provide an improved gathering space for the west entrance. This project is being used as a model for future improvements throughout the campus. Schematic and construction plans were developed to address drainage and seating requirements and to beautify the area.

Hillsboro Shores Drainage Improvements, Pompano Beach, FL: Landscape Architect. Keith assisted the Client in the development of an Ardurra Team Water project in a high-end neighborhood where groundwater is very close to the surface and the existing drainage system was incorrect and inefficient. The Ardurra Team provided civil engineering, landscape architecture, and survey services to fulfill the City's directive to add drainage structures, replace existing drainage structures, and reconstruct roadside swales without disturbing improvements the homeowners constructed in the City's right-of-way. Engineering plans were created to improve drainage systems while minimizing impacts and topographic surveying. Arborist services, public outreach, preliminary civil design, design development, and construction administration were a part of the creative solution.

**Pinnacle At Peacefield - Hollywood, Hollywood, FL:** Landscape Architect. The Ardurra Team provided project coordination and a due diligence report including stormwater management design criteria, floodplain regulation and limitations, sanitary sewer service ability, water distribution service availability, traffic considerations, existing private utility systems availability, zoning regulation compliance, off-street parking analysis, and concept site plan layout assessment and recommendations for this residential development. The project consists of three, three-story buildings along Adams Street, each operating as its own urban village for seniors with amenities such as a community meeting room, cyber café, fitness/wellness facility, and an outdoor patio.





#### **EDUCATION**

- PhD, Water Resources, Massachusetts Institute of Technology (MIT)
- MS, Mechanical and Aerospace Engineering, University of California
- BS, Mechanical Engineering, Universidad Simon Bolivar

### **CERTIFICATIONS**

- Professional Engineer, FL #56549
- Project Management Professional (PMP)

### YEARS OF EXPERIENCE

Total: 35 With Firm: 9

PERCENT OF TIME ASSIGNED TO PROJECT: 40%

# FERNANDO MIRALLES-WILHELM, PHD, PE, BCEE, D.WRE., PMP, F.ASCE RESILIENCY & SLR

### **OVERVIEW**

Dr. Miralles is a civil and environmental engineer with over 35 years of experience in the field of stormwater, water, and wastewater infrastructure planning and assessments. He is expert in modeling water systems and incorporating climate change and sea level rise impacts on related infrastructure, stormwater management, and water quality control. He has consulted internationally with USAID, IDB, and the World Bank on topics dealing with water system modeling, climate change, sustainability, and water infrastructure resilience. He has also been a member of the faculty at MIT, Northeastern University, the U Miami, FIU, and the University of Maryland. He served as Principal Investigator in over \$300M in projects funded by US and international agencies. He has conducted and/or directed water system modeling and climate change projects in over thirty countries in the Americas, Africa and Asia.

## PROJECT EXPERIENCE

**Drainage Infrastructure Verification & GIS Updates, Phases 1-9, City of Coral Gables, FL:** QA/QC Reviewer for a project that entails data collection, field verification, GIS digitization of Assets, QA/QC, and the creation and update of a GIS Web-viewer. Data collection efforts include collecting, compiling and analyzing pertinent drainage infrastructure data. Field verification activities include locating drainage assets using a GPS Trimble Unit to geolocate the observed infrastructure (manholes, catch basins, outfalls, infiltration trenches, drainage wells, and others.) and capturing relevant data. Horizontal coordinates and elevations of assets, including rim, invert and bottom of structures are obtained, if accessible. The project also includes a visual asset condition assessment performed and noted, including photographic record of the assets. The GIS digitization phase includes the post-processing of the field verified infrastructure data and the update of the City's drainage geodatabase including point and line features. Standardized formatting, database schema, and symbology (based on the Client's GIS standards) were developed and utilized. Additionally, a GIS Web Viewer was created and updated to allow the City's staff to easily obtain information related to the drainage infrastructure without the need of using a GIS ESRI license.

Stormwater Master Plan, City of Doral, FL: Project Manager for SWMP based on a comprehensive program of data collection and management, hydrologic and water quality modeling, to achieve distinct levels of service for water quality, pollutant reduction and flood protection. The scope of work tasks was focused on collection of existing information from entities other than the City, and their graphical representation in maps that can be used for stormwater master planning purposes, basin, and sub-basin delineation within the City of Doral. This allowed for an organizational framework to identify and propose solutions to stormwater management problems and prioritization of identified stormwater management problems, which in turn allows prioritization of expenditures and the development of a CIP for SWMP improvements in the City.

Stormwater Management Master Planning for the MDAD, Miami-Dade County, FL: Project Manager responsible for planning the improvements of the stormwater management systems at the MIA, Opa-Locka General Aviation Airport and Kendall-Tamiami Executive Airport. The SWMP included comprehensive evaluations of hydrology, hydraulics, water quality, Best Management Practices (BMPs), and facility planning in phases to allow cost-effective implementation of the CIP while aircraft operations continued and increased to serve growing air traffic demands. Aircraft had to be balanced vs. the environmental requirement of passenger safety issues regulated by FAA, EPA, SFWMD, and Miami-Dade DERM.

Sunrise Harbor Drainage Assessment, Coral Gables, FL: Technical Advisor. Project scope of services included performing hydraulic/hydrologic stormwater modeling to analyze existing and future land use conditions, evaluate future scenarios, and identify and develop potential capital improvement projects. A Basis of Design Report (BODR) was prepared for the upgrade of the stormwater and right-of -way within the area. Proposed solutions for flood mitigation & water quality treatment alternatives.





## **EDUCATION**

- PhD Student, Civil Engineering, Washington State University, On-Going
- MS, Environmental Engineering, Washington State University
- MS, Physics, Jahangirnagar University
- BS, Physics, Jahangirnagar University

### **CERTIFICATIONS**

- Professional Landscape Architect # LA6667565, FL, 2021
- LEED Accredited Professional

YEARS OF EXPERIENCE Total: 7 | With Firm: 4

PERCENT OF TIME ASSIGNED TO PROJECT:50%



### **EDUCATION**

- BS, Interior Design, Florida International University, 2010
- AA, Interior Design, Miami Dade College, 2010

YEARS OF EXPERIENCE
Total: 18 | With Firm: 1

PERCENT OF TIME ASSIGNED TO PROJECT: 60%

## TOWSIF BHUIYAN, PLA, LEED AP MODELING

Mr. Bhuiyan is a hydraulic engineer with experience in hydrologic and hydraulic analyses and modeling, such as HEC-RAS; GIS applications, such as ArcGIS; and CFD modeling, including ANSYS FLUENT, TecPlot. He has advanced knowledge of surface water hydrology and hydraulics and an in depth understanding of environmental assessment and regulatory compliance requirements.

## PROJECT EXPERIENCE

SFWMD Flow Data Improvement at Coastal Spillways and Other District Structures FY20 Staff Augmentation, West Palm Beach, FL: Providing hydraulic and hydrologic modeling and engineering services. His responsibilities include: flow rating development and improvement of coastal, stormwater treatment areas and other structures; development and application of hydraulic and CFD modeling to analysis and design of existing and new hydraulic structures; hydraulic analysis to assess the risk, performance or conveyance capacity of specific structures or District-wide canal system; and Summarize and report significant work through technical reports.

SFWMD S65A Complex and C-38 Canal System 2D Hydrodynamic Model Study, West Palm Beach, FL: This study utilizes HEC-RAS 2D model to evaluate discharge capacity at the S65A and auxiliary structures and identifying modification required to the tieback levee. It will help stakeholder, USACE and the SFWMD to manage their Kissimmee River Restoration project. More than 40 square miles of river-floodplain ecosystem was restored, including nearly 20,000 acres of wetlands and 44 miles of historic river channel. Responsibilities include Preparation of data using ArcGIS, SFWMD applications and other tools for model setup; Development of HEC-RAS 2D model and result analysis; and Summarizing results in presentation and report.

**SFWMD C-4 Canal Conveyance Capacity Study, West Palm Beach, FL:** This canal conveyance study is comprised of a hydraulic analysis effort that will evaluate the capacity of canal C-4. The watershed of C-4 is located in Miami-Dade County. It provides flood control to approximately 83.3 square miles. Responsibilities included: Development of HEC-RAS model to evaluate the hydraulic performance of the original design corresponding to C&SF Project design flood; Development of the HEC-RAS models to analyze existing canal performance under current design storm flows and operating rules; and Results analysis, preparation of presentation and report.

## VERONICA PAREDES PUBLIC OUTREACH

Ms. Paredes has 18 years of experience in illustration concept development, public engagement and public outreach. She routinely leads and coordinates public and stakeholder outreach activities for public infrastructure programs in South Florida. She has served as Public Information Officer on several projects from preliminary planning and design, through construction and closeout. She has led and several public involvement efforts for FDOT, ranging from the design and preparation of direct-mail brochures, fact sheets, newsletters, presentations, publications, workshop presentation graphics, and signage.

## PROJECT EXPERIENCE

Ms. Paredes served as Public Engagement Lead for the following projects:

- County Road 721 Roadway Improvements Brighton Seminole Indian Reservation, Glades County, Seminole Tribe of FL
- PD&E Study for SR 5/US 1/Overseas Highway Seven Mile Bridge over the Moser Channel, Monroe County, FDOT District 6
- I-95 Managed Lanes Project Development and Environment Study from south of Linton Boulevard/CR 782 to north of 6th Avenue South, Palm Beach County, FDOT District 4
- Long Key Bridge over Long Key Channel Project Development and Environment Study, Monroe County, FDOT District 6
- County Road 721 Roadway Improvements Brighton Seminole Indian Reservation, Glades County, Seminole Tribe of FL:
- PD&E Study for SR 5/US 1/Overseas Highway Seven Mile Bridge over the Moser Channel, Monroe County, FDOT District 6
- I-95 Managed Lanes Project Development and Environment Study from south of Linton Boulevard/CR 782 to north of 6th Avenue South, Palm Beach County, FDOT District 4
- Long Key Bridge over Long Key Channel Project Development and Environment Study, Monroe County, FDOT District 6
- SR A1A over Sebastian Inlet Bridge Replacement PD&E Study, Indian River County, FDOT District 4





## EDUCATION

 BS, Civil Engineering, Florida International University, 2012

### **CERTIFICATIONS**

- Professional Engineer, FL #56549
- Project Management Professional (PMP)

YEARS OF EXPERIENCE
Total: 11 | With Firm: 11

PERCENT OF TIME ASSIGNED TO PROJECT:80%

## NICHOLAS J. FERNANDEZ, PE ENGINEERING DESIGN

Mr. Fernandez specializes in stormwater infrastructure planning, asset management, design and construction management. He has a proven track record of successfully designing, implementing, and managing comprehensive stormwater projects with to include risk management, design, permitting and regulatory compliance, CEI, utility coordination, and QA/QC.

PROJECT EXPERIENCE

Stormwater Verification and Condition Assessment Program, City of Coral Gables, FL: Program Manager/Technical Lead. Responsible for program oversight and technical advisement for a multi-year stormwater verification and condition assessment program which included data collection, field verification, GIS digitization of Assets, QA/QC, and the creation and update of a GIS Web-viewer. Data collection efforts included collecting, compiling and analyzing pertinent drainage infrastructure data. Created a GIS Web Viewer to allow the City's staff to easily obtain information related to the drainage infrastructure without the need of using a GIS ESRI license. Finally, the program included CEI services for CCTV of drainage infrastructure to confirm connectivity of the system.

\$1.9B USEPA Consent Decree (CD) Miami-Dade County Program, Design & Construction Management and Support Services, Miami-Dade County, FL: Project Manager responsible for providing direction to a staff of design professionals engaged by the County through a series of Professional Services Agreements. Managed projects from conception to closure including design, permitting, procurement, construction, and certification. Developed working with WASD the current \$72M Trenchless technology blanket contract, among many other items.

Mr. Fernandez served as Project Manager for the following projects:

- Stormwater Verification and Condition Assessment Program, City of Coral Gables, FL
- · County-wide Cleaning and Televising of Large Diameter Sewers, Miami-Dade County, FL
- Annual Report for Individual NPDES Permits for Municipal Separate Storm Sewer Systems, City of Coral Gables, FL
- Citywide Stormwater System Improvements, City of Coral Gables, FL
- Sunrise Harbor Drainage Assessment, Coral Gables, FL
- CEI Services for Stormwater Improvement at NW 89th PL and NW 24th Ter, Miami, FL



## EDUCATION

BS, Civil Engineering, University of Miami

### **CERTIFICATIONS**

- Professional Engineer, FL #76068
- OSHA 30-hour Construction Safety
- FDOT CTQP Q/C Manager
- FDOT MOT
- Advanced Certified Diver

YEARS OF EXPERIENCE Total: 15 | With Firm: 8

PERCENT OF TIME ASSIGNED TO PROJECT:80%

## RICARDO MARISTANY, PE ENGINEERING DESIGN

Mr. Maristany has 15 years of experience in planning, design, and construction phase services for municipal public works projects including stormwater, water and wastewater, roadway, and aviation facilities. He has managed single contracts valued in excess of \$100M in construction for infrastructure programs in South Florida, including the Miami Dade WASD Consumer Line Relocation Program. He is expert in program analysis, project prioritization and grouping, scheduling and staffing, stakeholder coordination, value engineering, and ensuring contract compliance throughout the project lifecycle.

## PROJECT EXPERIENCE

Mr. Maristany served as Project Manager and Engineer of Record for the following projects:

- SFWMD Construction Management for C-44 Stormwater Treatment Area, Martin County, FL
- City of Doral, Basin H-5 Drainage Improvements Project
- SFWMD L31-E Levee Restoration Project Miami FL
- SFWMD G-93 Structural Refurbishment & New Control Room Building, Coral Gables, FL
- Replacement and Upsizing of Water Transmission and Distribution Mains along 41st Street, and Fire Flow Project 9, Miami Beach, FL
- Subaqueous Water Mains Under Collins Canal at 22nd Street and 23rd Street, Miami Beach, FL
- Miami-Dade WASD Consumer Line Relocation Program, Miami, FL
- City of Coral Gables City-Wide Assessment of Pump Station Telemetry System, Coral Gables, FL
- MDWASD Pump Station Improvement Program (PSIP), Miami, FL
- Ocean Outfall Legislation Projects, Miami-Dade Water & Sewer Department, FL
- Pump Station 1 Rehabilitation and Hardening, Engineering and Design Services, Miami Beach, FL





## **EDUCATION**

 BS, Environmental Engineering, Florida International University, 2014

### **CERTIFICATIONS**

- Professional Engineer, FL #92515
- Envision Sustainability
   Professional (ENV SP)
- Lean Enterprise Institute -Practicing Lean Fundamentals in an Office Environment

YEARS OF EXPERIENCE
Total: 11 | With Firm: 11

PERCENT OF TIME ASSIGNED TO PROJECT:80%

## PAOLA DAVALOS, PE, ENV SP ENGINEERING DESIGN

Ms. Davalos has 11 yeas of experience coordinating, managing, permitting and overseeing construction of stormwater, water, and wastewater and infrastructure projects in South Florida. She has managed the design and construction of pump stations, gravity mains, force mains, septic to sewer conversion projects, neighborhood stormwater improvement projects and planning studies for expansions and upgrades of water, reuse, wastewater and stormwater systems. She has led utilities design for community improvement projects including \$100M MDC Underline Phase 3-9, \$300M South Corridor Rapid Transit Project, and \$300 M Broward County FLL Terminal 5 Expansion.

## PROJECT EXPERIENCE

**DB21-DTPW-01 – Underline Phase 3-9, Miami-Dade County, FL:** Drainage project manager for 10-mile multimodal transportation corridor and urban world class trail responsible for design of stormwater management improvements for the project in order to comply with municipal, county, state and federal flood prevention and stormwater quality/quantity criteria, consisting of solid pipes, exfiltration trenches, drainage structures, drain basins, inline drains, grates/frames, injection wells, PRBs, rain gardens, bioretention systems, etc.

Engineering Design Services Related to Drainage, Water, and Sewer for new Terminal 5 in BCAD/FLL Airport, Broward County, FL: Utilities Project Manager responsible for design of landside and airside drainage, potable water and fire protection and collection and transmission sewer expansions including 25 curb inlets interconnected via 18-inch and 24-inch solid pipe discharging to approximately 1,200 LF of exfiltration trench, as well as extensive regulatory compliance and permitting coordination. Additionally, the design of 12-inch DIP water main loop, gravity main and force main improvements.

Stormwater Verification and Condition Assessment Program, City of Coral Gables, FL: Project Manager responsible for technical review, data collection, field verification, GIS digitization of assets, QA/QC, and GIS Web-viewer creation. Field verification included geolocating 3,300 manholes, 7,400 catch basins, and other assets using GPS. Assets' horizontal coordinates, elevations, and condition were recorded. GIS digitization updated the City's drainage geodatabase with standardized formatting and symbology.

Sunrise Harbor Drainage Assessment, City of Coral Gables, FL: Project Manager for stormwater management solutions including stormwater modeling, and conceptual design considering current and future conditions, including climate change impacts.

## ANA DVORAK, MS, ENV SP Engineering design

Ms. Dvorak has 8 years of planning, design, and simulation and evaluation of stormwater, water, wastewater and reclaimed water treatment facilities. She has prepared design for distribution and collection systems; pump stations; water resources management; water quality analysis; stormwater infrastructure design; and processes control & instrumentation and SCADA systems. She has developed environmental resources management systems and environmental impact assessment studies.

## PROJECT EXPERIENCE

Ms. Dvorak served as Project Manager and/or Senior Engineer for the following projects:

- City of Miami Beach, W-2 Water Booster Pump Station Rehabilitation, Engineering and Design Services, Miami Beach, FL
- Water, Wastewater, and Reclaimed Water Planning and Geological Services for Un-Sewered Commercial and Industrial Areas, Miami-Dade County, FL
- City of Coral Gables City-Wide Assessment of Pump Station Telemetry System, Coral Gables, FL
- Pump Station 1 Rehabilitation and Hardening, Engineering and Design Services, Miami Beach, FL
- City of Miami Beach, W-2 Water Booster Pump Station Rehabilitation, Engineering and Design Services, Miami Beach, FL
- Water, Wastewater, and Reclaimed Water Planning and Geological Services for Un-Sewered Commercial and Industrial Areas, Miami-Dade County, FL
- City of Coral Gables City-Wide Assessment of Pump Station Telemetry System, Coral Gables, FPump Station 1 Rehabilitation and Hardening, Engineering and Design Services, Miami Beach, FL
- PS-0062 Replacement, Gravity Main Extension and Force Main Installation, City of Miami, FL
- Broward County Water and Wastewater Services (BCWWS) Regional Transmission Master Plan, Broward County, FL
- er Distribution System Assessment and Optimization, Opa-Locka, FL



### **EDUCATION**

- MS, Civil Engineering, University of Miami
- BS, Chemical Engineering, Simón Bolívar University

### **CERTIFICATIONS**

Envision Sustainability
 Professional (ENV SP)

YEARS OF EXPERIENCE Total: 8 | With Firm: 8

PERCENT OF TIME ASSIGNED TO PROJECT:80%





EDUCATION

 BS, Civil Engineering, University of Central Florida

### **CERTIFICATIONS**

- Professional Engineer, FL#64074
- Qualified Stormwater
   Management Inspector, Florida
   #22365
- Certified Floodplain Manager, Florida,
- US-12-06219

YEARS OF EXPERIENCE Total: 24 | With Firm: 24

PERCENT OF TIME ASSIGNED TO PROJECT:80%

## **STEVE** SOMMERFELDT, PE, CFM ENGINEERING DESIGN

Mr. Sommerfeldt has served as Project Manager and Project Engineer on various stormwater and water resource projects for municipal government clients throughout Florida since 2001. His key expertise includes stormwater retrofits and master planning efforts, including drainage infrastructure inventory and evaluation, hydrologic/hydraulic modeling, floodplain analysis, construction plans preparation, and construction oversight.

## PROJECT EXPERIENCE

WFWMD Watershed Management Program, Jumper Creek Watershed (N487), Sumter County, FL: Completed a flood protection LOS analysis, a surface water resource assessment (pollutant loading model), and a BMP alternatives analysis for the Jumper Creek Watershed. Services included hydrologic and hydraulic modeling, pollutant loading analysis, GIS spatial analysis, LOS analysis, and BMP alternatives analysis.

**SWFWMD** Watershed Management Program, Anclote East WMP Update (N489), Pasco County, FL: QA/QC Officer. Watershed maintenance update and an alternative analysis for a 14.1 square mile portion of the Anclote East Watershed in south Pasco County. Services include topographic data review, GIS/GWIS data development, HydroNetwork mapping, ICPR model development and validation, floodplain analysis and mapping, and alternatives analysis for flood improvement BMPs.

SWFWMD Watershed Management Program, Cardinal Lane, Citrus County, FL: QA/QC Officer. Assessed the LOS, develop a surface water resources assessment, and evaluate best management practices (BMPs) for the 2012 Cardinal Lane WMP. The Cardinal Lane WMP encompasses an area of approximately 56.8 square miles in the southwest portion of Citrus County. It is a predominantly closed watershed that is bound by the Homosassa River Watershed to the north, the Center Ridge Watershed to the east, and the Chassahowitzka River Watershed to the south.

Swann Lake Pump Station Study Phase 1, Orange County Public Works, FL: Project Manager responsible for coordinating internal work progress, coordinating with client, presenting project information to client, budgeting, scheduling, and providing QA/QC of deliverables. Mr. Sommerfeldt developed a comprehensive drainage and flood level of service evaluation of the study area, including floodplain delineation and stormwater pump station evaluation. Services for this project include topographic data evaluation and updates, infrastructure assessment, watershed evaluation, H&H model development, model calibration and validation, GIS/GWIS data development, HydroNetwork mapping, floodplain analysis and mapping, flood level-of-service assessment, and alternatives analysis.



**EDUCATION** 

BS, Civil Engineering,
 University of Florida, 1977

## **CERTIFICATIONS**

- PE Florida #32090

YEARS OF EXPERIENCE
Total: 48 | With Firm: 11

PERCENT OF TIME ASSIGNED TO PROJECT:80%

## STEVE WILLIAMS, PE ENGINEERING DESIGN

Mr. Williams has been engaged in civil and transportation engineering design and construction in South Florida since 1970. He has served as the record engineer for stormwater, utility, transportation, utility, roadway, and land development project spanning municipal, residential, mixed-use, and commercial. Steve's expertise covers roadway and site engineering design and analysis including paving, grading, drainage, water, and sanitary sewer systems. Throughout his career, Steve has served as a general municipal civil engineering consultant to cities such as Oakland Park, Miramar, Plantation, Fort Lauderdale, Sunrise, Pompano Beach, and Tamarac.

## PROJECT EXPERIENCE

**Parkland Stormwater Master Plan, Parkland, FL:** Principal-in-Charge. Led comprehensive SWMP which involved input from the public, City Officials, and staff, and included projected costs alternative funding mechanisms for each phase; review of existing permits for the water management districts that serve the City, as well as Broward County, SFWMD, North Springs Improvement District, and Pinetree Water Control District.

Abbott Ave Drainage Improvements Final Design - Phase II, Surfside, FL: Principal-in-Charge. Project included survey, SUE, civil engineering, FDOT coordination, bidding assistance, and construction program management services to the Client. Project included milling, resurfacing, restriping, preparation of construction documents, construction observation, final inspections, and final certification.

Zone 2 Drainage Study, Plantation, FL: Civil Engineer. Provided engineering services including evaluation of the existing stormwater system and development of CIP. Used H&H modeling to evaluate the overall existing stormwater system, identify potential areas at risk of flooding and evaluate future upgrades. Final report considered studies and models, data, permit conditions, and recently completed and ongoing projects.





### **EDUCATION**

- MS, Engineering Management, Troy University, 1997
- BS, Civil Engineering, Auburn University, 2000
- BS, Environmental Science, Auburn University, 1994

### **CERTIFICATIONS**

- Professional Engineer AL, FL,
   GA
- Board Certified Environmental Engineer
- Construction Documents
   Technologist

YEARS OF EXPERIENCE Total: 27 | With Firm: 25

PERCENT OF TIME ASSIGNED TO PROJECT:80%



EDUCATION

BS, Civil Engineering,
 University of Central Florida

## CERTIFICATIONS

- CTQP TIN # H65500159
- FDOT Concrete Field Inspector Specification
- Earthwork Construction
- Asphalt Paving Technician
- Concrete Field Technician
- Drilled Shaft Inspection
- Pile Driving Inspection
- Final Estimates Level 1 & 2
- QC Manager

### YEARS OF EXPERIENCE

Total: 30 | With Firm: 2

PERCENT OF TIME ASSIGNED TO PROJECT: 75%

## CHRISTOPHER TILMAN, PE, BCEE ENGINEERING DESIGN

Mr. Tilman is a civil engineer with more than 27 years of experience in several civil engineering disciplines, including stormwater planning and design. Mr. Tilman is very familiar with the requirements of Broward County for stormwater design and permitting and has extensive experience with ICPR4 modeling software. Chris also led the stormwater master plan for the City of Sebastian in Florida.

## PROJECT EXPERIENCE

Stormwater Master Plan (2023), City of Sebastian, FL: Project manager for development of a stormwater master plan to address long-standing drainage issues. Prepared a GIS map for the entire City stormwater system, conducting field inspections and surveys of more than 800 seawalls and 4,200 stormwater culverts, inlets and associated structures, hydraulic/hydrologic modeling of stormwater runoff flows and pollutant loading, identifying and prioritizing capital projects, grant funding analysis and application preparation, and preparation of a master plan, including a comprehensive operations plan for the City's system.

Dimick Road and Potter Road Improvements (2021), City of Boynton Beach, FL: Engineer of record responsible for the preparation of the engineering drawings, specifications, and SFWMD ERP permitting and FDOT ROW permitting for flood damage reduction improvements in an older 10-ac neighborhood. Work includes analysis of historical rainfall and tidal elevation data, widening three existing residential streets, adding curbing, modifying driveways, relocating and modifying water, wastewater, gas, power, and CATV utility services, retrofitting and redesigning an inlet-andpipe collection system to optimize flow through three existing outfalls, analysis and design of coastal structures, performing an alternatives analysis for various design options, and 2-D hydraulic and hydrologic modeling to simulate inline valve operations in all outfalls and tidal influences from the Lake Worth Lagoon.

Pinellas County Resource Recovery Facility NPDES Permitting Support Services, Pinellas County Department of Solid Waste, St. Petersburg, FL: Project Manager and Engineer of Record for the preparation of a year-long surface and groundwater predictive mathematical model to analyze the surface water levels, gradient controls and other issues contributing to NPDES discharge events at the 705-acre site. The model includes hourly calculations of surface inflow, horizontal and vertical infiltration in ponds, open channel flows, circular and box culvert flows, weir flows, pump operations and groundwater flows in 14 subbasins.

## ALBERTO HERNANDEZ CONSTRUCTION ENGINEERING INSPECTION

Mr. Hernandez has been an integral member of the Ardurra team. His experience, intellect and professionalism has allowed him to succeed in challenging projects from milling and resurfacing to full roadway reconstruction. His dedication is evident in the vast training and varied certifications he has pursued while ensuring that his project responsibilities were not jeopardized. Mr. Hernandez is a strategic and results-driven individual with a diverse skill set. He is a consummate professional adept at assessing and addressing the needs and challenges for projects of all sizes and complexity levels.

## PROJECT EXPERIENCE

Alberto served as Senior Inspector for the following projects:

- Loch Lomond North Drainage Improvement Project, Town of Miami-Lakes, FL
- · Commerce Way Drainage Improvement Project, Town of Miami-Lakes, FL
- FDOT D4, SR 858/Hallandale Beach Blvd. Reconstruction, Broward County, FL
- FDOT D4, I-595 Transit Mobility Hub, Broward County, FL
- Royal Oaks 6th Addition Drainage Improvement Project, Town of Miami-Lakes, FL
- West Lakes Gardens Drainage Improvements, Miami Lakes, FL
- · Commerce Way Drainage Improvement Project, Town of Miami-Lakes, FL
- FDOT D4, SR 858/Hallandale Beach Blvd. Reconstruction, Broward County, FL:
- FDOT D4, I-595 Transit Mobility Hub, Broward County, FL
- Royal Oaks 6th Addition Drainage Improvement Project, Town of Miami-Lakes, FL
- West Lakes Gardens Drainage Improvements, Miami Lakes, FL
- FDOT D4, SR 858/Hallandale Beach Blvd. Reconstruction, Broward County, FL
- FDOT D6, Krome Ave. North, Miami-Dade County, FL
- Miami River Greenway, Miami, FL





# EDUCATION BS Arts, Architectural Engineering, University of Miami 1990

### **CERTIFICATIONS**

- PE Florida #52802
- Qualified Florida Construction Stormwater Management Inspector
- SFRTA Contractor Safety
   Training
- Temporary Traffic Control Certification, Intermediate
- Temporary Traffic Control Certification, Advanced
- OSHA 10-Hour Safety Training
- CTQP Quality Control Manager

YEARS OF EXPERIENCE Total: 35 | With Firm: 14

PERCENT OF TIME ASSIGNED TO PROJECT: 75%



**EDUCATION** 

- BS, Integrated Degree in Engineering Arts & Science, Lehigh University
- BS, Civil Engineering, Lehigh University
- MBA, General, Quantic School of Business and Technology

## **CERTIFICATIONS**

- PE Texas #142357
- Certified Floodplain Manager,
   No. 3521-18N
- Envision Sustainability
   Professional #45246

YEARS OF EXPERIENCE
Total: 13 | With Firm: 11

PERCENT OF TIME ASSIGNED TO PROJECT: 40%

## JON WEYMOUTH, PSM CONSTRUCTION ENGINEERING INSPECTION

Mr. Weymouth has more than 30 years of experience in the planning, design, permitting, and construction of transportation, utility, and civil and environmental engineering projects throughout Florida. For the last ten years he has supervised engineering and technical personnel on large infrastructure programs for municipalities, airports, and transportation authorities. He proactively coordinates with all stakeholders, permitting authorities, and local, state, and federal agencies to ensure support the program's schedule and budget constraints.

## PROJECT EXPERIENCE

Abbott Avenue Drainage Improvements Final Design Phase II, Surfside, FL: Construction Manager. Ardurra provided survey, SUE, civil engineering, FDOT coordination, bidding assistance, and construction program management services to the Client. Ardurra oversaw structural engineering, mechanical and electrical engineering, and geotechnical engineering services provided by subconsultants. The Ardurra Team assisted in milling, resurfacing, restriping, preparation of construction documents, construction observation, final inspections, and final certification.

JKV Stormwater Master Plan, Pompano Beach, FL: Construction Manager. Ardurra assisted the Client in the development of a senior residential facility, formal and semi-formal gardens, and surface parking. Ardurra provided full services to the Client including civil engineering, survey/SUE, planning, landscape architecture, and CEI. The Ardurra Team assisted with the preparation of a topographic and boundary survey, tree survey, existing utility map, and conceptual development of an overall Stormwater Master Plan for the property. Additional Ardurra services included the estimated engineering design for Phase I projects, engineering for coordination and deliverable review, stormwater modeling, permitting, water distribution, and wastewater collection plan delivering a safe, functional space for the community to thrive.

Arts & Cultural Center, Hollywood, FL: Construction Manager. Ardurra assisted the Client with the redevelopment of a 5,400-SF education space for dance, music, visual arts, and new media, galleries, administrative offices, and an outdoor courtyard. Ardurra provided full services to the Client including survey and mapping, civil engineering including paving, grading and drainage, water distribution and sanitary sewer plans, stormwater prevention, hardscape and paving, landscape and irrigation design, and construction observation. The Ardurra Team assisted with the site plan and development of all onsite improvements. This was the first project in the City's plan to modernize and increase capacity for arts programming at the site. Future expansion will include construction of a new performing arts studio and renovation of gallery spaces.

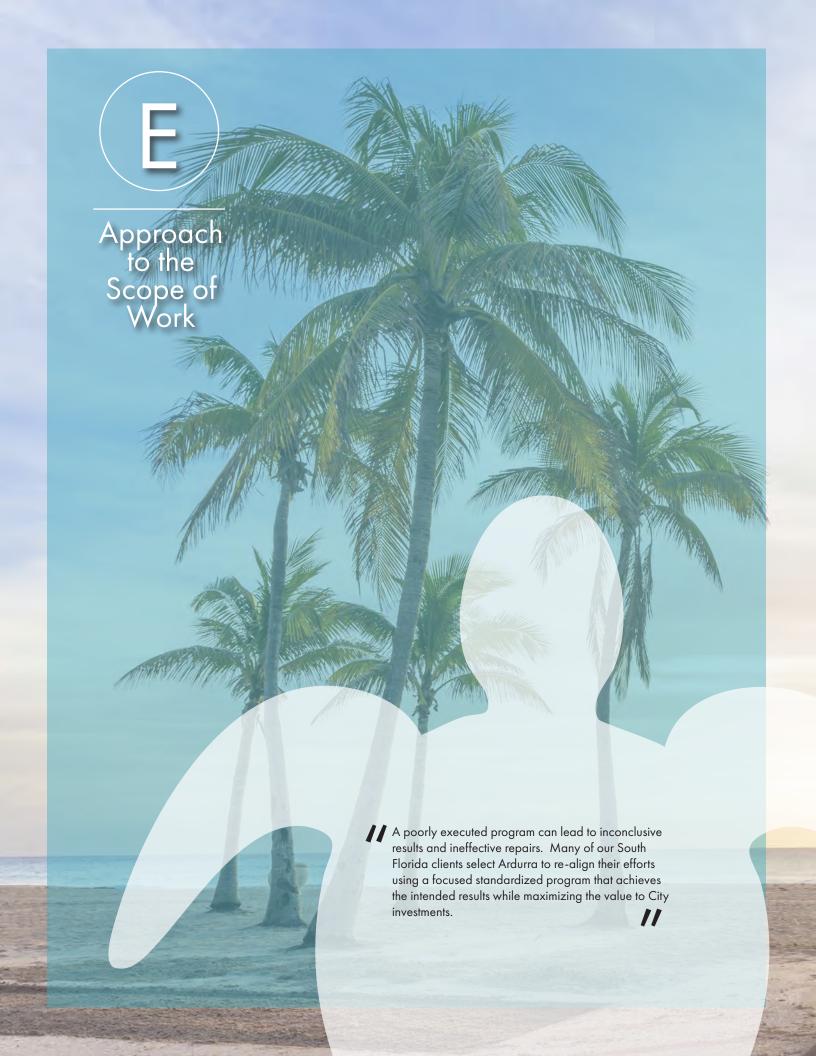
## WILL KUEHNE, PE, CFM, ENV SP DIGITAL TRANSFORMATION & CMMS

William J. Kuehne focuses on smart water projects and has provided extensive engineering support for a multitude of projects. William is a strong leader, who builds teams with a variety of perspectives, leading to robust and resilient outcomes. His innovative and interdisciplinary approach to engineering combines computer science, business acumen, stakeholder engagement, and traditional engineering. His engineering contributions keep projects on time and on budget. His attention to detail and strong time management deliver reliable and responsible results.

## PROJECT EXPERIENCE

GIS-Asset & Data Management. General Engineering Services for Disaster Mitigation for Wastewater Facilities Induced by Hurricane Harvey, Houston, TX: Performed wastewater modeling analysis and Capacity Analysis Reports for a variety of meter basins using custom ArcGIS and EPASWMM software. Calibrated individually or as part of a team Almeda Sims, Southwest, Greenridge, and Chocolate Bayou sewer sheds using Innovyze ICM software. Participated in or individually created master planning scenarios in of a variety of sewer sheds using ICM software and created master planning models as required by the city. Created unconstrained models of a variety of sewer sheds using ICM software, and created master planning models as required by the city. Created algorithmic procedures to automate master planning processes using SQL and Ruby. Throughout this work I have created SQL and Python tools tailored for the City of Houston to meet future modeling needs.

- Development of Advanced Water and Wastewater Infrastructure Analytics, Houston, TX: Developed semi-automated and automated methods to propagate master planning scenarios for wastewater collection systems.
- Malcolm's Method Hydrograph Method for Detention Volume Sizing: Utilized MathCAD to create a sheet to provide Malcolm's Method Detention Sizing in a very clear and concise method showing all calculations
- City of Houston, General Engineering Services for Disaster Mitigation for Wastewater Facilities Induced by Hurricane Harvey, TX: Performed Capacity Analysis Reports or a variety of meter basins using custom ArcGIS and EPASWMM



## PROGRAM MANAGEMENT COMMUNICATIONS

Communications is the single most important factor in achieving project success for:

- On time schedule compliance
- Completed costs within budget
- · Compliance with all regulatory requirements
- Constructed work meets owner expectations
- All issues resolved at construction completion
- Stakeholders and communications with the DPU and various City Departments - Communications, CMED as well as HOAs and adjacent municipalities to name a few



## KICK-OFF WORKSHOP & SEMI-ANNUAL WORK PLANNING

At the outset and prior to the initiation of work, our Program Manager (PM), Rares Petrica, and technical leadership with meet with you as part of a 'kick-off' program initiation meeting. A draft Program Management Plan (PMP) will be provided for review prior to meeting and updated as a result. Steps include:

- Goals, purpose, and objectives of program
- Schedule and resource projections
- Basis of planning/design criteria
- Quality management requirements
- Issues, challenges and risks

This same group will meet with you again on a semi-annual basis to ensure continued progress and make necessary adjustments to address changing conditions. This will also result in formal updates of the PMP.

## **WEEKLY - INFORMAL UPDATES**

Continual communications require an open culture of trust and direct engagement on important issues. Every week ends or begins with a verbal discussion with you and our PM along with a written two-week lookahead. Two-week look ahead provides:

- · Work completed over the previous week
- · Activities anticipated in the next two weeks
- · Identification of issues and responsible party
- Potential schedule, budget or change impacts
- Schedule or cost recovery strategy if needed

## MONTHLY - FORMAL MEETINGS AND PROGRESS REPORTING

You will be provided with a formal updated project report on a monthly basis that will also be used as the basis for onsite review meetings. This report includes:

- Gantt Chart based schedule update and identification of any potential impacts
- Project cost to budget updates and projections with identification of any potential issues
- Invoicing aligned with contracted Work Breakdown Structure and narrative description of corresponding work completed

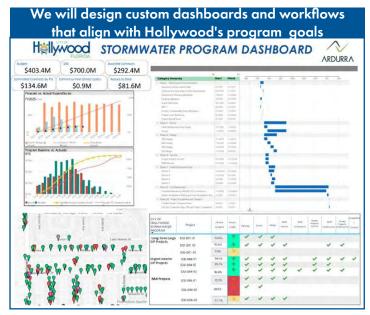
## PROGRAM / PROJECT TRACKING DASHBOARDS

We will develop Project Management Plans (PMPs) based on PMI standards and collaborate with stakeholders to design custom dashboards and workflows that align with program goals. Our expertise in data visualization and process automation ensures stakeholders gain clear, actionable insights from complex datasets, supporting effective decision-making throughout the capital program lifecycle.



To provide up to date insights on program performance, we leverage data visualization and analysis tools such as PowerBI or Tableau. These provide you web based access from anywhere on such issues as cost, schedule and status from a high level all the way to individual tasks. These are customized for each program specifics with the ability to connect data sets with your

- GIS and Asset Management Database
- Computerized Maintenance Management Systems (CMMS)
- Construction/Project Management Platforms



## QUARTERLY - EXECUTIVE BRIEFINGS

We recommend conducting briefings with your executive/management leadership and interested elected officials on a quarterly or semi-annual basis. During these we would provide a graphics heavy executive briefing along with an in-person presentation on the status and progress of the program. We find this effective at preventing unanticipated changes through addressing any questions or concerns of senior leadership in a proactive manner

### **DECISION GATE WORKSHOPS**

For all key project milestones, we will facilitate formal review meetings with you and your key staff in capital projects, operations and maintenance. Review materials will be provided prior to meetings and outcomes documented in decision log. Through this effort projects continue to progress without rework or changes that would pose potential delays.



## **COLLABORATIVE COMMUNICATION TOOLS**

A digital means of sharing project information with team members (PM, Engineers, Owner, Contractor, Reviewers, etc.) will be provided. This provides the real time and one-stop shop access to all information as it is developed, delivered, reviewed, and revised. Whether this be Microsoft Teams, SharePoint, ProjectWise, Autodesk Construction Cloud, or other systems; we

have established systems and standard methodologies in place.

Benefits and Outcomes



## PROJECTS PRIORITIZATION, PACKAGING, DELIVERY AND TRACKING

## PROJECT TRACKING SHEET

A Project Tracking Sheet is established at the outset of a needs identification from the CIP, Engineering or O&M. As the project is developed and implemented this tracking sheet is the primary "management tool" to see through planning, engineering, procurement, construction and commissioning.

- Project needs, purpose and priority
- Quantitative project definition
- Budget cost and schedule
- Delivery and procurement process
- Easement requirements
- Permitting and utility coordination
- Risks and issues for resolution
- Stakeholders



## **BUSINESS CASE EVALUATION**

Our approach to defining projects leverages current innovations with business case decision making. This aligns life-cycle costs, emerging technologies, regulatory environment, and operability. For this comprehensive decision making we typically perform facilitated workshops, open ideas development and quantitative rankings based on risks and competing priorities.

- Detailed life cycle cost analysis
- Emerging technologies and innovation
- Risk mitigation return on investment (ROI)
- End of useful life replacement or upgrade

## **ALTERNATIVE PROJECT DELIVERY ANALYSES**

Our approach supports the evaluation of risks, benefits and challenges of alternative delivery on individual projects. This is built on Ardurra's depth of work in design - build, progressive design-build, and CMAR. This includes making effective use of on-call construction contract vehicles. Our recommendations for CIP, repair, rehabilitation and renewal projects will leverage cost and schedule savings of each method.

Understanding benefits and challenges for the range of delivery scenarios.

- Cost estimating and construction market insights on costs impacts.
- Valuable decision-making tools for agile procurement and delivery.

## PROJECT DELIVERY PLAN

A Project Delivery Plan (PDP) is built on and coordinated with the Project Tracking Sheet, which will ensure that all parties with responsible actions are informed of the purpose, objectives, budget, schedule, and procedures. A dynamic PDP provides a common understanding of the unique methods of delivery for each project. This document will provide an ongoing guide for work, reporting and communications. This is critical to work as a single team with a common goal.

- · Purpose and objectives of work
- · Communications and roles
- Procedural requirements
- Design and performance criteria
- Standards of work
- Quality requirements
- Milestone events w/ activities

## COST ESTIMATING

Our team brings extensive experience in cost estimating, bid analysis, and value engineering across all phases of utility construction. Leveraging deep knowledge of local market trends and industry standards, including guidance from the Association for the Advancement of Cost Engineering (AACE) International, we deliver accurate estimates and effective cost management tailored to each project's scope.

### Estimate Delivery.

Our cost professionals develop and validate estimates using proven models, internal data, and professional judgment. We follow the Association for the Advancement of Cost Engineering (AACE)

	Primary Characteriscio	Secondary Characteristic							
ESTIMATE CLASS	LEVEL OF PROJECT DEFINITION Expressed as % of complete definition	END USAGE Typical purpose of osterada	METHODOLOGY Typical infirmating method	EXPECTED ACCURACY RANGE Typical +1 range relative to best index of 1 [a]	PREPARATIO EFFORT Typical degree of offert selection to least cost index of 1 (b)				
Class 6	0% to 2%	Scienting or Feasibility	Stochastic or Judgment	4 to 20					
Class 4	1% to 15%	Concept Study or Feasibility	Electronic	3 to 12	2 to 4				
Class 3	50% to 40%	SINS to 40% Budget, Mared, but sons to 40% Authorization, or Presidly Control Stochaste		286	3610				
Class 2	30% to 70%	Control or Rid! Tendos	Primarily Determination	163	X to 20				
Ctess 1	50% to 100%	Oteck Estimate or Bid/Tender	Determinals		10 to 100				

International Practice 18R-97 and its five-class system to align estimate detail with project development phases.

Our team leverages historical data and regional expertise to improve estimate accuracy, particularly for South Florida conditions. Our estimates incorporate market surveys and pricing databases that reflect contractor availability, labor and material costs, risk factors, and other local variables.

**Basis of Estimate (BOE)**. The Basis of Estimate (BOE) outlines the assumptions, scope, methodology, and source documents used to develop a cost estimate. Our team uses a standardized template aligned with the Association for the Advancement of Cost Engineering (AACE) International's recommended practices.

The BOE defines the estimate's purpose, pricing basis, allowances, exclusions, and risks serving as both a communication tool and a project record. It supports scope clarity, cost tracking, dispute resolution, and estimate validation throughout the project lifecycle.

Suffek Cou	sty Bid											10 hp 1
Update Database	Group	Phase	Description	Takeoff Quantity	Labor Productivity	Labor Quantity	Labor Price	Labor Amount	Material Quantity	Material Price	Material Amount	Vendor Nam
Г	03-11-13.0		Structural Cast-In-Place Concrete			5.90		2,830			620	
F		03-11-13.45	Forms In Place, Footings			2.90		1,391			554	
-			E. IP. concrete fores, footing, continuous wait ply	290 EV 1/ca	100:000 M/cm/ch	2.90	479.73 /cm	1,291	290.60 s/ca	1.91 /6500	554	
		83-11-13.65	Forms in Place, Slab On Grade			3.00		1,439			54	
-			C.I.P. concrete forms, also or grade, edge, woold,	225.00 F	0.013 19/18	3.00	479.73, /68	1,439	225.00 F	0.30 81	55	
-	03-15-05.0		Concrete Forming Accessories			35.19		2,291			675	
Г		83-15-85-25	Expansion Joints			35.19		2,291			675	
r			Expension port, preveited, bitamirous fiber, 107 s.	1,850.00 F	10 021 ±9 /18	35.19	05.11 (ta)	2,291	1,050.00 F	0.41 85	675	
P.	03-22-00.0		Fabric And Grid Reinforcing			23.23		4,034			1,552	
P		63-22-65.50	Weiged Wire Fabric			22.23		4.034			1,562	
-		-	Wested was fabric shorts & c 6 - VIZ 1 x VIZ 1	30.00 te/	0.258 st/get	22.23	173.70 /48	4,534	141 22.00	17.25 April	1,552	
T.	03-31-05.0		Normal Weight Structural Concret			10.36		3,850			13,840	
P	-	03.31.05.35	Normal Weight Concrete, Reads Mrs.								13,840	
Ė			Stri concret ready rex normal wt 4500 balanchula i	142.50 tv			-		142.51 tr	97.13 Apr	13.040	
		83-31-85.70	Placing Concrete			10.36		3,850				
T			Structural concrete, placing, slab on grade, direct	142.58 cv	0.873 th/cy	71.30	371.46 (cn	3.860		12		
E	03-35-29.0		Tooled Concrete Finishing			231.60		47,289			11,310	
-		93-35-29.50	Finishing Floors			231AP		47,209			11,310	
P.			Chrish fire for agof man acce fire across 1,2,3 an	7,50018.97	0.005 (8747	34.95	283.11 /08	7,299				
r			Concrete finaling four granolitic topping, I"this	7,500 00 sf	0.014 ch/af	104.53	321.58 /ch	33,549	7,500.00 sr	0.50 lst	4,373	
T			Concrete frishing, foor, hardener, metallic, teavy	7,500.00 sf	0.812 .01/65	92.33	71.94 /cm.	6.642	7,500.86 sf	0.90 761	6,936	
F	03-39-23.0		Membrane Concrete Curing			6.32		748			558	
Г		03-39-23.13	Chemical Compound Hembranii Concrete			6.32		718			554	
The .			Concrete surface treatment, ouring, sprayed mem	75.08 cs/	0.884 (8 / cs?	6.32	118.47 /ce	748	76.00 067	7.45 -1061	568	
-	07-26-00.0		Vapor Retarders			16.22		1,189			333	
Г		07-26-10.10	Vapor Retarders			16.22		1,189			333	
Г			Vagor retarders, building paper, polyethylene vapo	75.00 60	0.2% (8/40	14.22	73:02 /cm	1,139	75:00 84	6.66 MQ	333	
L.	31-22-16.0		Fine Grading			16.50		1,742				
F		31-22-16.10	Firish Gradies			16,50		1,742				
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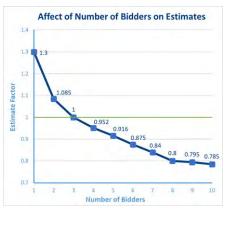
Market Analysis to Determine Escalation. Our team evaluates cost escalation by analyzing individual components such as

labor, materials, and risk factors. We begin with industry indices like the Engineering News-Record (ENR) Building Cost Index (BCI) and Construction Cost Index (CCI), then validate findings through local surveys.

We assess regional influences including bond measures, competing projects, and commodity volatility (e.g., steel, cement, fuel). Input is gathered from contractors, estimators, and trade representatives on labor availability, overhead, and material pricing. This data informs a market analysis report that projects escalation trends for use in budgeting and cost forecasting.

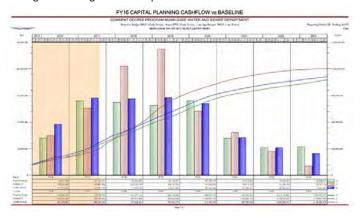
## **Procurement Phase - Bid Cost Analysis**

During procurement, estimating team our reviews final contract documents and submissions to support timely, accurate contractor selection. We assess constructability biddability confirm alignment with budget and schedule, analyze market conditions, attend pre-bid meetings,



and advise on procurement documents—particularly Division 1 and Special Conditions to protect the Owner's interests. Post-bid, we evaluate proposals and recommend the most responsive and responsible bidder.

**Change Review & Negotiation**. Our team has extensive experience in reviewing and negotiating construction change orders across major programs. For each scope change, we develop detailed cost estimates including direct costs (labor, materials, equipment) and indirect costs (extended overhead, impacts) to match the rigor of final design estimates. Upon receiving contractor proposals, we prepare a reconciliation summary, support negotiations, and document outcomes for stakeholder and audit review. Our approach has consistently achieved 15–30% cost savings on change order requests.



## **SCHEDULING**

**Schedule Management.** Establishing a realistic program schedule is critical to project success and begins with a well-defined scope and Work Breakdown Structure (WBS) to break work into measurable, time-phased elements. Input from all stakeholders ensures the schedule reflects project requirements and expectations.

Our scheduling team prepares logic-driven CPM schedules using Primavera P6 or Microsoft Project, tailored to each project and clearly presenting activity relationships for effective tracking.

As projects are prioritized, we develop detailed schedules with milestones for planning, design (30%, 60%, 95%, 100%), bidding, construction, and closeout. We also recommend including owner-controlled contingencies to account for delays from permitting, weather, or funding approvals—providing the flexibility to stay on track and meet key milestones

**Schedule Monitoring & Control**. After establishing the baseline schedule, our focus shifts to regular updates and proactive control of schedule changes. The Master Schedule is updated monthly to track progress, identify deviations, and assess risks to on-time completion. Contractor schedules are reviewed for compliance with baseline and contract requirements.

- Key monitoring elements include:
- Baseline adherence and realistic durations
- Review of contractor schedules and progress updates
- Deviation analysis and risk identification
- · Performance tracking against milestones
- · Claims mitigation and schedule recovery

If delays occur, our team promptly alerts project stakeholders and develops a Schedule Recovery Plan to identify the cause, corrective actions, and resources needed to restore the timeline.

**Scheduling Specifications.** Our team supports the development of clear, effective scheduling specifications based on extensive experience in preparing, reviewing, and analyzing construction schedules and delay claims. Specifications must define the required work breakdown structure, coding, activity durations, and inclusion of all key activities—such as permitting, procurement, inspections, owner decisions, and closeout tasks.

Contractor schedules are reviewed monthly against the approved baseline. **Deviations** are analyzed, and schedules recovery may be required to realign with project milestones. Our team also evaluates delay claims through time impact analyses using actual project records, including resource logs, photos, and payment data.





## PROJECT PROOF

On the Miami-Dade
Water and Sewer Department's Consent Decree
Program, our baseline
budget of \$2.1B and the
15-year schedule have not
deviated since initiating
work in 2014.



## PROGRAM MOBILIZATION & ALIGNMENT

Getting off to the right start is crucial, and at Ardurra, we place a strong emphasis on launching the program with purpose, clarity, and full team alignment. We begin with a comprehensive kickoff meeting that brings together City staff, field contractors, and Ardurra's management team to set expectations, confirm priorities, and establish an open and collaborative working relationship from day one.

## OUR COMMITMENT AT KICKOFF

- Understand the City's vision and goals
- Establish mutual expectations and success metrics
- Lay out the structure of communication and coordination

This session sets the tone for the program, with the goal of building trust, ensuring transparency, and charting a shared path forward.

**Living Program Management Plan (PMP).** We will prepare and present a comprehensive Program Management Plan (PMP) that's not just a static document—but a living framework that evolves with the program. This plan includes:

- A detailed Work Breakdown Structure (WBS)
- · Roles and responsibilities matrix
- · Communication protocols and decision-making hierarchy
- Health, safety, risk, and quality management procedures
- KPI tracking mechanisms

We'll also introduce foundational plans such as:

- Program Controls Plan
- Health & Safety Plan
- Risk Management Plan
- Document Control Plan

All team members, including City personnel and contractors, will have access to the PMP and participate in its ongoing refinement.



**Digital Program Controls and Dashboards.** To keep the City in the driver's seat, our team proposes to use web-based tools such as SharePoint for storage of program related information upon coordination with the City regarding data storage and transfer protocols.

- CIP schedules and milestone tracking
- Budget vs. actual performance
- Project locations and progress (GIS-linked)
- Permit status and inspection readiness
- Outreach activity logs and stakeholder input

Everything we do is centered around clear, real-time visibility for informed decision-making.



Data Management - Document Control & Reporting Throughout the Program. Once the program is on the way, organization is everything. Our document management systems are built to reduce risk, improve efficiency, and support informed decisions at every level.

## Centralized Digital Repository Using SharePoint or a City-preferred platform, we will:

- Maintain organized directories by project phase, location, and discipline
- Implement naming conventions and document lifecycle controls
- Provide real-time access and version control to all stakeholders
- Secured access for city staff and personnel

**Standard Operating Procedures (SOPs).** To reduce confusion and avoid delays, we'll define:

- Clear submittal and RFI workflows with deadlines and escalation triggers
- Roles and responsibilities for uploads, reviews, and approvals
- Logs and tracking tools for permit documents, pay apps, and inspections
- Roll out new standard design and specification to be utilized for all developments for conformity

Monitoring Key Performance Indicators (KPIs). To ensure the

City always has a pulse on the program, we track:

- Percent of projects on schedule and on budget
- Forecasted vs. actual spend
- Number of delayed permits and change orders
- Overall earned value metrics and productivity trends



These metrics will be displayed in a live dashboard and discussed at routine status meetings with City leadership.

**Custom Reporting and Dashboards** We don't believe in one-size-fits-all. Ardurra will tailor monthly and quarterly reports to meet the City's specific needs. Reporting will include:

- CIP progress dashboards by neighborhood and project type
- KPIs such as % of inspections complete, schedule adherence, and permit approvals
- Outreach activity summaries and complaint resolution status
- Earned value metrics and projected cost-to-complete

Large quantities of data are difficult and time-consuming to review and generate insights to support data-driven decision making.

To expedite the review process, our team has the capability to produce a Power Business Intelligence (BI) solution for the City to facilitate rapid and complete understanding of available data through powerful visualizations and dashboards.

The PowerBI modules can pull data from the City's decision support systems and display results in clear, easy to read, dashboards. Depending on an end-users need the dashboards can be modified to support the data-driven decision-making processes at all levels of the organization with a standardized data set.

## DATA COLLECTION, MODELING & PRIORITIZATION

Ardurra will deploy a phased, structured approach to data collection, modeling, and prioritization to support the successful execution of the City's stormwater CIP. This approach balances speed and accuracy to deliver actionable insights for both short-term and long-term project planning.

## PHASE 1

**Gather What Exists.** We begin by compiling available documentation, including:

- As-builts and GIS records
- LiDAR and hydrologic data
- Analyzing the City's ROCKSOLID system for resident flooding complaints
- City archive records and O&M schedules
- ERP permits, FEMA flood maps, FDOT drainage files

We will coordinate with Broward County, SFWMD, FDOT, and FEMA to ensure we're leveraging the most complete and current information. This collaboration also keeps key stakeholders aligned and informed.

Our partner, Arcadis, developed the City's Water Master Plan, which is expected to be formally adopted by the Commission within the next two months. With firsthand knowledge of all recommended water projects across the City's distribution system over the next 20 years, Arcadis brings a deep understanding that will be instrumental in coordinating drainage improvements. This insight allows for the design of stormwater systems with maximum efficiency—minimizing costly utility conflicts and potential relocations.

Additionally, our team will align planned water main replacements with proposed drainage installations, enabling a single construction mobilization and reducing overall disruption. This coordinated approach will streamline construction timelines, lower costs, and significantly reduce impacts to the community by avoiding multiple periods of road closures and utility interruptions.



## PHASE 2

**Field Verification - Precision Starts at the Desktop.** Keith will lead the field verification effort, ensuring the collection of high-quality and accurate data. The project will begin with a meticulous desktop review of preliminary GIS data provided by the city. We will cross-reference this information with detailed as-built drawings to verify the accuracy and completeness of the drainage structure locations. This step will ensure that field inspections will be targeted and efficient, saving time and resources from the outset.

**Smart Data, Smarter Tools** - With verified data in hand, we will configure custom forms within the ArcGIS Field Maps app, tailored to City's specific data schema. Enhanced with intuitive symbology, this app will enable field crews to easily identify structure types and inspection statuses, bringing clarity and consistency to every step of the process.

**Real-Time Field Intelligence** - Equipped with mobile devices (from tablets to cell phones), the field teams will hit the ground running. Using the ArcGIS Field Maps app, we can:

- Log results in real time
- Update the location of drainage structures
- Update infrastructure information such as Pipe material and Pipe diameter
- Capture and upload geotagged photos directly to the GIS database

This seamless integration of mobile technology will ensure that every data point is accurate, timely, and actionable.

**Data That Drives Decisions** - Back at the office, the collected data will be imported into ArcGIS Pro for post-processing. The team will conduct rigorous quality control, validate field inputs, and implement a systematic numbering convention based on geographic zones—creating a clean, organized, and future-ready dataset.

The Result: A Smarter, More Resilient Infrastructure - The finalized GIS dataset will equip the Team with a robust tool for proactive decision-making, strategic planning, and enhancing infrastructure resilience. By integrating advanced GIS technology and expert fieldwork into the City's asset management platform, this initiative will set a new benchmark for managing critical infrastructure in the digital era.

Keith has provided such efforts for Broward County and Port Everglades, enhancing their maintenance and planning efforts to support cost controls and program management.

## DELIVERY METHOD & RISK MANAGEMENT

Every neighborhood, outfall, and pump station is different—so our delivery methods must be equally flexible. We don't believe in a one-size-fits-all model. Instead, we help the City choose the best method for each project based on risk, complexity, and timing.

**Tailored Delivery Recommendations:** Together with City staff, we evaluate:

- Design-Bid-Build for straightforward or standard infrastructure
- Design-Build for time-sensitive or complex sites
- CMAR for high-risk or community-sensitive projects

Comprehensive Risk Management: Risk management isn't a checklist—it's a mindset woven into every step. We will maintain a dynamic, program-wide Risk Register to actively monitor and manage potential issues throughout the project lifecycle. High-risk projects—such as those involving complex permitting, major utility conflicts, or challenging soil conditions—will be identified early. For each identified risk, we will assign a mitigation lead, define resolution strategies, and establish clear timelines to reduce uncertainty and avoid downstream delays.

To support the City in managing stormwater infrastructure programs, we have developed a preliminary RISK IDENTIFICATION MATRIX
- REFER TO THE FOLLOWING PAGE. This matrix is tailored to highlight potential risks and corresponding mitigation actions for Interim, Renewal & Replacement (R&R), and Neighborhood CIP projects.

## 'WISE' ENGINEERING - VALUE BASED PROJECT DEVELOPMENT

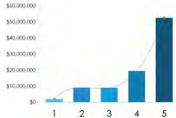
Water Infrastructure Strategic Evaluation (WISE) is Ardurra's approach during the preliminary assessment phase of any project. Our protocol ensures each individual project is carefully analyzed to determine the most cost-effective approach to complete the project.

- Data collection, field assessment & hydraulic analysis
- · O&M records understanding of needs
- Prioritization by stakeholder criteria & Owner preferences
- Compare outcomes of potential projects for:
  - O&M asset upgrades/repairs
  - · Rehab of existing infrastructure
  - Capacity upgrades and expansions
  - Interconnected off-site capacity
  - New or replacement facilities

 Explore & execute Join Project Agreements with surrounding municipalities and agencies

 Cities of Hallandale Beach and Dania Beach, SFWMD, and CBWCD to name a few





The 'WISE' engineering approach was implemented in the MDWASD Pump Station Improvement Program — saving the County \$37M and we were able to complete additional projects with the existing contract capacity! We will apply all lessons learned and our WISE Engineering to these new projects.

Our team partner, Arcadis, developed the initial service line inventory for the City as part of the Lead & Copper Rule compliance efforts. Through extensive as-built reviews, field investigations, and predictive modeling, Arcadis identified and cataloged all service lines citywide, ensuring compliance with EPA regulations. Although no lead service lines were found, the inventory revealed a significant number of galvanized lines requiring replacement by October 2037, to meet federal mandates. Arcadis leveraged advanced data analytics and predictive modeling techniques to pinpoint the locations of these galvanized service lines with precision, enabling efficient planning and prioritization.

To maximize efficiency and minimize community disruption, Arcadis recommends integrating galvanized line replacements into current or future stormwater or sewer projects to ensure a coordinated effort, reduce mobilization costs, minimize utility conflicts, and prevent repeated road closures. Additionally, Arcadis' predictive modeling provides critical insights into prioritizing replacement efforts based on risk factors such as pipe age, material condition, and proximity to critical infrastructure. By aligning these replacements with broader capital improvement projects, the City can realize significant cost savings while addressing long-term regulatory requirements effectively.

**Constructability Review and Mitigation Planning.** We facilitate early design reviews to anticipate challenges and:

- Flag utility conflicts before 30% design
- · Build in permitting lead times
- Recommend field-proven construction alternatives (e.g., trenchless methods, tidal valve details)

The result? Fewer surprises in the field, fewer change orders, and a smoother path to construction.

Quality Control (QA/QC) Management Plan. For all aspects under this program, our goal will be to provide the City with high-quality, on-time deliverables that can be relied on. Our team will use planned processes and activities that ensure the effective operation, planning and control of our processes. We recognize that quality is a continuous improvement process updated through a constant feedback process to incorporate successful techniques and lessons learned from our project execution practices. All subconsultants will also be provided with our QA/QC requirements to ensure their submittals are in accordance with the expectations and requirements of Program.

RISK IDENTIFICATION MATRIX							
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ID	ISSUE/RISK	CONSEQUENCES	MITIGATION ACTIONS	RISK TYPE			
1	Utility Conflict	Delay in design and/or construction	<ul> <li>Confirm utility coordination during design</li> <li>Coordinate early with utility owners</li> <li>Assign SUE staff</li> </ul>	Coordination			
2	Poor Soil Conditions	Construction change orders, redesign	<ul><li>Analyze geotechnical data</li><li>Recommend site-specific construction methods</li></ul>	Technical			
3	Easement Delays	Project delay	<ul> <li>Identify/obtain early easements</li> <li>Use legal/outreach tools</li> <li>Verify legal limits and encroachments</li> </ul>	Regulatory			
4	Permitting Delays	Project delay	<ul><li>Early permit needs ID</li><li>Assign experienced staff</li><li>Coordinate with agencies</li></ul>	Regulatory			
5	Schedule or Cost Overruns	Budget overruns	<ul><li>Track schedule/cost</li><li>Build contingencies</li><li>Forecast and monitor trends</li></ul>	Financial			
6	Public Complaints/Concerns	Project delay	<ul><li>Implement Community Awareness Plan</li><li>Elevate/resolve concerns</li><li>Conduct outreach meetings</li></ul>	Public Relations			
7	Accidents/Injuries	Delay / Litigation risk	<ul><li>Site-specific safety plans</li><li>Training</li><li>Zero-tolerance culture</li></ul>	Health & Safety			
8	Staffing Issues	Missed milestones, resource conflicts	<ul><li> Allocate sufficient staff</li><li> Include specialty services</li><li> Scale as needed</li></ul>	Operational			
9	Weather-Related Delays	Schedule disruption, site flooding	<ul><li>Schedule weather buffers</li><li>Use erosion BMPs</li><li>Secure sites</li></ul>	Environmental			
10	Material Shortages/Lead Times	Schedule impacts, added costs	<ul><li> Pre-order materials</li><li> Maintain vendor flexibility</li><li> Identify alternatives</li></ul>	Procurement			
11	Scope Creep / Changes	Cost and schedule increases	<ul><li> Enforce formal change process</li><li> Document scope clearly</li><li> Approve before proceeding</li></ul>	Management			
12	Inter agency Coordination Failures	Delays in permits or utilities	<ul><li>Assign central POC</li><li>Regular coordination meetings</li><li>Track timelines closely</li></ul>	Coordination			
13	Environmental / Contamination Issues	Redesign, costs, regulatory penalties	<ul> <li>Perform early site assessments</li> <li>Include remediation plans</li> <li>Coordinate with DEP/EPA</li> </ul>	Environmental			
14	Temporary Drainage During Construction	Flooding, erosion, site washouts	<ul><li>Design interim drainage</li><li>Maintain positive grading</li><li>Adjust BMPs with weather updates</li></ul>	Environmental			

## DESIGN, PERMITTING & EXECUTION

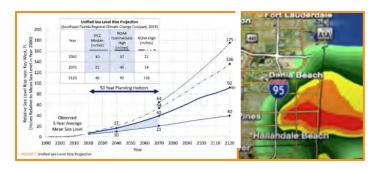
We begin each project by aligning with the City's goals, priorities, and constraints during the scoping phase. This early coordination ensures a clear understanding of expectations related to scope, budget, and schedule. Where beneficial, we recommend bundling interim and R&R projects to streamline procurement and accelerate delivery.

## RESILIENT DESIGN FOR A CHANGING CLIMATE

Ardurra incorporates Sea Level Rise (SLR) and climate adaptation into every phase of planning and design. Using regional SLR projections and tools like the USACE SLC Calculator, we assess future conditions and design resilient, future-ready infrastructure.

## We account for:

- · SLR tidal impacts and storm surge projection analysis
- High intensity rainfall
- Flood vulnerability and hydrologic/hydraulic modeling
- Infrastructure capacity and chokepoints
- Infrastructure hardening for saltwater and tidal impacts



# HYDROLOGIC & HYDRAULIC AND MODELING VALIDATION, MONITORING, AND FORECASTING

We will refine the City's SWMP model (originally developed by CDM), integrating new data to simulate system performance under a range of storm events and future climate scenarios.

Our modeling supports pipe sizing, system optimization, and validates design performance—ensuring every CIP is both effective and defensible. Our team will run multiple scenarios to test system resilience and evaluate proposed improvements. We focus not only on current issues, but how the system will perform in 10, 30, and 50 years.



Having developed the City of Hollywood's Water Master Plan, Arcadis is uniquely positioned to support the City's stormwater initiatives. Our integrated understanding of water and stormwater systems enables us to apply advanced modeling, GIS integration, and predictive analytics to design resilient, future-ready infrastructure.

## **TOOLS INCLUDE**

Integrated Hydrologic & Hydraulic Modeling. We use advanced modeling tools that incorporate real-time data and predictive analytics to simulate stormwater system performance under various conditions—rainfall, tides, and groundwater fluctuations. This allows for optimized design and proactive flood mitigation strategies.

## PROJECT PROOF

Miami-Dade County Flood Mitigation Program — Applied predictive modeling to evaluate flood-prone areas, optimize drainage improvements, and enhance community resilience.

## Nexus Live: Real-Time Monitoring & Forecastina

Arcadis' proprietary Nexus Live platform centralizes data from flow sensors, rainfall gauges, pump stations, and GIS systems into a single dashboard, enabling:

- Real-time monitoring of system performance
- Predictive analytics to forecast flood risk
- Proactive decision-making (pump capacity and efficiency, diversion strategies)
- Emergency response support and CIP planning

### PROJECT PROOF

**Portsmouth, VA Stormwater Optimization** — Nexus Live enabled dynamic modeling of storm impacts, operational response adjustments, and visualization of flood-prone areas. The result: faster response times, reduced flooding, and smarter resource deployment.



GIS Integration & Asset Management. We integrate stormwater infrastructure with GIS and asset management systems to provide a holistic view for prioritization, condition assessments, and investment planning.

### PROJECT PROOF

New York City DEP Asset Management Program — Leveraged GIS and predictive modeling to support stormwater upgrade planning and reduce system vulnerabilities.

Predictive Infrastructure Planning. We use predictive analytics to align stormwater upgrades with long-term city planning, minimizing utility conflicts and avoiding costly relocations—an approach directly applicable to Hollywood's integrated infrastructure goals.

### PROJECT PROOF

Portsmouth, VA: Real-Time Modeling for Proactive Flood
Management — Deployed Nexus Live to simulate storm impacts
using live rainfall data and forecasted weather patterns. The
platform enabled real-time monitoring, dynamic flood risk
assessment, and operational decision-making—such as preemptive
pump activation and flow diversion to reduce system stress.

### **Key Benefits:**

- Modeling tidal impacts and stormwater flows to identify network bottlenecks
- Real-time system adjustments (optimizing detention basin levels)
- Faster response times and reduced flood damage.
- Enhanced resource efficiency during storm events.

Nexus Live also integrated with GIS and asset management systems, allowing Portsmouth to archive event data, generate visualizations of vulnerable areas, and inform future capital improvement planning—capabilities directly transferable to the City.

## PRELIMINARY ENGINEERING & ALTERNATIVES ANALYSIS

We work closely with the City to evaluate and refine alternatives based on performance, community input, and cost. Project schedules and budgets are adjusted in coordination with staff to reflect the preferred direction.

**Geotechnical Investigation**. Our partner, Terracon, performs subsurface investigations in accordance with County and City requirements. These borings provide critical information on groundwater elevation, percolation, and soil conditions to support constructability and design.



**Utility Coordination**. To minimize conflicts and delays, we identify and resolve utility issues early using Sunshine 811 data and direct coordination with utility owners. A tracking matrix will document outreach, utility contacts, and identified conflicts through final design.

We coordinate directly with City Operations for any required shutdowns, bypass plans, or utility relocations. Notifications and staging plans are developed well in advance:

- 1 month for smaller projects
- 6 months for large pump stations or trunk main work

**Design Development Milestones.** We progress through the 30%, 60%, 90%, and 100% design stages—incorporating feedback, constructability reviews, and Envision sustainability criteria at each milestone. Whether the City prefers a 30–90–100 or 30–60–90–100 structure, our team is flexible.

## **RISK-BASED PRIORITIZATION**

We will perform as risk-based evaluation of the Urgent Interim Projects based on:

- Flood risk and vulnerability
- Ease of implementation
- Environmental and community considerations

- · Constructability and permitting complexity
- Timeline feasibility

The objective is to identify "low-hanging fruit" and early-win projects that can be advanced quickly, maximizing impact and improving long-term program efficiency. Our team is fully prepared to manage the program workload. With seven dedicated design teams and strong local expertise, we intend—pending funding availability—to bundle the design and construction of the Urgent Interim CIP projects to maximize efficiency. We are ready to begin immediately, targeting design and permitting for the first five CIPs and the Annual Stormwater Contract within 6 to 9 months of NTP. With our available capacity, we anticipate delivering five CIP projects every six months and completing construction of all Urgent Interim CIP projects within three years.

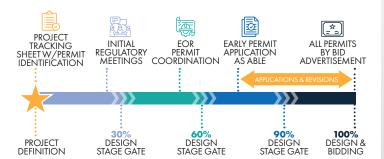
First 6 Months	12 Months	18 Months	24 Months	30 Months
Design & permitting of <b>5 CIPs</b>	Construction of <b>5 CIPs</b>	Construction of 6-10 CIPs	Construction of 11-15 CIPs	Construction of 16-20 CIPs
Advertise & procure Annual	Design & permitting of 6-10	Design & permitting of 11-	Design & permitting of 16-	Design & permitting of 20
SW Construction Permit	Urgent CIPs	15 Urgent CIPs	20 Urgent CIPs	Long Term CIPs
1. D1 SW08/SW07 and Discharge Pipe Improvements (Moffett Area) 2. D1 HBCG Stormwater Pipe and Swale Improvements (East Johnson Grant Hayes) 3. D1 Arthur St and W Lake Park Entry Dr Backflow Valves (Hollywood Lakes North) 4. D2 Cody Street Stormwater Improvements 5. D2 Fletcher-Mayo Street Exfiltration Systems	6. D2 Royal Poinciana Exfiltration Systems 7. D2 Taylor Polk Street Improvements 8. D3 Highland Gardens Exfiltration Systems (Washington St) 9. D3 Rainbow Drive Stormwater Swale (Hospital Area) 10. D3 Park & Johnson (Hospital Access) Stormwater Improvements	<ul> <li>11. D3 Johnson St &amp; N Park Rd Drainage Improvements</li> <li>12. D3 Harding Pond</li> <li>Stormwater Pipe Outfall to Rotary Park (Liberty St)</li> <li>13. D3 Pierce Street Detention Pond and Stormwater Pipe (Northcentral)</li> <li>14. D3 N 26th Ave and Harding Stormwater Improvements</li> <li>15. D4 CS-22 Structure Backflow Prevention Modification</li> </ul>	16. Driftwood Neighborhood Exfiltration Systems 17. D5 Boulevard Heights Neighborhood Exfiltration Systems 18. D6 S 62nd Ave City Gateway Entry Exfiltration Systems (Beverly Park) 19. City Integration Project (Seawall, Sunset Park and others 20. Potential Land Acquisition	21. Other Urgent projects identified as needed or funded with grants and implementation of long term CIPs
Implementation of Annual SW Construction Contract			R&R Projects & Iterim Projects	

## STORMWATER TOOL KIT

Our experts employ a stormwater toolkit approach to each stormwater design. We know areas throughout the city are different, in terms of elevations, proximity to waterways, and availability of green space and retention areas. Engineering BMPS that work in one area, may not work in another.

Neighborhood Condition	-		6								
	Bioswales	Exfiltration	Upsize Infrastructure		Tidal Control Valves	Seawall Repairs & Upgrades	Outfall Installation/ Replacement	Drainage Wells	Pumping Stations	Stormwater Preserves	Pervious Pavements
Coastal low lying projects, elevation 3' NAVD or less	女		女		*	女	女		女		
Inland neighborhoods with undersized/no infrastructure 3'-5.5' NAVD	女		女	女	★			女	女	女	★
Inland neighborhood projects with under- sized/no infrastructure 5.5' and above	*	女	★	★				女	女	文	女

**Permitting Strategy**. We take a proactive approach to permitting, initiating early contact with SFWMD, FDOT, and local authorities. Following the 90% "Permit Dry Run" review, we submit full sealed packages, complete with tracking matrices to manage agency responses. Our Program Manager leads this process to ensure timely submittals and approvals.



Constructability & Value Engineering. We design for real-world conditions—particularly in coastal areas where high groundwater, tidal backflow, and access limitations are common. Our team selects materials and construction techniques to maximize durability and minimize installation risks.

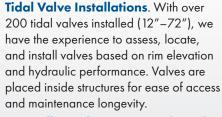


### **Best Practices Include**

- HP pipe in lieu of RCP to reduce joint failure risk & ease installation
- Tidal valves installed inside structures, prioritized by rim elevation
- Use of drainage wells, where permitted
- Trenchless methods (pipe bursting, slip lining) to avoid surface restoration
- Designs that enable wet-condition installation & dewatering support
- Swale establishment and incorporation within neighborhoods and secondary means of flood attenuation and water quality treatment
- Exfiltration trenches, where the topography allows. Typically, minimum ground elevation of 5.5' NAVD or above, and not connected to pumping systems

## SPECIALIZED EXPERTISE







**Seawall Replacement**. Ardurra has delivered over 7,500 LF of seawalls across South Florida. We implement cantilevered sheet pile systems (min. Elev. 5.0' NAVD), integrate tidal valves, and coordinate permitting for environmentally sensitive areas. Our construction approach includes pre-surveys, noise/vibration monitoring, and stakeholder notifications.



**Pump Station Design**. Our pump station solutions are built for longevity and performance, featuring:

- Optimized force main routing
- Tremie-poured wet wells for vibration control
- Energy dissipators to protect downstream structures
- SCADA and backup power integration
- SOPs and vendor-supported maintenance protocols

## **PROCUREMENT & BID MANAGEMENT**



Procurement processes represent the transition and handoff of project delivery steps between owner, engineer and contractor. We understand our role as program manager is critical in communicating and facilitating these responsibly changes to mitigate risks of potential scope gaps and schedule delays. For Stormwater Master Plan (SWMP) Neighborhood Projects, we implement a procurement strategy grounded in fairness and funding compliance. Our services include:

- Procurement Method Selection Recommending the most suitable approach (DBB, DB, Progressive DB, CMAR) based on project scope and risk.
- Grant Compliance Ensuring required federal, state, and local language is included in all documents.
- Bid Package Development Preparing clear, complete, and defensible bid documents to avoid delays or protests.

- Bid Review & Evaluation Analyzing line items for consistency, identifying unbalanced bids, and recommending awards.
- EOR Participation Supporting pre-bid meetings, issuing addenda, and verifying bidder qualifications.
- Evaluation & Scoring Applying structured criteria that consider lifecycle costs, responsiveness, and compliance.

Ardurra will assist with RFQ development for the first seven SWMP neighborhoods. Our team has prepared City of Fort Lauderdale SWMP bid packages for the—supporting over \$220 million in capital projects, with 6 of 8 neighborhoods constructed —and will tailor each solicitation to reflect local conditions, priorities, and funding constraints.

## ANNUAL STORMWATER CONSTRUCTION SERVICES CONTRACT

To expedite projects below the CCNA threshold—including Interim and R&R CIPs—we recommend developing an Annual Stormwater Construction Services Contract. Ardurra brings 10+ years of experience creating and managing similar contracts, including for the City of Fort Lauderdale.

Where no contract exists, we will draft a scalable, CIP-aligned framework that supports flexible implementation and cost control.

## **Key Features Include**

- Unit Price Schedule ~200 line items based on FDOT standards and customized for City infrastructure.
- CIP-Focused Work Items Covering tidal valve installations, seawall outfalls, pipe bursting, manatee grates, PRBs, dewatering, and emergency bypass pumping.
- Contingency Provisions Reimbursement for utility conflicts, specialized methods, permit/testing fees, and unanticipated restoration
- Rotational Contractor Pool Prequalify 5–7 firms to ensure rapid response, workload balance, and cost competitiveness.

This contract model provides a proven, adaptable tool for rapid infrastructure delivery, while maintaining quality and budgetary control.

## **CONSTRUCTION MANAGEMENT & CEI**

The Ardurra team will provide full-service CEI support for complex utility and stormwater projects across South Florida. Our experienced local team—led by Ricardo Escobar, PE, CGG, ENV SP—is fully equipped to meet all requirements of this solicitation.

We will deliver daily on-site inspection services to verify compliance with contract documents, approved submittals, permits, and project schedules. Our inspectors are OSHA-certified, CTQP-qualified, and experienced with large-scale public infrastructure.

Our CEI scope includes daily field reporting, QA/QC coordination, pay quantity tracking, construction schedule monitoring, and review of RFIs, change orders, and claims. We support equipment startup, punch list development, closeout inspections, and invoice validation.

Ardurra will prepare comprehensive daily and weekly reports covering work progress, safety, staffing, materials, and non-compliance issues. For grant-funded projects, we manage wage verification, audit documentation, and reimbursement tracking.

Closeout support includes final walkthroughs, as-built drawings, GIS updates, and O&M manual preparation. We also conduct post-construction warranty inspections and resolution tracking.

## **Ardurra's Recent CEI Experience in Proximity to Hollywood**

- City of Fort Lauderdale Inflow/Infiltration Reduction
- Miami-Dade WASD Consent Decree & 24" Force Main Projects
- City of Doral NW 89th Place & NW 114th/82nd St Drainage
- Town of Miami Lakes West Lakes Improvements
- Town of Surfside 96th Street Park (LEED Gold)

Ardurra's CEI team is experienced, responsive, and committed to ensuring quality, safety, and accountability from groundbreaking through project closeout.

## PROJECT PROOF

The City of North Miami Beach has undertaken a massive \$150M CIP to improve aging infrastructure. Ardurra serves as Program & Construction Management for 25+ projects, including major upgrades to a 41 mgd water treatment plant, undersized water and out of compliance pump stations.



# PUBLIC OUTREACH, STAKEHOLDER ENGAGEMENT & ENGINEERING REPRESENTATION

Effective communication is fundamental to successful project delivery. Ardurra integrates proven and innovative outreach strategies to keep City staff, stakeholders, and the public informed, engaged, and confident throughout the program lifecycle.

#### PROJECT PLANNING/ CONSTRUCTION **CLOSE-OUT** Designate Public Outreach Officer Project Closure and Customer Satisfaction Questionnaire Project Newsletters Project Website Homeowner Agreements Timeline & Milestones Project Completion Notification · Project Signs and Banners FAQ · Pre-Rid Notice City Commission Update of project Meetings Project Fact Sheet Contractor Selection Notice Customer Service

**Program Communications & Outreach Plan.** We will implement a tailored Communications Plan at project kickoff, focused on transparency, responsiveness, and public engagement. Proven through successful work with nearby municipalities including Miami-Dade WASD, Coral Gables, Ft Lauderdale, North Bay Village, and Surfside our approach keeps stakeholders informed and builds trust.

## **Key components Include**

- Designated City and community points of contact
- Real-time dashboards and project portals
- Public notices, newsletters, and Commission-ready reports
- A mix of in-person, virtual, and digital communication channels
- Develop and implement a response action plan to HOAs and resident ROCKSOLID complaints

This multi-platform strategy ensures consistent, accessible updates across all project phases.

## ENGINEERING REPRESENTATION – ON-SITE PRESENCE

Matthew Brooks, PE will serve as the City's on-site engineer and primary technical liaison, providing day-to-day leadership for implementation of the Stormwater Master Plan (SWMP). He will coordinate field activities, lead milestone reviews, maintain documentation and compliance tracking, and serve as the direct point of contact for staff, contractors, residents, and permitting agencies. His presence



ensures real-time responsiveness and continuous alignment with City goals.

## UTILITY COORDINATION & DEVELOPMENT REVIEW

Mr. Brooks will also oversee utility coordination, identifying and resolving potential conflicts with water, sewer, electric, and telecom providers to prevent service disruptions and delays. In parallel, he will review private development plans to confirm stormwater capacity, assess infrastructure impacts, align improvements with future CIP priorities, and update the SWMP model and GIS database to reflect new private infrastructure. His on-site role ensures effective coordination, issue resolution, and seamless integration of public and private stormwater improvements.



Interactive Portal Developed for the City of Coral Gables SSES Management

## PROJECT PROOF

Ardurra's Public Outreach Lead, Silvia Beltre, is currently working on FDOT District 6's Seven Mile Bridge project. She coordinated a unique level of public engagement, working with local volunteers to move and preserve important soft corals.



Arcadis is actively assisting the City to secure SRF financing for several water infrastructure projects. As such, we developed a collaborative relationship with the City Finance Dept. This partnership will be a key component of our strategic funding approach, enabling us to streamline the funding process and maximize efficiency and impact of available financial resources.

## STRATEGIC FUNDING

We recognize that funding is often the linchpin for successful program execution, especially for infrastructure as critical and expansive as stormwater improvements, where funding has not historically been as prevalent. Our team doesn't just track funding opportunities—we actively pursue, tailor, and align them with the City's evolving program goals. This isn't a generic process; it's a long-term strategy crafted with your capital project budgets, your timeline for each project, and the overall benefits to your community in mind.

Today, local governments face a complex array of competing priorities and issues – from replacing infrastructure that has reached the end of its useful life, supporting economic development and increasing resiliency to complying with more stringent regulatory requirements and balancing affordability concerns for their communities. These complexities make having a qualified consultant partner that can not only complete the engineering design but can also help secure the "best fit" funding a necessity.

Ardurra is that partner for Hollywood. We have become a trusted funding advisor for communities across the country, which was highlighted through our assistance in pre-positioning clients in advance of the American Rescue Plan Act (ARPA) and the Infrastructure Investment and Jobs Act (IIJA). This allowed our clients to be prepared and take full advantage of these unprecedented funding opportunities as they came to fruition. We are now using this same proactive approach with strategic positioning so that clients can take advantage of special appropriations through EDA and EPA along with other recovery funds related to recent declared disasters.

**Funding Strategy & Alignment.** Being able to put the City in the best position to take advantage of funding opportunities doesn't just happen, it takes developing a comprehensive and cohesive strategy. Working closely with the City, we will develop a Strategic Funding Plan that doesn't just list potential sources—it connects each capital need with realistic, high-probability funding opportunities. Our plan will include:

- A tailored funding matrix linking specific CIPs with viable grant or loan programs
- Timelines built around City milestones and application cycles
- Built-in tracking of match requirements, reporting deadlines, and eligibility criteria

**Targeted Programs & Experience.** This isn't theory. Ardurra has helped municipalities secure and manage a wide range of funds for stormwater-related projects, including:

- FDEP Resilient Florida Grant Program Funds
- FEMA Disaster Recovery & HMGP Resources
- HUD CDBG-DR/MIT
- HUD CDBG Infrastructure
- SRF & WIFIA Financing
- Economic Development Admin Grants
- EPA Section 319 Grants



Years of combined

Ardurra's Funding Team is led by our Director of Strategic Funding and Regulatory Affairs, Angie Mettlen, and is supporting by regional funding experts.

Ardurra has helped communities in the Southeast to secure \$3B in funding in the in the last 10 years.

We help our clients to administer and manage these funds, giving us a unique understanding of state and federal funding compliance and reporting requirements — from start to finish.

We have more than 80 years of combined funding experience for public infrastructure — which includes all current grants, low interest loans, and funding available to our South FL clients.

Ardurra's Project Manager, Rares Petrica, secured \$40M in grants and \$180M in WIFIA loans for the City of Fort Lauderdale's Stormwater Program, demonstrating our ability to manage complex funding strategies.



While the list of funding programs with which we have experience is expansive, there are other, smaller niche funding programs that may fit specific projects. We don't forget about these sources! Sometimes they are the funding 'gap fillers' that allow a project to move forward.

We also constantly look for new funding programs. If a new program is identified, the deep understanding our funding experts have on how to evaluate funding opportunities will allow us to quickly advise the City on the appropriateness of the program for their specific project. You do not get that type of expertise with just any consultant.

**Grant Application Development.** Our grant packages are not "cut-and-paste." We customize every application to reflect the City's unique infrastructure needs and strengths. Services include:

- Drafting compelling technical justifications and narratives that clearly align with funding agency priorities
- Developing detailed budgets that maximize funding
- Creating supporting visuals like vulnerability maps and benefitcost analyses
- Coordinating outreach materials and community support letters
- Ensuring alignment with resilience, environmental, and equity goals

**Post-Award Compliance and Reporting.** Securing the funds is just the beginning of the process. Once funding is awarded, effectively managing those funds and the agency requirements is where the rubber meets the road and where we can provide significant value to the City.

Because we have a wealth of experience with major state and federal funding programs, our team is particularly well-suited to help you and our internal project teams navigate the intricacies of programmatic requirements through the life of a project. This includes continuing to partner with City staff to:

- Prepare reimbursement requests backed by clean, audit-ready documentation
- Track all eligible expenses in real-time
- Maintain compliance with reporting and wage verification requirements
- Support agency visits and performance reviews
- We also maintain a live grant dashboard for ongoing transparency and coordination across departments

Our partner, Arcadis, is actively assisting the City in securing State Revolving Fund (SRF) financing for several water infrastructure projects. Over the past year, we have developed a strong and collaborative relationship with the City's Finance Department. This partnership will be a key component of our strategic funding approach, enabling us to streamline the funding process and maximize the efficiency and impact of available financial resources.

## ASSET MANAGEMENT & LONG-TERM STRATEGY

A successful stormwater program doesn't end at construction completion — it extends into long-term asset management, maintenance, and strategic planning. Ardurra supports the City in strengthening its GIS systems, condition assessments, and policies to ensure a resilient, data-driven foundation for the future.

## GIS, Cityworks Integration & Condition Assessment.

We will assist the City in collecting, validating, and cataloging field inspection data into its GIS database and integrating it with Cityworks. Our past work with Coral Gables produced easy-to-use GIS layers that improved utility coordination, reduced conflicts, and supported advanced modeling.

Our quality-controlled process ensures data is delivered in a format aligned with City standards and ready for future analysis.

**Condition Scoring & Risk Rating**. We evaluate field inspections (structure and CCTV) using standardized 1–5 condition scoring and combine this with consequence-of-failure (CoF) ratings to generate a risk score for each asset.

Our deliverables will:

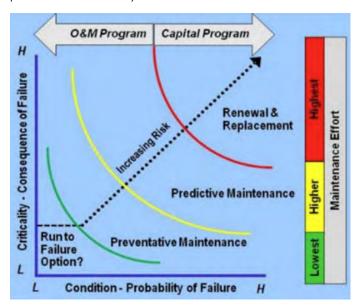
- Provide rehabilitation recommendations for each pipe and structure
- · Identify urgent repair needs vs. long-term planning priorities
- · Enable risk-based capital investment planning

Table 2.5: Condition Assessment Scoring Guide							
Grade	Common	Descriptor	Response	Residual Life (Lo. Entimeted V. Accet Consign Life Remaining)			
	Not Rated	Asset has been properly decommissioned, no longer exists for should be removed from inaccurate plans), has not been condition rated (or exempted an exhibited possibility in a series of the service of t	Response will very subject to conumentances. E. G. An attendance asset may expension and braics, which, unfaques, afti, and passe a meal danger that should be both monitored and managed.	NA.			
1	Very Good	Sound physical condition, Insignificant deterioration, Asset likely to perform adequately without major work. No or insignificant loss of hydraylic capacity. No immediate action regimed Maintain standard group ammed condition assessment.	No immediate action required. Maintain standard programmed condition assassment.	80% to 100%			
2	Good	Acceptable physical condition, releast determination/minor defects 4x40xx, releast loss of hydraulic partitionance, minorial short-term feature risk plup potentials for deterioration or long-term. Only minor sorts required (if any), No amendate action required. Maintain standard programmed conditions assessment.	No immediate action required other than possible dearing Maintain standard programmed condition assessment	38% to 60%			
,	†a	Moderate to apprilicant deservation existent, moderate toss of hydratic performance, foliage unlikely willish read 2 years but forther deservation leafy and many replacement leady within next 10 years. More components or incident sections of the asset need replacement or reper row but alone still functions addrs at always level of service. You're required but asset is still pervicable.	Take action as appropriate to address defeate and if necessary, classing, will restricted condition. Montals with programmed condition assessment for nativalistation and/or ranness in medium form.	20% to 35%			
	Pase	Serious determention and significant defects evident. Significant tass of hydrautic performance. Falsus Barly in short-term, Likely meet to septiace most or set of seast either 2 years. No immediate risk to health or safety but works required within 2 years to ensure safe. Substantial work required in short-term, asset benefy services or.	Table immediate action as appropriate to address the defects, immediately undertake risk assessment and farther imvestigate options. Subedule appropriate action—instabilitation of renewal in short term.	10% to 20%			
	Very Poer	Failed or faither imminent, tromediate road to replace most or all of asset. Health and selely housed with which present as a possible reak to public solvey, or asset cannot be serviced/operaged authors risk to personned. Major work or replacement required urganity. Take immediate action as appropriate to address the delacts.	Take immediate action as appropriate to soldness the delects. Immediately undertake rais assessment and further investigate systems, Sohedule appropriate action – immediate rehabilitation or remperal.	0% to 10%			

**Rehabilitation & Repair Recommendations**. Using a structured decision-making framework, we'll recommend the most appropriate repair method based on:

- Type and severity of failure
- · Feasibility and cost
- Life extension potential
- Utility conflicts and restoration costs

When trenchless methods are viable, we prioritize them to reduce surface disruption, minimize environmental impacts, and control costs. These solutions are particularly effective for avoiding pavement cuts and utility relocations in dense urban areas.



## Enhancing 'Soft Assets' — Policies, Standards & O&M Planning

At the City's request, we'll assist in developing or updating policies and maintenance programs that align with stormwater goals and regulatory needs.

Our Support Includes:

- Ordinance and design standard updates
- · Maintenance protocols for inspection, cleaning, and repairs
- Incentive programs for green infrastructure
- Integration of stormwater goals into zoning and land use codes
- Public outreach campaigns promoting runoff reduction
- Resiliency planning for SLR, tidal, and rainfall extremes
- Regional collaboration with peer municipalities and agencies

Ardurra's asset management support ensures your investments are protected, your infrastructure is resilient, and your long-term planning is guided by data, risk, and results.

**Septic to Sewer**. We are ready to support the City to implement the Septic to Sewer Program with a proven, results-driven approach. Ardurra and our partners have decades of experience delivering septic-to-sewer conversions across Miami-Dade and Broward Counties, including projects in urban, coastal, and high water table areas. We provide end-to-end support, including:

- Program Planning Prioritization based on environmental risk, infrastructure readiness, and cost efficiency
- Community Outreach Public engagement, homeowner coordination, and funding education
- Design and Engineering Gravity, low-pressure, and force main systems designed to address shallow cover and groundwater constraints
- Permitting Coordination with DOH, FDEP, and Broward County agencies
- Funding Support Assistance with SRF, state grants, and federal infrastructure funds
- Construction Oversight CEI services to ensure quality, schedule, and compliance.

Our team has successfully addressed groundwater and constructability challenges in recent efforts for Miami Beach, North Bay Village, and Miami-Dade WASD, and we are ready to bring that expertise to support Hollywood's infrastructure and public health goals.

## **PROJECT PROOF**

Ardurra developed a citywide septic to sewer conversion plan for the City of Coral Gables. The plan emphasizes the importance of a reliable wastewater collection and treatment system for sustainable growth, economic development, and natural resource health, and includes a prioritization framework, upgrade recommendations, hydraulic modeling, Class V cost estimating and public involvement. Ardurra served as prime consultant, providing data collection and GIS analysis, nutrient & pathogens impacts, planning, hydraulic modeling, and public outreach.



## **BLUE/GREEN INFRASTRUCTURE**

## ENHANCEMENT OF STORMWATER SOFT ASSETS: POLICIES, STANDARDS, AND O&M PLANS

At the request of the City, our team may provide assistance in identifying and/or drafting stormwater policies, standards, or ordinances that the City may want to adopt (or update) to implement the desired stormwater infrastructure upgrades. This may include:

**Stormwater Management Ordinances.** Revision/Update of ordinances that establish requirements for managing stormwater runoff from both new developments and existing infrastructure. These ordinances could include standards for stormwater infrastructure design, such as requiring the implementation of green infrastructure practices like rain gardens, and bioswales.

**Maintenance Standards.** Establishing maintenance standards ensures that stormwater infrastructure is regularly inspected, cleaned, and repaired as needed. This helps prevent deterioration and ensures the continued effectiveness of the infrastructure.

**Green Infrastructure Incentives.** Offering incentives such as grants, rebates, or tax credits can encourage property owners to implement green infrastructure practices on their properties. This decentralized approach can help augment citywide stormwater management efforts.

Land Use Planning & Zoning Regulations. Integrating stormwater management considerations into land use planning and zoning regulations can help mitigate the impacts of development on stormwater runoff.

**Public Education & Outreach.** Educating residents and businesses about the importance of stormwater management and providing guidance on best practices for mitigating runoff can help foster a culture of responsibility and cooperation within the community.

**Integration with Climate Adaptation Strategies.** Given the increasing frequency and intensity of extreme weather events associated with climate change, it is beneficial to integrate stormwater management policies with broader climate adaptation strategies. This may involve planning for increased precipitation, sea-level rise, and other climate-related impacts on stormwater infrastructure.

**Collaboration with Regional Partners.** Stormwater management often transcends municipal boundaries, so collaborating with neighboring jurisdictions and regional agencies can be essential for addressing shared challenges and leveraging resources more effectively.

By adopting, implementing and/or updating these types of standards, policies and regulations, the City may better manage stormwater runoff, improve the resilience of its infrastructure, and protect the environment and public health for current and future generations.

Additionally, we proposed to work with the City in the review and enhancement of its stormwater O&M plans, standard operating procedures, and update of the CIP Program.

# ARDURRA'S CURRENT WORKLOAD - AMPLE RESOURCES TO LEAD THE HOLLYWOOD PROGRAM

Ardurra maintains the capacity, structure, and personnel to effectively manage multiple projects of varying scope and complexity without compromising performance. Our team employs a proven Project Management Plan (PMP) that drives efficiency and ensures all projects—whether managed concurrently or independently—are completed on time and within budget

At the onset of each engagement, we develop a detailed Work Plan to align staffing and resources with the specific needs of the project. Schedule management and coordination are prioritized both internally among project managers and externally with our clients. Our PMP ensures that specialized team members are allocated strategically, allowing them to balance multiple responsibilities while consistently delivering high-quality, professional results.

To ensure continuous alignment of resources, our Project Manager, Rares Petrica, PE, works closely with task managers to proactively identify and address any potential impacts to scope, budget, or schedule. In addition, our team conducts monthly Staff Manpower Projections to evaluate staffing needs across active and upcoming projects. This tool enables us to anticipate workforce adjustments and respond quickly to any resourcing demands.

Ardurra's history as program managers on multimillion-dollar initiatives has refined our ability to manage several high-priority efforts simultaneously, while maintaining the agility to support new assignments as they arise. With 550 professionals across Florida and 1,800 nationwide, we are wellpositioned to support the City's needs at any scale.

Our proposed team—including key personnel and subconsultants—is fully available and ready to dedicate the time, focus, and technical expertise required for this engagement. This RFQ's services align with Ardurra's core business lines, and additional resources can be mobilized immediately if needed to maintain responsiveness and efficiency.

The table on the following page presents a snapshot of Ardurra's current and projected workload, highlighting our available capacity and readiness to serve as Program Manager for the City's Stormwater Program.

## **Ardurra's Current & Projected Workload**

PROJECT	CLIENT	STATUS OF COMPLETION	END DATE
I/I Program Management	City of Fort Lauderdale	12%	3/1/2029
Flood Protection Level of Service Study	South Florida Water Management District	14%	6/1/2029
CEI Services for L28 Levee Reconstruction	South Florida Water Management District	35%	12/1/2026
Multiple Drainage Improvements Projects CEI	Town of Miami Lakes	88%	12/1/2025
Bulkhead Replacement Program	Port Everglades	22%	7/1/2027
BCWWS NRWWTP Thickener Building Drainage	BCWWS	65%	9/1/2026
FLL Terminal 5 Drainage & Utilities	Broward County Aviation Department	74%	8/1/2026
Consumer Line Relocation Program - Phase II	Miami Dade Water & Sewer Department	88%	12/1/2025
Basin U-35S Drainage Improvements	Village of Pinecrest	85%	8/1/2025
I/I Program Management - Phase II	City of North Miami	94%	10/1/2025
Cairo Lane and 127th Street Improvements	City of Opa-Locka	75%	7/1/2026
Muss Park Stormwater Pump Station	City of Miami Beach	60%	12/1/2025
Pump Station W2	City of Miami Beach	80%	1/1/2026
Sunset Island FM Replacement	City of Miami Beach	94%	9/1/2025
City of Miami 8th St Roadway and Drainage Improvements	City of Miami Beach	10%	6/1/2027
Campana Drainage Improvement	City of Coral Gables	94%	12/1/2025
Malva Court Drainage Improve- ments	City of Coral Gables	63%	11/1/2025
Pump Station A5	City of Fort Lauderdale	10%	6/1/2026
Underline Phases 3-9 Drainage Project	Miami Dade Department of Transportation & Public Works	90%	10/1/2025
SCADA Master Plan	Seminole Tribe of Florida	95%	12/1/2025
Basin D3-1 Drainage Improve- ment	City of Doral	90%	12/2/2025
NPDES Permit	City of Coral Gables	25%	7/1/2025
Drainage GIS Updates	Bay Harbor Islands	4%	12/1/2025
NMB Water CIP PMCM	City of North Miami Beach	94%	12/5/2025



Ardurra, Arcadis, and Keith bring a fully integrated, locally based team with extensive knowledge of the City's infrastructure, flood-prone areas, coastal resiliency challenges, permitting requirements, and community priorities. With deep roots in South Florida, we understand the City's stormwater challenges — from aging infrastructure and tidal influence to high groundwater and limited outfall capacity — and we know how to deliver solutions efficiently, collaboratively, and with lasting value.

## REGIONAL EXPERTISE WITH PROVEN LEADERSHIP

Ardurra's South Florida operations include 150+ professionals experienced in stormwater planning, modeling, resiliency, design, permitting, and CEI. The Ardurra team has provided similar services to numerous local clients including: Central Broward Water Control District, Broward County, Miami-Dade County, the Cities of Fort Lauderdale, Miami, Coral Gables, Hallandale Beach, Doral, Miami Beach, North Miami, and Opa Locka; the Towns of Surfside and Miami Lakes; South Florida Water Management District; Fish & Wildlife Commission; Seminole Tribe of Florida, Fort Lauderdale-Hollywood International Airport, and FDOT.

## **CLIMATE RESILIENCY & HARDENING**

Ardurra brings extensive experience in climate resiliency and hardening of municipal infrastructure in South Florida. We have served as Program Managers for the South Florida Water Management District's Flood Protection Level of Service Program, since its inception. As such, we have worked closely with state and federal agencies and municipalities to identify coastal drainage systems vulnerabilities and develop hardening adaptation strategies to protect cities and counties against sea level rise and storm surges. This experience ensures that the City takes full advantage of current and future plans to future proof its infrastructure in a cost-effective manner.

## WE UNDERSTAND LOCAL CHALLENGES

Our team understands the unique conditions that shape Hollywood's stormwater needs, including:

- Flat terrain and limited outfall capacity
- Tidal backflow and high groundwater
- Susceptibility to hurricanes and storm surges
- Dense utility corridors requiring close coordination
- Construction sensitivities in high-visibility and residential areas

We prioritize early field verification, strategic phasing, and proactive public communication to minimize disruptions and ensure community support.

## LEADERSHIP WITH LOCAL KNOW HOW!

Leading our team is Rares Petrica, PE, with 20+ years of stormwater program experience, including as Program Manager for Fort Lauderdale's \$200M Stormwater Master Plan and CIP Program. His work designing eight neighborhood drainage projects, developing annual construction contracts, and managing seawall replacements, mirrors Hollywood's needs. He has overseen the implementation of more than \$230M in stormwater infrastructure, bringing proven, program-level leadership.

The Ardurra Team has completed 26 projects for the City of Hollywood — from condition assessment of water system assets, hydraulic modeling, and waster system master plans to rehabilitation design for water, wastewater, and roadway infrastructure. We understand the City's stormwater challenges — from aging infrastructure and tidal influence to high groundwater and limited outfall capacity.

## **REGULATORY COORDINATION**

Our team maintains strong, active relationships with all key permitting and regulatory agencies to streamline project approvals and minimize delays. These include:

- City Public Utilities & Engineering Departments
- Broward County Environmental Protection and Growth Management Department
- South Florida Water Management District and local drainage districts such as Central Broward Water Control District
- FDEP including SRF coordination
- FDOT and U.Š. Army Corps of Engineers
- Franchise utilities such FPL, AT&T, Comcast, and TECO
- Hollywood Community Redevelopment Agency
  - Neighboring jurisdictions and stakeholders including Hallandale Beach, Dania Beach, Fort Lauderdale, Town of Davie, Seminole Tribe of Florida, and Fort Lauderdale-Hollywood International Airport, for joint project agreements and multi-agency utility coordination

Our team regularly secures approvals from these agencies and coordinates permitting strategies to keep projects on schedule.

Critical to the success of implementing the City's stormwater program will be our intimate knowledge of the evolving regulatory environment. The passage of Senate Bill 7040 in 2024 has major implications for stormwater management in the City and throughout Florida with significantly heightened scrutiny of operation, maintenance, inspection, and performance, especially as it pertains to water quality criteria.

The Ardurra-led team brings decades of experience in pollutant load modeling to ensure that projects, particularly those modifying existing BMPs, will not degrade receiving water quality, and we will develop sound, defensible, and properly-costed operation and maintenance and inspection plans to ensure the long-term sustainability of proposed improvements, overcome new hurdles in the ERP application process, and support the City in meeting new operation-phase obligations throughout the lifetime of both proposed and existing stormwater infrastrucure.

## A STRATEGY FOR RESULTS

By combining technical depth, regional experience, and trusted City partnerships, we offer a streamlined and effective delivery approach focused on:

- Aligning water, stormwater, and roadway projects
- Accelerating permitting and maximizing funding
- Delivering community-sensitive, resilient designs
- Acting as a responsive extension of City staff

Together, Ardurra, Arcadis, and Keith offer the experience, local knowledge, and commitment needed to successfully support the City's stormwater program.

## PROVEN EXPERIENCE WITH THE CITY OF HOLLYWOOD

The Ardurra team has successfully delivered 26 projects for the City. We have worked alongside City staff; understand City processes, procedures, and procurement; and have prepared design and construction documents and performed CEI services in accordance with City design standards and guidelines. We understand the complex nature of stormwater management with low-lying areas and their susceptibility to high tide and regular rain flooding. We are cognizant of the balance that must be achieved between the permitting requirements, restricted positive outfalls, budget limitations, and existing historical drainage patterns. Our team has professional acumen to fully investigate the existing conditions and propose creative solutions that will resolve and simplify the feasible alternatives.

## Arcadis — 20 Years of Service to the City

Arcadis has been a trusted partner to the City for more than two decades. With strong working relationships across City departments, team members Leah Richter and Jose Custodio bring intimate knowledge of City processes and staff expectations. Arcadis developed the City's Water Master Plan and is actively assisting with SRF financing. This insight allows us to align drainage improvements with future water and roadway upgrades, reducing conflicts and maximizing funding efficiency.

## Keith — Local Delivery and On Call Experience

Keith,a Broward-based firm, has delivered multiple projects in Hollywood under on-call contracts.

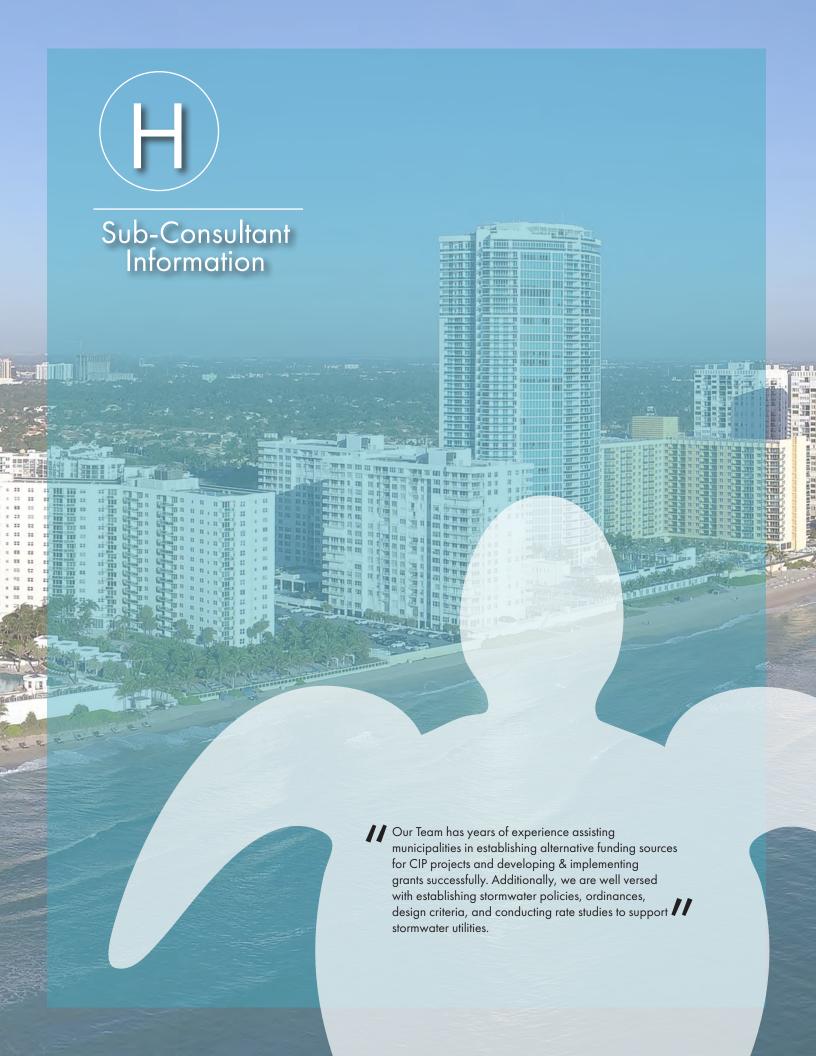
## THE ARDURRA TEAM'S CITY OF HOLLYWOOD PROJECT EXPERIENCE

PROJECT NAME	DATE(S)	PERMITTING	AGENCY COORDI- NATION	MODELING	DESIGN	PROGRAM MGMT	CM/CEI	PUBLIC OUTREACH
Water System Master Plan through 2045	2021-2025	✓	✓	✓	✓	✓	✓	✓
Lead and Copper Rule Revision Compliance	2023-2024	✓	✓	✓	✓	✓	✓	✓
AWIA Risk & Resiliency Assessment, Emergency Planning	2022-Ongoing	✓	✓	✓	✓	✓	✓	✓
4-Log Disinfection Upgrades and SRF Funding Support	2020-2024	✓	✓	✓	✓	✓	✓	✓
Design and CM for High Service Pump Stations	2017-2021	✓	✓	✓	✓	✓	✓	✓
Pilot Testing and BODR Development for MS/RO Facilities	2022	✓	✓	✓	✓	✓	✓	✓
Water Treatment Plant Filter Upgrades Evaluation	2021-2023	✓	<b>✓</b>	✓	<b>√</b>	✓	✓	✓
Aeration Pump Station Rehabilitation	2021-2025	✓	✓	✓	✓	✓	✓	✓
Water Treatment Plant - Maintenance Package A	2024-Ongoing	✓	<b>✓</b>	✓	<b>√</b>	<b>✓</b>	✓	✓
Hydraulic Modeling and System Calibration Updates	Ongoing	✓	<b>√</b>	✓	<b>√</b>	<b>✓</b>	✓	✓
Condition Assessment of all Water Facilities Assets	2021-2023	✓	<b>✓</b>	✓	<b>√</b>	<b>✓</b>	✓	✓
Condition Assessment of all Linear Assets - Water	2021-2023	✓	<b>√</b>	✓	<b>√</b>	<b>√</b>	✓	✓
Spiractors Treatment and Admin Building Structural Repairs	2023-Ongoing	✓	<b>✓</b>	✓	<b>✓</b>	<b>✓</b>	✓	✓
Wastewater Treatment Plant Switchgears Replacement	2025-Ongoing	✓	<b>√</b>	✓	<b>√</b>	<b>√</b>	✓	✓
Telemetry Assessment - Wastewater Pump Stations	2025-Ongoing	✓	<b>√</b>	✓	<b>√</b>	<b>✓</b>	✓	✓
Wastewater Treatment Plant Emergency Response Plan	2025-Ongoing	✓	<b>√</b>	✓	<b>√</b>	<b>√</b>	✓	✓
Miscellaneous On-Call Services Task Order	201-Ongoing	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	✓
SR-7 Art Installation	2025-Ongoing	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓
Architecture and Engineering Services	2021-2025	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>
North Beach Undergrounding & WM Improvement	2024-2025	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓
Park Boundary Survey Services	2023-2024	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	✓
Washington Street Maintenance Map	2020	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓
Pinnacle 441	2020-2024	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>
FLL Noise Monitoring Towers 12 & 13	2019-2020	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>
Sewage Lift Stations, Geotechnical	2011	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>
Hollywood CRA Streetscapes	2010	✓	<b>√</b>	✓	✓	✓	✓	✓



We are proud of the reputation we have earned as leading provider of engineering and CEI services in South Florida. We encourage you to ask our clients, who can attest to our unwavering commitment to clients service and best in class deliverables. Refer to Required Forms section for Form 4 Vendor Reference Forms.

CLIENT & YEARS OF	DESCRIPTION OF WORK	DEVIEW	CLIENT CONTACT & COMMENTS
SERVICE MIAMI DADE COUNTY WASD 9 Years- Ongoing  MIAMI-DADE COUNTY	Ardurra provided program management and construction management services for the \$215M Pump Station Improvement Program. Other work for department includes 500+ projects totaling \$400M in construction including I/I, condition assessments, GIS, O&M, WWTP, pump stations, and pipelines and engineering services for the \$1.9B USEPA Consent Decree program.	EXCELLENT in Every Category	ROLANDO ROQUE, PE Program Manager for Flood Protection Level of Service Program (e) roquer@miamidade.gov   (t) 786-552-8129 "Through its strategic engineering and I/I initiatives, Ardurra helped MDC avoid substantial penalties and saved up to \$37M. The staff provided quality engineering services in a professional manner, within schedule and budget and at a competitive rate. We are highly pleased with their services."
CITY OF CORAL GABLES 8 Years-Ongoing  CORAL GABLES THE CITY BEAUTIFUL	Ardurra has been the City's engineering consultant for a large number of projects including drainage, sewer, SSES, I/I, pump stations, roadway, GIS, NPDES, parking lots, canal maintenance, traffic calming, SCADA, CEI, and septic-to-sewer conversion master plan.	EXCELLENT in Every Category	JOSE OLIVO, PE Deputy Public Works Director (e) jolivo@coralgables.com   (t) 305-460-5000  "Ardurra's staff has proven to be technically qualified to perform engineering services for the City. We consider the company proficient in water, wastewater, stormwater and GIS. In addition, their honesty, attentiveness and responsiveness are among the best engineering firms in South Florida. Without any reservation, we recommend the firm to any client."
SEMINOLE TRIBE OF FLORIDA 5 Years-Ongoing	Ardurra provided SCADA services, telemetry improvements, master planning, GIS, public outreach, design, CEI, and inspections for roadway improvements, LCRR program, drainage, forcemains, water mains, water/wastewater lift stations, and infrastructure hardening.	EXCELLENT in Every Category	EMRAN RAHAMAN Public Works Director (e) emranrahaman@semtribe.com   (t) 954-347-9163 "Ardurra provided outstanding engineering services for this progressive design build project with an expedited schedule (design, permitting and construction) in 12 months. Their staff met and exceeded our expectations and we would recommend them."
CITY OF FORT LAUDERDALE 7 Years-Ongoing  FORT LAUDERDALE THOSE OF AMERICA	Program Management and Construction Management for the City's Infiltration and Inflow Reduction Program which encompasses the SSES, smoke testing, night flow studies, of over 186 basins and pump stations. In addition, assisted the City during procurement and performed CEI services to manage repairs on the sewer system.	EXCELLENT in Every Category	BRANDY LEIGHTON, PE Division Manager (e) bleighton@fortlauderdale.gov   (t) 954-828-5326  "Ardurra's staff is technically qualified to perform engineering, program management, and construction management services for the City. The firm has demonstrated proficiency and responsiveness in supporting the City's infiltration and inflow reduction efforts. We are satisfied with the quality of their services and would recommend them for similar work."
SOUTH FLORIDA WATER MANAGEMENT DISTRICT 24 Years-Ongoing	Ardurra provides staff augmentation for the SFWMD Flood Protection Level of Service Program. Principal, Level 5 and Level 4 Engineers/Modelers provide services to manage projects/contracts, participate as a member of the FPLOS technical team to analyze and interpret study results and to develop and recommend solutions to address FPLOS issues, coordinating with partners or stakeholders as required by a project, and to perform technical work and provide technical and management support as required by various FPLOS projects.	EXCELLENT in Every Category	HONGYING ZHAO, PHD, PE Program Manager for the Flood Protection Level of Service Program (e) hzhao@sfwmd.gov (t) 561-682-6860 "Ardurra is a reliable firm that has successfully completed several projects for the District throughout the years. Their staff is professional, and highly capable and we recommend their services."



Ardurra has crafted a local team to meet the very specific needs of the City's stormwater program. We have worked with each team firm extensively and can attest to their unwavering commitment to client service, high quality deliverables, and ability to thrive in a collaborative and cohesive team that is laser focused on meeting our clients goals and exceeding expectations! We are true believers that local firms provide the most value to our neighbor agencies and bring unparalleled knowledge of local conditions, permitting processes, as well as the local consultant and general contractor environment. Team firms and their anticipated percentage of involvement are highlighted below.

FIRM & % PARTICIPATION	ROLE & % INVOLVEMENT	OVERVIEW & CAPABILITIES	BENEFIT TO THE CITY OF HOLLYWOOD
KEITH & ASSOCIATES, INC.  KEITH & FILL OF THE STATE OF TH	<ul> <li>Civil Engineering</li> <li>Survey</li> <li>CEI</li> <li>Landscape</li> </ul> Participation 20%	Established in Broward County 50+ years ago, Keith is a leader in engineering design and survey for local municipalities. Keith has worked alonside Hollywood staff to deliver multiple projects including the SR-7 Art Installation, North Beach Undergrounding and Watermain, and Park Boundary Survey. Keith has led multiple stormwater and drainage programs in South FL, and understands the complexities of stormwater management in low-lying areas. Keith has successfully implemented LiDAR information for initial topographic investigation and determine key problem low areas and applied either ICPR or the EPA SWMM software models to analyze many projects similar to those in Hollywood.	<ul> <li>✓ Hollywood design and CEI experience</li> <li>✓ Experts in LiDAR and modeling</li> </ul>
ARCADIS  ARCADIS	<ul><li>Civil Engineering</li><li>Rate Studies</li><li>Ecological</li><li>Participation 15%</li></ul>	Arcadis is a global leader in stormwater management and climate resilience and has been at the forefront of helping communities implement climate and sea level rise adaptation strategies. Arcadis brings to the team extensive expertise in the areas of condition assessment and risk-based prioritization, linear assets repair and rehabilitation, environmental engineering, stormwater and green infrastructure, resiliency, and asset management. Arcadis has been a trusted partner to the City for 20+ years, most recently developing the Water Master Plan and assisting with SRF financing.	<ul> <li>✓ Hollywood master plan, design, funding support, and CEI experience</li> <li>✓ Experts risk based prioritization, rate studies, asset management</li> </ul>
PROGRAM CONTROLS, INC. (CBE & MBE)  ROGRAM CONTROLS INC	<ul> <li>Program Controls</li> <li>Cost Estimates</li> <li>Scheduling</li> <li>Participation 3%</li> </ul>	Based in nearby Davie, PCI is a Broward County CBE and FL MBE and is one of the few firms in South FL with a complete focus on all controls aspects of construction projects. For 20+ years, PCI has been responsible for project controls services for large water programs in South FL including Miami Dade County's \$2B Consent Decree, \$5B WASD-Managed CIP, \$400M South and Central District Treatment Plants, \$300M Prospect Lake Water Plant, and Fort Lauderdale's \$100M I/I Reduction Program.	<ul> <li>✓ Experts in program controls         <ul> <li>estimating, scheduling,</li> <li>cost control, claims</li> </ul> </li> <li>✓ Established and led project controls for \$100M to \$5B design &amp; construction programs</li> </ul>
TERRACON, INC.	<ul><li>Geotechnical</li><li>Hydrogeology</li><li>Participation 3%</li></ul>	With offices in Miami, Fort Lauderdale, and Port St Lucie, Terracon has a strong presence in South FL, offering specialized geotechnical, environmental, hydrogeology, and materials testing to local municipalities and consultants. Their local offices and lab facilities have extensive experience with these services for local clients in low lying areas and complex soil conditions, bringing three decades of pertinent local experience to the project team. Terracon has furnished geotechnical services to the City for roadway and street scape projects and sewage lift stations.	<ul> <li>✓ Experts in geotechnical and environmental in South FL</li> <li>✓ 30 years of pertinent experience with local soils</li> <li>✓ 3 projects completed for City</li> </ul>



# THE ARDURRA TEAM HAS 1,200 PROFESSIONAL & TECHNICAL STAFF ACROSS FLORIDA TO PROVIDE

ADDITIONAL SUPPORT AS NEEDED

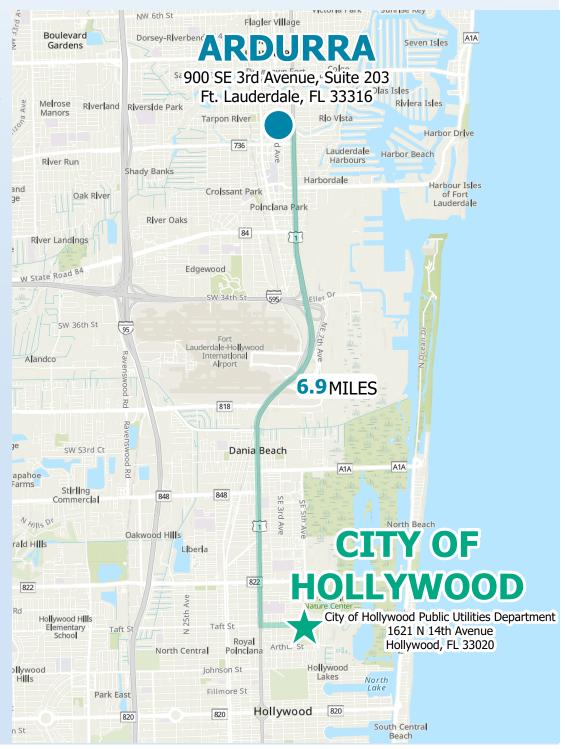
For this contract, our work will be managed out of our Fort Lauderdale office, just minutes from City offices and subject facilities. Support will be provided from our Headquarter offices in Miami.

All of Ardurra's team partners have local offices, and are within minutes of City offices and facilities.

Keith -Pompano Beach Arcadis -Plantation

PCI - Davie

Terracon - Ft Lauderdale



# Financial Resources The following narrative demonstrates Ardurra's financial strength, long-standing stability, and capacity to successfully support the City's Stormwater Program.



Ardurra has provided quality engineering services to clients for more than 47 years with annual revenues exceeding \$280 million. Our financial performance from our core markets over the last five years was the strongest it has ever been. Our steady growth can be attributed to the loyal and satisfied clients we have served throughout the region, coupled with strategic acquisitions. Ardurra has no prior or current bankruptcy proceedings.

Ardurra maintains excellent financial health and is consistently recognized by key industry benchmarks, including— Engineering News Record's Top 500 Design Firms; Zweig White's Best Firms to Work.













July 7, 2025

City of Hollywood 1621 N. 14th Ave Hollywood, FL 33020

To Whom it May Concern,

I am writing on behalf of Ardurra Group, Inc. to affirm the financial health and stability of our organization.

I confirm that Ardurra Group, Inc. has never filed for bankruptcy and has no history of bankruptcy proceedings or similar financial restructuring events at any point in its history.

If you require further details, please do not hesitate to contact me directly.

Sincerely,

Ardurra Group, Inc.

Randal Dumas

Chief Financial Officer

1000 NW 57th Ct, Ste 800 Miami, FL 33126

786.228.5666

www.ardurra.com



### LITIGATION INFORMATION

Provide a letter on your firm's letterhead indicating if your firm has paid liquidated damages and/or if your firm has been terminated for default.

Ardurra Group, Inc. has not paid liquidated damages and has not been terminated for default. Please refer to letter at the end of the Required Forms section.

Provide a list of legal proceedings against your firm in the last five years. This shall include legal proceedings for the entire company.

Ardurra Group, Inc. its affiliated entities, and their officers and directors have no prior or ongoing criminal or civil litigation, investigations, arbitration, or administrative proceedings that would affect the successful delivery of this contract or that would materially affect the consolidated financial position of the company. There have been various actions against Ardurra Group, Inc. arising out of the ordinary conduct of its business, most of which are unrelated to the performance of its professional services (such as slip-and-fall claims). The below list is in response to the City's request for construction related lawsuits filed by or against Ardurra Group, Inc. in the last 5) years:

- Bowen and Kron Enterprises Inc. and Vapor Industries, LLC vs. Ardurra Group, Inc. Docket: Nueces County, 214th District Court, Case No. 20222DCV-0498-F. Date: February 2022. Summary: Allegations by contractor for City of Corpus Cristi, TX for cost overruns. Status: Resolved without Ardurra's involvement
- City of San Diego vs. The 5125 Company, 2GS, LLC dba Earthworks Enterprise, Ardurra Group, Inc. dba LNV and fka LNV, LLC and fka LV, Inc., and Robert Viera, PE. Docket: 229th Judicial District, Duval County, TX, Cause No. DC-22-157. Date: Nov 2022. Summary: Claim alleging defects in construction of drainage improvement project. Ardurra denies any allegation of fault. Status: Settled
- Willow Bend Homeowners Association of Manatee County, Inc. a Florida non-for-profit corporation vs. CWES XV LLC, et al. Docket: Circuit Court of the 12th Judicial Circuit, Manatee County, Case No.: 2024-CA-001501. Date: Jul 2024 Summary: HOA alleges design and construction defects. Ardurra only provided environmental monitoring and none of the allegations from the HOA relate to Ardurra's scope of services. Status: Parties working on dismissal of Ardurra as unrelated to the underlying matter.
- Holiday Builders, Inc. vs. Ardurra Group, Inc., and Florida Engineering, LLC. Docket: Circuit Court of the 20th Judicial Circuit, Lee County, Case No. 24-CA-007179. Date: Jul 2024. Summary: Builder alleges damages in development of single family home due to survey provided by Ardurra. Status: Matter ongoing. Ardurra denies responsibility for damages asserted.
- City of Parma v. Ardurra Group, Inc. Docket: District Court for the Third Judicial District, State of Idaho, County of Canyon, Case No. CV14-25-03983. Date:Apr 2025. Summary: Idaho matter involving claims regarding design of a wastewater treatment plant. Status: Matter ongoing; Ardurra denies all allegations.

Arbitrations: List all construction arbitration demands filed by or against your firm in the last five years, and identify the nature of the claim, the amount in dispute, the parties, and the ultimate resolution of the proceeding.

Ardurra Group, Inc. has not been involved in construction arbitration in the last five years.

Lawsuits: List all construction related lawsuits (other than labor or personal injury litigation) filed by or against your firm in the last five years, and identify the nature of the claim, the amount in dispute, the parties, and the ultimate resolution of the lawsuit

See letter on the following page.

Other Proceedings: Identify any lawsuits, administrative proceedings, or hearings initiated by the National Labor Relations Board or similar state agency in the past five years concerning any labor practices by your firm. Identify the nature of any proceeding and its ultimate resolution. Identify any lawsuits, administrative proceedings, or hearings initiated by the Occupational Safety and Health Administration concerning the project safety practices of your company in the last five years. Identify the nature of any proceeding and its ultimate resolution.

Ardurra Group, Inc. has not been involved in any lawsuits, administration proceedings, or hearings initiated by the National Labor Relations Board or a similar state agency.

Bankruptcies: Has your firm or its parents or any subsidiaries ever had a Bankruptcy Petition filed in its name, voluntarily or involuntarily?

No.

Has a contract to which you were a party even been terminated by the other party?

No contracts have been terminated for cause.



Ardurra's office location in Fort Lauderdale—anchored by our Miami headquarters and supported by the nearby offices of our team partners, offer unmatched accessibility, responsiveness, and local knowledge to efficiently serve the City of Hollywood.



### **ACKNOWLEDGMENT AND SIGNATURE PAGE**

This form must be completed and submitted by the date and the time of bid opening.
Legal Company Name (include d/b/a if applicable): Ardurra Group, Inc.
If Corporation - Date Incorporated/Organized: 1977 Federal Tax Identification Number: 59-1782900
State Incorporated/Organized: FL
Company Operating Address: 1000 NW 57th Ct. Suite 800
City: Miami State: FL Zip Code: 33126
Remittance Address (if different from ordering address): 900 SE Avenue, Suite 203
City: Fort Lauderdale State: FL Zip Code: 33316
Company Contact Person: Christopher Kuzler, PE Email Address: ckuzler@ardurra.com
Phone Number (include area code): 813.880.8881 Fax Number (include area code): N/A
Company's Internet Web Address: <u>www.ardurra.com</u>
IT IS HEREBY CERTIFIED AND AFFIRMED THAT THE BIDDER/PROPOSER CERTIFIES ACCEPTANCE OF THE TERMS, CONDITIONS, SPECIFICATIONS, ATTACHMENTS AND ANY ADDENDA. THE BIDDER/PROPOSER SHALL ACCEPT ANY AWARDS MADE AS A RESULT OF THIS SOLICITATION. BIDDER/PROPOSER FURTHER AGREES THAT PRICES QUOTED WILL REMAIN FIXED FOR THE PERIOD OF TIME STATED IN THE SOLICITATION.  Bidder/Proposer's Authorized Representative's Signature:
Type or Print Name: Christopher Kuzler, PE
THE EVECUTION OF THIS FORM CONSTITUTES THE LINEOUN/OCAL OFFER OF DIDDER/DRODOSED TO BE

THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF BIDDER/PROPOSER TO BE BOUND BY THE TERMS OF ITS PROPOSAL. FAILURE TO SIGN THIS SOLICITATION WHERE INDICATED BY AN AUTHORIZED REPRESENTATIVE SHALL RENDER THE BID/PROPOSAL NON-RESPONSIVE. THE CITY MAY, HOWEVER, IN ITS SOLE DISCRETION, ACCEPT ANY BID/PROPOSAL THAT INCLUDES AN EXECUTED DOCUMENT WHICH UNEQUIVOCALLY BINDS THE BIDDER/PROPOSER TO THE TERMS OF ITSOFFER.

### **VENDOR REFERENCE FORM**

Solicitation #:	RFQ-320-25-JJ Stormwater Project Management				
Reference for:	Ardurra Group, Inc.				
Organization/Firm Name prov	r <b>iding</b> Miami-Dade Wate	er and Sewer De	partment		
Organization/Firm Contact		Title:			
Name:	Rolando Roque, PE		Planning & Modeling Division Chief		
Email:	roquer@miamidade.gov	Phone:	786-552-8129		
Name of Referenced Project:	Pump Station Improvement Program	n,Contract No:			
<b>Date Services were provided:</b>	Design, CM & Support Services	Project	\$26.5M Engineering		
	2014-2021	Amount:	\$215M Construction Cost		
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):

Construction Management & Inspection (CEI) Services, Program Management, Planning & Engineering, Design Management, Permitting & Procurement Support, and Construction Engineering. Purpose of the program was to upgrad the Wastewater Collection and Transmission System (WCTS) including the rehabilitation of 118 sewage pump station basins. Projects included over 153 pump stations and force mains, plus an Infiltration and Inflow (I/I) reduction program in over 50 basins.

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable		
<b>Vendor's Quality of Service</b>	e					
a. Responsive			₩/			
b. Accuracy			₩/			
c. Deliverables			M			
Vendor's Organization:			/			
a. Staff expertise			₩/			
b. Professionalism			₩/			
c. Staff turnover			M			
Timeliness/Cost Control of:						
a. Project			t√ /			
b. Deliverables			I∏			

### Additional Comments (provide additional sheet if necessary):

Through its strategic engineering and I/I initiatives, Ardurra helped MDC avoid substantial penalties and saved up to \$37M. The staff provided quality engineering services in a professional manner, within schedule and budget and at a competitive rate. We are highly pleased with their services.

7.7	****TH	IS SECT	ION FOR CIT	Y USE O	NLY****		
Verified via:	Email:		Verbal:		Mail:		
Vanidiad lass	Name:	1,			Title:	-	
Verified by:	Department:				Date:		- 1

### **VENDOR REFERENCE FORM**

City of Hollywood Solicitation #:	RFQ-320-25-JJ Stormwater Project Management					
Reference for:	Ardurra Group, Inc.					
Organization/Firm Name prov	<b>riding</b> City of Coral Gab	les				
Organization/Firm Contact		Title:				
Name:	Jose Olivo, PE		Deputy Public Works Director			
Email:	jolivo@coralgables.com	Phone:	305-460-5000			
Name of Referenced Project:	Civil & Environmental Engineering	<b>Contract No:</b>	Contracts RFQ 2015-0904 & 20190			
<b>Date Services were provided:</b>	Services, Multiple Projects	Project				
-	2016-ongoing	Amount:	\$5.5M			
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 somices provide	ad by Vandon (nuovida addi	tional choot if				

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

Ardurra has been the City's engineering consultant for a large number of projects including drainage, sewer, SSES, I/I, pump stations, roadway, GIS, NPDES, parking lots, canal maintenance, traffic calming, SCADA, Construction Engineering and Inspections (CEI) septic-to-sewer conversion master plan.

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable		
Vendor's Quality of Servi	ce		/			
a. Responsive			₩/			
b. Accuracy			₩/			
c. Deliverables			M			
Vendor's Organization:	•		/			
a. Staff expertise			₩/			
b. Professionalism			₩/			
c. Staff turnover			M			
Timeliness/Cost Control of:						
a. Project			t√ /			
b. Deliverables			IV.			

### Additional Comments (provide additional sheet if necessary):

Ardurra's staff has proven to be technically qualified to perform engineering services for the City. We consider the company proficient in water, wastewater, stormwater and GIS. In addition, their honesty, attentiveness and responsiveness are among the best engineering firms

in South Florida. Without any reservation, we recommend the firm to any client.

	****TH	IS SECT	TION FOR CIT	Y USE O	NLY****	
Verified via:	Email:		Verbal:		Mail:	
Varified by	Name:				Title:	
Verified by:	Department:				Date:	- 1

### **VENDOR REFERENCE FORM**

City of Hollywood Solicitation #:	RFQ-320-25-JJ Stormwater Project Management					
Reference for:	Ardurra Group, Inc.					
Organization/Firm Name prov	iding Seminole Tribe of	Florida				
Organization/Firm Contact		Title:				
Name:	Emran Rahaman		Public Works Director			
Email:	emranrahaman@semtribe.com	Phone:	954-347-9163			
Name of Referenced Project:	Brighton Reservation CR-721 Im-	<b>Contract No:</b>	RFQ-139-2023 / Project STOF.04.93			
Date Services were provided:	provements Design Build Engineering - 1/2024-1/2025 Construction - 6/2024-1/2025	Project Amount:	\$4M - Engineering \$40M Construction Cost			
Referenced Vendor's role in Project:	Prime Vendor		Subcontractor/			
Would you use the Vendor again?	Yes		No. Please specify in additional comments			

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

Provided SCADA services, telemetry improvements & master planning, Engineer of Record and Lead Designer for roadway improvements, lead and copper rule compliance assistance, drainage, public outreach, design of forcemain, water mains, water/wastewater lift stations, infrastructure hardening, inspections, CEI and GIS, among many others.

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable		
Vendor's Quality of Servi	ce		/			
a. Responsive			₩/			
b. Accuracy			₩/			
c. Deliverables			M			
Vendor's Organization:	•		/			
a. Staff expertise			₩/			
b. Professionalism			₩/			
c. Staff turnover			M			
Timeliness/Cost Control of:						
a. Project			t√ /			
b. Deliverables			IV.			

### Additional Comments (provide additional sheet if necessary):

Ardurra provided outstanding engineering services for this progressive design build project with an expedited schedule (design, permitting and construction) in 12 months. Their staff met and exceeded our expectations and we would recommend them.

	****TH	IS SECT	TION FOR CIT	Y USE O	NLY****	
Verified via:	Email:		Verbal:		Mail:	
Varified by	Name:				Title:	
Verified by:	Department:				Date:	- 1

### **VENDOR REFERENCE FORM**

City of Hollywood Solicitation #:	RFQ-320-25-JJ Stormwater Project Management					
Reference for:	Ardurra Group, Inc.					
Organization/Firm Name prov	r <b>iding</b> City of Fort Lauder	dale				
Organization/Firm Contact	•	Title:				
Name:	Brandy Leighton, PE		Division Manager			
Email:	bleighton@fortlauderdale.gov	Phone:	954-828-5326			
Name of Referenced Project:	City Wide 1&I Reduction Program	<b>Contract No:</b>	Event No. 147			
<b>Date Services were provided:</b>	,	Project				
	3/2024 - Ongoing	Amount:	\$21.5M			
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):

Program Management and Construction Management for the City's Infiltration and Inflow Reduction Program which encompasses the SSES, smoke testing, night flow studies, of over 186 basins and pump stations. In addition, assisted the City during procurement and performed CEI services to manage repairs on the sewer system.

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Servi	ce		/	
a. Responsive			₩/	
b. Accuracy			₩/	
c. Deliverables			M	
Vendor's Organization:	•		/	
a. Staff expertise			₩/	
b. Professionalism			₩/	
c. Staff turnover			M	
Timeliness/Cost Control o	of:		1	
a. Project			t√ /	
b. Deliverables			IV.	

### Additional Comments (provide additional sheet if necessary):

Ardurra's staff is technically qualified to perform engineering, program management, and construction management services for the City. The firm has demonstrated proficiency and responsiveness in supporting the City's infiltration and inflow reduction efforts. We are satisfied with the quality of their services and would recommend them for similar work.

	****TH	IS SECT	TION FOR CIT	Y USE O	NLY****	
Verified via:	Email:		Verbal:		Mail:	
Varified by	Name:				Title:	
Verified by:	Department:				Date:	- 1

### **VENDOR REFERENCE FORM**

City of Hollywood Solicitation #:	RFQ-320-25-JJ Stormwater Proje	ct Managem	nent
Reference for:	Ardurra Group, Inc.		
Organization/Firm Name prov	riding South Florida Water N	Nanagement	District
Organization/Firm Contact Name:	Hongying Zhao, PhD, PE	Title:	Principal Engineer; Program Manager for FPLOS Program
Email:	hzhao@sfwmd.gov		561-682-6860
Name of Referenced Project: Date Services were provided:	Engineering Services for Gravity Control Co Structures Canal-Levee Refurbishment & Lov Hazard Impoundment Projects Current WO - 6/1/25-ongoing	ontract No:     Project     Amount:	ψον 1,030.00 content <b>νν</b> Ο
Referenced Vendor's role in Project: Would you use the Vendor again?	Previous WO - 5/1/19-5/31/25  Prime Vendor  Yes		Subcontractor/ Subconsultant No. Please specify in additional comments

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

Ardurra provides staff augmentation for the SFWMD Flood Protection Level of Service Program. Principal, Level 5 and Level 4 Engineers/Modelers provide services to manage projects/contracts, participate as a member of the FPLOS technical team to analyze and interpret study results and to develop and recommend solutions to address FPLOS issues, coordinating with partners or stakeholders as required by a project, and to perform technical work and provide technical and management support as required by various FPLOS projects.

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Servi	ce		/	
a. Responsive			₩/	
b. Accuracy			₩/	
c. Deliverables			M	
Vendor's Organization:	•		/	
a. Staff expertise			₩/	
b. Professionalism			₩/	
c. Staff turnover			M	
Timeliness/Cost Control o	of:		1	
a. Project			t√ /	
b. Deliverables			IV.	

Additional Comments (provide additional sheet if necessary):
Ardurra is a reliable firm that has successfully completed several projects for the District throughout the years. Their
staff is professional, and highly capable and we recommend their services.

	****TH	IS SECT	TION FOR CIT	Y USE O	NLY****	
Verified via:	Email:		Verbal:		Mail:	
Varified by	Name:				Title:	
Verified by:	Department:				Date:	- 1



(Company Name and Authorized Signature, Print Name)

Ardurra Group, Inc.

Name of Company

### FORM 5

### **HOLD HARMLESS AND INDEMNITY CLAUSE**

	•
appointed officials, employees and agents for a proceedings, claims, damage, liabilities, interest prior to the start of activities or following the compindirectly caused, occasioned or contributed to omission, fault or negligence whether active or page	Id harmless the City of Hollywood, its elected and any and all suits, actions, legal or administrative, attorney's fees, costs of any kind whether arising pletion or acceptance and in any manner directly or in whole or in part by reason of any act, error or assive by the contractor, or anyone acting under its with or incident to its performance of the contract.
Outglit Hugher	Christopher Kuzler, PE
Signature	Printed Name
Ardurra Group, Inc.	Managing Principal, Director

Title



### NON-COLLUSION AFFIDAVIT

STATE (	OF: Florida	
COUNT	OF: Hillsborough, bei	ng first duly sworn, deposes and says that:
(1)	He/she is Christopher Kuzler, PE Proposer that has submitted the attached	of Ardurra Group, Inc., the Proposal.
(2)	He/she has been fully informed regarding Proposal and of all pertinent circumstance	ng the preparation and contents of the attached s regarding such Proposal;
(3)	Such Proposal is genuine and is not a coll	usion or sham Proposal;
(4)	employees or parties in interest, including connived or agreed, directly or indirectly we collusive or sham Proposal in connection whas been submitted or to refrain from bidd manner, directly or indirectly, sought be conference with any other Proposer, firm element of the Proposal price or the Proposal	officers, partners, owners, agents, representatives, of this affiant has in any way colluded, conspired, with any other Proposer, firm or person to submit a with the contractor for which the attached Proposal ling in connection with such contract, or has in any y agreement or collusion or communication or or person to fix the price or prices, profit or cost losal price of any other Proposer, or to secure an or any person interested in the proposed Contract;
(5)	any collusion, conspiracy, connivance or	Proposal are fair and proper and are not tainted by unlawful agreement on the part of the Proposer or s, employees, or parties in interest, including this
C	Interfer F. Alyler	Christopher Kuzler, PE
Signatu	ire	Printed Name
Ardur	ra Group, Inc	Managing Principal, Director
Name o	of Company	Title



## SWORN STATEMENT PURSUANT TO SECTION 287.133 (3) (a) FLORIDA STATUTES ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS

Hollyw<u>ood</u> 1. This form statement is submitted to the Citv by Christopher Kuzler, PE, Managing Principal for Ardurra Group, Inc. (Print individual's name and title) (Print name of entity submitting sworn statement) whose business address is 900 SE 3rd Avenue, Suite 203, Fort Lauderdale FL 33316 and if applicable its Federal Employer Identification Number (FEIN) is \_\_\_59-1782900. If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement.

\_\_\_\_\_

- 2. I understand that "public entity crime," as defined in paragraph 287.133(1)(g), Florida Statues, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misinterpretation.
- 3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in an federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
- 4. I understand that "Affiliate," as defined in paragraph 287.133(1)(a), Florida Statutes, means:
  - 1. A predecessor or successor of a person convicted of a public entity crime, or
  - 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.



United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

an entity.	ees, members, and agents who are active in management of
<ol><li>Based on information and be the entity submitting this sworn</li></ol>	elief, the statement which I have marked below is true in relation to statement. (Please indicate which statement applies.)
executives, partners, sharehold	nitting sworn statement, nor any of its officers, director, ders, employees, members, or agents who are active in the any affiliate of the entity has been charged with and ne subsequent to July 1, 1989.
executives, partners, sharehold management of the entity, or as	is sworn statement, or one or more of its officers, directors, ders, employees, members, or agents who are active in the n affiliate of the entity, or an affiliate of the entity has been a public entity crime subsequent to July 1, 1989.
executives, partners, sharehold management of the entity, or an of a public entity crime, but the	this sworn statement, or one or more of its officers, directors, ders, employees, members, or agents who are active in the n affiliate of the entity has been charged with and convicted Final Order entered by the Hearing Officer in a subsequent of the State of the State of Florida,
Division of Administrative Hear the entity submitting this sworn Final Order).	ings, determined that it was not in the public interest to place statement on the convicted vendor list. (attach a copy of the
FOR THE PUBLIC ENTITY IDEN' ENTITY ONLY AND THAT THIS F YEAR IN WHICH IT IS FILED. I A PUBLIC ENTITY PRIOR TO ENT AMOUNT PROVIDED IN SECTIO	BMISSION OF THIS FORM TO THE CONTRACTING OFFICER TIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THAT FERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD ON 287.017 FLORIDA STATUTES FOR A CATEGORY TWO OF ATION CONTAINED IN THIS FORM.
*	(Signature)
worn to and subscribed before m	ne this
ersonally known	
r produced identification	Notary Public-State of Florida
	my commission expires 9m/zc
Type of identification)	PAULA R. ELDON Commission # HH 265549 Expires September 17, 2026



# CERTIFICATIONS REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS

The applicant certifies that it and its principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three-year period preceding this application been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction, violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- (d) Have not within a three-year period preceding this application had one or more public transactions (Federal, State, or local) terminated for cause or default.

Applicant Name and Address:	
Ardurra Group, Inc.	
900 SE 3rd Avenue, Suite 203	
Fort Lauderdale FL 33316	
Application Number and/or Project Name:	
City of Hollywood Stormwater Program Managemen	t, RFQ-320-25-JJ
Applicant IRS/Vendor Number: 59-1782900	
Outstat F. Augler	Christopher Kuzler, PE
Signature	Printed Name
Ardurra Group, Inc.	Managing Principal, Director
Name of Company	Title



### DRUG-FREE WORKPLACE PROGRAM

IDENTICAL TIE PROPOSALS - Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids which are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie proposals will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

- 1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
- Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
- 3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
- 4. In the statement specified in subsection (1), notify the employee that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
- Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program (if such is available in the employee's community) by, any employee who is so convicted.
- Make a good faith effort to continue to maintain a drug-free workplace through implementation of these requirements.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

Christopher Kuzler, PE

Signature

Printed Name

Ardurra Group, Inc.

Managing Principal, Director

Name of Company Title



### SOLICITATION, GIVING, AND ACCEPTANCE OF GIFTS POLICY

Florida Statute 112.313 prohibits the solicitation or acceptance of Gifts. "No Public officer, employee of an agency, local government attorney, or candidate for nomination or election shall solicit or accept anything of value to the recipient, including a gift, loan, reward, promise of future employment, favor, or service, based upon any understanding that the vote, official action, or judgment of the public officer, employee, local government attorney, or candidate would be influenced thereby." The term "public officer" includes "any person elected or appointed to hold office in any agency, including any person serving on an advisory body."

The City of Hollywood/Hollywood CRA policy prohibits all public officers, elected or appointed, all employees, and their families from accepting any gifts of any value, either directly or indirectly, from any contractor, vendor, consultant, or business with whom the City/CRA does business.

The State of Florida definition of "gifts" includes the following:

Real property or its use,

Tangible or intangible personal property, or its use,

A preferential rate or terms on a debt, loan, goods, or services,

Forgiveness of indebtedness,

Transportation, lodging, or parking,

Food or beverage,

Membership dues,

Entrance fees, admission fees, or tickets to events, performances, or facilities,

Plants, flowers or floral arrangements

Services provided by persons pursuant to a professional license or certificate.

Other personal services for which a fee is normally charged by the person providing the services.

Any other similar service or thing having an attributable value not already provided for in this section.

Any contractor, vendor, consultant, or business found to have given a gift to a public officer or employee, or his/her family, will be subject to dismissal or revocation of contract.

As the person authorized to sign the statement, I certify that this firm will comply fully with this policy.

Oustant Augler	Christopher Kuzler, PE					
Signature	Printed Name					
Ardurra Group, Inc.	Managing Principal, Director					
Name of Company	Title					



Form W-9 (Rev. March 2024) Department of the Treasury

### **Request for Taxpayer Identification Number and Certification**

Go to www.irs.gov/FormW9 for instructions and the latest information.

Give form to the requester. Do not send to the IRS.

Befor	e you begin. For guidance related to the purpose of Form W-9, see F	Purpose of Form, below.												
	1 Name of entity/individual. An entry is required. (For a sole proprietor or disentity's name on line 2.)	regarded entity, enter the o	wner's na	ame on	line 1,	, and	enter	the b	usine	ss/di	srega	rded		
	Ardurra Group, Inc.													
	2 Business name/disregarded entity name, if different from above.													
on page 3.	3a Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only one of the following seven boxes.  Individual/sole proprietor C corporation S corporation Partnership Trust/estate							4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):						
Print or type. See <b>Specific Instructions</b> on page	LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership)  Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner.  Other (see instructions)								Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any)					
P <sub>1</sub> Specific	3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC and you are providing this form to a partnership, trust, or estate in which this box if you have any foreign partners, owners, or beneficiaries. See instances the state of th	h you have an ownership i							counts Unite			ed		
See	5 Address (number, street, and apt. or suite no.). See instructions.		Reques	ter's na	me an	d add	dress	(optic	onal)					
	1000 N.W. 57th Court, Suite 800													
	6 City, state, and ZIP code													
	Miami, Florida 33126  7 List account number(s) here (optional)													
	List account number(s) here (optional)													
D	Tana and I dentification Normalism (TINI)													
Par				Coole	Loon	with r	umb	OF						
	your TIN in the appropriate box. The TIN provided must match the na	•		Socia	l secu	irity r □	lumb	er	_	_	_	1		
	p withholding. For individuals, this is generally your social security nunt alien, sole proprietor, or disregarded entity, see the instructions for	, ,	or a			-			-					
	s, it is your employer identification number (EIN). If you do not have a		t a						L					
TIN, la		,		or		.1 4:4	c: a:					7		
Note:	If the account is in more than one name, see the instructions for line	1 See also What Name	and	Employer identification number							┥			
	er To Give the Requester for guidelines on whose number to enter.	1. Gee also what Name (	and	5	9 -	1	7	8	2 9	) (	0			
Par	Certification													
Under	penalties of perjury, I certify that:													
2. I an Ser no	number shown on this form is my correct taxpayer identification nunnent not subject to backup withholding because (a) I am exempt from bavice (IRS) that I am subject to backup withholding as a result of a failuonger subject to backup withholding; and	ckup withholding, or (b)	I have n	ot bee	n not	ified	by th	he Int	ernal					
	a U.S. citizen or other U.S. person (defined below); and													
4. The	FATCA code(s) entered on this form (if any) indicating that I am exen	npt from FATCA reportin	g is cor	ect.										
becau acquis	cation instructions. You must cross out item 2 above if you have been se you have failed to report all interest and dividends on your tax return. ition or abandonment of secured property, cancellation of debt, contribution in the certification that interest and dividends, you are not required to sign the certification	For real estate transaction to an individual reti	ns, item rement a	2 doe arrang	s not ement	apply	y. Fo ), an	r mor d, ge	tgage nerall	inte y, pa	erest   aymei	nts		
Sign Here		D	ate	01/07	1202	5								
Gei	neral Instructions	New line 3b has b												
	n references are to the Internal Revenue Code unless otherwise	required to complete foreign partners, own to another flow-throu	ners, or	benef	ciarie	s wh	en it	prov	ides '	the	orm	W-9		
Futur	e developments. For the latest information about developments	change is intended t regarding the status	o provic	e a flo	w-thr	ough	n ent	ity wi	ith inf	orm				

after they were published, go to www.irs.gov/FormW9.

### What's New

Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.

beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

### Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they

Cat. No. 10231X Form **W-9** (Rev. 3-2024)





**ARDURRA-01** 

**KSUTTON** 

DATE (MM/DD/YYYY)

12/30/2024

### CERTIFICATE OF LIABILITY INSURANCE

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

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

this certificate does not come rights to the certificate holder in hea or	Such chackschicht(3).	
PRODUCER	CONTACT NAME:	
Ames & Gough 8300 Greensboro Drive	PHONE (A/C, No, Ext): (703) 827-2277 FAX (A/C, No): (703)	827-2279
Suite 980	E-MAIL ADDRESS: admin@amesgough.com	
McLean, VA 22102	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Charter Oak Fire Insurance Company A++ (XV)	25615
INSURED	INSURER B : Phoenix Insurance Company A++, XV	25623
Ardurra Group, Inc.	INSURER C: Travelers Property Casualty Company of America, A++, XV	25674
1000 N.W. 57th Court, Suite 800	INSURER D : National Fire & Marine Insurance Company A++ X	20079
Miami, FL 33126	INSURER E :	
	INCUDED E	

**COVERAGES CERTIFICATE NUMBER:** REVISION NUMBER:

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

	XCLUSIONS AND CONDITIONS OF SUCH F							
INSR LTR	TYPE OF INSURANCE	ADDL SU	JBR POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	S	
Α	X COMMERCIAL GENERAL LIABILITY			, , , , , , , , , , , , , , , , , , ,	,, <u> </u>	EACH OCCURRENCE	\$	1,000,000
	CLAIMS-MADE X OCCUR		630-5X487435	1/1/2025	1/1/2026	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$	1,000,000
	χ Contractual Liab.					MED EXP (Any one person)	\$	15,000
						PERSONAL & ADV INJURY	\$	1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:					GENERAL AGGREGATE	\$	2,000,000
	X POLICY X PRO-					PRODUCTS - COMP/OP AGG	\$	2,000,000
	OTHER:						\$	
В	AUTOMOBILE LIABILITY					COMBINED SINGLE LIMIT (Ea accident)	\$	1,000,000
	X ANY AUTO		810-5X558309	1/1/2025	1/1/2026	BODILY INJURY (Per person)	\$	
	OWNED SCHEDULED AUTOS AUTOS					BODILY INJURY (Per accident)	\$	
	HIRED AUTOS ONLY NON-OWNED AUTOS ONLY					PROPERTY DAMAGE (Per accident)	\$	
							\$	
С	X UMBRELLA LIAB X OCCUR					EACH OCCURRENCE	\$	15,000,000
	EXCESS LIAB CLAIMS-MADE		CUP-5X642114	1/1/2025	1/1/2026	AGGREGATE	\$	15,000,000
	DED X RETENTION \$ 10,000						\$	
С	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY					X PER OTH-		
	ANY PROPRIETOR/PARTNER/EXECUTIVE 7/N	N/A	UB-5X489557	1/1/2025	1/1/2026	E.L. EACH ACCIDENT	\$	1,000,000
	(Mandatory in NH)	W/ A				E.L. DISEASE - EA EMPLOYEE	\$	1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below					E.L. DISEASE - POLICY LIMIT	\$	1,000,000
D	Professional Liab.		42-EPP-306878-07	1/1/2025	1/1/2026	Per Claim/Aggregate		10,000,000
								ļ
					1	I.		

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
National Fire & Marine Insurance Company is the writing company for Berkshire Hathaway Specialty Insurance Company. Berkshire Hathaway Specialty Insurance Company has an AM Best Rating of A++ in the Financial Size category of XV. The AMB# is 000864, and the NAIC# is 22276.

Pollution Liability coverage is provided and included within the Professional Liability policy noted above. It shares the limits of the Professional Liability policy.

CERTIFICATE HOLDER	CANCELLATION
EVIDENCE OF COVERAGE	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE  HOWENERS AND AUTHORIZED REPRESENTATIVE

ACORD 25 (2016/03)

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Department of State / Division of Corporations / Search Records / Search by Entity Name /

### **Detail by Entity Name**

Florida Profit Corporation ARDURRA GROUP, INC.

**Filing Information** 

 Document Number
 555540

 FEI/EIN Number
 59-1782900

 Date Filed
 12/19/1977

State FL

Status ACTIVE

Last Event AMENDMENT
Event Date Filed 02/06/2019
Event Effective Date NONE

**Principal Address** 

1000 N.W. 57th Court, Suite 800

Miami, FL 33126

Changed: 05/02/2024

Mailing Address

1000 N.W. 57th Court, Ste 800

Miami, FL 33126

Changed: 05/03/2024

Registered Agent Name & Address

REGISTERED AGENTS INC

7901 4TH STREET NORTH, SUITE 300

ST. PETERSBURG, FL 33702

Name Changed: 01/24/2025

Address Changed: 01/24/2025

Officer/Director Detail

Name & Address

Title CFO, Treasurer



Dumas, Randal 1000 N.W. 57th Court, Suite 800 Miami, FL 33126

Title VP

Penna, Lisa 1000 N.W. 57th Court, Suite 800 Miami, FL 33126

Title Director, President, CEO

Aguilar, ERNESTO 1000 N.W. 57th Court, Suite 800 Miami, FL 33126

Title VP

Jackson, Paul Richard 1000 N.W. 57th Court, Suite 800 Miami, FL 33126

Title Authorized Representative

Vaith, Kartik 1000 N.W. 57th Court, Suite 800 Miami, FL 33126

Title Assistant Vice President

Smith, Alexandra 1000 N.W. 57th Court, Suite 800 Miami, FL 33126

Title VP

Kasner, Carmen 1000 N.W. 57th Court, Suite 800 Miami, FL 33126

Title Authorized Representative

Kuzler, Christopher 1000 N.W. 57th Court, Suite 800 Miami, FL 33126

Title VP

Smith, Kenneth Scott 1000 N.W. 57th Court, Suite 800 Miami, FL 33126



### Title VP

Fulghum, Jr., William C. 1000 N.W. 57th Court, Suite 800 Miami, FL 33126

Title VP

Sommerfeldt, Steven 1000 N.W. 57th Court, Suite 800 Miami, FL 33126

Title Secretary

Walters, Brent 1000 N.W. 57th Court, Suite 800 Miami, FL 33126

Title Authorized Representative

Cahill, Catherine 1000 N.W. 57th Court, Suite 800 Miami, FL 33126

Title Authorized Representative

Maristany, Agustin 1000 N.W. 57th Court, Suite 800 Miami, FL 33126

Title Authorized Representative

Marsden, Jennifer 1000 N.W. 57th Court, Suite 800 Miami, FL 33126

### **Annual Reports**

Report Year	Filed Date
2025	01/13/2025
2025	01/17/2025
2025	03/17/2025

### **Document Images**

03/17/2025 -- AMENDED ANNUAL REPORT

01/24/2025 -- Reg. Agent Change

01/17/2025 -- AMENDED ANNUAL REPORT

01/13/2025 -- ANNUAL REPORT

12/12/2024 -- AMENDED ANNUAL REPORT

09/26/2024 -- AMENDED ANNUAL REPORT

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JUNE 26, 2025

SUBJECT: RFQ-320-25-JJ, City of Hollywood Stormwater Program Management

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