

THE AMERICAN INSTITUTE OF ARCHITECTS



AIA Document A310

Bid Bond

KNOW ALL MEN BY THESE PRESENTS, that we

RF Environmental Services, Inc.

(Here insert full name and address or legal title of Contractor)

4840 NE 11th Avenue, Oakland Park, FL 33334

as Principal, hereinafter called the Principal, and

(Here insert full name and address or legal title of Surety)

Fidelity and Deposit Company of Maryland

1299 Zurich Way, Schaumburg, IL 60196-1056

a corporation duly organized under the laws of the State of Maryland

as Surety, hereinafter called the Surety, are held and firmly bound unto

City of Pembroke Pines

8300 South Palm Drive, Pembroke Pines, FL 33025

as Obligee, hereinafter called the Obligee, in the sum of ----- Five Percent of Amount Bid -----

Dollars (\$ ---5%---)

for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, The Principal has submitted a bid for

(Here insert full name, address and description of project)

IFB # PSUT-18-09; NEW LIME SLAKING SYSTEM FOR THE WATER TREATMENT PLANT

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this 18th

day of December, 2018

William Davis

(Witness)

RF Environmental Services, Inc.

(Principal)

(Seal)

Thaddeus Buckley, President

(Title)

Fidelity and Deposit Company of Maryland

(Surety)

Robert A. Wing, Jr.

(Witness)

Allyson Foss

(Title)

Attorney-In-Fact &

Florida Licensed Resident Agent

Inquiries: (321) 800-6594

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Maryland, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Maryland (herein collectively called the "Companies"), by **MICHAEL BOND, Vice President**, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **Allyson FOSS and Jorge BRACAMONTE, both of Winter Park, Florida, EACH** its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said **ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND**, this 13th day of December, A.D. 2017.

ATTEST:

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND**



By:

Dawn E. Brown

*Assistant Secretary
Dawn E. Brown*

Michael Bond

*Vice President
Michael Bond*

State of Maryland
County of Baltimore

On this 13th day of December, A.D. 2017, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **MICHAEL BOND, Vice President, and DAWN E. BROWN, Assistant Secretary**, of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, depose and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Constance A. Dunn

Constance A. Dunn, Notary Public
My Commission Expires: July 9, 2019





Mandatory Pre-Bid/Site Visit Confirmation Form

The scanned form, signed by both the Contractor and City Representatives must be uploaded in order for the bid to be considered complete.

THOMAS BUCKLEY, who is a representative of
(Printed name of Contractor's representative)

PF ENVIRONMENTAL SERVICES, INC. PERSONALLY came and appeared
(Contractor's Company)

before me and affirms that they have completed the mandatory pre-bid/site visit on this the

10th day of December, 20 18 as required by:

Solicitation #:

Solicitation Title: LIME SLAKE #3 Replacement

THOMAS BUCKLEY
(Contractor Representative's Printed Name)

[Signature]
(Contractor Representative's Signature)

PF ENVIRONMENTAL SERVICES, INC.
(Contractor's Company)

(954) 605-6711
(Contractor's Phone Number)

12/10/2018
(Date)

PAUL THOMPSON
(City Representative's Printed Name)

[Signature]
(City Representative's Signature)

UTILITIES
(City Representative's Department)

954-518-9097
(City Representative's Phone Number)

12/10/2018
(Date)

The City requires all questions to be submitted via the BidSync website. Such request must be received by the "Question Due Date," questions received after the "Question Due Date" shall not be answered. Interpretations or clarifications in response to such questions will be issued via BidSync. The issuance of a response via BidSync is considered an Addendum and shall be the only official method whereby such an interpretation or clarification will be made.

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000

VALID OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019

DBA:
Business Name: MILAN CONSTRUCTION & REAL ESTATE

Receipt #: 180-275956
Business Type: GENERAL CONTRACTOR

Owner Name: THADDEUS BUCKLEY
Business Location: 4324 NE 21 AVE
FT LAUDERDALE

Business Opened: 03/18/2016
State/County/Cert/Reg: CGC1518671
Exemption Code:

Business Phone: 954-605-6711

Rooms

Seats

Employees
2

Machines

Professionals

For Vending Business Only						
Number of Machines:			Vending Type:			
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
27.00	0.00	0.00	2.70	0.00	0.00	29.70

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT

WHEN VALIDATED

This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.

Mailing Address:

MILAN CONSTRUCTION & REAL ESTATE
4324 NE 21 AVE
FORT LAUDERDALE, FL 33308

Receipt # 02A-18-00000488
Paid 10/29/2018 29.70

2018 - 2019



Thad Buckley, President

Mr. Buckley has more than 20+ years of construction and engineering experience including work on water and wastewater treatment facilities, commercial and industrial HVAC and plumbing projects, and heavy duty industrial mechanical installations. Mr. Buckley has been responsible for the procurement and execution of water and wastewater treatment projects utilizing the Hard-Bid, CMAR and Design-Build delivery methods. By utilizing his knowledge and expertise in business and project development, estimating, design, start-up, testing and commissioning, and overall quality control for designing, estimating, construction, Mr. Buckley has procured and completed some of the most complex projects in the state. Mr. Buckley has had complete project responsibility for some of the most involved and technically challenging projects throughout Florida, from the largest membrane softening water treatment plant in the United States at 40-mgd to the installation of over 15,000 feet of 20"/24" steel pipe in the tarmac at Miami International Airport. Mr. Buckley has also served as the project executive for multiple, large scale, projects throughout the Tri-County area.

PERSONAL STATEMENT

"As a result of my tenure working for municipalities in the Tri-County area, I have developed long-standing relationships with many of the County's and City's construction and engineering staff. I understand and can exceed their expectations for project delivery."

OFFICE LOCATION

Miami & Fort Lauderdale, FL

EDUCATION

BS, Mechanical Engineering,
National University of
Florida, 1996

LICENSES/ REGISTRATIONS

Certified General
Contractor – FL,
#CGC1518671

Certified Mechanical
Contractor – FL,
#CMC1250334

Certified Plumbing
Contractor – FL,
#CFC1429319

Certified Pollutant Storage
Contractor – FL,
#PCC 1256939

MEMBERSHIPS/ AFFILIATIONS

Designated DBIA
Professional

Construction Association of
South Florida

Association of General
Contractors of America

Previous Relevant Work Experience

MWH Constructors, Inc., Florida Regional Manager (2012-2016)

While with MWH Constructors, Inc., Mr. Buckley helped establish the Company's "Hard-Bid" and "Self-Perform" capabilities. With MWHC's main office located in Broomfield, CO, it was Mr. Buckley's responsibility to establishing their Florida based estimating, project management, field staff and "self-perform" teams. These initial efforts culminated in the Award and Substantial Completion of the MWHC's first "Hard-Bid - at Risk" construction project in the Company's history. Mr. Buckley also acted as the Company's general construction, mechanical and plumbing qualifier for the work in Florida.

Poole and Kent, Inc., Vice President (1996-2012)

Mr. Buckley started his professional construction career after graduation from the University of Florida with Poole and Kent as an assistant project manager working at Miami-Dade County's Central District Waste Water Treatment Plant. Having worked there for 16 years Mr. Buckley performed every job required at Poole and Kent from clerk to chief project estimator, and from superintendent to project executive. During this time at Poole and Kent Mr. Buckley gained valuable experience in both general construction and mechanical cost estimating; and the detailed bidding requirements specific to the municipal water & wastewater treatment sector, including insurance and indemnification requirements and standards, bond requirements and construction risk allocation, and scheduling.

Relevant Project Experience

Project Executive, South District WWTP Cogeneration Facility Improvements, Miami-Dade Water & Sewer Department, Miami, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of project managers and engineers during the RFQ, RFP, Design & Construction phases of the project. He produced initial and final cost estimates and managed the proposal, design, purchasing and coordination of all major design, process equipment and subcontractor packages. This included design service agreements in the amount of \$2M, cogeneration system equipment package worth \$4M and a \$3.5M electrical system subcontract agreement. He was also directly responsible for assembling the design and construction

teams on this project. After completing the design phase, he turned over day-to-day operations of the construction activities to the on-site project management team. This \$20M project entailed the upgrade to the existing Cogeneration System at the South District WWTP including design, permitting, supply, fabrication/installation of (5) new cogeneration units and associated 5kV electrical systems, as well as combustion gas pre-treatment systems, exhaust and engine cooling water heat recovery systems for the digested sludge treatment process and the combustion air cooling through the use of an absorption chiller and hot oil recirculation.

Project Executive, South District WWTP HLD Upgrade to 285-mgd Filter System, Miami-Dade Water & Sewer Department, Miami, FL

Mr. Buckley, as part of the executive bid team on this project, performed the pre-bid estimating for all of the wastewater treatment plant process equipment on this project. Then after contract award, acting as a project executive purchased, coordinated and scheduled the delivery all major process equipment for this project, including: (16) 200 hp Backwash Pumps, (7) 500 hp blowers, (12) mixers, switchgear, transformers, MCCs, (161) 24-inch motor operated control valves, (35) flow meters, (43) level transmitters, and multiple local control panels, and the process instrumentation package. These responsibilities included negotiating subcontract and purchase order terms and conditions with both contractor selected and Owner "sole-source" vendors and subcontractors, assuring that Miami-Dade County contract requirements were including in all subcontractor and vendor agreements. This \$135M project, part of the \$628M high-level disinfection project currently underway at the South District WWTP, entailed the construction of one of the largest deep bed sand filter systems in the US.

Project Executive, South District WWTP Fat, Oil & Grease Septage Facility, Miami-Dade Water & Sewer Department, Miami, FL

Mr. Buckley, as part of the executive bid team on this project, performed the pre-bid estimating for all of the wastewater treatment plant process equipment on this project. After contract award, he acted in a project executive role and purchased, coordinated, and scheduled for delivery all major process equipment for this project, including: grit pumps, overflow & flushing water pumps, slide, weir & sluice gates, submersible pumps, grit classifiers, mechanical bar screens, odor control systems, chemical systems, motor operated control valves, flow meters, level transmitters, local control panels, and the process instrumentation package.

Project Executive, Belle Glade Wastewater Treatment Plant Improvements, Glades Utility Authority, Belle Glade, FL

Mr. Buckley led this effort in a Principal-in-Charge and Lead Estimator capacity by managing the team of project managers, field staff and estimators. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. This \$1.6M project includes the installation of bar screen covers, oxidation ditch splash guards, sodium hypochlorite feed system and piping, automatic slide gate and fencing; the modifications of the headworks piping, deep injection well effluent piping, weir; and purchase of outdoor refrigerated samples, WAS pumps, and sludge pumps.

Project Executive, Hollywood Water Treatment Plant Electrical Power Generator System Expansion, Hollywood, Florida

This \$1.7 million project entails the construction of expansion of the generator system at the existing water treatment plant. Mr. Buckley produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. The contract includes the installation of a new 1500 kW, 13.2 kV diesel engine generator set in the existing Generator Building, modifications to the existing switchgear, low voltage MCC, and generator control system; the installation of new component panels for the existing generator section and a new door/panel for the master control section; modifications to existing SCADA systems; installation of a new fuel supply system, new engine cooling system and insulated piping; and removal of modified bitumen roofing and replacing with a new EPDM membrane roofing system.

Project Executive, Hollywood Water Treatment Plant Membrane Replacement, Hollywood, Florida

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing the team of project managers and field staff. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. This \$1.7M project entails the removal and replacement of the nano-filtration membrane elements in the seven existing membrane softening trains at the existing water treatment plant.

Project Executive, Wastewater Repump Stations A, B & E Rehabilitation, City of Fort Lauderdale, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of four project managers and field staff which were charged with completion of all of the City of Fort Lauderdale work being completed concurrently at the time. In this role Mr. Buckley was a key factor in keeping all these projects on schedule and under budget by mitigating subcontractor and vendor claims and changes orders to the fullest extent possible. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. This \$11.7M project entailed the rehabilitation of three re-pump stations for the City of Fort Lauderdale. All electrical and mechanical equipment was replaced and upgraded including generators. All wastewater ductile iron pipelines associated with each respective pump station were replaced as well. A bypass system was installed to help manage the system flow at each pump station. Each station required a system shutdown to install the ductile iron pipe required during the allotted time frame. Major equipment for this project included: four 450 hp horizontal non-clog pumps, one 2,000 kw diesel-electric generator, one 900 kw diesel-electric generator, one 8,000 gallon above-ground fuel storage tank, four 250 horizontal non-clog pumps, three 60 hp horizontal non-clog pumps, four 160 V VFDs, and seven 480 V VFDs.

Project Executive, G.T. Lohmeyer WWTP Pumping System Improvements, City of Fort Lauderdale, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of four project managers and field staff which were charged with completion of all of the City of Fort Lauderdale work being completed concurrently at the time. In this role Mr. Buckley was a key factor in keeping all these projects on schedule and under budget by mitigating subcontractor and vendor claims and changes orders to the fullest extent possible. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. This \$12.5M project entailed the following: replacement and upgrade of all field instrumentation, the replacement of the 750 kva generator with a new 1,200 kva generator and motor control center, and upgrade the fuel storage tank to current Building Code standards. At Pump Station No. 1, P&K replaced three 10-inch sewage pumps with three 10-inch horizontal sewage pumps. At Pump Station No. 2, P&K replaced three sewage pumps with three 8" vertical pumps. At Pump Station No. 3, P&K replaced all three 6-inch sewage pumps with three 6-inch vertical pumps. At the dewatering building, P&K replaced all eight sludge pumps with new 6-inch sludge pumps. At the Effluent Pump Station, P&K replaced all three non-potable water pumps.

Project Executive, Waste Management CNG Fueling Facility, Waste Management, Pompano Beach, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing the team of project managers, estimators and field staff. He produced initial and final cost estimates, negotiating the contract with the prime contractor who was working for Waste Management. During construction he managed purchasing, coordination of all major equipment and subcontractor packages and performed general project oversight through all phases of construction. This \$1.7M design-build project included the installation of a new water main under the existing truck parking area. Additionally, the project requires the installation of a new compressed natural gas system including equipment, piping, and remote fueling stations for mechanical, electrical and civil systems.

Project Executive, Peele-Dixie Membrane Plant, City of Fort Lauderdale, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of four project managers which were charged with completion of all of the City of Fort Lauderdale work being completed concurrently at the time. In this role Mr. Buckley was a key factor in keeping all these projects on schedule and under budget by mitigating subcontractor and vendor claims and changes orders to the fullest extent possible. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight

through all phases of construction. This \$27.3M project entailed the construction of the 12-mgd membrane softening water treatment facility at the existing plant which was built in 1926. In addition to the membrane facility, the project involved building generator and chemical buildings and installed four membrane process skid units each with 77 pressure vessels. The major components of the work included the installation of one 300 hp variable speed membrane feed pump, four raw water cartridge filters, a new high service pump station with five 250 hp vertical turbine high service pumps, three 60 hp transfer pumps, a new chemical tank farm, a metering pump building, and two 1750 kva emergency diesel generators.

Project Executive, Southern Regional WWTP Oxygen System Upgrade, City of Hollywood, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of project managers and engineers during the RFQ, RFP, Design & Construction phases of the project. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. Mr. Buckley also played a key role in keeping all the projects on schedule and under budget by mitigating subcontractor and vendor claims and changes orders to the fullest extent possible. This \$10M design-build project rehabilitated the existing 64 TPD oxygen generation system for the City of Hollywood. The scope of the project included the preliminary and final design, permitting, and construction of the following project components: replacements of the dual 1,250 hp air compressors with three 900 hp units; rehabilitation of two existing LOX storage tanks and piping; rehabilitation of existing cryogenic oxygen generation system; installation of three new ambient air vaporizers, new instrument air compressor, and new instrument air piping; replacement of various piping systems with carbon steel, PVC, 316 stainless steel, and monel stainless steel, and miscellaneous site work. This project required meticulous up-front planning and scheduling, as well as extremely close coordination with the plant operating staff as the SRWWTP is an operating facility.

Project Manager, Fiveash Water Treatment Plant Upgrades – Phase 1, Ft. Lauderdale, FL. – Work included installation of (4) new lime slakers for confirmation contact George Brown with Hazen and Sawyer (954) 987-0066, gbrown@hazenandsawyer.com.

This \$12.5 million project upgraded the entire water treatment plant's instrumentation and control system from the existing pneumatic control system to the state-of-the-art PLC and fiber optic control system. This required the replacement of more than 250 automatic control valves and the associated piping throughout the water treatment plant, including (11) on each of the (22) existing gravity filters. The project also involved replacing the main plant's core control system, installing four new lime slakers with new controls and instrumentation, two 200 HP high service pumps, new polymer distribution system with four new polymer feed pumps, a new lime sludge thickening tank with three submersible pumps, a new aqueous ammonia storage tank and pump building with two 10,000 gallon steel storage tanks and four metering pumps, and miscellaneous valves and control upgrades throughout the plant.

Project Manager, Fiveash Water Treatment Plant Filter Rehabilitation, Ft. Lauderdale, FL.

This \$2.4 million project entailed the rehabilitation of six of the existing (22) filters at the Fiveash Water Treatment Plant under the WaterWorks 2011 program. During the completion of the contract work, the City of Fort Lauderdale increased our scope of work from six to ten filters. Each of the ten filter rehabilitations included removal of the existing filter internals, including the underdrain system, media and surface wash piping. The inside concrete surfaces of all rehabilitated filters were refinished and prepared for the new underdrain and media installation. A new 316 stainless steel surface wash system was installed in each filter, and each pair of rehabilitated filters was tested, disinfected, and placed back into operational service within six weeks of being taken out of service.

Project Manager, Glades Road WTP 40-mgd Membrane Softening Process Addition, Boca Raton, FL.

This \$49.6 million project included the construction of a 40-mgd Membrane Softening Water Treatment Facility which included the installation of degasifiers, odor control system, and three 1.5 mW generators. To this date this facility remains one of the largest nano-filtration water treatment facilities in the world, having (12) membrane process skid units each with 96 pressure vessels and one 200 HP variable speed membrane feed pump. Also included under the scope of construction for this project was (4) raw water pressure filters rated for a total flow of 47-mgd, a new raw water booster pump station with (6) 250 HP constant speed pumps, a new high service pump station with (2) new dual drive high service pumps rated at

700 HP and 1200 HP, (3) new 100 HP vertical turbine transfer pumps, a new chemical tank farm and metering pump building, a new generator and switchgear building.

Project Manager, G.T. Lohmeyer WWTP Effluent Pump Station, Ft. Lauderdale, FL.

This \$6.2 million project required the replacement of five deep well injection pumps. This project was particularly challenging as there was no effective way to isolate the wastewater treatment plant from the effluent pump station, as such all work during scheduled shut-downs had to be closely coordinated at night during low-flow conditions and could not exceed (4) hours. Construction consisted of the following elements: installation of two 1,250 HP – 15,200 GPM and three 1,750 HP – 22,800 GPM, 4,160 volt electric non-clog centrifugal pumps a new effluent pump control system, including new PLC's; wet well level controls, MMI systems and software, and a state-of-the-art pump monitoring system, measuring four temperatures and four vibration readings on each pump and motor. The project involved constructing a new electrical service distribution system for the new pumps, including a FPL vault, VFD control room, and all required HVAC systems

Project Manager, Glades Road Sodium Hypochlorite Generation System, Boca Raton, FL.

This \$4 million project included the following: demolition of the existing chlorine gas storage, handling and feed systems; rehabilitation of the existing chlorine storage area and chlorinator room; modifications to receive the new on-site generation and feed equipment; two 70-ton salt/brine tanks each equipped with a salt truck off-loading station and brine make-up water softener system; three 1,500 pound per day (ppd) electrolytic on-site sodium hypochlorite generation units; five 18,500 gallon sodium hypochlorite solution storage tanks; and six hypochlorite metering pumps (each equipped with variable frequency drives); and all associated sitework, yard piping, electrical, instrumentation, and controls improvements.

Additional Project Manager Experience:

Glades Road Wastewater Treatment Plant Sludge System Improvements, Boca Raton, Florida, 2003

Springtree Water Treatment Plant, Sunrise, Florida, 1998 **Work included installation of (3) new lime slakers for confirmation contact Albert Perez with Brown & Caldwell (954) 554-7178.**

9th Street Pump Station Improvements, Miami, Florida, 1998

Central District WWTP Oxygenation Generation, Miami, Florida, 1996

Central District WWTP Odor Control Facility No. 5, Miami, Florida, 1996

Bal Harbour Pumping Station, Miami, Florida, 1997

Alexander Orr WTP Softening Modifications, Miami, Florida, 1997

World Ford, Hollywood, Florida, 1999

Broward County Libraries Energy Conservation and Ice Storage Facility, Broward County, Florida, 1999

Miami International Airport Concourse "E" Satellite Extension Tunnel and Utility Corridor, Miami, Florida, 1999

Miami International Airport Concourse "J", Miami, Florida, 2000

Miami International Airport South Terminal Expansion, Miami, Florida, 2000

Thad Buckley

From: Brown, George A. <gbrown@hazenandsawyer.com>
Sent: Wednesday, November 8, 2017 11:38 AM
To: Thaddeus Buckley
Subject: RE: George Brown Quote

Thad-

George A. Brown, PE "I was the design engineer for the City of Fort Lauderdale's \$12 million Fiveash WTP Upgrades - Phase 1 project. This project was constructed from 2005 to 2007. Thad Buckley was the Project Manager with Poole & Kent, Co. for the construction of project, which included about 1,000 feet of schedule 80 painted steel piping to convey aqueous ammonia. The piping was designed with welded joints and fittings. Mr. Buckley proposed bending of the pipe to eliminate some of the welded fittings, which was accepted as an improvement to the piping design. I recently designed improvements to certain highly difficult-to-access piping at the City of Fort Lauderdale's Fiveash WTP Hydrotreaters 3 and 4. RF Environmental Services, Inc. was awarded the project; construction is nearly complete as of November 2017. Mr. Buckley has been diligent and responsive in constructing this difficult project."

George A. Brown, PE

Senior Associate | Hazen and Sawyer
4000 Hollywood Blvd., Suite 750N, Hollywood, FL 33021 USA
+1 954 987-0066 (main) | +1 954 612-1578 (cell)
gbrown@hazenandsawyer.com | hazenandsawyer.com



Ref: Reference Letter – RF Environmental Services, Inc.

Date: November 21, 2017

City of Fort Lauderdale – Fiveash WTP, Hydrotreater #3 & #4 Influent Piping Modifications

To Whom It May Concern:

RF Environmental Services, Inc. successfully completed the work associated with the new influent piping modifications on Hydrotreater 3 & 4 at the City of Fort Lauderdale's, Fiveash WTP. The project scope included removal and replacement of the existing 30" DIP influent piping, butterfly valves and Magnetic Flow Meters, new cast-in-place concrete vault elevated slabs and excavation of the existing Hydrotreater Influent Piping.

The excavation of the existing piping between the influent vault and the Hydrotreaters was particularly challenging, the contractor utilized the unique method of chemical grouting the deep areas of excavation to prevent the undermining of the existing structures and minimize the amount of dewatering required. Also, the contractor provided all associated start-up and process equipment disinfection (Lime Softening Units & Piping).

In addition, as CEO of RF Environmental Service, Inc., Mr. Buckley's years of experience proved to be a valuable resource in helping the City mitigate several significant unforeseen conditions on the project. Mr. Buckley was personally involved with this project daily, attending all meetings and coordination the work of his field staff. As such I would recommend RF Environmental Services, Inc. to other water and wastewater construction customers and would not hesitate to use them again on future City of Fort Lauderdale projects.

If you have any questions or would like further details please do not hesitate to contact me at 954-828-5064.

Omar Castellon, P.E., ENV SP

Assistant City Engineer

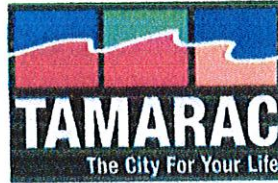
PUBLIC WORKS DEPARTMENT

100 N ANDREWS AVENUE, FORT LAUDERDALE, FLORIDA 33301

TELEPHONE (954) 828-5772, FAX (954) 828-5074

WWW.FORTLAUDERDALE.GOV

**PUBLIC SERVICES
DEPARTMENT
UTILITIES**



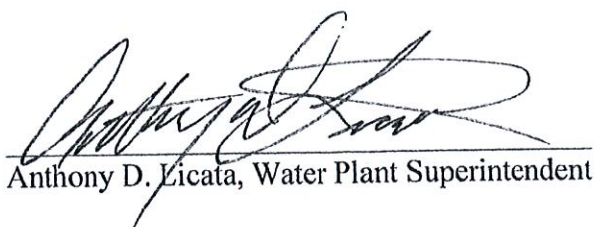
Ref: Reference Letter – RF Environmental Services, Inc.

To Whom It May Concern:

RF Environmental Services, Inc. successfully completed the installation of the new (8) MGD Greenleaf Filter Underdrain System at the City of Tamarac Water Treatment Plant. The project scope included the following: removal and replacement of the existing underdrain system and filter media, recoating the interior of the existing filters and all associated metal repair work, start-up and filter disinfection.

In addition, as CEO of RF Environmental Service, Inc., Mr. Buckley provided hands on customer service, stopping by daily and paying attention to the operational needs of water treatment plant staff as RF Environmental Services completed the project. In my dealings with RF Environmental Services, Inc. (Mr. Buckley, CEO) they understand the technical aspects of water treatment plant construction and would not hesitate to use them on future projects and recommend them to other water service providers for their construction needs.

If you have any questions or would like further details, please contact me at (954) 597-3775 or anthony.licata@tamarac.org.



Anthony D. Licata, Water Plant Superintendent

11/13/2017
Date

"Committed to Excellence...Always."

TAMARAC.ORG

10101 State Street | Tamarac, Florida 33321-6428 | P: 954.597.3750 | F: 954.597.3760

EQUAL OPPORTUNITY EMPLOYER



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

BUCKLEY, THADDEUS R

MILAN CONSTRUCTION & REAL ESTATE
9301 SW 104TH CT
MIAMI FL 33176

LICENSE NUMBER: CGC1518671

EXPIRATION DATE: AUGUST 31, 2020

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RICK SCOTT, GOVERNOR

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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

THE PLUMBING CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

BUCKLEY, THADDEUS R

MILAN CONSTRUCTION & REAL ESTATE
9301 SW 104TH CT
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DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

THE MECHANICAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

BUCKLEY, THADDEUS R

MILAN CONSTRUCTION & REAL ESTATE
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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

THE POLLUTANT STORAGE SYSTEMS CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

BUCKLEY, THADDEUS R

MILAN CONSTRUCTION & REAL ESTATE
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On-Going & Completed Project Experience & Reference List

Updated 12/17/2018 23:41

Project Name	Owner	Address	Contract Contact	Email Address	Phone #	Nature of Work	X	% Complete	Orig. Days	Final Days	Orig. \$	Current / Final \$	Date Complete
Broward County WTP 1A & 2A Treatment Unit #2 Rehabilitation	Broward County	2555 W Copans Road, Pompano Beach FL	Oscar Asgar	oasgar@broward.org	954-831-0983	Sitework, Concrete & Install (2) Pre-Fabricated Air Monitoring Stations		5%	240	-----	1,858,010	1,858,010	N/A
SDWWTP - CCC Gate Replacment	Miami-Dade County	8950 SW 232 Street	Don Miller, Daniel Lizarazo	don.miller@miamidade.gov , Daniel.Lizarazo@miamidade.gov	Don 717-461-0779; Daniel 305-205-0902	Remove & Replace (11) 60" Rodney Hunt Cast Iron Sluice Gates		100%	262	320	946,917	946,917	11/30/2018
SDWWTP - Effluent Wet Well #1 & #2	Miami-Dade County	8950 SW 232 Street	Don Miller, Daniel Lizarazo	don.miller@miamidade.gov , Daniel.Lizarazo@miamidade.gov	Don 717-461-0779; Daniel 305-205-0902	Replaced All Mech Piping & (2) 48" BFV Seals		100%	120	120	412,000	412,000	5/30/2018
GT Lohmeyer WWTP Effluent Pump #1, #4 & #5 Rehab. & Check Valve Replacement	City of Fort Lauderdale	1765 SE 18th St	Justin P. Murray	JMurray@FortLauderdale.gov	954-828-4122	Removal & Replace (2) 1250 HP & (1) 1750 HP Effluent Pump Rotating Mechanisms & 36" Check Valves		100%	240	240	570,000	620,703	9/7/2018
Sodium Hypo & CO2 Injection System	City of Pembroke Pines	8300 S Palm Drive	David Stambaugh	dstambaugh@cgasolutions.com	561-681-5271	Installation of New CO2 Syetem & New Sodium Hypochlorite Feed System		85%	270	330	1,828,640	1,828,640	N/A
Broward County Air Stations #1 & #25	Broward County	115 S Andrews Ave	Juan Cacasus	lcatasus@broward.org	954-3576177	Sitework, Concrete & Install (2) Pre-Fabricated Air Monitoring Stations		75%	120	-----	514,900	514,900	N/A
Greenleaf Filter Replacement	City of Tamarac	10101 State St	Anthony Licata	Anthony Licata <Anthony.Licata@tan12.com>	954-597-3777	Replace Existing Filter UD and Media		100%	120	210	529,000	662,000	1/30/2018
Hydrotreator #3 & #4	City of Fort Lauderdale	100 N. Andrews Ave	Omar Castellon	12/, CAIza@fortlauderdale.gov	954-828-5064	Replace Existing Meters & Valves		100%	270	390	399,000	544,401	2/15/2018
20" & 16" Bermad Valve Rehabilitation & Replacement	City of Port St. Lucie	10700 Glades Cut-Off	Robert Whritenhour	robert.whritenour@fc-spec.com	(407) 579-5000	Rehab (6) & Replace (1) 16" & 20" Bermard Control Valve & WWTP		100%	60	60	75,000	75,000	2/7/2017
Replacement of 90" BFV North District WWTP	Miami-Dade Water & Sewer Department	2575 NE 156 St, North Miami 33160	Robert Whritenhour	robert.whritenour@fc-spec.com	(407) 579-5000	Replaced Existing 90" BFV on Main Ocean Outfall - Install Labor & Equipment - Owner Furnished Materials		100%	360	360	100,000	100,000	7/30/2016
Relocation of 48" Plug Valve	Miami-Dade Water & Sewer Department	3800 NW 180th Street, Opa Locka 33055	Robert Whritenhour	robert.whritenour@fc-spec.com	(407) 579-5000	Service Contract for OEM		100%	120	120	60,000	60,000	5/30/2016
WTP#2 Filter Replacement	Palm Beach County	Pineherst Drive, Lake Worth	Vince Riccobono		(561) 493-6143	New 18 MGD Sand & Anthrecite Filters	X	100%	720	900	13,900,000	14,500,000	
South District WWTP Cogeneration Improvements - Design-Build	Miami-Dade Water & Sewer Department	SDWWTP - Miami FL	Humberto Codespodi		(305) 274-9272	See Attached Detail CV - Thad Buckley	X	100%	720	720	19,500,000	21,500,000	
South District WWTP HLD Upgrade to 285-mgd Filter System	Miami-Dade Water & Sewer Department	SDWWTP - Miami FL	TJ Potok		(305) 274-9272	See Attached Detail CV - Thad Buckley	X	100%	1800	1440	135,000,000	127,000,000	
South District WWTP Fat, Oil & Grease Septage Facility	Miami-Dade Water & Sewer Department	SDWWTP - Miami FL	TJ Potok		(305) 274-9272	See Attached Detail CV - Thad Buckley	X	100%	720	800	17,000,000	16,800,000	
Belle Glade Wastewater Treatment Plant Improvements	Palm Beach County	Belle Glade, FL	Jackie Michaels		(561) 493-6000	See Attached Detail CV - Thad Buckley	X	100%	540	600	1,650,000	1,699,000	
Hollywood Water Treatment Plant Electrical Power Generator System Expansion	City of Hollywood	Hollywood WTP - Hollywood Blvd - FL	Jetu Petel		(954) 921-3930	See Attached Detail CV - Thad Buckley	X	100%	540	540	1,750,000	1,710,000	
Hollywood Water Treatment Plant Membrane Replacement	City of Hollywood	Hollywood WTP - Hollywood Blvd - FL	Jetu Petel		(954) 921-3930	See Attached Detail CV - Thad Buckley	X	100%	360	300	1,700,000	1,752,000	
Wastewater Repump Stations A, B & E Rehabilitation	City of Fort Lauderdale	Various Locations	Walt Schwartz		(954) 426-6311	See Attached Detail CV - Thad Buckley	X	100%	720	720	11,000,000	11,256,000	
G.T. Lohmeyer WWTP Pumping System Improvements	City of Fort Lauderdale	Eisenhower Blvd	Walt Schwartz		(954) 426-6311	See Attached Detail CV - Thad Buckley	X	100%	720	800	8,300,000	8,670,000	
Waste Management CNG Fueling Facility, Waste Management	Waste Management	Pompanp Beach, FL				See Attached Detail CV - Thad Buckley	X	100%	270	270	1,820,000	1,820,000	
Peele-Dixie Membrane Plant, City of Fort Lauderdale, FL	City of Fort Lauderdale	State Road 7, Fort Lauderdale, FL	Rick Johnson		(954) 828-7865	See Attached Detail CV - Thad Buckley	X	100%	860	1080	26,500,000	27,300,00	

On-Going & Completed Project Experience & Reference List

Updated 12/17/2018 23:41

Project Name	Owner	Address	Contract Contact	Email Address	Phone #	Nature of Work	X	% Complete	Orig. Days	Final Days	Orig. \$	Current / Final \$	Date Complete
Southern Regional WWTP Oxygen System Upgrade	City of Hollywood	Hollywood WWTP - Taft Street - FL	Jetu Petel		(954) 921-3930	See Attached Detail CV - Thad Buckley	X	100%	600	680	10,300,000	10,500,000	
Fiveash Water Treatment Plant Upgrades - Phase 1	City of Fort Lauderdale	Powerline Road, Fort Lauderdale FL	George Brown	Brown, George A. <gbrown@hazenandsawyer.com>	(954) 987-0066	See Attached Detail CV - Thad Buckley	X	100%	1080	1080	12,040,000	12,500,000	
Fiveash Water Treatment Plant Filter Rehabilitation	City of Fort Lauderdale	Powerline Road, Fort Lauderdale FL	George Brown	Brown, George A. <gbrown@hazenandsawyer.com>	(954) 987-0066	See Attached Detail CV - Thad Buckley	X	100%	270	360	1,800,000	2,400,000	
G.T. Lohmeyer WWTP Effluent Pump Station	City of Fort Lauderdale	Eisenhower Blvd	Walt Schwartz		(954) 426-6311	See Attached Detail CV - Thad Buckley	X	100%	270	360	1,800,000	2,400,000	
Glades Road WTP 40-mgd Membrane Softening Process Addition	City of Boca Raton	Glades Road WTP	Frank Brinson	Frank Brinson <fbrinson@mccaffertybrinson.com>	(954) 797-7100	See Attached Detail CV - Thad Buckley	X	100%	1260	1440	48,200,000	49,600,000	
Glades Road Sodium Hypochlorite Generation System	City of Boca Raton	Glades Road WTP	Frank Brinson	Frank Brinson <fbrinson@mccaffertybrinson.com>	(954) 797-7100	See Attached Detail CV - Thad Buckley	X	100%	540	540	3,804,000	4,002,300	

X - As PM, VP or RM of P&K/MWHC See Attached Resume
SEE ATTACHED FOR ADDITION RELATED PROJECTS