

new power feed to the site and additional standby power facilities, and electrical and instrumentation improvements.

Donax Water Reclamation Facility Expansion & Improvements, City of Sanibel, FL. Structural Engineer. Evaluation of alternatives to assist with nutrient removal (nitrogen and phosphorous) as well as to address the need for replacement of the existing flow equalization basin and ultimately the expansion of the facility from 2.375 to 3.0 MGD. The evaluation included the use of the modified Ludzack-Ettinger (MLE) process, denitrification filters and the change to a five-stage Bardenpho process with use of membrane bioreactors (MBR). The five-stage process with MBR was selected for design and implementation.

Cypress West Water Reclamation Facility Upgrade and Expansion, Toho Water Authority, City of Kissimmee, FL. Lead Structural. Led the structural design for the expansion/upgrade of a 3.0 MGD SBR facility to provide a capacity of 6.0 MGD via implementation of the MLE process with conventional settling, filtration, and disinfection unit operations. Phase IA included modifications of preliminary treatment, biological nutrient removal, and settling structures for a capacity of 6.0 MGD on an AADF basis; with Phase IB improvements included new disc filtration, chlorine contact basin, sodium hypochlorite chemical feed system, two 7.5 MG prestressed concrete reclaimed water storage tanks, and reclaimed water pump station, including two 100 hp vertical turbine pumps and four 200 hp vertical turbine pumps in cans. WRF improvements meet Class I Reliability Criteria pursuant to FAC Chapter 62-610, and standby power systems were provided. Project delivered via CMAR.

Lake Monroe Intake Structure and Pump Station, City of Deltona, FL. Structural Engineer-of-Record. City is participating in ongoing efforts to pursue additional water sources and alternative irrigation water supplies as water becomes a growing concern. Design of concrete structures needed to withdraw and pump up to 12.0 MGD surface water from Lake Monroe to the Alexander Avenue WMS using a 24-inch raw water main. Intake structure and pump station are located on the north shore of Lake Monroe.

Water Reclamation Facility Expansion, City of Apopka, FL. Structural Engineer-of-Record. Assumed responsibility for updating and finalizing a previous design. New process structures added 4.5 MGD of plant capacity and included electrical buildings, an operations building with hurricane shelter, headworks, flow equalization, oxidation ditch, clarifiers, filters, chlorine contact, sludge thickening, sludge dewatering, drying beds, and ground storage tanks.

Southwest 6&7 Utility Extension Project, City of Cape Coral, FL. Structural Engineer. Performed structural engineering calculations and design for proposed DIP pipe crossing over canals for multiple locations. Expansion of the City's water, wastewater and irrigation systems to a 4 square mile area south of Pine Island Road. The project included value engineering, hydraulic modeling for water, wastewater and irrigation systems, design, permitting, bidding, construction management and CEI with 9 full time construction oversight field personnel. The project includes over 200 miles of potable water, wastewater collection, wastewater transmission and irrigation utility piping; 18 lift stations and a stormwater canal pumping station to supplement reclaimed water during high demand periods. The Tetra Tech team was able to complete the hydraulic modeling, design, permitting, bidding and construction management ahead of schedule for all phases of the project, as well as under budget. In fact, from a budget standpoint, not only were all contract areas under the Engineer's Opinion of Probable Cost, but due to a well design project with accurate bid quantities, coupled with value added changes during construction, the overall construction cost was reduced by over \$4M from the original bid costs. As part of the funding, Tetra Tech assisted with the SRF process, including incorporation of SRF supplemental conditions into the bid documents and compliance documents during implementation (wage rates, interviews, etc.). Tetra Tech also assisted with assessment development with the City's UEP and Finance Departments, including property evaluations for classifications and quantity/costs verifications.

Lake Monroe Intake Structure and Pump Station, City of Deltona, FL. Structural Engineer-of-Record. City is participating in ongoing efforts to pursue additional water sources and alternative irrigation water supplies as water becomes a growing concern. Design of concrete structures needed to withdraw and pump up to 12.0 MGD surface water from Lake Monroe to the Alexander Avenue WMS using a 24-inch raw water main. Intake structure and pump station are located on the north shore of Lake Monroe.

Influent Channel Rehabilitation, Reedy Creek WWTP, Lake Buena Vista, FL. Structural Engineer-of-Record. Design of concrete repairs and bypass channels on the preliminary treatment structure. Coatings and concrete substrate deterioration had occurred from exposure to raw wastewater gases. Structural work included analyzing new wall penetrations for 48-inch diameter pipes and adding new concrete stair access.

STEPHEN SEELEY, PSM

Mr. Seeley has over 40 years of experience in the field of Land Surveying, including boundary and topographic surveying, subdivision construction layout, survey project management, field and office team management and special survey projects coordination for FDOT and SFWMD contracts. He has acquired most of his experience in Broward County and has over 20 years experience in the Hollywood area. Having a command of current technologies, he is well qualified in the use of survey-grade GPS and Digital Data Collection.

Name of Firm:

Gibbs Land Surveyors

Title:

Survey

Education:

University of Miami
Coral Gables, FL,
B.A

Registrations/ Certifications:

Professional Surveyor and
Mapper No. LS4574
State of Florida

Office:

Hollywood, FL

Percentage of Time to be Assigned Full-Time to this Project:

25%

Years of Experience:

40

City of Hollywood. – Project Surveyor for various municipal and special projects – providing to the City and design/civil engineers survey data, (topographic and as-built formats) for water and sewer infrastructure and treatment plants. Providing to the City, as needed, Specific Purpose Surveys in various forms: As-built and Topographic Surveys of streets and alleys for utility and drainage improvements. (Currently providing horizontal and vertical as-built survey data for the Hollywood Beach Beautification Project.) Specific Purpose Surveys for beach improvements, meeting the requirements of Florida Department of Environmental Protection, prepared as Coastal Construction Line Surveys or Mean High Water Line surveys, utilizing topographic and hydrographic survey disciplines.

Trimble Navigation Ltd. – Trained at Trimble, Sunnyvale California in the use of survey-grade, GPS, Carrier Phase Dual-Frequency Static, Real-Time Kinematic and Code Phase mapping technology.

Everglades National Park. – “Hole-In-The-Donut” invasive species eradication project for the National Park Service. Precise Leveling and Real-Time Kinematic(RTK) GPS was used in the mapping of invasive plants, the topographic survey of the surface after removal and scrape-down, and the mapping of indigenous plant species.

City of Miami Beach. – “Beachwalk” on South Beach – Location of dunes and vegetation using RTK GPS for the mapping and construction of boardwalk extensions and crossings.

South Florida Water Management District. – Specific Purpose Survey for litigation support, including Expert Witness Testimony, Boundary Surveys of District-owned Parcels, Topographic and As-built Surveys of Water Control Structures.

Coral Ridge Properties. – Boundary and Topographic Surveys for original subdivision layout, construction layout for roads and utilities. These subdivisions comprise all lands west of University drive, north of the C-14 canal and south of Royal Palm Drive in the City of Coral Springs. Lands in the City of Coral Springs north of Wiles Road from Riverside Drive West to the Sawgrass Expressway – Topographic Survey of 3000 acres for subdivision design.

Broward County Expressway Authority. - Control and Right-of-Way Surveying for construction of the Sawgrass Expressway. Post-Construction hydrographic and cross-sections of perimeter canals for litigation forensic study.

Florida Department of Transportation. – Harrison Tract- Mitigation Banking – Topographic, As-built and Precise Leveling for a 200 acre crocodile habitat. Construction Monitoring and restoration mapping utilizing RTK GPS. Included in this project was topographic survey and lake soundings (hydrographic surveying) for fill quantity and forensic study.

CHRIS ZAVATSKY, PE

Mr. Zavatsky has 15 years of experience in construction management. He performs QC reviews, construction engineering inspections, and fieldwork activities for verification of construction installation prior to project certification. He has also taken the lead on engineering design, permitting, contract administration and project closeout for roadway and site civil engineering projects in residential, commercial and industrial projects in Broward, Hendry, Hillsborough, Miami-Dade, Palm Beach and St. Lucie Counties.

Name of Firm:

Tetra Tech, Inc.

Title:

Construction Management

Education:

BS, Civil Engineering,
University of Miami

BS, Architectural
Engineering,
University of Miami

**Registrations/
Certifications:**

Professional Engineer,
Florida, No. 76885

Professional Affiliations:

American Society of Civil
Engineers, No. 441937

Office:

Miami, FL

**Percentage of Time to be
Assigned Full-Time to this
Project:**

75%

Years of Experience:

17

Years with Tetra Tech:

9

Royal Poinciana Lift Station, City of Hollywood, FL. Construction Manager.

Design for a new lift station. Coordinated design and checked reviews on construction submittals. Project funded by State Revolving Funds. Coordinated efforts for compliance with Davis-Bacon Act and American Iron and Steel requirements.

Water Main Replacement Program, Pembroke to Hollywood Boulevard, City of Hollywood, FL. Construction Manager.

Supported coordination and review of survey and geotechnical reports. Assisted city in designing and permitting replacement for aged water main infrastructure in Lawn Acres and Washington Park. Work included water main confirmations and coordination, surveying, utilities verification, subsurface utility evaluations, geotechnical, final design, permitting, bidding assistance, and construction services. City identified area from Pembroke Road to Hollywood Boulevard between N. 52 and 56 Avenues and SR 441 for design under General Engineering Consulting Services contract. Water main improvements consisted of 70,000 feet of 2-, 4-, 6-, 8-, 12-, and 16-inch diameter water mains along local City streets and easements. Improvements involve upgrading 2- and 6-inch diameter water mains one nominal size and replacing 4-, 8-, 12-, and 16-inch diameter water mains with same nominal size. Replaced utilities with new PVC water mains, isolation valves, fire hydrants, and water services. Water meter and boxes remain within easements or street rights-of-ways. Restored easements to preconstruction condition. Design did not cross rights-of-way at Hollywood Boulevard or SR 441. Replaced water mains along Pembroke Road and on southern side of Hollywood Boulevard. Connected new water mains to water mains on east side of SR 441. City owns and operates various water, wastewater and stormwater utility infrastructure within project right-of-way. Other utilities that share right-of-way include power, telephone, cable, gas utilities, and others.

Pump Station A-7 Upgrade and Condition Assessment for Rehabilitation, City of Fort Lauderdale, FL. Construction Manager.

Reviewed shop drawing submittals during construction phase for a major pump station that collects and pumps wastewater from gravity sewer systems into a force main. Performed a wastewater flow analysis due to increased land use densities for Downtown Fort Lauderdale's largest wastewater pump station. Completed an evaluation of triplex pump station and upstream influent manholes for rehabilitation or replacement for one of city's largest pump stations. Prepared a preliminary design memorandum including findings and recommendations for rehabilitation and replacement and associated costs, and survey, design, permitting, and construction administration for rehabilitation and removal and replacement of infrastructure in disrepair. Pump station has a 16-inch force main, of which a portion replaced. Assisted with design, permitting, and construction administration.

Large-Diameter Piping

JEREMY JARDELL, PE

Mr. Jardell's experience ranges from the planning and design of water and wastewater transmission systems, pump stations, plant decommissioning, construction phase services, design and permitting of stormwater conveyance and treatment facilities, preparation of drainage studies, pond siting reports, regulatory permitting, facility inspection, hydrologic and hydraulic modeling.

Name of Firm:

Tetra Tech, Inc.

Title:

Large-Diameter Piping

Education:

BS, Civil Engineering,
University of Louisiana at
Lafayette

**Registrations/
Certifications:**

Professional Engineer,
Florida, No. 77581

Office:

Orlando, FL

**Percentage of Time to be
Assigned Full-Time to this
Project:**

30%

Years of Experience:

20

Years with Tetra Tech:

1

Pump Station Rehabilitation Package 42, Orange County Utilities, FL.

Project Manager. Rehabilitation of three existing duplex pump stations within the County's South service area to update the facilities to meet current OCU standards. Operating design flows of the stations ranged from 300 to 750 gpm. The project requires civil, structural, mechanical and electrical upgrades and includes final design, bidding, permitting, community outreach and construction phase services.

Pump Station Rehabilitation Package 38, Orange County Utilities, FL.

Project Manager. Project Manager for the rehabilitation of two existing duplex pump stations and two existing master pump stations within the County's South service area to update the facilities to meet current OCU standards. Operating design flows of the stations ranged from 100 to 15,000 gpm. The project requires civil, structural, mechanical and electrical upgrades and includes preliminary design, final design, bidding, permitting, community outreach and construction phase services.

Lift Station 49 Force Main Replacement, City of Orlando, FL.

Senior Project Manager. Preliminary engineering, final design, permitting and construction phase services associated with the replacement of approximately 1,945 liner feet of 12-inch, 100 linear feet of 20-inch force main, CIPP lining of approximately 120 linear feet of 10-inch PVC force main and 200 linear feet of 10-inch vitrified clay sanitary sewer serving the Dover Estates Subdivision. Open cut construction crossing SR 552 (Curry Ford Rd) right of way required careful maintenance of traffic considerations and provisions for phased weekend work. The project also required one (1) FDOT Utility Permit, one (1) FDEP Wastewater Permit, and conducting one (1) public involvement meeting.

Gravity R/R Replacement Package 3, Orange County Utilities, FL.

Senior Project Manager. Final design, permitting, bidding and construction phase services for the replacement of approximately 1,800 liner feet of 8-inch sanitary sewer mains within four (4) non-contiguous locations in Orange County, one (1) of which is also within the City of Maitland. This project also involves removal and replacement of fourteen (14) manholes, seven (7) of which are at depths of approximately 20-feet. Each location included unique but similar challenges associated with maintenance of traffic considerations, utility support and replacement, and construction associated with excavations to extended depth.

Septic Abatement Wastewater Transmission Main, City of Longwood, FL.

Senior Project Manager. Preliminary engineering, final design, permitting, bidding and construction phase services for 20,000 linear feet (3.8 miles) of 16-inch PVC force main. The selected project corridor extended through numerous jurisdictions including the City of Longwood, Seminole County, and Altamonte

Springs. Segments of the corridor varied widely in zoning from Single-Family Residential to Commercial, Light Industrial, and Public Lands. Therefore, special considerations to alignment and methods of construction were given to ensure impacts to the public and environmentally sensitive areas such as wetlands were adequately managed. This included a total of 9,600 LF installed by 10 separate horizontal directional drills, the longest of which extended 1,500 LF within the heavily trafficked R/W of Palm Springs Drive within the City of Altamonte Springs. The project also included installation of an 86LF 30-inch jack and bore casing crossing of Central Florida Commuter Rail Commission (Sunrail) right of way.

I4 Ultimate - Wet Utilities Relocation Design (Design-Build), FDOT District Five, Orlando, FL.

Wet Utilities Design Team Manager. Design, permitting and construction phase services for the relocation of 37,000 LF of water, sewer and reclaimed water mains, including 19 jack and bores and 5 directional drills within Areas 3 and 4 of the \$2.3 billion I4 Ultimate Widening, an FDOT Public Private Partnership. Responsibilities included Management of multiple design teams and disciplines including 23 individual design packages for half of the 21-mile corridor (Ivanhoe Blvd to North of EE Williamson Rd). Relocation packages were developed for all ten (10) utility agencies throughout the corridor, including: City of Orlando, OUC, City of Winter Park, Town of Eatonville, Orange County, City of Altamonte Springs, City of Maitland, Utilities Inc., Seminole County, and FDOT Rest Areas. The work included evaluation and resolution of over 560 conflicts with 250 designed relocations. Meeting an accelerated schedule and changing priorities required close coordination with the Design-Build Contractor, FDOT, utility owners. In addition to the above, responsibilities also included managing schedule and associated budgets including over 22,000 labor hours for the Wet Utilities Discipline.

Gravity Sewer Interceptors for Master Pump Station No 3 (Design-Build), Miami-Dade Water and Sewer Department, FL. Project Engineer 5,000 LF x 56" (OD) gravity sewer by microtunneling beneath active roadways in the Brickell Financial District of Miami, FL. Project involved 6-30ft deep drilled shafts, and extensive coordination for regulatory permitting through RER. Project included custom designed structural covers to carry urban Miami traffic over shafts between phases of construction. This project required extensive evaluation of geotechnical conditions and design parameters, relocation of existing utilities in conflict with shaft construction, coordination with numerous local governmental and private agencies including ongoing construction involving interface with numerous simultaneous and interconnected maintenance of traffic designs in the area.

EDUARDO MUHIÑA, RA

Mr. Muhiña's experience includes design criteria programs, design built, project architectural design, programming, preparation of construction documents, construction administration, interior design, planning, quality control, and surveying facilities for code compliance. The distinction of being architect of record for various hospitality, multi-use, higher education, healthcare, commercial, and high-end residential projects is one of the many benefits Mr. Muhiña brings to red design group, LLC. His immersion in the technical aspects of each project allows him to ensure the structural integrity of each building while maintaining the design intent.

Name of Firm:

Red Design Group

Title:

Architectural

Education:

BS, Architecture, University of Houston

Registrations/ Certifications:

Professional Engineer,
Florida, No. AR0014862

Professional Affiliations:

International Council of
Shopping Centers
State of Florida Registered
Architect

Florida Educational Facilities
Planners Association

United States Green
Building
Council

Office:

Miami, FL

Percentage of Time to be Assigned Full-Time to this Project:

50%

Related Experience:

- City of West Miami Pump Station
- City of Hollywood Lift Station
- Jackson Health System Perdue Pump Station

Multi-Family/Residential Experience:

- Turnberry Ocean Colony, Sunny Isles, FL
- Ocean Club, Village of Key Biscayne, FL
- Harbor Place Condo, Key West, FL
- South Pointe Tower, Miami Beach, FL
- Portofino Towers, Miami Beach, FL
- Arlen House, Sunny Isles, FL
- Villa Regina, Miami, FL
- Casablanca Hotel & Condominiums, Miami Beach, FL
- Kendal Lakes Condominiums, Miami, FL
- The Grand Condominiums, Miami, FL
- Double Tree Hotel, Miami, FL
- Truman Annex Condominiums, Key West, FL
- Grove Plaza Condominiums, Coconut Grove, FL
- Towers Condominiums, Coconut Grove, FL
- The Palace, Miami, FL
- The Imperial, Miami, FL
- Shelborne, Miami Beach, FL

High Education Experience (Clients):

- University of Miami Coral Gables Campus
- Florida International University (FIU) Miami, Florida
- Nova Southeastern University
- Northwestern University Kellogg School of Business

Medical Experience (Clients):

- University of Miami Medicine
- Jackson Health System (JHS)
- Baptist Health South Florida (BHSF)
- Baptist Health South Florida (BHSF)
- Baptist Health Enterprises (BHE)
- Nicklaus Children's Health System
- Mount Sinai Medical Center
- Larkin Hospital
- Keralty Hospital

ALFREDO BUDIK, PE

Mr. Budik is a Florida licensed professional engineer with more than 30 years of experience in geotechnical analysis, foundation design and construction materials testing. Mr. Budik has developed a solid reputation in the South Florida area and has successfully completed projects for residential, commercial, ground, above ground and underground parking garage and multi-use properties.

Mr. Budik has been involved in numerous high-profile projects in Miami with responsibilities such as design calculations, preparation of geotechnical and foundation reports, testing programs and installation observations of deep foundations. Mr. Budik has also provided specifications for specialized site preparation procedures such as pressure grouting, preload, vibro-flotation, slope stability, and geo-fabrics.

Name of Firm:

NV5

Title:

Geotechnical

Education:

Northeastern University,
MSCE,

Metropolitan University,
Venezuela, BSCE

Registrations/ Certifications:

Professional Engineer,
Florida, No. 129768

Florida Licensed Well
Contractor #11339

Professional Affiliations:

American Society of Civil
Engineers

Deep Foundations Institute
Florida Engineering Society
Association of State Dam

Office:

Miami, FL

Percentage of Time to be Assigned Full-Time to this Project:

25%

Years of Experience:

30

Seaboard Marine Maintenance Building and Fuel Pad. Geotechnical Engineer who provided geotechnical consulting and materials testing services for the 1-level maintenance building and offices with a footprint of over 15,000 square feet including fueling pads at the Port of Miami. NV5 conducted the geotechnical study for the project and provided recommendations for pile foundation design and construction. NV5 monitored and reported load testing of foundations, and provided construction observation during foundation installation. NV5 also provided materials testing, including concrete and soils testing.

First Street Parking Garage - Miami Beach, FL. Project Engineer with NV5, who provided geotechnical engineering, field observations, pile observations/testing, concrete testing, and soils testing to the project.

Fort Lauderdale/Hollywood International Airport. Project Engineer for the Terminal 4 Expansion Project at Fort Lauderdale/Hollywood International Airport for Quality Assurance & Material Testing (QAMT) including Geotechnical Engineering services for pile load tests and inspections related to the replacement of the original Terminal 4 gates with 14 added swing gates, construction of a post security connector from Terminal 3, reconstruction of the terminal apron, reconfiguration of the fuel hydrants, modifications to utilities, civil improvements to landside areas, and an updated baggage handling system.

Miami International Airport. Project Engineer for Quality Control materials testing and geotechnical engineering including installation of 24- inch diameter auger cast piles and 24-inch pre-stressed piles for the \$259 Million people mover project.

Miami-Dade County Public Works (MDCPW). Geotechnical Engineer for Soils, Foundations, and Geotechnical Testing for roadways, drainage, bridge, civil, and water and sewer (WASD).

City of Sunrise. Project Engineer for Geotechnical Engineering and Testing Services Contract for the City of Sunrise – Projects include Public Safety Complex, roadway construction, recreation and utility.

South Florida Water Management District. Project Manager – Responsible for quality control and quality assurance of geotechnical engineering and materials testing for various construction projects from West Palm Beach to Miami- Dade and Collier Counties. Mr. Budik has performed subsurface explorations for civil projects including levees, embankments, culverts, pump stations and roadways. Some of the projects included the C- 4 Canal Improvements Project Quick Start Floodwall, C-100 Canal Bank Repairs, C-1 Canal (Sweetwater Canal) Borings, Golden Gate Weirs 6 & 7 replacement, Pump Station G310 Concrete Slab Settlement Repairs, and the S-46 Indiantown Road Boring.

TAB E

APPROACH TO SCOPE OF WORK



TETRA TECH

Approach to Scope of Work

Tetra Tech has completed numerous wastewater treatment plant and pump station projects throughout Florida and across the country. Our approach is based on our experience and expertise with these types of projects and lessons learned. To adhere to the page limitations contained within the request for qualifications, we have outlined and provided some detail for our general approach to these types of projects.

Below is an outline for our approach and additional details.

- 1. Understanding of Issues and Objectives**
- 2. Challenges and Risk Mitigation**
- 3. Maintenance of Plant Operations Plan**
- 4. Condition Assessment**
- 5. Resiliency Assessment**
- 6. Technology Assessment**
- 7. Basis of Design**
- 8. By-pass Plan**
- 9. Detailed Designed**
- 10. Grant Support**
- 11. Permitting**
- 12. Construction Administration**
- 13. Construction Observation**
- 14. Startup**
- 15. Closeout**

Understanding of Issues and Objectives

Tetra Tech understands the importance of the influent pump station at the wastewater treatment plant. The influent pump station was installed in 1968 and subsequently updated. The pump station requires a complete rehabilitation and upgrade, including technological and resiliency scopes of work. In addition to the pump station, which includes a building pumps mechanical electrical instrumentation and HVAC equipment, the project includes rehabilitation of a 72-inch diameter pipe and splitter box between the bar screen/grit chamber and the pump station.

Challenges and Risk Mitigation

Because of our experience and expertise with similar wastewater treatment plant projects we thoroughly understand the challenges and how best to mitigate risk

associated with these challenges. The city's wastewater treatment plant provides service not just to the citizens of the City of Hollywood but also acts as a regional wastewater treatment plant for South Broward County. The significance of this wastewater treatment plant is understood and maintaining safe operations of the remainder of the plant while these improvements are completed is of the utmost importance.

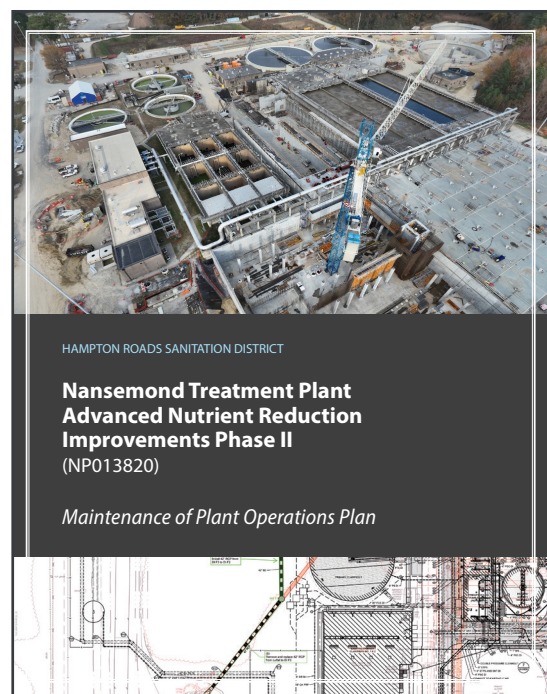
Another challenge is with other existing facilities on site. If a new building is necessary sighting of that building will require extensive utilities verification, geotechnical studies, and other data collection. Utilizing subsurface utility evaluations and ground penetrating radar is useful to identify underground utilities.

Hurricanes are another reality in South Florida, impacting construction activities. An appropriate Hurricane Contingency Plan is a necessity to identify possible mitigation strategies ahead of time.

Maintenance of Plant Operations Plan

Impacting plant operations is non-negotiable. Wastewater must be treated and disposed of during construction of the pump station and other scope items. The best way to ensure continuous plant operations is through the development of a well thought out Maintenance of Plant Operations Plan. Tetra Tech has developed MOPO Plans for many treatment plants and implemented them effectively to continue plant operations during construction.

A MOPO Plan will be developed with City staff and valued construction teaming partners, with whom we have rehabilitated other treatment plants.



Condition Assessment

One of the first steps for this project will be to assess the condition of the project components. While it is expected that much of the existing equipment will be replaced, some components, such as buildings and the 72-inch diameter pipe may be rehabilitated instead of completely replacements.

The condition of concrete and reinforcement steel can be evaluated through various non-destructive means. Electrical services must also be evaluated to determine their maximum loads. Understanding operational issues and equipment that is non-functional or substandard is essential to properly design improvements that can service existing and future flows.

Resiliency Assessment

The WWTP is in east Hollywood, in close proximity to the Intracoastal Waterway and the Atlantic Ocean. Sea Level Rise, storm surge, King Tides, and other climate impacts will likely affect the Influent Pump Station. Understanding the vulnerability of these facilities is key to designing improvements with resiliency in mind.

Our approach includes a Resiliency Assessment, which evaluates finished floor elevations and elevations of key

electrical and other equipment. It also identifies resiliency measures that could be incorporated into the design to better mitigate climate change effects, hurricane hardening, and flood resiliency.

Technology Assessment

Tetra Tech routinely includes technology assessments into pump station rehabilitations to improve operations. We have improved pump station control rules through bench test to optimize control rules for minimizing energy costs. Recent results showed a cost savings of up to \$22,000/year for a pumping capacity of 20 MGD for a similar equipment configuration, using proposed control rules.

We also use real time control operations to focus on pumping the optimized flow rate to maximize treatment capacity or reduce SSOs. We are currently developing a pilot project to implement more real time data analytics for predictive maintenance.

On another recent project, pumping optimization logic was developed using real time energy rates, pump efficiency calculations, and system pressures to determine which pumps to run such that adequate system pressures are maintained at the lowest energy cost possible.

OVERVIEW OF OUR PROCESS FOR MANAGING EACH PROJECT FROM START TO FINISH



We also incorporate time of use logic and solar energy considerations, if possible.

In addition to pumping technology assessments, we incorporate pipeline condition assessment technologies to evaluate pipe conditions, while in operation.

Basis of Design

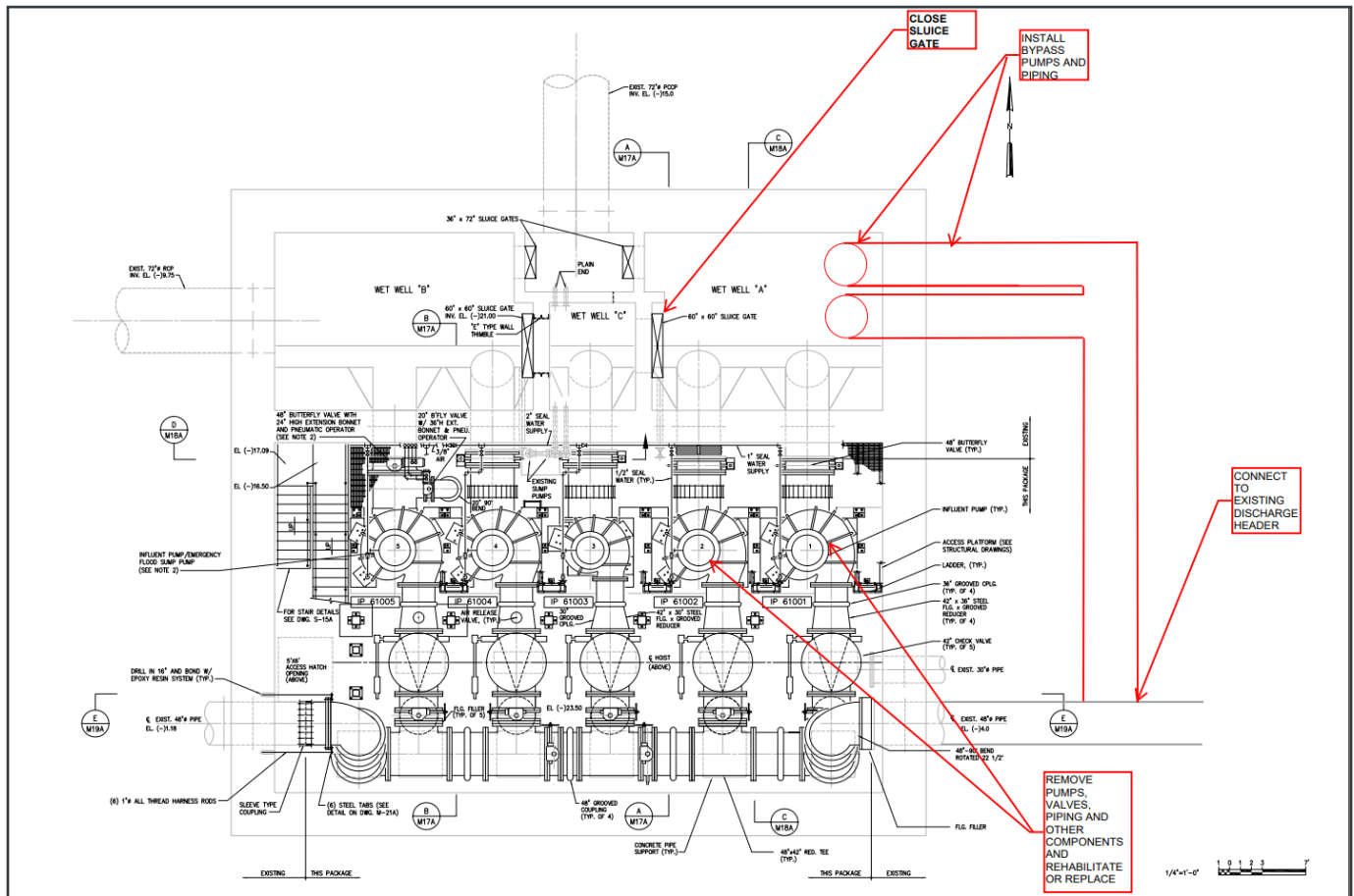
Prior to full design, a Basis of Design Report will be prepared. The basis of design will consider and establish levels of services and existing and future flows to be expected by the Pump Station. The BODR will establish key equipment requirements and sizing, as well as preliminary equipment layouts. The BODR may also evaluate options available, such as use of the existing pump station building and a new building. The BODR will also provide preliminary design, permitting requirements, and estimated costs.

By-pass Plan

Prior to beginning construction, the contractor will have to bypass the existing pump station or certain pumps. A By-pass plan is essential to understand any bypass limitations and the by-pass pumping and piping requirements. Because all of the flow received by the plant passes through the influent pump station, the By-pass Plan must consider average and peak flows and must identify the requirements to handle a range of flows successfully to allow safe and effective plant operations.

For this size pump station, bypass pumping will be very expensive and risky. The preferred approach would be to keep some pumps in service while replacing others and rehabilitating sections of the pump station, if possible. Bypass pumps will likely still be required, for backup, redundancy, or peak flows, but they would only run if needed. There would still be costs to furnish and install the backup pumps, but some savings may be seen on diesel and labor costs for the bypass, using this approach. Because Wet Wells A, B, and C can likely be isolated, a portion of the pump station may be isolated and taken off-line while working on the rest. See Exhibit A for a possible By-pass Concept.

Exhibit A



Detailed Design

This task includes preparation of the bid documents for the rehabilitation of the Influent Pump Station and other project components.

As typically requested by City staff, this project will provide two (2) reviews which will be at the 60% and 100% completion levels. Three (3) sets of drawings and specifications will be provided to the City for each review. Also, an engineer's opinion of probable cost will accompany the 60% and 100% design documents. The 100% completion level will incorporate City comments and comments received during permitting. Tasks to be conducted as part of this task include:

1. Prepare drawings in AutoCAD based on survey and geotechnical engineering base information. The preliminary list of drawings to be included is presented in Attachment A.
2. Prepare technical specifications and modify the City's front-end specifications, as required.
3. Attend design review meeting at 60% and 100% completion levels, prepare agenda and minutes.
4. Control panel, power and control systems and Supervisory Control and Data Acquisition (SCADA) and Remote Terminal Unit (RTU) equipment per City standards.
5. Coordination with FPL for power supply and obtain FPL design of power supply before bid of the project.
6. Stand-by power generator system connection.
7. Prepare an engineer's estimate of construction cost based on previous bid tabulations, vendor quotes, and estimates provided by Contractors. Cost estimate will be provided at the 60% and 100% completion level.
8. Prepare a comprehensive project manual to contain bidding, contract, general requirements (provided by the City) and technical specifications (Divisions 0 through 16) for competitive bidding. The project manual and its contents will be formatted in accordance with the Construction Specification Institute (CSI) and prepared using Microsoft WORD®.

Deliverables

- 60 Percent Drawings, Specifications, and Cost Estimate
- 100 Percent Drawings, Specifications, and Cost Estimate
- Meeting minutes

Grant Support

Tetra Tech has assisted the Utilities Department for over two years to perform the following grant support tasks:

- Grant applications
- Grant agency responses to requests for additional information
- Grant management
- Grant reporting and documentation
- Grant closeout

We have assisted the Utilities Department with grants from the following agencies:

- Florida Department of Environmental Protections
- US Environmental Protection Agency
- Florida Department of Emergency Management
- Federal Emergency Management Administration
- Broward County
- Others

Our approach is to utilize our experience and expertise to optimize grant awards and to meet agency requirements. Our approach incorporates different Tetra Tech staff with agency specific expertise and experience to meet requirements related to applications, reporting, and closeout.

Permitting

Tetra Tech will attend one preapplication meeting with Broward County and prepare and submit permit applications and supporting documentation necessary to obtain permits from the Broward County Environmental Protection and Growth Management Department (EPGMD) and City of Hollywood Building Department for the recommended transmission system improvements. Accordingly, Tetra Tech will perform the following tasks:

1. Coordinate and attend one preapplication meeting with Broward County and prepare meeting minutes.
2. Prepare and submit one (1) "Notification/Application for Constructing a Domestic Wastewater Collection/Transmission System" [DEP Form 62-604.300(8) (a)] and one (1) "Application to Construct a Wastewater Collection/Transmission System" [Broward County Domestic Wastewater Licensing Program Form] to the EPGMD.
3. Respond to "Requests for Additional Information" (RAI) issued by the regulatory agency. All permit application fees are to be paid by the CITY.

4. Prepare and submit two (2) signed and sealed sets of plans to the City of Hollywood Building Department for review.
5. Respond to "Requests for Additional Information" (RAI) from the City of Hollywood Building Department.
6. The City will be responsible for all permitting fees. Any additional permitting not included above will require additional fees.

Deliverables

- Meeting minutes
- Completed permit applications
- Responses to RAIs
- Approved permits

Construction Administration

Strict and streamlined procedures for internal coordination between the contractor, the City, and the construction management staff reduces confusion, maximizes deliverable quality, and minimizes potential cost increases and lost time over the length of the project.

Tetra Tech is focused on coordination, and as such, will perform our duties as an integrated team with integrated services.

For each project there will be an internal kickoff meeting with the entire team led by the Project Manager and include the contractor, its sub-contractors, and City staff. Before the project starts, a project management plan (PMP) specific to the project will be distributed to the team and the appropriate City personnel, clearly defining the scope, schedule, budget, and all individual milestones.

The PMP provides the controls structure for product delivery to ensure seamless coordination between the team.

Once the project has started, meetings are set up to address any construction issues. During the construction phase, a schedule is set up to monitor progress and deadlines.

Construction Observation

Tetra Tech provides daily observation of the construction to ensure conformance with the requirements and intent of the contract documents.

Tetra Tech's Construction Manager is qualified to observe and report construction activities associated with the project. The duties, responsibilities, and limitations of authority associated with the Construction Manager are detailed below:

- Observe the progress and quality of the work.
- Provide further protection for the City of Hollywood against defects and deficiencies in the work. However, the Construction Manager will not supervise, direct, or have control over the contractor's work nor have authority over or responsibility for the means, methods, techniques, sequences, or procedures selected or used by contractor, for security or safety at the site, for safety precautions and programs incident to the contractor's work in progress, for any failure of contractor to comply with Laws and Regulations applicable to contractor's performing and furnishing the work, or responsibility for contractor's failure to furnish and perform the Work in accordance with the Contract Documents.
- Review the progress schedule, schedule of Shop Drawing and Sample submittals, and schedule of values prepared by contractor and consult with the Engineer of Record concerning acceptability.
- Attend meetings with contractor, such as preconstruction conferences, progress meetings, job conferences and other project-related meetings, and prepare and circulate copies of minutes thereof.
- Serve as the Engineer of Record's liaison with contractor, working principally through Contractor's superintendent, assist in providing information regarding the intent of the Contract Documents.
- Assist the Engineer of Record in serving as the City's liaison with contractor when contractor's operations affect the City of Hollywood's on-site operations.
- Assist in obtaining additional details or information from the City, when required for proper execution of the work.
- Report to the Engineer of Record when clarifications and interpretations of the Contract Documents are needed and transmit to contractor clarifications and interpretations as issued by the Engineer of Record.
- Record date of receipt of Samples and approved Shop Drawings, receive Samples which are furnished at the Site by the contractor and notify the Engineer of Record of availability of Samples for examination.
- Advise the Engineer of Record and contractor of the commencement of any portion of the work requiring a Shop Drawing or Sample submittal for which RPR believes that the submittal has not been approved by Engineer.

- Consider and evaluate the contractor's suggestions for modifications in Drawings or Specifications and report such suggestions, together with his recommendations, to the Engineer of Record. Once a decision is made, transmit to the contractor in writing decisions as issued by Engineer.
- Review work and reject it if found defective.
- Conduct on-Site observations of contractor's work in progress to assist Engineer of Record and City in determining if the work is in general proceeding in accordance with the Contract Documents.
- Report to the Engineer of Record whenever any part of the contractor's work in progress will not produce a completed Project that conforms generally to the Contract Documents or will imperil the integrity of the design concept of the completed Project as a functioning whole as indicated in the Contract Documents, or has been damaged, or does not meet the requirements of any inspection, test or approval required to be made; and advise the Engineer of Record that part of work in progress should be corrected or rejected or should be uncovered for observation, or requires special testing, inspection or approval.
- Observe, record, and report to the Engineer of Record and City the appropriate details relative to the test procedures and systems start-ups.
- Accompany visiting inspectors representing public or other agencies having jurisdiction over the Project, record the results of these inspections, and report to the Engineer of Record.
- Consult with Engineer of Record and the City in advance of scheduled major inspections, tests, and systems startups of important phases of the Work.
- Verify that tests, equipment, and systems start-ups and operating and maintenance training are conducted in the presence of appropriate Owner's personnel, and that contractor maintains adequate records thereof.
- Maintain at the Site orderly files for correspondence, reports of job conferences, reproductions of original Contract Documents including all Change Orders, Field Orders, Work Change Directives, Addenda, additional Drawings issued subsequent to the execution of the Contract, Engineer's clarifications and interpretations of the Contract Documents, progress reports, Shop Drawing and Sample submittals received from and delivered to Contractor, and other Project-related documents.
- Prepare a daily report or keep a diary or log book, recording contractor's hours on the site, weather conditions, data relative to questions of Change Orders, Field Orders, Work Change Directives, or changed conditions, Site visitors, daily activities, decisions, observations in general, and specific observations in more detail as in the case of observing test procedures; and send copies to Engineer.
- Record names, addresses, fax numbers, e-mail addresses, web site locations, and telephone numbers of all contractors, subcontractors, and major suppliers of materials and equipment.
- Maintain records for use in preparing Project documentation.
- Upon completion of the work, furnish original set of all project documentation to Engineer of Record and the City.
- Furnish to Engineer of Record periodic reports as required of progress of the work and of contractor's compliance with the progress schedule and schedule of Shop Drawing and Sample submittals.
- Draft and recommend to Engineer of Record and the City proposed Change Orders, Work Change Directives, and Field Orders. Obtain backup material from Contractor.
- Furnish to Engineer of Record and the City copies of all inspection, test, and system start-up reports.
- Immediately notify Engineer of Record and the City of the occurrence of any Site accidents, emergencies, acts of God endangering the Work, damage to property by fire or other causes, or the discovery of any Constituent of Concern.
- Review Applications for Payment with contractor for compliance with the established procedure for their submission and forward with recommendations to the Engineer of Record and the City, noting the relationship of the payment requested to the schedule of values, work completed, and materials/equipment delivered at the site but not incorporated in the work.
- During the course of the work, verify that materials and equipment certificates, operation and maintenance manuals and other data required by the Specifications to be assembled and furnished by contractor are applicable to the items installed and in accordance with the Contract Documents, and have these documents delivered to Engineer for review and forwarding to Owner prior to payment for that part of the work.
- Participate in a Substantial Completion (pre-final) inspection and assist in the determination of Substantial Completion and the preparation of lists of items to be completed or corrected.

- Observe Contractor-arranged inspections required by Laws and Regulations applicable to the Work, including but not limited to those performed by public agencies having jurisdiction over the Work.
- Participate in a final inspection in the company of Engineer, of Record, the City, and contractor and prepare a final list of items to be completed and deficiencies to be remedied.
- Observe whether all items on the final list have been completed or corrected and make recommendations to Engineer concerning acceptance and issuance of the Notice of Acceptability of the work.

Construction Manager shall not:

- Authorize any deviation from the Contract Documents or substitution of materials or equipment (including "or-equal" items).
- Exceed limitations of Engineer's authority as set forth in the Agreement or the Contract Documents.
- Undertake any of the responsibilities of contractor, subcontractors, suppliers, or Contractor's superintendent.
- Advise on, issue directions relative to, or assume control over any aspect of the means, methods, techniques, sequences or procedures of Contractor's work unless such advice or directions are specifically required by the Contract Documents.
- Advise on, issue directions regarding, or assume control over safety practices, precautions, and programs in connection with the activities or operations of Owner or Contractor.



City of Hollywood Pump Station SW-06

- Participate in specialized field or laboratory tests or inspections conducted off-site by others except as specifically authorized by Engineer.
- Accept Shop Drawing or Sample submittals from anyone other than contractor.
- Authorize Owner to occupy the Project in whole or in part.

Start-up

Our approach to start-up is to make sure that your staff has been properly trained by the individual equipment manufacturer's representatives on the operational components and maintenance. It is recommended that City operations staff be involved as observers during start-up testing. This is another opportunity for the staff to become familiar with the equipment as it undergoes testing and start-up procedures.

We will check that the Contractor provides video recordings of all training sessions for future reference and future training of new personnel. As the design team, we fully understand the facility systems and operation processes. We are dedicated to training the City staff to make certain the facility is operated at its full potential to meet the City's needs.

Our approach to start-up and training will be based on pacing with completion of construction. Normally, plant training is scheduled for the end of the project and is crammed into a few days or weeks. This approach can be overwhelming and non-effective.

Our approach is to sufficiently spread the start-up and training for the various unit processes and equipment to match completion of the respective improvements as



Visual Inspection of City of Hollywood Pump Station

opposed to all at once. We will capture training via video and edit the final product to serve as a tool for future training.

Our use of Revit and other associated building information management (BIM) design software will provide the City with a final product that is beneficial for future equipment management as well as for use along with the video documentation in the training of future staff.

One of the key deliverables for this phase will be the operations and maintenance (O&M) manuals. Having been involved in this process for many years, Tetra Tech has learned that the standard O&M manuals provided by the equipment suppliers often fall short on usefulness and actual application.

Most of these manuals provide excellent information related to maintenance and repair, but often fall short on assisting in the day-to-day operations of the equipment.

Further, the O&M manuals provided by the contractor and equipment manufacturers do not address unit process operations.

As such, our approach is to provide the City of Hollywood staff with custom written manuals that provide summaries of the unit process operations and include the details of the design that are simply just absent from stock equipment catalogs. Again, our approach is to leverage technology. Our 3-D CADD renderings of the proposed facilities can be creatively used in the O & M manuals to provide realistic views for use in future operations and maintenance in the field.

Closeout

Final closeout for a project involves procedural issues and phase-out administrative procedures, transfer of responsibilities, financial closeout activities, and preparation of appropriate documentation. The purpose of a project closeout effort is to ensure a timely, orderly, and cost-effective project termination. If the closeout is complex and may take substantial time, a closeout plan should be issued prior to full project demobilization.

To provide an orderly closeout of a project, the Project Manager should, once all costs are incurred against the project with invoices and contracts are closed—prepare a project closeout report. The following items should be addressed in the closeout report:

- Technical, scope, cost, and schedule baseline accomplishments
- Financial closeout, including a final cost report with details as required
- Closeout approvals
- Permits, licenses, and/or environmental documentation
- Construction substantial and final completion verification
- Contract closeout status
- Adjustments to obligations and costs
- Photographic documentation
- Baseline change control log
- As-builts and record drawing production



Current & Projected Workload

The Tetra Tech team is available and fully committed to providing general engineering services to the City of Hollywood. The staff assigned to the project in the organization chart have immediate availability to implement projects upon receipt of a Notice to Proceed. Our team's resources are deep enough to successfully tackle all of the City's needs. If additional staff beyond those team members identified within this SOQ is necessary, our team has the resources available to commit additional team members. We have approximately 30,000 employees located in more than 550 offices worldwide.

We have all the resources and staff necessary to quickly execute the work assignments and complete the project correctly. This is one of the advantages of a large firm that has specialized in serving municipalities of the size and resources of a community like Hollywood. We bring large firm capabilities and people with an understanding of local municipal needs. We also have experience working with local subconsultants and will coordinate with them in their local offices.

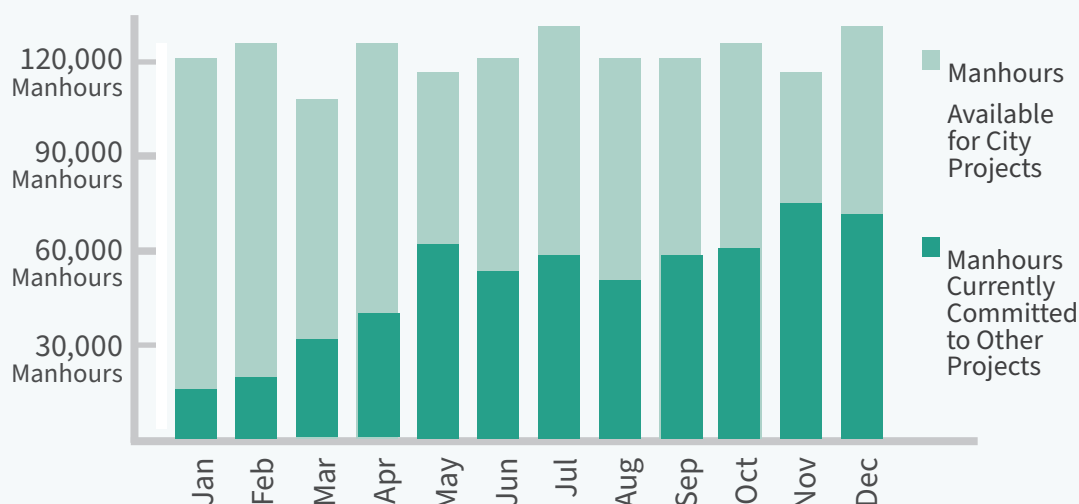
The figure below includes a summary of our current projects over the next year to demonstrate the availability of our team for this contract. Commitment of resources is the most critical factor in completing a project in a timely manner, and our workload projections indicate that there will be an abundance of resources available to execute the City's projects.

Our Project Principal, Ken Caban, is a Vice President with Tetra Tech and has the ability to assign the resources necessary to meet the City's needs, as he has done over the last 14 years. Our ability to virtually utilize staff to meet project demands has been proven.

We have completed small projects and large projects for the City of Hollywood and been able to successfully scale the project team, depending on the requirements of the City.

Our team working for the City of Hollywood includes engineers of various disciplines, drafting technicians, grant managers, construction professionals, and others. We currently have ten active projects with the City of Hollywood and our ability to complete assignments simultaneously is without question.

▼ Figure 1.1: Tetra Tech's Summary of Current Projects and Project Timeframes over the Next Year
(Florida resources only)



Summary

Project Initiation

Tetra Tech will work with the City of Hollywood to establish the framework and goals for the pump station specific to the City of Hollywood's needs. We will host meetings and planning sessions to establish the following:

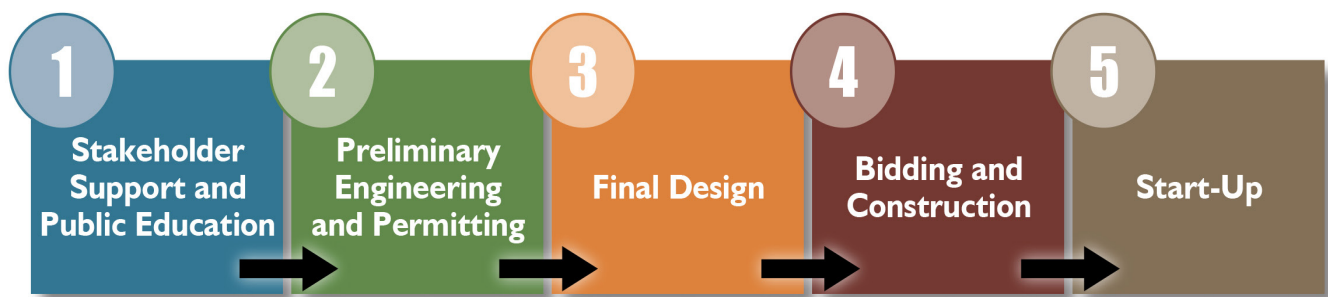
- Develop an organization chart of staff involved and stakeholders
- Begin engagement of employees, management, and/or the public in the planning and decision-making to develop a culture that includes a shared, common purpose
- Schedule meetings with staff and stakeholders
- Determine Level of Service (LOS) expectations and Key Performance Indicators (KPIs) (This effort will include meetings with the following key stakeholders: City staff; City officials; and major residential, commercial, and institutional users)

Tetra Tech is a full-service engineering with proven experience and recognized excellence in construction management and inspections, water, wastewater, reuse, and stormwater utilities. We understand the City's needs because of our successful work with the City on multiple projects on the Water Main Replacement Program.

Tetra Tech's established Project Management Plan ensure compliance with project and stakeholder goals, through continuous meeting and coordination with the City and various stakeholders throughout the projects' durations.

We have a proven leadership team and offer the best people for each project. Tetra Tech utilizes tools and developed programs to manage projects and staff. Some of the tools we have developed are used by others in the industry.

Ultimately, project goals are developed and adhered to provide effective, efficient, safe, and reliable utilities and Tetra Tech is a proven leader in this respect.



Schedule Controls

Due to Tetra Tech’s vast experience with administration of construction projects, Tetra Tech knows how to successfully manage construction projects and is experienced in the scheduling requirements, coordination, and organization required to maintain the schedule. Schedules often have overlapping tasks, which utilize various personnel and require experience in coordinating subconsultants, if used, so that multiple critical paths are preserved. Below are some of the controls Tetra Tech uses to management schedule:



Computer-Based Project Management



Our ability to meet the project schedule is enhanced by our computer based project management systems.

Tetra Tech currently utilizes **Microsoft Project** for preparation of detailed project schedules. This software program tracks progress for the established schedule, delineates deliverables, logs project milestones, and visibly reflects the relationship of various tasks. Depending on the project complexity, more advanced schedules can be prepared in **Primavera P6** (reference image ❶ below). Schedules can also be resource loaded to ensure resource balancing and integrated with our Labor Projection Worksheet tool. **30-Day Look Ahead Schedules** can be provided with monthly reports. **Cost curves** (reference image ❸ below) can be developed as the project progresses to show earned value versus budget as the schedule progresses.



Open Communication

Tetra Tech believes in open communication during all phases of every construction project. By dedicating time in the schedule to meet with the City and the contractor to fully understand critical path items.



Close Coordination During Construction

During the construction phase, Tetra Tech’s project managers and construction managers will identify key items that may affect the schedule, such as critical shop drawings for long lead items. Where such long lead items exist, Tetra Tech will encourage the contractor(s) to submit those critical shop drawings as soon as possible, while Tetra Tech will dedicate and commit the time to returning those shop drawings as soon as possible in advance of the allotted time for contract review. Our field inspectors will also continually review work progress and inform the project manager when progress is slipping, either for the entire project, or for individual project components.

Proven Results



SUCCESS STORY #1

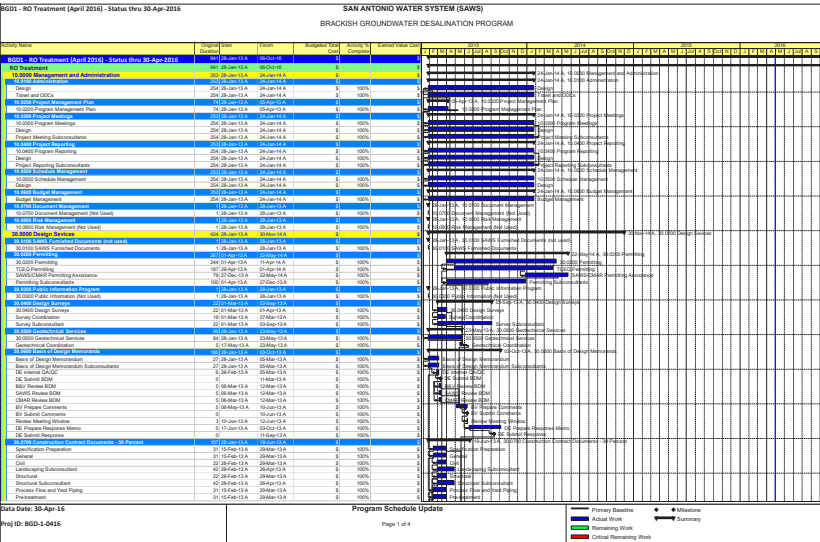
East Las Olas Blvd. Force Main Project, City of Ft. Lauderdale:

Tetra Tech expedited the design of this force main located within an FDOT ROW in order to replace existing infrastructure that was in disrepair and creating a regulatory enforcement action.

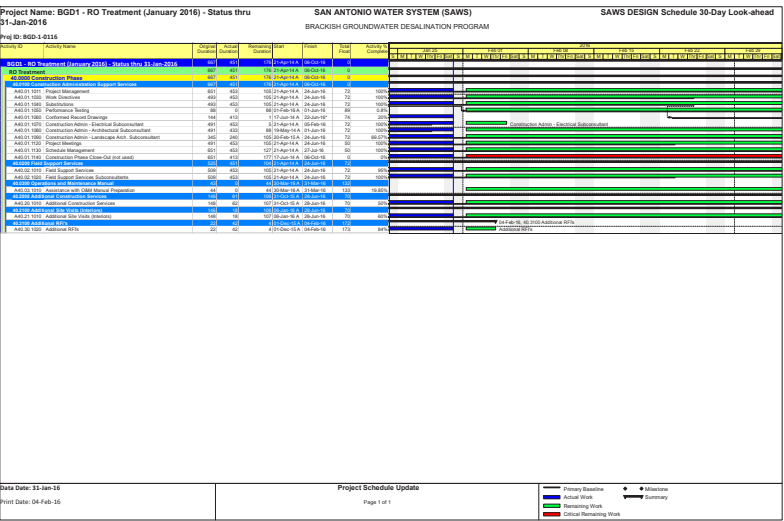
The existing force main had sections that were repaired or replaced previously and had failed several times sending wastewater to surface water. The timing for design, permitting and construction of the new force main was critical and expedited very effectively by Tetra Tech, to the satisfaction of the City and the regulatory agencies.

During construction, the City asked Tetra Tech to redesign the project to meet regulatory deadlines. We redesigned it during construction under exceptional time constraints.

❶ Primavera P6 Schedule

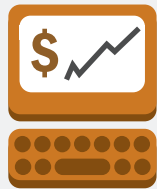


❷ 30-Day Look Ahead Schedule



Engineering Cost Controls

Tetra Tech's PMP also includes the overall budget, the budget for each task, and anticipated billings. The PMP closely coordinates the schedule and the budget so that as the project progresses, the project manager can easily monitor the billings versus the budget. Below are some of the controls Tetra Tech uses to manage engineering costs:



Computer-Based Accounting System

 The Project Management Plan is enhanced by our computer-based Oracle accounting system, **TetraLinx**. The TetraLinx system is tied directly to employee time sheets and billing information and is kept up to date on a weekly basis. This electronic system reduces delays in getting the project manager budget information. Timesheets are entered every Friday and on Monday morning the Project Manager receives an automated **Project Summary Report** in their email showing a snapshot of the budget used since the last invoice and the remaining budget. Tetra Tech also uses a **Portfolio Review Workbook** (reference image ❶ on the right), allowing the Project Manager to have a dashboard of all project performance metrics.



Cost Price Model

 Cost control begins with establishing a realistic budget. Tetra Tech has experienced Project Managers and Lead Design Engineers as well as a vast catalog of similar projects to use as a basis of estimating project budgets. Lead Design Engineers create the staffing plan and estimate hours per project milestone or deliverable. The Project Manager then uses our custom pricing tool called the **Cost Price Model** (reference image ③ on the right) to create the overall pricing plan with all direct and indirect costs, employee billing rates, overhead rates, and multipliers. The Cost Price Model generates the Project Labor Plan and Pricing Plan. This tool follows the project from inception to close out and is updated quarterly for project reviews.



Proactive Communication

Controlling costs also requires proactive coordination to get it right the first time and avoid costly redesigns. Engaging the design team with Fayette County and proactively coordinating progress, focusing on interdisciplinary coordination, communicating questions, and using experienced staff helps cost control.



Project Manager Portal

Tetra Tech has developed custom Project Management Tools to help control costs from the big picture level to the granular level per hour billed. Each Project Manager has a **PM Portal** (reference image ❷ on the right) with a dashboard that shows a quick snapshot of all project performance. Custom reports can be generated ranging from Work Breakdown Structures, Staff Billing report, Weekly Project Transaction Reports and Accounts Receivable reports.



Quarterly Project Reviews



Cost control relies on actively monitoring and assessing projects. Tetra Tech requires quarterly reviews of all projects by management called Operations Managers. Projects over \$100,000 budgets get more in-depth reviews and go thru the Project Evaluation & Estimate at Completion (PEEAC) review process. Project Managers update the project Cost Price Model by meeting with the Lead Design Engineer from each discipline and updating their estimates to complete the project versus the schedule and deliverable requirements. The estimate to complete is compared to the remaining budget and corrective actions are implemented if the project is projecting over budget. The project is also evaluated for risks, health and safety, schedule delays, and subcontractor performance issues.



Utilize Technical Oversight

Our team's vast national resources enable us to provide expert technical development and review of the project, and also allows independent oversight. Checking quality at intermediate stages will help avoid time-consuming changes later in the final design.

1 Portfolio Review Workbook

[illegible]

2 PM Portal

3 Cost Price Model

[illegible]

Proven Results



SUCCESS STORY #2

**Hollywood Blvd. JPA
WM Project, City of
Hollywood:**

Tetra Tech was able to modify their final design plans and expedite design and permitting of an initially unanticipated crossing of the Florida East Coast (FEC) Railroad which was originally to be included in an adjacent project. This project was scheduled to be bid by FDOT and the timing for securing the permitting was critical in order to meet the bid date. Tetra Tech performed additional coordination with FEC in advance of permitting and was able to secure the FEC permit to meet the FDOT letting date because of the advanced coordination and not receiving any comments from FEC on the permit submittal.

During construction, the contractor was unable to complete the horizontal directional drill under the FEC railroad, and Tetra Tech assisted to find a new contractor, relocate the proposed drill, and assist with removal of the pipe from the failed drill location.

Construction Cost Controls

Below are some of the controls Tetra Tech uses to manage construction costs:



Quality Documents

A major factor of Tetra Tech's excellent performance record is the ability to provide thorough and complete documents with which to estimate and control construction costs. One of the lessons learned in the firm's years of experience is that good planning and good quality deliverables are the best insurance for successful completion of a construction project. Because we pay close attention to each detail and make sure that all aspects of the project are covered in the design or plan development, our clients are assured that when projects are released for construction, budgets will be maintained.



Opinion of Probable Construction Cost (OPCC)

During the preliminary and design phases, Tetra Tech will develop an itemized list of quantities using a bid form template. We will then use recent bid data, coupled with escalators to project bids to current date, and anticipated material cost increases based on manufacturer discussions. These OPCCs will begin during the preliminary design phases and as the design progresses and quantities are refined, the estimates will be indicative of the estimated costs.



Cost Estimating Software

In addition to our own internal bid tabs, Tetra Tech also uses **RS Means** and **CostWorks** software for project construction cost estimating.



Value Engineering

If requested by the City, value engineering (VE) can be used to evaluate ways to reduce the construction cost while still meeting the intent of the design. Using a VE approach allows the team to arrive at the best possible operational system for any project. The VE team members performing the review, all have construction experience directly related to the needs of the City. The VE team further consists of members that have years of general contracting and construction management experience.

Proven Results



SUCCESS STORY #3

Harbor Islands:

Tetra Tech was contracted to assist the City of Hollywood with the design, permitting, post-design, and inspection services for an emergency 16-inch force main replacement that had failed in the Harbor Islands neighborhood. Tetra Tech was able to obtain all the required permits in an expedited manner, allowing the City and the contractor to successfully complete the construction and eliminate the health concerns created by the failed force main and temporary repair. Tetra Tech also oversaw the construction and worked closely with the City and the contractor to ensure that the construction met regulatory requirements and City standards. The new force main is now in successful operation.

Risk Management

Below are some of the controls Tetra Tech uses to manage risks:



Requirements Gathering

Our ability to meet the project schedule At project inception, the Project Manager will meet with the City Project Manager and begin to develop the scope outline, understand project objectives and agree on deliverables. Fully understanding the project requirements and capturing them is the best way to control the scope as the project progresses.



Experienced Project Teams

Involving experienced project team members in the scope preparation and project execution brings lessons learned from past projects to benefit the City to help define the project scope and ensure the level of effort is fully understood up front. The experience also pays off as the project progresses because the team is efficient at delivering the scope and knowledgeable about what is expected. If the team members get bogged down at any point or begin to stray from the intent of the scope, they can recognize it early and course correct.



Defined Scope of Work

The Project Manager will present a clearly defined scope to the City. Each task and deliverable will be identified and matched up to the task level budget so the City can review and refine the level of effort per task until everyone is on the same page.



Scope Reviews

At project milestones and during quarterly project reviews, the scope will be reviewed by management with the Project Manager to ensure the City requirements are met. Any necessary course corrections can be made to control scope creep.

TAB F

KNOWLEDGE OF THE SITE AND LOCAL CONDITIONS



TETRA TECH

Knowledge of Site and Local Conditions

Tetra Tech is familiar with the City of Hollywood and its water, wastewater, stormwater, and roadway infrastructure. We have successfully completed numerous projects for the City of Hollywood and understand the City, its residents, and visitors.

Subcontractors and Suppliers

Tetra Tech has assisted the City to successfully construct numerous infrastructure projects similar to those identified in the RFQ. We are familiar with the local construction contractors and are able to assist the City in ensuring proper and quality construction. In addition, during the construction bidding process, we assist with contractor bid evaluations to ensure proper pricing. We also perform reference checks for the lowest bidders to ensure that work they recently completed is to the satisfaction of the reference.

Knowledge of Local Permitting Agencies, Procedures, and Testing Protocols

Tetra Tech has assisted the City to design and permit over 300,000 LF of piping in the City of Hollywood. As part of that process, we must obtain permits from local, county, state, and federal agencies. We are familiar with the permits required, the requirements of those permits, and the procedures necessary to finalize and close out permits.

Experience with Logistically Complex Projects

We are very experienced with working on complex projects with logistical challenges. Washington Park, Project 1, has many logistical challenges due to the industrial/commercial nature of the area. We understand that public safety, both pedestrian and vehicular is of the utmost importance. Thorough maintenance of traffic plans are required of the contractor to properly and safely construct the proposed infrastructure. Tetra Tech has an abundance of understanding and experience with complex construction projects.

Tetra Tech is familiar with the City of Hollywood, the wastewater treatment plant, the operations staff, and the wastewater system delivering flow to the plant.

We have assisted the City with wastewater improvements throughout the City, including a recent project modifying the 72-inch trunk line directly upstream of the influent pump station, on Taft Street.

Our staff also assisted the City during a recent emergency situation at the WWTP, when a 48-inch effluent force main broke. As a result of the break, all of the clarifiers overflowed, resulting in a Sanitary Sewer Overflow at the plant. Tetra Tech assisted the City to oversee the cleanup throughout the plant site and to monitor water quality throughout nearby water bodies.

The City successfully repaired the break, using the construction contract already on site, along with many of its trusted consultants, including Tetra Tech.

In addition to our knowledge of the plant site and operations, we are familiar with the Influent Pump Station and electrical control room through our recent site visit.

We also have knowledge of the other ongoing projects at the WWTP, including the deep injection well construction currently occurring.

Tetra Tech has successfully designed, permitted, and assisted during construction of multiple City of Hollywood projects. We understand how to design projects for the City, how to get them expeditiously permitted, and successfully constructed. Tetra Tech will deliver this project for the City, as we have done for every other project over the last 14 years.

Photos of SRWWTP Influent Pump Station Pumps, Piping, and Control Panels



TAB G

REFERENCES *VENDOR REFERENCE FORM*



TETRA TECH

FORM 4

VENDOR REFERENCE FORM

City of Hollywood

Solicitation #:

RFQ-238-24-JJ

Reference for:

DESIGN, CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR THE
INFLUENT PUMP STATION UPGRADEOrganization/Firm Name providing
reference:

Macomb County Public Works Office

Organization/Firm Contact

Name:

Vincent Astorino

Title:

Operations Director

Email:

vincent.astorino@macombgov.org

Phone:

(586) 615-2436

Name of Referenced Project:

Nine Mile Pump Station

Contract No:

WWS-2021-004

Date Services were provided:

2021 -2025 (est.)

Project

Amount:

\$1.5M

Referenced Vendor's role in
Project:☒ Prime Vendor☐ Subcontractor/
SubconsultantWould you use the Vendor
again?☒ Yes☐ No. Please specify in additional
comments

Description of services provided by Vendor (provide additional sheet if necessary):
Tetra Tech was tasked with design, construction management, and inspection services for the 9 Mile Pump Station project. This was a new 600 cfs pump station which was to be designed around existing infrastructure which made this a very difficult project. Tetra Tech completed the design on time and within budget.

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

Additional Comments (provide additional sheet if necessary):
Tetra Tech has been great to work with and has continued to exceed our expectations while working on projects throughout Macomb County, Michigan.

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

FORM 4

VENDOR REFERENCE FORM

City of Hollywood

Solicitation #:

RFQ-238-24-JJ

Reference for:

DESIGN, CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR THE
INFLUENT PUMP STATION UPGRADEOrganization/Firm Name providing
reference:

City of East Lansing

Organization/Firm Contact

Title:

Name:

Robert Schuerman

Senior Engineer

Email:

bschuerman@cityofeastlansing.com

Phone: 517-377-4459

Name of Referenced Project:

Headworks and Interceptor

Contract No: 2019SRF 5632-01

Date Services were provided:

2015 -2018

Project

Amount:

\$2M

Referenced Vendor's role in
Project:☒ Prime Vendor for Owner☐ Subcontractor/
SubconsultantWould you use the Vendor
again?☒ Yes☐ No. Please specify in additional
comments

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

Professional consulting engineering services including project planning,
design, bidding, resident inspection, and construction administration.

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

Additional Comments (provide additional sheet if necessary):

****THIS SECTION FOR CITY USE ONLY****

Verified via:	Email:	☐	Verbal:	☐	Mail:	☐
Verified by:	Name:				Title:	
	Department:				Date:	

FORM 4**VENDOR REFERENCE FORM****City of Hollywood****Solicitation #:**

RFQ-238-24-JJ

Reference for:DESIGN, CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR THE
INFLUENT PUMP STATION UPGRADE**Organization/Firm Name providing
reference:**

Lexington-Fayette Urban County Government

Organization/Firm Contact**Name:**

Robert Peterson, PE

Email:

rpeterson@lexingtonky.gov

Name of Referenced Project:West Hickman Wastewater Treatment
Plant Reliability Upgrades**Date Services were provided:**

2014 -2020

Title:

Remedial Measures Program Manager

Phone:

859-425-2438

Contract No:

WH-20

Project**Amount:**

\$2.9M

**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):**

Tetra Tech provided design, construction management, and inspection services for the project that included 150 MGD Screening facilities, a 70 MGD influent pump station, a 80 MGD wet weather pump station, grit management facilities, upgrades to the non-potable water system, a recycle pump station, and a 22 MG wet weather storage tank.

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

Additional Comments (provide additional sheet if necessary):

Have had multiple successful projects with Tetra Tech and look forward to more projects in the future.

******THIS SECTION FOR CITY USE ONLY******

Verified via:	Email:	☐	Verbal:	☐	Mail:	☐
Verified by:	Name:				Title:	
	Department:				Date:	

FORM 4

VENDOR REFERENCE FORM

City of Hollywood

Solicitation #:

RFQ-238-24-JJ

Reference for:

DESIGN, CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR THE
INFLUENT PUMP STATION UPGRADEOrganization/Firm Name providing
reference:

Gwinnett County Department of Water Resources

Organization/Firm Contact

Name:

Kris M. Campbell, P.E.

Title:

Deputy Director

Email:

Kristopher.Campbell@gwinnettcountry.com

Phone:

678-376-6751

Name of Referenced Project:

Brooks Road Pump Station Improvements

Contract No:

Date Services were provided:

2020 -2022

Project

Amount:

\$850K

Referenced Vendor's role in
Project:☐ Prime Vendor☐ Subcontractor/
SubconsultantWould you use the Vendor
again?☐ Yes☐ No. Please specify in additional
comments

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

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

Additional Comments (provide additional sheet if necessary):

Tetra Tech provided professional services that met the level of care required for the subject project.

GCDWR will utilize the services of Tetra Tech on future endeavors.

****THIS SECTION FOR CITY USE ONLY****

Verified via:	Email:	☐	Verbal:	☐	Mail:	☐
Verified by:	Name:				Title:	
	Department:				Date:	

TAB H

***SUB CONSULTANT
INFORMATION***



TETRA TECH

SUBCONSULTANTS

Gibbs Land Surveyors *Land Surveying*

2131 Hollywood Blvd, Suite 204
Hollywood, FL 33020



Gibbs Land Surveyors is a local small business firm started in May 1988 and located in downtown Hollywood who has served the City of Hollywood since 1988. Part of their commitment to the community is their location. From this office, their surveying experience has been primarily in the performance of boundary surveys, as-built surveys, construction surveys, control surveys, topographic surveys, research, legal description writing and hydrographic surveys.

With experience providing these surveying services for numerous departments within the City, they are familiar with the City's field and drafting standards. Their focus is being involved with assisting each the City and the Team, throughout the life of the project, because it requires everyone to be involved to make it a successful survey.

NV5

Geotechnical

200 S Park Rd Ste 350, Hollywood, FL
33021



NV5 is a provider of technology, conformity assessment, and consulting solutions for public and private sector clients supporting infrastructure, utility, and building assets and systems. With more than 100 offices nationwide and abroad, NV5 helps clients plan, design, build, test, certify, and operate projects that improve the communities. Their expertise includes strategic program management, regulatory support, groundwater resource assessments, optimization of municipal groundwater wellfields, hydrogeologic evaluations, surface water/groundwater interactions, streambed infiltration, and hydrogeologic, hydrologic and hydraulic modeling.

Red Design Group *Architectural*

1000 South Red Road, Suite 202
West Miami, Florida 33144



Red design group, LLC (RDG) is an Architectural Design firm based in West Miami, focused on serving our clients and their communities by developing environments that help people experience the world through architecture. The firm was established in 2003. Founder Eduardo Muhiña brings with him many years of experience in the architectural field. Since its creation, RDG has offered ingenuity and skills in providing innovative designs, earning widespread recognition and continued trust from all its clients. Principal Eduardo Muhiña and the red design team are trend setters in their profession and have diverse backgrounds stemming from local to international design work.

EDEC, Inc. *Electrical*

4120 Chattahoochee Trace; Suite A
Duluth, Georgia 30097



Headquartered in Atlanta, Georgia, EDEC, Inc. is a leading Electrical and Controls design engineering firm that specializes in heavy industrial, municipal, and commercial projects. With a strong reputation built on years of successful service, EDEC offers expert design solutions tailored to the unique needs of each client. The company's diversified experience stems from the trust and confidence clients have placed in their work, making EDEC a preferred partner for complex and large-scale engineering projects. Committed to quality, innovation, and reliability, EDEC continues to deliver exceptional value to industries across the board.

TAB I

FINANCIAL RESOURCES



TETRA TECH

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Directors and Stockholders of Tetra Tech, Inc.

Opinions on the Financial Statements and Internal Control over Financial Reporting

We have audited the accompanying consolidated balance sheets of Tetra Tech, Inc. and its subsidiaries (the “Company”) as of October 1, 2023 and October 2, 2022, and the related consolidated statements of income, of comprehensive income, of equity and of cash flows for each of the three years in the period ended October 1, 2023, including the related notes and financial statement schedule listed in the accompanying index (collectively referred to as the “consolidated financial statements”). We also have audited the Company’s internal control over financial reporting as of October 1, 2023, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of the Company as of October 1, 2023 and October 2, 2022, and the results of its operations and its cash flows for each of the three years in the period ended October 1, 2023 in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of October 1, 2023, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the COSO.

Basis for Opinions

The Company’s management is responsible for these consolidated financial statements, for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting, included in Management’s Report on Internal Control over Financial Reporting appearing under Item 9A. Our responsibility is to express opinions on the Company’s consolidated financial statements and on the Company’s internal control over financial reporting based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud, and whether effective internal control over financial reporting was maintained in all material respects.

Our audits of the consolidated financial statements included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

Definition and Limitations of Internal Control over Financial Reporting

A company’s internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company’s internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company’s assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Critical Audit Matters

The critical audit matters communicated below are matters arising from the current period audit of the consolidated financial statements that were communicated or required to be communicated to the audit committee and that (i) relate to accounts or disclosures that are material to the consolidated financial statements and (ii) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matters below, providing separate opinions on the critical audit matters or on the accounts or disclosures to which they relate.

Revenue Recognition - Determination of Total Estimated Contract Cost for Fixed-price Contracts

As described in Note 3 to the consolidated financial statements, \$1.64 billion of the Company's total revenues for the year ended October 1, 2023 was generated from fixed-price contracts. As disclosed by management, under fixed-price contracts, the Company's clients pay an agreed fixed-amount negotiated in advance for a specified scope of work. Revenue is recognized over time as the related performance obligation is satisfied by transferring control of a promised good or service to the Company's customers. Progress toward complete satisfaction of the performance obligation is primarily measured using a cost-to-cost measure of progress method. The cost input is based primarily on contract cost incurred to date compared to total estimated contract cost. This measure includes forecasts based on the best information available and reflects management's judgment to faithfully depict the value of the services transferred to the customer. Due to uncertainties inherent in the estimation process, it is possible that estimates of costs to complete a performance obligation will be revised in the near-term. For those performance obligations for which revenue is recognized using a cost-to-cost measure of progress method, changes in total estimated costs, and related progress towards complete satisfaction of the performance obligation, are recognized on a cumulative catch-up basis in the period in which the revisions to the estimates are made. As a result, the Company recognized net favorable revenue and operating income adjustments of \$11.0 million for the year ended October 1, 2023. Changes in revenue and cost estimates could also result in a projected loss, determined at the contract level, which would be recorded immediately in earnings. The anticipated losses and estimated cost to complete the related contracts was \$8.5 million and approximately \$68 million, respectively, as of October 1, 2023.

The principal considerations for our determination that performing procedures relating to revenue recognition - determination of total estimated contract cost for fixed-price contracts is a critical audit matter are (i) the significant judgment by management in developing the estimate of total contract cost for fixed-price contracts; and (ii) a high degree of auditor judgment, subjectivity, and effort in performing procedures and in evaluating audit evidence related to management's estimate of total contract costs for fixed-price contracts with cumulative catch-up adjustments, anticipated losses or claims.

Addressing the matter involved performing procedures and evaluating audit evidence in connection with forming our overall opinion on the consolidated financial statements. These procedures included testing the effectiveness of controls relating to the revenue recognition process, including controls over the total estimated contract cost for fixed-price contracts. These procedures also included, among others, (i) evaluating and testing management's process for developing the estimate of total contract cost for a sample of contracts with cumulative catch-up adjustments, anticipated losses or claims, which included evaluating the contract terms and other documents that support those estimates, and testing of underlying contract costs; (ii) assessing management's ability to reasonably estimate total contract costs by performing a comparison of the total estimated contract cost as compared with prior period estimates, including evaluating the timely identification of circumstances that may warrant a modification to the total estimated contract cost; and (iii) evaluating, for certain contracts, management's methodologies and assessing the consistency of management's approach over the life of the contract.

Acquisition of RPS Group plc – Valuation of Certain Client Relations and Trade Name

As described in Note 5 to the consolidated financial statements, the Company completed its acquisition of RPS Group plc ("RPS") on January 23, 2023 for a total purchase price of approximately \$784 million. Of the total acquired intangible assets of \$174.1 million, certain client relations and a trade name represent the majority. Fair value was estimated by management using a multi-period excess earnings method for client relations and a relief from royalty method for trade names. Management's significant assumptions used in estimating fair value of client relations include (i) the estimated life the asset will contribute to cash flows, such as remaining contractual terms, (ii) revenue growth rates and EBITDA margins, (iii) attrition rate of customers, and (iv) the estimated discount rates that reflect the level of risk associated with receiving future cash flows. The significant assumptions used in estimating fair value of trade name include the royalty rates and discount rates.

The principal considerations for our determination that performing procedures relating to the valuation of certain client relations and trade name in the acquisition of RPS Group plc is a critical audit matter are (i) the significant judgment by management when developing the fair value estimate of certain client relations and trade name acquired, (ii) a high degree of auditor judgment, subjectivity, and effort in performing procedures and evaluating management's significant assumptions related to estimated life, revenue growth rates, customer attrition rates, EBITDA margins and discount rates for certain client relations and a royalty rate and discount rate for a trade name, and (iii) the audit effort involved the use of professionals with specialized skill and knowledge.



Addressing the matter involved performing procedures and evaluating audit evidence in connection with forming our overall opinion on the consolidated financial statements. These procedures included testing the effectiveness of controls relating to the acquisition accounting, including controls over management's valuation of certain client relations and trade name acquired. These procedures also included, among others, (i) reading the purchase agreement; (ii) testing management's process for developing the fair value estimate of certain client relations and trade name acquired; (iii) evaluating the appropriateness of the multi-period excess earnings and relief from royalty methods used by management; (iv) testing the completeness and accuracy of the underlying data used in the multi-period excess earnings and relief from royalty methods; and (v) evaluating the reasonableness of the significant assumptions used by management related to the estimated life, revenue growth rates, customer attrition rates, EBITDA margins and discount rates for certain client relations and the royalty rate and discount rate for a trade name. Evaluating management's assumptions related to the estimated life, revenue growth rates, customer attrition rates and EBITDA margins for client relations involved considering (i) the current and past performance of RPS; (ii) the consistency with external market and industry data; and (iii) whether the assumptions were consistent with evidence obtained in other areas of the audit. Professionals with specialized skill and knowledge were used to assist in evaluating (i) the appropriateness of the multi-period excess earnings and relief from royalty methods and (ii) the reasonableness of the discount rate assumption for certain client relations and trade name, as well as, the royalty rate for a trade name.

/s/ PricewaterhouseCoopers LLP

Los Angeles, California

November 22, 2023

We have served as the Company's auditor since 2004.

Tetra Tech, Inc.
Consolidated Balance Sheets
(in thousands, except par value)

ASSETS	October 1, 2023	October 2, 2022
Current assets:		
Cash and cash equivalents	\$ 168,831	\$ 185,094
Accounts receivable, net	974,535	755,112
Contract assets	113,939	92,405
Prepaid expenses and other current assets	89,096	115,400
Income taxes receivable	9,623	10,205
Total current assets	<u>1,356,024</u>	<u>1,158,216</u>
Property and equipment, net	74,832	32,316
Right-of-use assets, operating leases	175,932	182,319
Goodwill	1,880,244	1,110,412
Intangible assets, net	173,936	29,163
Deferred tax assets	89,002	47,804
Other non-current assets	70,507	62,546
Total assets	<u>\$ 3,820,477</u>	<u>\$ 2,622,776</u>
LIABILITIES AND EQUITY		
Current liabilities:		
Accounts payable	\$ 173,271	\$ 147,436
Accrued compensation	302,755	237,669
Contract liabilities	335,044	241,340
Short-term lease liabilities, operating leases	65,005	57,865
Current portion of long-term debt	—	12,504
Current contingent earn-out liabilities	51,108	28,797
Other current liabilities	280,959	190,406
Total current liabilities	<u>1,208,142</u>	<u>916,017</u>
Deferred tax liabilities	14,256	15,161
Long-term debt	879,529	246,250
Long-term lease liabilities, operating leases	144,685	146,285
Non-current contingent earn-out liabilities	22,314	36,769
Other non-current liabilities	148,045	79,157
Commitments and contingencies (Note 17)		
Equity:		
Preferred stock – Authorized, 2,000 shares of \$0.01 par value; no shares issued and outstanding at October 1, 2023 and October 2, 2022	—	—
Common stock – Authorized, 150,000 shares of \$0.01 par value; issued and outstanding, 53,248 and 52,981 shares at October 1, 2023 and October 2, 2022, respectively	532	530
Additional paid-in capital	—	—
Accumulated other comprehensive loss	(195,295)	(208,144)
Retained earnings	1,598,196	1,390,701
Tetra Tech stockholders' equity	<u>1,403,433</u>	<u>1,183,087</u>
Noncontrolling interests	73	50
Total stockholders' equity	<u>1,403,506</u>	<u>1,183,137</u>
Total liabilities and stockholders' equity	<u>\$ 3,820,477</u>	<u>\$ 2,622,776</u>

See accompanying Notes to Consolidated Financial Statements.

TAB J

LEGAL PROCEEDINGS



TETRA TECH

Legal Proceedings and Performance

In the normal course of business, Tetra Tech, Inc. is subject to certain claims and lawsuits typically filed against the engineering and consulting professions, including contractual disagreements, workers' compensation, personal injury, and other similar lawsuits. Tetra Tech maintains insurance coverage for its business and operations, subject to certain deductibles and policy limits against such claims. As described in Tetra Tech's most recent quarterly and annual reports filed with the U.S. Securities and Exchange Commission, Tetra Tech believes that the resolution of any such claims will not have a material effect on its financial position or results of operations.

Below is a summary of individual cases of Florida litigation, judgments and/or legal actions over the past 5 years related to our services provided by our firm or its subsidiaries and/or affiliates.

As a design firm, Tetra Tech has not been subject to any construction arbitration demands, construction-related lawsuits, or other proceedings by the National Labor Relations Board. Tetra Tech has not had to use bonding moneys to complete a project or to play a subconsultant or supplier.

Tetra Tech nor its subsidiaries have filed for a bankruptcy petition.

Dispute Name	Case Number	Court	Nature of the Litigation or Dispute
Urban Oaks Builders - Ardaman* (Sola Celebration)	2020-CA-1499	Circuit Court, Ninth Judicial Circuit, Osceola County	Negligence alleged - Closed
Gillespie Residence/ Pentail Circle, Tampa*	20-CA-006767	Hillsborough County	Negligence alleged - Closed
Grande Oaks at Heathrow Association, Inc. v. Ardaman & Associates, Inc.*	2020-CA-003188	Seminole	Construction defect alleged - Closed
1370 S. Ocean, LLC v. Ardaman & Associates, Inc.*	502021CA002592XXXXMB	Palm Beach	Allegations of a Phase I Environmental Site Assessment error - Closed
Concrete Services Unlimited v. Ardaman & Associates*	21000460CAA	Gadsden County	Negligence alleged - Closed
Kinley (FLA), L.L.C. v. Ardaman & Associates*	05-2021-CA-024693	Brevard County	Defective design and construction allegations - Closed
Kim Thompson / Horse Creek Park Project*	05-2019-CA-044372	Brevard County	Negligence alleged - Closed
Prieto Brother's Corporation / Medly, Florida Warehouse*	2022-017772-CA-01	Miami-Dade	Breach of Contract alleged - Open

* = Case Involving Ardaman & Associates (A Tetra Tech wholly owned Subsidiary) who is not identified nor anticipated to be utilized in this Contract.



DECEMBER 12, 2024

City of Hollywood
Department of Public Utilities
c/o City Clerk
2600 Hollywood Blvd
Hollywood, FL 33022-9045

**SUBJECT: RFQ-238-24-JJ - LIQUIDATED DAMAGES AND TERMINATION BY
DEFAULT**

To our knowledge, Tetra Tech, Inc. has not paid liquidated damages and/or been terminated for default.

Sincerely,
Tetra Tech

A handwritten signature in blue ink, appearing to read 'Ken Caban', written in a cursive style.

Ken Caban, PE, LEED AP
Vice President

6303 Waterford District Dr., Ste. 305, Miami, FL 33126
TEL: 305.849.3404 | www.tetrattech.com

TAB K

REQUIRED FORMS



TETRA TECH

FORM 2

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): Tetra Tech, Inc.

If Corporation - Date Incorporated/Organized: 1988 Federal Tax Identification Number: 95-4148514

State Incorporated/Organized: Delaware

Company Operating Address: 6303 Waterford District Drive, Suite 305

City: Miami State: FL Zip Code: 33126

Remittance Address (if different from ordering address):

City: _____ State: _____ Zip Code: _____

Company Contact Person: Ken Caban, PE Email Address: ken.caban@tetrattech.com

Phone Number (include area code): 305-849-3404 Fax Number (include area code): _____

Company's Internet Web Address: tetrattech.com

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:  Date: 12/12/2024

Type or Print Name: Ken Caban

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 ITS OFFER.

FORM 5**HOLD HARMLESS AND INDEMNITY CLAUSE**Tetra Tech, Inc. | Ken Caban, PE

(Company Name and Authorized Signature, Print Name)

, the contractor, shall indemnify, defend and hold harmless the City of Hollywood, its elected and appointed officials, employees and agents for any and all suits, actions, legal or administrative proceedings, claims, damage, liabilities, interest, attorney's fees, costs of any kind whether arising prior to the start of activities or following the completion or acceptance and in any manner directly or indirectly caused, occasioned or contributed to in whole or in part by reason of any act, error or omission, fault or negligence whether active or passive by the contractor, or anyone acting under its direction, control, or on its behalf in connection with or incident to its performance of the contract.



Signature

Ken Caban, PE

Printed Name

Tetra Tech, Inc.

Name of Company

Vice President

Title

FORM 6**NON-COLLUSION AFFIDAVIT****STATE OF:** Florida**COUNTY OF:** Broward, being first duly sworn, deposes and says that:

- (1) He/she is Ken Caban of Tetra Tech, Inc., the Proposer that has submitted the attached Proposal.
- (2) He/she has been fully informed regarding the preparation and contents of the attached Proposal and of all pertinent circumstances regarding such Proposal;
- (3) Such Proposal is genuine and is not a collusion or sham Proposal;
- (4) Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contractor for which the attached Proposal has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices, profit or cost element of the Proposal price or the Proposal price of any other Proposer, or to secure an advantage against the City of Hollywood or any person interested in the proposed Contract; and
- (5) The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.



Signature

Ken Caban

Printed Name

Tetra Tech, Inc.

Name of Company

Vice President

Title

FORM 7**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

1. This form statement is submitted to the City of Hollywood by
Ken Caban, PE | Vice President for Tetra Tech, Inc.
(Print individual's name and title) (Print name of entity submitting sworn statement)
whose business address is
6303 Waterford District Drive, Suite 305, Miami, FL 33126
and if applicable its Federal Employer Identification Number (FEIN) is 95-4148514. 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 Statutes, 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.

- 5 I understand that "person," as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or any entity organized under the laws of any state or of the

FORM 8**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:

Tetra Tech, Inc.

6303 Waterford District Dr., Suite 305, Miami, FL 33216

Miami, FL 33126

Application Number and/or Project Name:

RFQ-238-24-JJ: DESIGN, CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR THE INFLUENT PUMP STATION UPGRADE

Applicant IRS/Vendor Number: EIN: 95-4148514



Ken Caban, PE

Signature

Printed Name

Tetra Tech, Inc.

Vice President

Name of Company

Title

FORM 9**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.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the 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.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program (if such is available in the employee's community) by, any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of these requirements.

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



Ken Caban, PE

Signature

Printed Name

Tetra Tech, Inc.

Vice President

Name of Company

Title

FORM 10**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.



Ken Caban, PE

Signature

Printed Name

Tetra Tech, Inc.

Vice President

Name of Company

Title

Form **W-9**
(Rev. March 2024)
Department of the Treasury
Internal Revenue Service

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.

Before you begin. For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

Print or type. See Specific Instructions on page 3.	1 Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.) TETRA TECH INC.	
	2 Business name/disregarded entity name, if different from above.	
	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 ☐ 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) _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) 5 Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) _____ (Applies to accounts maintained outside the United States.)
	3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions. _____ ☐	
	5 Address (number, street, and apt. or suite no.). See instructions. 201 EAST PINE STREET, SUITE-1000	Requester's name and address (optional)
	6 City, state, and ZIP code ORLANDO, FL 32801	
	7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. See also *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number								
			-					
or								
Employer identification number								
9	5	-	4	1	4	8	5	1 4

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign
Here

Signature of
U.S. person

Caroline T Hall

Date

12/06/24

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted 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.

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or 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

FORM 4

VENDOR REFERENCE FORM

City of Hollywood

Solicitation #:

RFQ-238-24-JJ

Reference for:

DESIGN, CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR THE
INFLUENT PUMP STATION UPGRADE

Organization/Firm Name providing
reference:

Macomb County Public Works Office

Organization/Firm Contact

Name:

Vincent Astorino

Title:

Operations Director

Email:

vincent.astorino@macombgov.org

Phone:

(586) 615-2436

Name of Referenced Project:

Nine Mile Pump Station

Contract No:

WWS-2021-004

Date Services were provided:

2021 -2025 (est.)

Project

Amount:

\$1.5M

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):

Tetra Tech was tasked with design, construction management, and inspection services for the 9 Mile Pump Station project. This was a new 600 cfs pump station which was to be designed around existing infrastructure which made this a very difficult project. Tetra Tech completed the design on time and within budget.

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

Additional Comments (provide additional sheet if necessary):

Tetra Tech has been great to work with and has continued to exceed our expectations while working on projects throughout Macomb County, Michigan.

******THIS SECTION FOR CITY USE ONLY******

Verified via:	Email:	☐	Verbal:	☐	Mail:	☐
Verified by:	Name:				Title:	
	Department:				Date:	

FORM 4

VENDOR REFERENCE FORM

City of Hollywood

Solicitation #:

RFQ-238-24-JJ

Reference for:

DESIGN, CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR THE
INFLUENT PUMP STATION UPGRADE

Organization/Firm Name providing
reference:

Gwinnett County Department of Water Resources

Organization/Firm Contact

Name:

Kris M. Campbell, P.E.

Title:

Deputy Director

Email:

Kristopher.Campbell@gwinnettcounty.com

Phone:

678-376-6751

Name of Referenced Project:

Brooks Road Pump Station Improvements

Contract No:

M0746-69

Date Services were provided:

2020 -2022

Project

Amount:

\$850K

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):

Design, bid phase assistance, and construction administration services associated with a pump station improvements at the Brooks Road Pump Station (10.5 MGD firm capacity). Improvements included I&C updates, installation of a low voltage power system, the replacement of two sets of pumps, and the installation of a third set of pumps.

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

Additional Comments (provide additional sheet if necessary):

Tetra Tech provided professional services that met the level of care required for the subject project.
GCDWR will utilize the services of Tetra Tech on future endeavors.

******THIS SECTION FOR CITY USE ONLY******

Verified via:	Email:	☐	Verbal:	☐	Mail:	☐
Verified by:	Name:				Title:	
	Department:				Date:	

FORM 4

VENDOR REFERENCE FORM

City of Hollywood

Solicitation #:

RFQ-238-24-JJ

Reference for:

DESIGN, CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR THE
INFLUENT PUMP STATION UPGRADE

Organization/Firm Name providing
reference:

City of East Lansing

Organization/Firm Contact

Title:

Name:

Robert Scheuerman

Senior Engineer

Email:

rscheu@cityofeastlansing.com

Phone: 517-337-9459

Name of Referenced Project:

Headworks and Interceptor

Contract No: 2019SRF 5632-01

Date Services were provided:

2015 -2018

Project

Amount: \$2M

Referenced Vendor's role in
Project:

☒ Prime Vendor for Owner

☐ Subcontractor/
Subconsultant

Would you use the Vendor
again?

☒ Yes

☐ No. Please specify in additional
comments

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

Professional consulting engineering services including project planning,
design, bidding, resident inspection, and construction administration.

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

Additional Comments (provide additional sheet if necessary):

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

FORM 4

VENDOR REFERENCE FORM

City of Hollywood

Solicitation #:

RFQ-238-24-JJ

Reference for:

DESIGN, CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR THE
INFLUENT PUMP STATION UPGRADE

Organization/Firm Name providing
reference:

Lexington-Fayette Urban County Government

Organization/Firm Contact

Name:

Robert Peterson, PE

Title:

Remedial Measures Program Manager

Email:

rpeterson@lexingtonky.gov

Phone:

859-425-2438

Name of Referenced Project:

West Hickman Wastewater Treatment
Plant Reliability Upgrades

Contract No:

WH-20

Date Services were provided:

2014 -2020

Project

Amount:

\$2.9M

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):

Tetra Tech provided design, construction management, and inspection services for the project that included 150 MGD Screening facilities, a 70 MGD influent pump station, a 80 MGD wet weather pump station, grit management facilities, upgrades to the non-potable water system, a recycle pump station, and a 22 MG wet weather storage tank.

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

Additional Comments (provide additional sheet if necessary):

Have had multiple successful projects with Tetra Tech and look forward to more projects in the future.

******THIS SECTION FOR CITY USE ONLY******

Verified via:	Email:	☐	Verbal:	☐	Mail:	☐
Verified by:	Name:				Title:	
	Department:				Date:	

Form 14

LIST OF SUBCONTRACTORS

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

	Work to be Performed	Subcontractor's Name / Address
1.	<u>Geotechnical</u>	<u>NV5 14486 Commerce Way, Miami Lakes, FL 33016</u>
	<u>Surveying</u>	<u>Gibbs Land Surveyors 2131 Hollywood Blvd., Suite 204</u>
2.		<u>Hollywood, FL 33020</u>
	<u>Architectural</u>	<u>Red Design Group LLC 1000 S Red Road, Suite 202</u>
3.		<u>West Miami, FL 33144</u>
	<u>Electrical</u>	<u>EDEC, Inc 4120 Chattahoochee Trace, Suite A</u>
4.		<u>Duluth, Georgia 30097</u>
5.		
6.		
7.		
8.		
9.		
10.		

NOTE: Attach additional sheets if required.

- END OF SECTION -



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
09/24/2024

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 BELOW. 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).

PRODUCER Aon Risk Insurance Services West, Inc. Los Angeles CA Office 707 Wilshire Boulevard Suite 2600 Los Angeles CA 90017-0460 USA	CONTACT NAME: PHONE (A/C. No. Ext): (866) 283-7122 FAX (A/C. No.): (800) 363-0105 E-MAIL ADDRESS:																					
INSURED Tetra Tech, Inc. 4601 Sheridan St. Suite #212 Hollywood FL 33021 USA	<table><tr><th colspan="2">INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr><tr><td>INSURER A:</td><td>Safety National Casualty Corp</td><td>15105</td></tr><tr><td>INSURER B:</td><td>American International Group UK Ltd</td><td>AA1120187</td></tr><tr><td>INSURER C:</td><td>Allied World Surplus Lines Insurance Co</td><td>24319</td></tr><tr><td>INSURER D:</td><td></td><td></td></tr><tr><td>INSURER E:</td><td></td><td></td></tr><tr><td>INSURER F:</td><td></td><td></td></tr></table>	INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A:	Safety National Casualty Corp	15105	INSURER B:	American International Group UK Ltd	AA1120187	INSURER C:	Allied World Surplus Lines Insurance Co	24319	INSURER D:			INSURER E:			INSURER F:		
INSURER(S) AFFORDING COVERAGE		NAIC #																				
INSURER A:	Safety National Casualty Corp	15105																				
INSURER B:	American International Group UK Ltd	AA1120187																				
INSURER C:	Allied World Surplus Lines Insurance Co	24319																				
INSURER D:																						
INSURER E:																						
INSURER F:																						

COVERAGES**CERTIFICATE NUMBER:** 570108397077**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.

Limits shown are as requested

INSR LTR	TYPE OF INSURANCE		ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X	COMMERCIAL GENERAL LIABILITY			GL6676804	10/01/2024	10/01/2025	EACH OCCURRENCE	\$2,000,000
		CLAIMS-MADE ☒ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$1,000,000
	X	X, C, U Coverage						MED EXP (Any one person)	\$10,000
		GEN'L AGGREGATE LIMIT APPLIES PER:						PERSONAL & ADV INJURY	\$2,000,000
		POLICY ☒ PRO-JECT ☒ LOC						GENERAL AGGREGATE	\$4,000,000
		OTHER:						PRODUCTS - COMP/OP AGG	\$4,000,000
A		AUTOMOBILE LIABILITY			CA 6676805	10/01/2024	10/01/2025	COMBINED SINGLE LIMIT (Ea accident)	\$5,000,000
	X	ANY AUTO						BODILY INJURY (Per person)	
		OWNED AUTOS ONLY						BODILY INJURY (Per accident)	
		HIRED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	
B	X	UMBRELLA LIAB	X	OCCUR	62785232	10/01/2024	10/01/2025	EACH OCCURRENCE	\$10,000,000
		EXCESS LIAB		CLAIMS-MADE				AGGREGATE	\$10,000,000
		DED ☒ RETENTION \$100,000							
A		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			LDC4068970	10/01/2024	10/01/2025	☒ PER STATUTE ☐ OTHER	
A		ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	Y/N	N/A	AOS	10/01/2024	10/01/2025	E.L. EACH ACCIDENT	\$1,000,000
		If yes, describe under DESCRIPTION OF OPERATIONS below			PS4068969			E.L. DISEASE-EA EMPLOYEE	\$1,000,000
					WI			E.L. DISEASE-POLICY LIMIT	\$1,000,000
C		Environmental Contractors and Prof			03120276	10/01/2024	10/01/2025	Each Claim	\$1,000,000
					Prof/Poll-claims Made Cov			Aggregate	\$1,000,000
					SIR applies per policy terms & conditions				

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Proof of Coverage

CERTIFICATE HOLDER**CANCELLATION**

CERTIFICATE HOLDER Tetra Tech, Inc. 4601 Sheridan St, Ste 212 Hollywood FL 33021 USA	CANCELLATION 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 <i>Aon Risk Insurance Services West, Inc.</i>
--	--

Holder Identifier : 179

Certificate No : 570108397077

Per question 17 of Q&A: Tab H: Financial Resources; this form has not been submitted based upon the City's response that the form is not applicable.

17. Proposal Form 4.7 Oct 30 2024 at 1:53 PM

	Anonymous Oct 30 2024 at 1:53 PM <i>User information is private</i> This Proposal form appears to be for a contractor. Are we to submit this form?
	Nov 26 2024 at 5:20 PM City of Hollywood The form is not applicable.

PROPOSAL

TO THE MAYOR AND COMMISSIONERS
CITY OF HOLLYWOOD, FLORIDA

SUBMITTED _____

Dear Mayor and Commissioners:

The undersigned, as BIDDER, hereby declares that the only person or persons interested in the Proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this Proposal or in the Contract to be entered into; that this Proposal is made without connection with any other person, company or parties making a Bid or Proposal; and that it is in all respects fair and in good faith without collusion or fraud.

The BIDDER further declares that he has examined the site of the Work and informed himself fully in regard to all conditions pertaining to the place where the Work is to be done; that he has examined the Drawings and Specifications for the Work and contractual documents relative thereto, including the Notice to Bidders, Instructions to Bidders, Proposal Bid Form, Form of Bid Bond, Form of Contract and Form of Performance Bond, General, Supplementary and Technical Specifications, Addenda, Drawings, and Local Preference Program, Exhibit A, and has read all of the Provisions furnished prior to the opening of bids; and that he has satisfied himself relative to the work to be performed.

The undersigned BIDDER has not divulged to, discussed or compared his bid with other bidders and has not colluded with any other BIDDER of parties to this bid whatever.

If this Proposal is accepted, the undersigned BIDDER proposes and agrees to enter into and execute the Contract with the City of Hollywood, Florida, in the form of Contract specified; of which this Proposal, Instructions to Bidders, General Specifications, Supplementary Conditions and Drawings shall be made a part for the performance of Work described therein; to furnish the necessary bond equal to one hundred (100) percent of the total Contract base bid, the said bond being in the form of a Cash Bond or Surety Bond prepared on the applicable approved bond form furnished by the CITY; to furnish all necessary materials, equipment, machinery, tools, apparatus, transportation, supervision, labor and all means necessary to construct and complete the work specified in the Proposal and Contract and called for in the Drawings and in the manner specified; to commence Work on the effective date established in the "Notice to Proceed" from the ENGINEER; and to substantially complete all Contract Work within _____ days with final completion within _____ days, and stated in the "Notice to Proceed" or pay liquidated damages for each calendar day in excess thereof, or such actual and consequential damages as may result

therefrom, and to abide by the Local Preference Ordinance, Exhibit A.

The BIDDER acknowledges receipt of the any and all addenda.

And the undersigned agrees that in case of failure on his part to execute the said Contract and the Bond within ten (10) days after being presented with the prescribed Contract forms, the check or Bid Bond accompanying his bid, and the money payable thereon, shall be paid into the funds of the City of Hollywood, Florida, otherwise, the check or Bid Bond accompanying this Proposal shall be returned to the undersigned.

Attached hereto is a certified check on the

_____ Bank of _____

or approved Bid Bond for the sum of

_____ Dollars (\$) according to the conditions under the Instructions to Bidders and provisions therein.

NOTE: If a Bidder is a corporation, the legal name of the corporation shall be set forth below, together with signature(s) of the officer or officers authorized to sign Contracts on behalf of the corporation and corporate seal; if Bidder is a partnership, the true name of the firm shall be set forth below with the signature(s) of the partner or partners authorized to sign Contracts in behalf of the partnership; and if the Bidder is an individual, his signature shall be placed below; if a partnership, the names of the general partners.

WHEN THE BIDDER IS AN INDIVIDUAL:

(Signature of Individual)

(Printed Name of Individual)

(Address)

WHEN THE BIDDER IS A SOLE PROPRIETORSHIP OR OPERATES UNDER A TRADE NAME:

(Name of Firm)

(Address)

_____(SEAL)

(Signature of Individual)

WHEN THE BIDDER IS A PARTNERSHIP:

(Name of Firm) A Partnership

(Address)

By: _____
(SEAL)
(Partner)

Name and Address of all Partners:

WHEN THE BIDDER IS A JOINT VENTURE:

(Correct Name of Corporation)

By: _____ (SEAL)
(Address)

(Official Title)

As Joint Venture
(Corporate Seal)

Organized under the laws of the State of _____, and authorized by the law to make this bid and perform all Work and furnish materials and equipment required under the Contract Documents.

WHEN THE BIDDER IS A CORPORATION:

(Correct Name of Corporation)

By: _____

(SEAL)

(Official Title)

(Address of Corporation)

Organized under the laws of the State of _____, and authorized by the law to make this bid and perform all Work and furnish materials and equipment required under the Contract Documents.

CERTIFIED COPY OF RESOLUTION OF
BOARD OF DIRECTORS

(Name of Corporation)

RESOLVED that _____
(Person Authorized to Sign)

_____ of
(Title) (Name of Corporation)

be authorized to sign and submit the Bid or Proposal of this corporation for the following project:

[Project name]
[Project Number]
Bid No. IFB-xxxxxxx

The foregoing is a true and correct copy of the Resolution adopted by

_____ at a meeting of its Board of
(Name of Corporation)

Directors held on the _____ day of _____, 20____.

By: _____

Title: _____

(SEAL)

The above Resolution MUST BE COMPLETED if the Bidder is a Corporation.

- END OF SECTION -