

Memorandum



Date: July 7, 2022

To: Honorable Chairman Jose “Pepe” Diaz
and Members, Board of County Commissioners

From: Daniella Levine Cava
Mayor

A handwritten signature in blue ink that reads "Daniella Levine Cava".

Agenda Item No. 8(O)(1)

Subject: Resolution Awarding Contract S-932 to Poole and Kent Company of Florida with a Total Contract Amount Not to Exceed \$84,376,200 and a Total Contract Term of 865 Calendar Days for the Ocean Outfall Legislation Program Construction Package, Clarifiers and HLD (ST-2B) South District Wastewater Treatment Plant Project

EXECUTIVE SUMMARY

The attached resolution is seeking Board of County Commissioners (Board) approval for the award of Contract S-932 (Contract) to Poole and Kent Company of Florida (P&K) with a total contract amount not to exceed \$84,376,200 and a total contract term of 786 calendar days plus a 79 calendar day contingency period for a Project entitled Ocean Outfall Legislation (OOL) Program Construction Package, Clarifiers and High-Level Disinfection (HLD) (ST-2B) (Project) at the South District Wastewater Treatment Plant (SDWWTP).

RECOMMENDATION

It is recommended that the Board approve the attached resolution (1) awarding Contract No. S-932 to P&K with a total compensation amount of \$84,376,200 and a contract term of 786 calendar days plus a 79 calendar day contingency period; and (2) authorizing the County Mayor or County Mayor’s designee to use the Miami-Dade Water and Sewer Department (WASD) Consent Decree and Capital Improvement Programs Acceleration Ordinance, Section 2-8.2.12 of the Miami-Dade County Code (WASD Acceleration Ordinance) to manage this Contract.

DELEGATION OF AUTHORITY

Because the lowest bid is more than 10% above the Engineer of Record’s (EOR) estimate, the contract award does not qualify for ratification and requires Board approval before execution. Upon Board approval of the Contract, the County Mayor or County Mayor’s designee may exercise all provisions, including the termination provisions, within the Contract. In addition, the County Mayor or County Mayor’s designee may manage this Contract pursuant to the WASD Acceleration Ordinance, which delegates authority to the County Mayor or County Mayor’s designee to, among other things, negotiate and settle claims and execute change orders that do not exceed ten percent (10%) of the base contract amount, subject to ratification by the Board.

PROJECT BACKGROUND

This Project is one in a series of projects related to the State of Florida’s Ocean Outfall Legislation (OOL), pursuant to Section 403.086(9) of the Florida Statutes, which regulates wastewater disposal and ocean outfalls. WASD owns and operates the SDWWTP, which utilizes a pure oxygen activated treatment system for the primary and secondary treatment of wastewater and High-Level Disinfection (HLD) System prior to disposal through the municipal injection wells.

The SDWWTP is one of three (3) regional wastewater treatment facilities operated by WASD and serves the southern portion of Miami-Dade County (County). The wastewater conveyance system to the three wastewater plants is interconnected so the flow can be directed between wastewater treatment plants to allow for operational flexibility. Specifically, this Project includes the construction of a new clarifier,

improvements to the HLD facility and associated treatment process facilities which will add additional treatment capacity to SDWWTP.

Understanding the interconnectivity of three (3) regional wastewater treatment facilities operated by WASD, this Project is considered part of a regional solution for the wastewater treatment system of the County to meet future flows and loads.

The Project will also result in a more robust and resilient facility designed to meet WASD’s facility hardening criteria. The latter will allow for the continuous operation of the wastewater treatment system during severe climatological events, which are frequent in the South Florida area.

PROJECT NAME: Clarifiers and HLD (ST-2B) South District Wastewater Treatment Plant

CONTRACT NO.: S-932

PROJECT DESCRIPTION: This is an Ocean Outfall Project that consists of furnishing all labor, materials and equipment necessary for the construction of a new junction box that will add the ability to redirect flow from the oxygenation tanks into the new clarifier (Clarifier 12) with associated inlet and outlet piping; construction of new Return Activated Sludge (RAS) piping; modification of existing RAS Pump Station No. 3 with three (3) additional RAS pumps with piping system; replacement of a pipe segment at RAS Pump Station No.1, construction of a Transfer Pump Station (TPS) Bypass channel (North side); construction of 6 new filters; and associated yard piping at the SDWWTP owned by WASD.

The scope of work also includes, but is not limited to the following:
Junction box 11/12, Clarifier 12, RAS P3 Improvements, Transfer Bypass Improvements, Filters 31-36, South Building, Backwash and Air Scour System, 96” PCCP Filter Bypass and the RAS PS 1 24’ Pipe.

PROJECT LOCATION: 23300 SW 88th Avenue Miami, Fl. 33190

PRIMARY COMMISSION DISTRICT: District 8, Danielle Cohen Higgins

APPROVAL PATH: Board of County Commissioners
Section 2-8.1 of the Miami-Dade County Code.

USING DEPARTMENT: WASD

MANAGING DEPARTMENT: WASD

SBD REVIEW COMMITTEE ASSIGNED CONTRACT MEASURES: See Exhibit A, attached hereto

SUBMITTAL DATE: 12/23/2021

SIGNOFF DATE: 12/29/2021

TYPE	GOAL	COMMENT
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SBE – Construction	6.47%	The estimated value is the product of the goal percentage multiplied by the sum of the Base Estimate plus the Contingency Allowance Amount.
SBE - Goods and Services	1.70%	The estimated value is the product of the goal percentage multiplied by the sum of the Base Estimate plus the Contingency Allowance Amount.
CWP	10.00%	

**MINIMUM
QUALIFICATIONS
EXCEED
REQUIREMENTS:**

Yes. The minimum qualifications exceed the requirements (i.e., licensing requirements) as described below for the work to be done properly according to industry standards. The solicitation required bidders shall submit proof with their bids of the following:

- a) Written evidence of its qualifications and ability to begin construction, to perform in a satisfactory manner, and to complete all the work covered by the Contract within the time specified in the Solicitation.
- b) That the Bidder has successfully completed the construction and/or rehabilitation of a minimum of three (3) projects in construction at wastewater treatment facilities with capacities of 10-MGD or larger with secondary treatment process within the last ten (10) years. The projects must have included installation of process equipment, construction of clarifiers, construction of filters, installation of stainless steel and cast-iron sluice gates with dimensions of 48”x48” opening or larger; installation of Prestressed Cylinder Pipe (PCCP) 60-inch or larger; large bypass pumping; installation of HVAC equipment; and installation of instrumentation and controls including connections into an existing Supervisory Control and Data Acquisition System (SCADA). The Bidder shall be experienced in performing work while maintaining operations of a wastewater facility.
- c) That the Bidder or Bidder’s Electrical Subcontractor has successfully completed a minimum of three (3) projects demonstrating experience with medium and low voltage power supply.

In the event a firm is established by key personnel such as executives, supervisors, and other senior field staff that would have met these minimum experience requirements with a prior firm, the County reserves the right to qualify the firm based on the County's sole determination and evaluation of the knowledge and prior experience of these key employees employed by the new firm. The experience of key senior personnel with other firms may be counted towards the experience requirement, if acceptable to the Engineer of Record (EOR). Should such the evidence not be satisfactory to the EOR, whose decision shall be final, the bid will be considered non-responsive, and the second lowest bidder will be considered for award. The qualifying proof shall be submitted in a separate sealed envelope with the bid.

**PROJECT TECHNICAL
CERTIFICATION
REQUIREMENTS:**

Below are the types of Licenses that may be required for the execution of this work. The trades authorized by each individual license may overlap with other licenses listed. Therefore, not all the licenses may be required as long the scope of work is covered by the licenses presented by the General Engineering Contractor and/or his subcontractors.

- a. General Engineering Contractor
- b. Plant Construction Engineer Contractor
- c. Pipeline Engineering Contractor
- d. Structural Engineering Contractor
- e. Pile Driving and Foundation Engineering Contractor
- f. Paving Engineering Contractor
- g. Excavating and Grading Engineering Contractor
- h. Electrical Contractor
- i. Soil Compaction and Tamping Engineering
- j. Demolition Contractor
- k. And/or other categories as applicable by Chapter 489 of the Florida Statutes or Chapter 10 of Miami-Dade County Code

APPLICABLE WAGES: (RESOLUTION NO. R-54-10): Yes

MANDATORY CLEARING HOUSE: Yes

FISCAL IMPACT / FUNDING SOURCE: See Exhibit B, attached hereto

Wastewater Renewal Fund

Wastewater Special Construction Fund

Wastewater Connection Charges

WIFIA Loan

Future Subordinate Debt

REQUEST TO ADVERTISE ESTIMATE: \$55,087,000.00.

Capital Budget Project No. & Description:

Project # 2000000580 Peak Flow Management – South District Expansion, page # 74 of the FY2021-22 Adopted Budget and Multi-Year Capital Plan.

**OPERATIONS COST
IMPACT/FUNDING:**

\$783,000 per year. The funding source for the operating impact is WASD Operating Revenues.

**MAINTENANCE COST IMPACT/
FUNDING:**

\$100,000 per year. The funding source for the operating impact is WASD Operating Revenues.

LIFE EXPECTANCY OF ASSET:

15 – 20 years for the equipment, 50 years for the structure.

PTP FUNDING:

No

GOB FUNDING:

No

ARRA FUNDING:

No

TOTAL CONTRACT PERIOD

757 calendar days to Substantial Completion
786 calendar days to Final Completion

CONTINGENCY PERIOD 79 calendar days

IG FEE INCLUDED IN BASE CONTRACT Yes

ART IN PUBLIC PLACES No

BASE ESTIMATE \$55,612,000.00

ITEM	AMOUNT:	DAYS:	
BIDDER’S BASE BID	\$73,740,000.00	786	
CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):			
Type	Amount	Percent	Comment
INFRASTRUCTURE	\$7,374,000.00	10.0%	
DEDICATED ALLOWANCES:			
FOR PERMIT FEES:	\$2,212,200.00	3.0%	
LEAD AND ASBESTOS	\$80,000.00	0.11%	
UNDERGROUND UTILITY CONFLICTS	\$150,000.00	0.20%	
TESTING HANDLING AND DISPOSING OF NON-PETROLEUM CONTAMINATED SOILS	\$350,000.00	0.47%	
TESTING HANDLING AND DISPOSING OF PETROLEUM CONTAMINATED SOILS	\$350,000.00	0.47%	
TESTING HANDLING AND DISPOSING OF CONTAMINATED WATER	\$120,000.00	0.16%	
TOTAL DEDICATED ALLOWANCES:	\$3,262,200.00		
TOTAL CONTRACT AMOUNT:			
	\$84,376,200		

SEA LEVEL RISE (Ord. No. 14-79): The impact of sea level rise has been considered as part of the design.

SUSTAINABLE BUILDINGS ORDINANCE: (Ord. No. 07-65)

This Project does not qualify for compliance with the Sustainable Buildings Ordinance.

TRACK RECORD / MONITOR/SBD HISTORY OF VIOLATIONS:

The Business Workforce Management System shows no workforce composition reports have been submitted on Poole & Kent. See BMWS Report, Attached hereto as Exhibit C.

EXPLANATION:

On March 23, 2022, WASD received and opened four (4) bids in response to an advertisement for an open competitive solicitation for Contract No. S-932, See Bid Tabulation, attached hereto as Exhibit D, summarized as follows:

Company Name	Base Bid	Total Bid
Poole & Kent Company of Florida	\$73,740,000.00	\$84,376,200
Daniel O’ Connell’s Sons	\$82,420,603.00	\$99,757,500.00

PCL Construction	\$80,250,000.00	\$102,427,341.69
Kiewit Water Facilities Florida Co.	\$93,210,000.00	\$115,698.300.00

Poole & Kent Company of Florida was the lowest responsive and responsible bidder. Because contract measures were assigned, the three (3) lowest bids were forwarded to ISD’s Division of Small Business Development (SBD) for a Compliance Review. On April 13, 2022, SBD issued the results of its Compliance Review determining that the three (3) lowest bidders were in compliance with the 6.47% SBE-Con and 1.70% SBE-G&S subcontractor goals established for this Contract and deemed compliant with Implementing Orders 3-22 and 3-41 governing the SBE-Con and SBE-G & S programs respectively. The SBD Compliance Review is attached hereto as Exhibit E.

The ISD’s Capital Improvements Information System (CIIS) database contains (77) evaluations for P&K. The dates of the evaluations range from September 10, 2009, to February 28, 2022, with an average overall rating of 3.5 points out of a possible 4 points. See Exhibit F, attached hereto.

The Contract, Non-Collusion Affidavit, and the Vendor Affidavits Form executed by P&K, are attached hereto as Exhibit G, Exhibit H and Exhibit I, respectively.

The EOR reviewed the bid and recommended that WASD accept P&K’s bid. See Exhibit J attached hereto. It is recommended that the Project be awarded to Pool & Kent Company of Florida as the lowest responsible and responsive bidder, whose base bid of \$73,740,000.00 is approximately 24.58% above the EOR’s base estimate of \$55,612,000.00.

SUBMITTAL DATE: April 29, 2022
ESTIMATED NOTICE TO PROCEED: As soon as possible
PRIME CONTRACTOR: Poole and Kent Company of Florida
COMPANY PRINCIPAL: David A. Strickland
COMPANY QUALIFIERS: Duane Armstrong
EMAIL ADDRESS: brianm@pkflorida.com
COMPANY ADDRESS: 1781 NW North River Drive
Miami, Florida 33125
YEARS IN BUSINESS: 75 years

PREVIOUS EXPERIENCE WITH THE COUNTY IN THE PAST THREE (3) YEARS:

According to the Firm Vendor’s Profile Contract History Report dated March 1, 2022, downloaded from the Business Management Workforce System (BMWS), Pool & Kent Company of Florida, has been awarded twenty-four (24) construction contracts with Miami-Dade County, with a total value of \$764,916,062.00. See Exhibit J attached hereto.

CONTRACT MANAGER NAME/PHONE/EMAIL:

Paul F. Adams / 786-552-8178 / Paul.Adams@miamidade.gov

PROJECT MANAGER NAME/PHONE/EMAIL:

Daniel Lizarazo / 305-205-0902 / Daniel.Lizarazo@miamidade.gov

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SIGNATURE PAGE

**Ocean Outfall Legislation Program, Clarifiers and HLD (ST-2B)
South District Wastewater Treatment Plant
Project No: N/A: Contract No.: S-932**



DAVID CLODFELTER
OMB DIRECTOR

5/10/2022
DATE

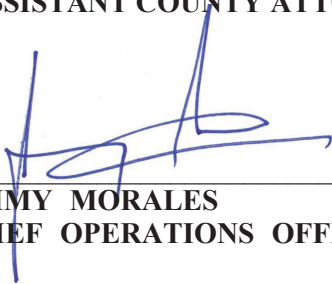
APPROVED AS TO LEGAL SUFFICIENCY



ANGELA F. BENJAMIN
ASSISTANT COUNTY ATTORNEY

May 10, 2022

DATE



JIMMY MORALES
CHIEF OPERATIONS OFFICER

5/16/2022

DATE



Small Business Development Division

Project Worksheet

Project/Contract Title: Clarifiers and HLD (ST-2B) South District Wastewater Treatment Plant
Received Date: 12/14/2021
Project/Contract No: S-932
Funding Source: Other
Department: Water & Sewer
Estimated Cost of Project/Bid: \$63,298,310.00
Description of Project/Bid: This is an Ocean Outfall project that consists of furnishing all labor, materials and equipment necessary for the construction of a new junction box to split the flow from the oxygenation tanks into two new clarifiers.

Contract Measures		
Measure	Program	Goal Percent
Goal	SBE - Con	6.47%
Goal	SBE - Goods	1.70%
Workforce Goal	CWP	10.00%
Reasons for Recommendation		
SMALL BUSINESS ENTERPRISE - CONSTRUCTION (SBE-Con) SBD reviewed this project pursuant to Implementing Order(s) 3-22 and 3-41 for SBE-Con and SBE-Goods measures. Project information analyzed included the project's scope of services, minimum requirements/qualifications and funding source. An analysis of the factors contained in Implementing Order 3-22 indicates a 6.472% Small Business Enterprise – Construction (SBE-Con) subcontractor goal is appropriate for the trades of: Water and Sewer Line and Related Structures Construction (0.171%-Potable H2O, 4" & 8" DIP), Highway, Street, and Bridge Construction (0.131%-Pavement Restoration, 0.0249%-Asphalt/Milling), Site Preparation Contractors (0.180%-Site Preparation, 0.0953%-Demolition), Commercial and Institutional Building Construction (0.010%-Sodding, 0.089%-Hauling, 1.416%-Concrete Slab), Plumbing, Heating, and Air-Conditioning Contractors (0.132%-HVAC, 2.13%-Mechanical), Electrical Contractors and Other Wiring Installation Contractors (2.00%-Electrical, 0.042%-Fire Protection) and Other Foundation, Structure and Building Exterior Contractors (0.051%-Metal Railings).		
SMALL BUSINESS ENTERPRISE - GOODS (SBE - Goods) An analysis of the factors contained in section VIII. B. of Implementing Order 3-41 & Ordinance 14-41 indicates a 1.7% SBE - Goods Subcontractor goal is appropriate in the commodity area of Pipe and Tubing (1.7%) (65800). CWP 10% Goal Applicable The SBE - Con and SBE - Goods Subcontractor Goals can be met by First Tier, Second Tier and Third Tier, certified SBE-Con & SBE-GS firms. Please be advised that these areas are just a recommendation and firms are not tied to meeting the SBE-Con & SBE-Goods goals in these specific trades/commodities. NAICS 237990 Other Heavy and Civil Engineering Construction, NAICS 237110 Water and Sewer Line and Related Structures Construction, NAICS 238190 Other Foundation, Structure, and Building Exterior Contractors, NAICS 238210 Electrical Contractors and Other Wiring Installation Contractors, NAICS 238220 Plumbing, Heating, and Air-Conditioning Contractors, NAICS 238910 Site Preparation Contractors, NAICS 237310 Highway, Street, and Bridge Construction, NAICS 236220 Commercial and Institutional Building Construction, NIGP 65800 Pipe and Tubing.		

Small Business Contract Measure Recommendation	
<u>Subtrade</u>	<u>Category</u>
Water and Sewer Line and Related Structures Construction	SBE-Con
Highway, Street, and Bridge Construction	SBE-Con
Site Preparation Contractors	SBE-Con
Commercial and Institutional Building Construction	SBE-Con
Plumbing, Heating, and Air-Conditioning Contractors	SBE-Con
Electrical Contractors and Other Wiring Installation Contractors	SBE-Con
Other Foundation, Structure and Building Exterior Contractors	SBE-Con
Pipe and Tubing	SBE-Goods

Living Wages: YES ☐ NO ☒
 Highway: YES ☐ NO ☒
 Heavy Construction: YES ☒ NO ☐

Responsible Wages: YES ☒ NO ☐
 Building: YES ☐ NO ☒



 SBD Director

12/29/21

 Date

FY 2021 - 22 Adopted Budget and Multi-Year Capital Plan

PEAK FLOW MANAGEMENT - SOUTH DISTRICT EXPANSION

PROGRAM #: 2000000580

DESCRIPTION: Redirect flows to regional plants and account for peak flows through 2035

LOCATION: Systemwide

District Located:

Systemwide

Various Sites

District(s) Served:

Countywide

REVENUE SCHEDULE:	PRIOR	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	FUTURE	TOTAL
Future Subordinate Debt	0	0	7,212	6,749	11,125	24,832	39,367	17,496	106,782
State Revolving Loan Wastewater Program	12,350	0	0	0	0	0	0	0	12,350
WASD Revenue Bonds Sold	22,580	0	0	0	0	0	0	0	22,580
WIFIA Loan	25,412	4,300	74,178	133,943	47,669	39,218	6,500	504	331,724
Wastewater Connection Charges	141,385	5,489	910	1,156	0	0	0	0	148,940
Wastewater Renewal Fund	14,566	0	12,866	0	0	0	0	0	27,431
Wastewater Special Construction Fund	5,599	2,950	0	0	36,348	0	0	0	44,897
TOTAL REVENUES:	221,891	12,739	95,165	141,849	95,142	64,051	45,867	18,000	694,703
EXPENDITURE SCHEDULE:	PRIOR	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	FUTURE	TOTAL
Construction	120,116	50,203	137,781	146,270	96,179	67,670	44,949	17,640	680,808
Planning and Design	2,451	1,025	2,812	2,985	1,963	1,381	917	360	13,895
TOTAL EXPENDITURES:	122,568	51,228	140,593	149,255	98,142	69,051	45,867	18,000	694,703

PUMP STATIONS - GENERATORS AND MISCELLANEOUS UPGRADES

PROGRAM #: 9652002

DESCRIPTION: Install emergency generators and construct miscellaneous upgrades at various wastewater pump stations

LOCATION: Systemwide

District Located:

Systemwide

Various Sites

District(s) Served:

Systemwide

REVENUE SCHEDULE:	PRIOR	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	4,899	5,600	5,046	4,244	0	0	19,788
WASD Revenue Bonds Sold	7,692	0	0	0	0	0	0	0	7,692
TOTAL REVENUES:	7,692	0	4,899	5,600	5,046	4,244	0	0	27,480
EXPENDITURE SCHEDULE:	PRIOR	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	FUTURE	TOTAL
Construction	5,236	2,456	4,899	5,600	5,046	4,244	0	0	27,480
TOTAL EXPENDITURES:	5,236	2,456	4,899	5,600	5,046	4,244	0	0	27,480

Vendor Profile: Workforce Composition (EEO)

[General](#) [Public Profile](#) [Users](#) [Commodity Codes](#) [Contacts](#) [Certifications](#) [Contracts](#) **[Workforce Comp/EEO](#)** [EDP Registrations](#)

Poole & Kent Company of Florida

System Vendor Number: 20349392

New Report

Workforce Composition Reports

No workforce composition reports submitted.

[Customer Support](#)

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PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER
TREATMENT PLANT CONSTRUCTION PACKAGE ST-2B

CLARIFIERS AND HLD

CONTRACT NO. S-932 Date: 3/23/22

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>OPCC Total</u>	<u>Poole & Kent</u>	<u>Daniel O'Connell's Sons</u>	<u>PCL Construction</u>	<u>Kiewit Water Facilities Florida Co.</u>
1	Aggregate Sum (Divided into 4 payments)	For performing preparatory work and operations in mobilizing and demobilizing for the work of the Project including those operations necessary for the movement of personnel, equipment, supplies and incidentals to the Project site and for the establishment of temporary facilities; safety equipment and first aid supplies; sanitary and temporary structures, temporary utilities, and any other appurtenances necessary for performing the work, shop drawings and contractor's submittals, the costs of bonds, required insurance and other preconstruction expense; but excluding materials and permit costs, both of which are paid under other payment items; complete for the aggregate sum of	\$2,625,000.00	\$3,500,000.00	\$4,000,000.00	\$4,000,000.00	\$4,600,000.00
2	Aggregate Sum	For construction of new Junction Box 11/12, any related yard piping work and any associated work; for any required demolition; any temporary bypass; including site preparation, dewatering, excavation, and disposal of unsuitable backfill materials, including shoring, trenching and backfilling; general site civil work including paving, grading, drainage, and aboveground and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; furnishing, installing, and testing all equipment including but not limited to piping, slide gates, weirs; furnishing and installing all structural components; all electrical work; all instrumentation and control work; and other components, the aggregate sum of	\$1,365,000.00	\$4,000,000.00	\$3,500,000.00	\$24,000,000.00	\$5,650,000.00
3	Aggregate Sum	For construction of new Clarifier 12, any related yard piping work and any associated work; including site preparation, dewatering, excavation and disposal of unsuitable backfill materials, trenching and backfilling, protection of foundation of existing structures, sheet piling; general site civil work including paving, grading, and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; installation of external lighting; furnishing, installing, and testing all equipment including but not limited to clarifier center columns, mechanisms, bridges, weirs, scum removal systems, and influent, effluent, scum and RAS piping; furnishing and installing all structural and architectural features and components; all building mechanical work; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the connection of the new Clarifier 12 to the new Junction Box 11/12, to the clarifiers effluent piping manifold, and to the RAS Pump Station 3 not covered by other Bid Items. This item also includes any equipment, labor, and appurtenances, not covered by other Bid Items, related to the installation of piping for future Clarifier 11 from the new Junction Box 11/12, to the clarifiers effluent piping manifold and to the RAS Pump Station 3 that is shown on the Drawings to facilitate construction of Clarifier 11 in the future, the aggregate sum of	\$21,121,000.00	\$28,000,000.00	\$24,000,000.00	\$25,736,330.00	\$37,000,000.00

PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT PLANT CONSTRUCTION PACKAGE ST-2B							
CLARIFIERS AND HLD CONTRACT NO. S-932 Date: 3/23/22							
<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>OPCC Total</u>	<u>Poole & Kent</u>	<u>Daniel O'Connell's Sons</u>	<u>PCL Construction</u>	<u>Kiewit Water Facilities Florida Co.</u>
4	Aggregate Sum	For modifications to the RAS Pump Station 3 and any associated work; for any required demolition; any temporary bypass; including site preparation, excavation and disposal of unsuitable backfill materials, trenching and backfilling; modifications to existing process piping; furnishing, installing, and testing all equipment including but not limited to new RAS pumps, suction and discharge RAS piping, WAS piping, valves, flow meters, pipe supports; furnishing and installing all structural and architectural features and components; all building mechanical work and HVAC work; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the connection of the new RAS Pumps to the RAS piping from the new Clarifier 12, to the bypass pipe from Clarifiers 9 and 10, and to the RAS discharge manifold not covered by other Bid Items, the aggregate sum of	\$3,675,000.00	\$4,000,000.00	\$4,750,000.00	\$3,650,349.00	\$6,500,000.00
5	Aggregate Sum	For construction of the Transfer Pump Station North Bypass structure, any related yard piping work and any associated work; for any required demolition; any temporary bypass; including site preparation, dewatering, excavation and disposal of unsuitable backfill materials, trenching and backfilling; protection of foundation of existing structures and sheet piling; general site civil work including paving, grading, and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities and chemical piping; furnishing, installing, and testing all equipment including but not limited to slide gates, gate operators, and control instruments; furnishing and installing all structural and architectural features and components; all building mechanical work; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the connection of the new Transfer Pump Station North Bypass to the Transfer Pump Station Inlet Flume and Filtered Effluent Flume not covered by other Bid Items, the aggregate sum of	\$1,680,000.00	\$2,000,000.00	\$1,500,000.00	\$753,627.00	\$2,200,000.00

PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT PLANT CONSTRUCTION PACKAGE ST-2B						
CLARIFIERS AND HLD CONTRACT NO. S-932 Date: 3/23/22						
Item No.	Estimated Quantity	Description	OPCC Total	Poole & Kent	Daniel O'Connell's Sons	PCL Construction
6	Aggregate Sum	For construction of filters 32 to 36, any related yard piping work and any associated work, for any required demolition; any temporary bypass; including site preparation, dewatering, excavation and disposal of unsuitable backfill materials, trenching and backfilling; protection of foundation of existing structures and sheet piling; general site civil work including paving, grading, and aboveground and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; modifications to existing process piping; furnishing, installing, and testing all equipment including but not limited to new air scour piping, backwash piping, filter underdrains and media, slide gates and valves; furnishing and installing all structural and architectural features and components; furnishing and installing pipe supports; all building mechanical work and HVAC work; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the connection of the new filters to the influent manifold, filter effluent flume, backwash piping, and air scour system piping not covered by other Bid Items the aggregate sum of	\$19,952,000.00	\$23,040,000.00	\$31,875,000.00	\$16,169,948.00
7	Aggregate Sum	For modifications to Backwash and Air Scour System and any related work in adjacent Existing South Filter Building; for any required demolition; any temporary bypass; site preparation, dewatering, excavation and disposal of unsuitable backfill materials, trenching and backfilling; general site civil work including paving, grading, and aboveground and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; modifications to existing process piping; furnishing, installing, and testing all equipment including but not limited to new air scour blowers and piping, backwash pumps and piping, furnishing and installing all structural and architectural features and components; furnishing and installing pipe supports; all changes to building mechanical work and HVAC work; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the connection of the equipment to the backwash piping and air scour system piping not covered by other Bid Items, the aggregate sum of	\$1,713,000.00	\$3,000,000.00	\$2,500,000.00	\$843,755.00

PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT PLANT CONSTRUCTION PACKAGE ST-2B						
CLARIFIERS AND HLD CONTRACT NO. S-932 Date: 3/23/22						
<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>OPCC Total</u>	<u>Poole & Kent</u>	<u>Daniel O'Connell's Sons</u>	<u>PCL Construction</u> <u>Kiewit Water Facilities Florida Co.</u>
8	Aggregate Sum	For installation of the new 96-inch Filtered Water Bypass Pipe, any related yard piping work and any associated work; for any required demolition; any temporary bypass; site preparation, dewatering, excavation and disposal of unsuitable backfill materials, trenching and backfilling; protection of foundation of existing structures and sheet piling; general site civil work including paving, grading, and aboveground and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; modifications to existing process piping; furnishing, installing, and testing all piping; modifications to existing pipe supports; and other components. This item also includes any equipment, labor, and appurtenances related to the connection of the Filtered Water Bypass Pipe to the North and South Filtered Effluent Flumes not covered by other Bid Items, the aggregate sum of	\$3,397,000.00	\$6,000,000.00	\$8,000,000.00	\$7,153,421.00 \$4,500,000.00
9	Aggregate Sum	For removal of approximately 17 linear feet of the existing 24-inch RAS pipe (including two (2) 24"x36" reducers) and replacement with 36-inch pipe inside the RAS PS 1 and any associated work; for any required demolition; any temporary bypass; modifications to existing process piping; furnishing, installing, and testing all piping; furnishing and installing pipe supports; and other components, the aggregate sum of	\$84,000.00	\$200,000.00	\$125,000.00	\$113,173.00 \$5,000,000.00
10	Subtotal	The sum of Bid Item Nos. 1 through 9	\$55,612,000.00	\$73,740,000.00	\$80,250,000.00	\$82,420,603.00 \$93,210,000.00
11	Contingency Account	For unforeseeable conditions, minor construction changes and quantity adjustments, additional work not covered by other items, if ordered by the Engineer, 10.0% of Item No. 10, (0.10) x (Item No. 10). <u>TO BE CALCULATED BY THE COUNTY</u>	\$5,561,200.00	\$7,374,000.00	\$8,025,000.00	\$8,242,060.30 \$9,321,000.00
12	Permitting Dedicated Allowance	This item establishes a fund for reimbursement of the cost of required construction permits, fees, inspections, and/or impact fees, if authorized by the Engineer, 3.0% of Item No. 10, (0.03)x(Item No.10). Payment shall reimburse the CONTRACTOR for only the cost of the construction permits or fees. Any question of whether construction permits or fees are required shall be decided by the Engineer whose word shall be final. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with the OWNER. <u>TO BE CALCULATED BY THE COUNTY</u>	\$1,668,360.00	\$2,212,200.00	\$2,407,500.00	\$2,472,618.09 \$2,796,300.00
13	Lead and Asbestos Dedicated Allowance	This item establishes a fund for Lead and Asbestos abatement, if authorized by the ENGINEER, for the duration of the project. A written authorization by the ENGINEER must be obtained prior to performing the WORK to obtain reimbursement under this item. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with OWNER. <u>Eighty thousand Dollars and 00 Cents</u>	\$80,000.00	\$80,000.00	\$80,000.00	\$80,000.00 \$80,000.00

PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT PLANT CONSTRUCTION PACKAGE ST-2B							
CLARIFIERS AND HLD CONTRACT NO. S-932 Date: 3/23/22							
<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>OPCC Total</u>	<u>Poole & Kent</u>	<u>Daniel O'Connell's Sons</u>	<u>PCL Construction</u>	<u>Kiewit Water Facilities Florida Co.</u>
14	Underground Utility Conflicts Dedicated Allowance	This item establishes a fund for all labor, material, equipment and services necessary for modification or extra work to address underground utility conflicts that were unknown at the time the Bid Documents were issued and that are discovered during construction. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with the OWNER. If authorized by the ENGINEER, for the duration of the project, the aggregate sum of: <u>One hundred fifty thousand Dollars and 00 Cents</u>	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00
15	Testing, Handling, and Disposing of Non-Petroleum Contaminated Soils Dedicated Allowance	For Testing, Handling, and Disposing of Non-petroleum contaminated soils. This item establishes a fund for all labor, materials, equipment, and services necessary for modification or extra work to address contaminated soils, unknown at the time when the Bid Documents were issued and that are discovered during construction. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with the OWNER. If authorized by the ENGINEER, for the duration of the project, the aggregate sum of: <u>Three hundred fifty thousand Dollars and 00 Cents</u>	\$350,000.00	\$350,000.00	\$350,000.00	\$350,000.00	\$350,000.00
16	Testing, Handling, and Disposing of Petroleum-Contaminated Soils Dedicated Allowance	For Testing, Handling, and Disposing of Petroleum-Contaminated Soils - Compliance with potential contaminated soil handling guidelines per SWP Guidance No. 1. This item includes temporary stockpile of soil on an impermeable surface preventing contaminant runoff in accordance with FAC 62-780.500. This item includes collection and analysis of composite samples for petroleum constituents in accordance with table in SWP Guidance No. 1 by a qualified consultant. This item includes laboratory analysis of samples according to table in SWP Guidance No. 1. This item includes disposal of soil exceeding applicable criteria in a landfill or a permitted hazardous waste treatment, storage, and disposal facility depending on level of contamination. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with the OWNER. If authorized by the ENGINEER, for the duration of the project, the aggregated sum of <u>Three hundred fifty thousand Dollars and 00 Cents</u>	\$350,000.00	\$350,000.00	\$350,000.00	\$350,000.00	\$350,000.00
17	Testing, Handling and Disposing of Contaminated Groundwater Dedicated Allowance	This item establishes a fund for testing, handling, and disposing of contaminated water associated with contaminated soils and groundwater encountered during construction activities as described in Section 02 22 10 Environmental Contamination. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with the OWNER. If authorized by the ENGINEER, for the duration of the project, the aggregated sum of: <u>One hundred and twenty thousand Dollars and 00 Cents</u>	\$120,000.00	\$120,000.00	\$120,000.00	\$120,000.00	\$120,000.00

PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT PLANT CONSTRUCTION PACKAGE ST-2B							
CLARIFIERS AND HLD CONTRACT NO. S-932 Date: 3/23/22							
<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>OPCC Total</u>	<u>Poole & Kent</u>	<u>Daniel O'Connell's Sons</u>	<u>PCL Construction</u>	<u>Kiewit Water Facilities Florida Co.</u>
18	Total Allowances	This item is the subtotal of Item Nos. 11 through 17 TO BE CALCULATED BY THE COUNTY	\$8,279,560.00	\$10,636,200.00	\$11,482,500.00	\$11,764,678.39	\$13,167,300.00
19	Total	TOTAL BID (Sum of Bid Items 10, 11, and 18) TO BE CALCULATED BY THE COUNTY	\$69,452,760.00	\$84,376,200.00	\$91,732,500.00	\$94,185,281.39	\$106,377,300.00

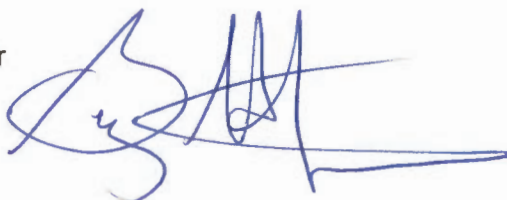
Memorandum

DATE: April 13, 2022

TO: Paul Adams, Manager
Construction Contracts
Water & Sewer Department

FROM: Gary Hartfield, Division Director
Internal Services Department
Small Business Development

SUBJECT: Compliance Review
Project No. S-932
Clarifiers and HLD (ST-2B) South District Wastewater Treatment Plant



Small Business Development (SBD), a Division of the Internal Services Department, has completed its review of the subject project for compliance with the Small Business Enterprise Construction (SBE-Con) and SBE-Goods & Services (SBE-G & S) programs. The contract measures established for this project are a 6.47% SBE-Construction and 1.70% SBE-Goods & Services subcontractor goals.

The Miami-Dade Water and Sewer Department has submitted contract documents that included the Certificate of Assurance for the firms listed below acknowledging the project's SBE measures. All referenced firms also submitted their Utilization Plan (UP) identifying the SBE subcontractors to fulfill the goals via the Business Management Workforce System (BMWS) and the following is their pre-award compliance status and summary.

FIRM:

1. Daniel O'Connell's Sons, Inc.
2. PCL Construction South Florida, Inc.
3. Poole & Kent Company of Florida

STATUS:

Compliant
Compliant
Compliant

SUMMARY:

Daniel O'Connell's Sons, Inc. (#1), a non-certified, SBE-Con firm, committed to utilize the following certified, SBE-Con firms: Dade Electric Service, Inc. to perform electrical work at 4.70% and SCR Mechanical, LLC to perform mechanical work at 1.77% in satisfaction of the 6.47% SBE-Con subcontractor goal. The Utilization Plan submitted by Daniel O'Connell's Sons, Inc. was confirmed by the subcontractors and approved pursuant to the firm's commitment to achieve the 6.47% SBE-Con goal.

Daniel O'Connell's Sons, Inc. also committed to utilize Corcel Corp., a certified SBE-G & S firm, to provide equipment supply, NIGP 65930 Connectors, NIGP 65933 Couplings, NIGP 65936 Crosses, Crossovers, Curves, NIGP 65940 Elbows, Steel, NIGP 65941 Elbows, Other than Steel, NIGP 67071 Valves, Butterfly, All Kinds and NIGP 67075 Valves, Iron Body: Angle, Check, Gate, Globe, etc. at 1.70% in satisfaction of the 1.70% SBE-G & S subcontractor goal. The Utilization Plan submitted by Daniel O'Connell's Sons, Inc. and confirmed by the subcontractor was approved pursuant to the firm's commitment to achieve the 1.70% SBE-G&S goal.

Daniel O'Connell's Sons, Inc. is in compliance with the 6.47% SBE-Con and 1.70% SBE-G&S subcontractor goals established for this contract. Daniel O'Connell's Sons, Inc. is deemed compliant with Implementing Orders 3-22 and 3-41 governing the SBE-Con and SBE-G & S programs respectively.

PCL Construction South Florida, Inc. (#2), a non-certified SBE-Con firm, committed to utilize Transamerica Construction, a certified, SBE-Con firm to perform concrete construction at 11.00% in satisfaction of the 6.47% SBE-Con subcontractor goal. The Utilization Plan submitted by PCL Construction South Florida, Inc. was

confirmed by the subcontractor and approved pursuant to the firm's commitment to achieve the 6.47% SBE-Con goal.

PCL Construction South Florida, Inc. also committed to utilize A & B Pipe and Supply, Inc./Global Distribution Industries, Inc., to supply pipe, construction materials supplies at 1.70% in satisfaction of the 1.70% SBE-G & S subcontractor goal. The Utilization Plan submitted by PCL Construction South Florida, Inc. was confirmed by the subcontractor and approved pursuant to the firm's commitment to achieve the 1.70% SBE-G&S goal.

PCL Construction South Florida, Inc. is in compliance with the 6.47% SBE-Con and 1.70% SBE-G&S subcontractor goals established for this contract. PCL Construction South Florida, Inc. is deemed compliant with Implementing Orders 3-22 and 3-41 governing the SBE-Con and SBE-G & S programs respectively.

Poole & Kent Company of Florida (#3), a non-certified, SBE-Con firm, committed to utilize Eli's Mechanical Corp., a certified, SBE-Con firm, to perform mechanical work at 6.47% in satisfaction of the 6.47% SBE-Con subcontractor goal. The Utilization Plan submitted by Poole & Kent Company of Florida and confirmed by the subcontractor was approved pursuant to the firm's commitment to achieve the 6.47% SBE-Con goal. Poole & Kent Company of Florida is utilizing Eli's Mechanical Corp. at 0.36% for a total SBE-Con goal of 6.83% to fulfill a portion of an SBE-Con Goal Deficit Make-Up requirement as listed on the April 12, 2022 Compliance Report of Open and Small Business Wage and/or Workforce Violations in the last three (3) years.

Poole & Kent Company of Florida also committed to utilize Corcel Corp., a certified, SBE-G & S firm, to supply mechanical materials and equipment at 1.70% in satisfaction of the 1.70% SBE-G & S subcontractor goal. The Utilization Plan submitted by Poole & Kent Company of Florida was confirmed by the subcontractor and approved pursuant to the firm's commitment to achieve the 1.70% SBE-G&S goal.

Poole & Kent Company of Florida is in compliance with the 6.47% SBE-Con and 1.70% SBE-G&S subcontractor goals established for this contract. Poole & Kent Company of Florida is deemed compliant with Implementing Orders 3-22 and 3-41 governing the SBE-Con and SBE-G & S programs respectively.

Please be reminded that SBD staff reviewed and addressed compliance with the SBE-Con, SBE-G & S measures. The Contract and Specifications Section of the Miami-Dade Water and Sewer Department is responsible for any other issues that may exist. Should you have any questions or need any additional information, please do not hesitate to call Caesar E. Suarez, SBD Capital Improvement Project Specialist at (305) 375-3141.

c: Laurie Johnson, SBD, ISD
File



Capital Improvements Information System

Contractor Evaluations Report (All Contracts)

**Exhibit
F**

Dept	Contract	Type	Contractor / Architect Name	Date	Rater	Period	Rate
ID	I-190008	7360	Poole & Kent Company of Florida	1/8/2020	Marc LaFrance	Completion of construction	3.6
ID	E162061-B	7360	Poole & Kent Company of Florida	12/7/2020	Kevin Montero	Project conclusion or closeout	3.5
WS	S-890	CON	Poole & Kent Company of Florida	2/25/2021	Huren An (Jeff)	Completion of construction	2.8
WS	S-897	CON	Poole & Kent Company of Florida	3/29/2021	Huren An (Jeff)	Interim	3.5
WS	S-870	CON	Poole & Kent Company of Florida	6/1/2021	James Ferguson	Project conclusion or closeout	3.1
	WO: 1						
WS	P0210	7360	Poole & Kent Company of Florida	7/20/2021	Huren An (Jeff)	Completion of construction	2.9
WS	S-922	CON	Poole & Kent Company of Florida	9/16/2021	Huren An (Jeff)	Interim	3.6
WS	S-922	CON	Poole & Kent Company of Florida	9/16/2021	Huren An (Jeff)	Interim	3.6
WS	W-938	CON	Poole & Kent Company of Florida	9/16/2021	Julio Vidal	Completion of study or design	3.5
	WO: 1						
WS	S-908R	CON	Poole & Kent Company of Florida	2/28/2022	Huren An (Jeff)	Interim	3.5
WS	S-909	CON	Poole & Kent Company of Florida	3/2/2022	Huren An (Jeff)	Interim	3.7
WS	S-897	CON	Poole & Kent Company of Florida	3/6/2020	Huren An (Jeff)	Interim	3.2
WS	S-882R	CON	Poole & Kent Company of Florida	3/6/2020	Huren An (Jeff)	Interim	2.9
WS	S-908R	CON	Poole & Kent Company of Florida	5/15/2020	Huren An (Jeff)	Interim	3.4
WS	S-903	CON	Poole & Kent Company of Florida	7/29/2020	Huren An (Jeff)	Completion of construction	3.7
WS	S-922	CON	Poole & Kent Company of Florida	7/31/2020	Huren An (Jeff)	Interim	3.5
WS	S-882R	CON	Poole & Kent Company of Florida	7/31/2020	Huren An (Jeff)	Interim	3.2
WS	S-905R	CON	Poole & Kent Company of Florida	12/4/2020	Huren An (Jeff)	Completion of construction	3.9
WS	S-812 (A)	CON	Poole & Kent Company of Florida	9/28/2009	Mario Garcia	Interim	3.5
WS	S-805 (A)	CON	Poole & Kent Company of Florida	9/29/2009	Mario Garcia	Interim	3.3
WS	S-816 (A)	CON	Poole & Kent Company of Florida	9/10/2009	Mario Garcia	Completion of construction	4.0
WS	S-805 (A)	CON	Poole & Kent Company of Florida	6/30/2010	Mario Garcia	Interim	3.8
WS	S-829 (A)	CON	Poole & Kent Company of Florida	6/30/2010	Mario Garcia	Interim	3.4
WS	S-817 (A)	CON	Poole & Kent Company of Florida	7/2/2010	Mario Garcia	Interim	3.6
WS	S-812 (A)	CON	Poole & Kent Company of Florida	7/2/2010	Mario Garcia	Interim	3.6
WS	S-829 (A)	CON	Poole & Kent Company of Florida	5/3/2011	Mario Garcia	Interim	2.5
WS	S-805 (A)	CON	Poole & Kent Company of Florida	5/3/2011	Mario Garcia	Interim	3.7
WS	S-817 (A)	CON	Poole & Kent Company of Florida	5/12/2011	Mario Garcia	Interim	3.7
WS	S-812 (A)	CON	Poole & Kent Company of Florida	5/12/2011	Mario Garcia	Interim	3.7
WS	S-812 (A)	CON	Poole & Kent Company of Florida	8/23/2011	Mario Garcia	Project conclusion or closeout	3.8
WS	S-817 (A)	CON	Poole & Kent Company of Florida	8/23/2011	Mario Garcia	Interim	3.7
WS	S-805 (A)	CON	Poole & Kent Company of Florida	8/23/2011	Mario Garcia	Interim	3.8
WS	S-829 (A)	CON	Poole & Kent Company of Florida	8/23/2011	Mario Garcia	Interim	3.0
WS	W-857 (A)	CON	Poole & Kent Company of Florida	10/7/2011	Robert Stebbins Jr.,	Interim	3.8
WS	S-829 (A)	CON	Poole & Kent Company of Florida	1/31/2012	Mario Garcia	Project conclusion or closeout	3.0
WS	S-805 (A)	CON	Poole & Kent Company of Florida	2/24/2012	Mario Garcia	Interim	3.7
WS	S-817 (A)	CON	Poole & Kent Company of Florida	10/1/2012	Mario Garcia	Interim	3.8
WS	W-857 (A)	CON	Poole & Kent Company of Florida	11/30/2012	Robert Stebbins Jr.,	Project conclusion or closeout	3.8
	WO: 1						
WS	DB09-WASD-05	DES	Poole & Kent Company of Florida	11/25/2013	Mario Garcia	Interim	3.9
WS	S-805 (A)	CON	Poole & Kent Company of Florida	2/7/2014	Mario Garcia	Completion of construction	3.7
WS	S-863	CON	Poole & Kent Company of Florida	5/20/2014	Mario Garcia	Interim	4.0
WS	DB09-WASD-05	DES	Poole & Kent Company of Florida	5/20/2014	Mario Garcia	Interim	4.0
WS	DB09-WASD-05	DES	Poole & Kent Company of Florida	8/6/2014	Mario Garcia	Interim	3.7
WS	S-863	CON	Poole & Kent Company of Florida	8/7/2014	Mario Garcia	Interim	3.8
WS	S-863	CON	Poole & Kent Company of Florida	10/23/2014	Mario Garcia	Project conclusion or closeout	3.0
WS	S-863	CON	Poole & Kent Company of Florida	10/23/2014	Mario Garcia	Interim	4.0
WS	S-863	CON	Poole & Kent Company of Florida	2/18/2015	Mario Garcia	Project conclusion or closeout	4.0
WS	S-852	CON	Poole & Kent Company of Florida	3/12/2015	Augustin J Durand	Interim	2.8
	WO: 1						
WS	DB09-WASD-05	DES	Poole & Kent Company of Florida	5/5/2015	Mario Garcia	Project conclusion or closeout	4.0
WS	P0141	7360	Poole & Kent Company of Florida	7/20/2015	Augustin J Durand	Interim	3.3
WS	P0141	7360	Poole & Kent Company of Florida	11/13/2015	Joaquin O. Roa	Project conclusion or closeout	4.0
WS	S-877	CON	Poole & Kent Company of Florida	11/8/2017	Jules Durand	Interim	3.8
	WO: 1						
WS	S-871	CON	Poole & Kent Company of Florida	11/14/2017	Huren An (Jeff)	Interim	3.3
WS	S-903	CON	Poole & Kent Company of Florida	12/8/2017	Huren An (Jeff)	Interim	3.4
WS	S-889	CON	Poole & Kent Company of Florida	1/18/2018	Huren An (Jeff)	Interim	3.5
WS	S-903	CON	Poole & Kent Company of Florida	3/2/2018	Daniel Edwards	Interim	3.6

WS	S-889	CON	Poole & Kent Company of Florida	5/16/2018	Huren An (Jeff)	Interim	3.4
WS	S-903	CON	Poole & Kent Company of Florida	5/18/2018	Huren An (Jeff)	Interim	3.4
WS	S-905R	CON	Poole & Kent Company of Florida	5/21/2018	Huren An (Jeff)	Interim	4.0
WS	S-852 WO: 1	CON	Poole & Kent Company of Florida	5/29/2018	Augustin J Durand	Project conclusion or closeout	3.6
WS	S-889	CON	Poole & Kent Company of Florida	8/3/2018	Huren An (Jeff)	Interim	3.6
WS	S-877	CON	Poole & Kent Company of Florida	8/22/2018	Jules Durand	Project conclusion or closeout	3.8
WS	S-890	CON	Poole & Kent Company of Florida	8/21/2018	Huren An (Jeff)	Interim	2.8
WS	S-891	CON	Poole & Kent Company of Florida	11/26/2018	Huren An (Jeff)	Interim	3.3
WS	S-905R	CON	Poole & Kent Company of Florida	1/9/2019	Huren An (Jeff)	Interim	4.0
WS	P0210	7360	Poole & Kent Company of Florida	2/12/2019	Huren An (Jeff)	Interim	3.0
WS	S-891	CON	Poole & Kent Company of Florida	2/12/2019	Huren An (Jeff)	Interim	3.3
WS	S-880	CON	Poole & Kent Company of Florida	2/19/2019	Daniel Edwards	Interim	3.0
WS	S-880	CON	Poole & Kent Company of Florida	2/20/2019	Daniel Edwards	Interim	2.7
WS	S-909	CON	Poole & Kent Company of Florida	2/21/2019	Huren An (Jeff)	Interim	3.1
WS	S-905R	CON	Poole & Kent Company of Florida	2/25/2019	Huren An (Jeff)	Interim	4.0
WS	S-897	CON	Poole & Kent Company of Florida	8/9/2019	Huren An (Jeff)	Interim	3.3
WS	S-891	CON	Poole & Kent Company of Florida	8/29/2019	Huren An (Jeff)	Interim	3.5
WS	P0210	7360	Poole & Kent Company of Florida	8/29/2019	Huren An (Jeff)	Interim	3.2
WS	P0210	7360	Poole & Kent Company of Florida	8/29/2019	Huren An (Jeff)	Interim	3.4
WS	S-870 WO: 1	CON	Poole & Kent Company of Florida	10/25/2019	James Ferguson	Interim	3.2
WS	S-909	CON	Poole & Kent Company of Florida	11/15/2019	Huren An (Jeff)	Interim	3.2

Evaluation Count: 77 Contractors: 1 Average Evaluation: 3.5

CONTRACT

THIS CONTRACT, made and entered into on the _____ day of _____, 20_____, by and between Miami-Dade County, Florida, acting by and through the Office of the Mayor, party of the first part (hereinafter sometimes called the "County"), and **Poole & Kent Company of Florida**, party of the second part (hereinafter sometimes called "Contractor");

WITNESSETH

That the parties hereto, for and in consideration of the covenants and agreements hereinafter set forth, mutually agree as follows, to wit:

1. That the Contractor shall furnish all labor, materials and equipment and perform all work in the manner and form provided by the Contract Documents covering the Project of the County known and identified as

**“CLARIFIERS AND HLD (ST-2B) SOUTH DISTRICT WASTEWATER
TREATMENT PLANT, CONTRACT NO. S-932”**

for the aggregate amount reflected by the Proposal, said aggregate amount being of **Eighty Four Million Three Hundred Seventy Six Thousand Two Hundred Dollars and No Cents (U.S. Dollars) \$84,376,200.00.**

2. That the Contractor shall begin the work to be performed under this Contract on a day to be specified in a written order issued by the Engineer, and shall fully complete all work hereunder within the time or times stated in the Proposal.

3. That the County shall pay to the Contractor for the faithful performance of this Contract, in lawful money of the United States, and subject to additions and deductions as provided in the Contract Documents, the total amount of the Proposal as set forth above at the times and in a manner stated in the General Covenants and Conditions of the Contract Documents.

4. It is further mutually agreed that if at any time after the execution of this Contract, Surety Performance and Payment Bond, the County shall deem the surety upon such bonds to be unsatisfactory, or if for any reason such bond shall become inadequate to cover the performance of the work, the Contractor shall at its own expense, within five (5) days after the receipt of notice from the County to do so, furnish an additional bond or bonds in such form and amount and with such surety or sureties as shall be satisfactory to the County. In such event, no further payment to the Contractor shall be deemed to be due under this Contract until such new or additional security shall have been furnished in a manner and form satisfactory to the County.

5. The "Contract Documents" are hereby defined as the Questionnaire, the Advertisement for Bids, the Instructions to Bidders, the Proposal, the Certified Resolution (Proposal/Prescribed Bid Bond), the Prescribed Bid Bond, the Contract, the Surety Performance and Payment Bond, the Certified Resolution (Contract/ Surety Performance and Payment Bond), the General Terms and Conditions, the Supplemental General Terms and Conditions, Special Provisions, the Supplemental General Conditions (if Ordinance 90-143 is applicable) including Wage and Benefit Schedules, the Specifications, the Plans, any Addenda which may be issued, the Subcontractor /Supplier Listing Form (Ordinance 97-104 as amended by Ordinance 00-30), the Reporting Subcontracting Policies and Procedures (Ordinance 98 -15

CONTRACT

9), the Small Business Enterprise Programs Participation Provisions and Forms (if applicable), and the provisions for the following: Vendors Affidavit (Uniform County Affidavits); Criminal Record (Felony) (as amended by Ordinance 00-30; Community Workforce Program County Code Section 2-1701, Office of Miami-Dade County Inspector General (IG) (if Ordinance 97-215 as amended by Ordinance 99-15 is applicable); Sworn Statement – Public Entity Crimes [Florida Statute Sect. 287.133 (3) (a)]; Change Orders; Notice to Proceed, Referenced Codes and Standards, Warranties and Guarantees, all related correspondence, field notes, logs, and other documents.

The General Terms and Conditions of said Contract Documents are incorporated herein by reference and made a part hereof as though fully set forth herein. The Contract Documents are complementary, so that a recital in one is tantamount to a recital in all, and the Contractor specifically acknowledges that it has read and understands all of said Contract Documents.

6. The various indemnities of the Contractor contained in the Contract Documents indemnifying the County from liability for damages to persons or property caused by acts, omissions, or defaults in the performance of the Contract Documents shall have a monetary limitation of the larger of the following: \$1,000,000.00, or the entire amount of the Contract.

7. The County retains the right to audit any and all information regarding this Contract as described in the General Covenants and Conditions, Section 41 "Audit Rights and Review of Records".

8. Notwithstanding and prevailing over any other provision of the Contract Documents to the contrary, the County Mayor or Mayor's designee's, may exercise the provisions of Section 2-8.2.12 (4)(d) and (e) of the Code of Miami-Dade County. Any change orders or amendments shall not exceed 10 percent of the base contract price in cumulative percentage amount; provided however, that the foregoing limitation shall not apply to any change order or amendment related to emergency actions impacting remediation, public safety, health requirements or recovery from natural disaster and the foregoing change orders and amendments shall require ratification by the Board; provided further that the County Mayor or his designee may reduce in any amount the scope and compensation payable under this Contract and grant compensable and non-compensable time extensions thereunder. Pursuant to Section 2-8.2.12 (5), the County Mayor or the County Mayor's designee's award and execution of this Contract is subject to ratification by the Board of County Commissioners. If the Mayor or the Mayor's designee's action is not ratified, and such legislative action becomes final, this Contract shall be deemed terminated without further notice. In such event, the Contractor shall not be entitled to recovery of any lost profits or other consequential or indirect damages. However, the Contractor is eligible for payment for any work done prior to failure of the ratification, in accordance with General Terms and Conditions Article 11.D(1) Termination for Convenience.

CONTRACT

IN WITNESS WHEREOF, the parties hereto have executed this Contract in four (4) counterparts, each of which shall be deemed an original Contract, all as of the day and year first hereinbefore written.

(OFFICIAL SEAL)

ATTEST: Harvey Ruvin
Clerk of the Board

MIAMI DADE COUNTY, FLORIDA
BY ITS BOARD OF COUNTY COMMISSIONERS

By: _____
Deputy Clerk

By: _____
Mayor or Mayor's Designee

(PARTY OF THE FIRST PART)

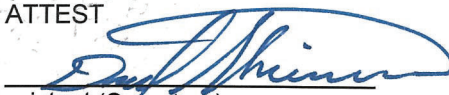
Approved as to Form and Legal Sufficiency

Assistant County Attorney
Miami-Dade Water and Sewer Department

WHEN THE CONTRACTOR IS A CORPORATION

(CORPORATION SEAL)

ATTEST


Assistant (Secretary)

David A. Strickland
(Print or type name)

Poole & Kent Company of Florida
(Name of Corporation)

By:


(Signature of Officer)

Patrick H. Carr
(Print or type name)

President & CEO
(Official Title)

1781 N.W. North River Drive

Miami, FL 33125
(Address)

(PARTY OF THE SECOND PART)

* Attach to each counterpart a certified copy of a resolution of the Board of Directors of the corporation authorizing the officer who signs the Contract and Surety Performance and Payment Bond to do so in its behalf.

CERTIFIED RESOLUTION

I, David A. Strickland, the duly elected Secretary of Assistant
(Name)

Poole & Kent Company of Florida, a Corporation organized and existing under the laws of the State of Delaware, do hereby certify that the following Resolution was unanimously adopted and passed by a quorum of the Board of Directors of the said Corporation at a meeting held in accordance with law and the by-laws of the said Corporation:

"IT IS HEREBY RESOLVED that Patrick H. Carr, the duly
(Name)
elected President & CEO of Poole & Kent Company of Florida
(Title of Officer)

be and is hereby authorized to execute and submit a Contract and Surety Performance and Payment Bond to Miami-Dade County, Florida, and the Miami-Dade Water and Sewer Department, respectively, for a certain Project entitled

CLARIFIERS AND HLD (ST-2B) SOUTH DISTRICT WASTEWATER TREATMENT PLANT, CONTRACT NO. S-932

and such other instruments in writing as may be necessary in behalf of the said Corporation, and that the Contract, Surety Performance and Payment Bond and other such instruments signed by him shall be binding upon the said Corporation as its own acts and deeds."

I further certify that the above Resolution is in force and effect and has not been revised, revoked or rescinded.

Given under my hand and the Seal of the said Corporation this 29th day
of April, 20 22.
(Month) (Year)

By:


Assistant (Secretary)

David A. Strickland
(Print or type name)

Poole & Kent Company of Florida
(Corporate Title)



NON-COLLUSION AFFIDAVIT

(In accordance with Sections 2-8.1.1 and 10-33.02.1 of the Code of Miami-Dade County)

I, the undersigned, am over 18 years of age, have personal knowledge of the facts stated in the Non-Collusion Affidavit (*this Affidavit*) and I am an owner, officer, director, principal shareholder and/or otherwise authorized to bind the Bidder/Proposer of this solicitation.

A. I have reviewed the list of respondents attached to this Affidavit. I state that the Bidder/Proposer of this competitive solicitation (check one):

☐ is **not related** to any of the other respondents submitting a Bid/Proposal in the competitive solicitation.

☐ is **related** to the following respondents who submitted a Bid/Proposal in the competitive solicitation, which are identified and listed below:

B. I state that the Bidder/Proposer of this competitive solicitation:

1. has prepared this Bid/Proposal independently without consultation, communication, agreement or arrangement with any other Bidder/Proposer or competitor for the purpose of restricting competition;
2. has submitted the Bid/Proposal in its own behalf, and not in the interest or on behalf of any person not therein named;
3. has not, directly or indirectly, induced or solicited any other Bidder/Proposer to put in a sham proposal, or any other person, firm, or corporation to refrain from proposing;
4. has not in any manner sought by collusion to secure an advantage over any other Bidder/Proposer.

Note: Any person or entity that fails to submit this executed Affidavit shall be ineligible for contract award. In accordance with Section 2-8.1.1 of the Code of Miami-Dade County, where two or more related parties, as defined herein, each submit a Bid for any contract, such Bids shall be presumed to be collusive. The foregoing presumption may be rebutted by the presentation of evidence as to the extent of ownership, control and management of such related parties in preparation and submittal of such Bids. **Related parties** shall mean the Bidder/Proposer; the principals, corporate officers, and managers of a Bidder/Proposer; or the spouse, domestic partner, parents, stepparents, siblings, children or stepchildren of a Bidder/Proposer or the principals, corporate officers and managers thereof which have a direct or indirect ownership interest in another Bidder/Proposer for the same contract or in which a parent company or the principals thereof of one Bidder/Proposer have a direct or indirect ownership interest in another Bidder/Proposer for the same contract. Bid/Proposal found to be collusive shall be rejected. Bidder/Proposer who has been found to have engaged in collusion may be considered non-responsible, and may be suspended or debarred, and any contract resulting from collusive bidding may be terminated for default.

Written Declaration: Pursuant to §92.525, Florida Statutes, under penalties of perjury, I declare that I have read the foregoing Affidavit and that the facts stated in it are true, accurate, and complete.

Solicitation No.: Contract No. S-932

Solicitation Title: CLARIFIERS AND HLD (ST-2B) SOUTH DISTRICT
WASTEWATER TREATMENT PLANT

By: _____

Date: _____ 20 ____

Signature of Affiant

Printed Name of Affiant and Title

____/____/____ - ____/____/____/____/____

Federal Employer Identification Number

Poole & Kent Company of Florida

Printed Name of Bidder/Proposer

Address of Bidder/Proposer



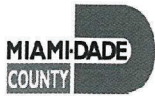
Exhibit A

Below listed are all other parties (legal entity) bidding/proposing in competitive

Solicitation No.: Contract No. S-932

Solicitation Title: CLARIFIERS AND HLD (ST-2B) SOUTH DISTRICT WASTEWATER
TREATMENT PLANT

Daniel O'Connell's Sons, Inc.
PCL Construction, Inc.
Kiewit Water Facilities Florida Co.



Miami-Dade County

VENDOR AFFIDAVITS FORM

(Uniform County Affidavits)

Internal Services Department (ISD)
Procurement Management Services Division
Vendor Services Section
111 NW 1st Street, Suite 1300, Miami, Florida 33128-1974

Telephone: 305-375-5773

www.miamidade.gov/procurement

The completion of the Vendor Affidavits Form allows vendors to comply with affidavit requirements outlined in Section 2-8.1 of the Code of Miami-Dade County. Vendors are required to have a complete Vendor Registration Package on file, including required affidavits, prior to the award of any County contract. **It is the vendor's responsibility to keep all affidavit information up to date and accurate by submitting any updates to the ISD, Procurement Management Services Division, Vendor Services Section.**

FEDERAL EMPLOYER**IDENTIFICATION NUMBER (FEIN)**

In order to establish a file for your firm, you must enter your firm's FEIN. This number becomes your "County Vendor Number". Please enter your Federal Employee Identification Number (FEIN) or if none, then enter the owner's Social Security Number (SSN).

☒ **FEIN** 75-3163466
NORTH AMERICAN INDUSTRY
CLASSIFICATION SYSTEM (NAICS)

The North American Industry Classification System (NAICS) is the standard used by the federal statistical agencies in classifying business establishments for the purpose of collecting, analyzing and publishing statistical data related to the U.S. business economy.

☒ **NAICS Code** 237110**SECTION 2: VENDOR AFFIDAVITS FORM (pages 5-8)****Poole & Kent Company of Florida**

A) Name of Entity, Individual(s), Partners or Corporation

B) Doing Business As (If same as line A, leave blank)

1781 N.W. North River Drive**Miami****FL****USA****33125**

Street Address (P.O. Box Number is not permitted)

City

State (U.S.A.)

Country

Zip Code

1. MIAMI-DADE COUNTY OWNERSHIP DISCLOSURE AFFIDAVIT

(Sec. 2-8.1 of the Miami-Dade County Code)

Firms registered to do business with Miami-Dade County, shall require the person contracting or transacting such business with the County to disclose under oath his or her full legal name, and business address. Such contract or transaction shall also require the disclosure under oath of the full legal name and business address of all individuals having any interest (legal, equitable, beneficial or otherwise) in the contract other than subcontractors, materialmen, suppliers, laborers or lenders. Post office box addresses shall not be accepted hereunder. If the contract or business transaction is with a corporation the foregoing information shall be provided for each officer and director and each stockholder holding, directly or indirectly, five (5) percent or more of the outstanding stock in the corporation. If the contract or business transaction is with a partnership, the foregoing information shall be provided for each partner. If the contract or business transaction is with a trust, the foregoing information shall be provided for the trustee and each beneficiary of the trust. The foregoing disclosure requirements shall not apply to contracts with publicly-traded corporations, or to contracts with the United States or any department or agency thereof, the State or any political subdivision or agency thereof, or any municipality of this State. Use duplicate page if needed for additional names.

If no officer, director or stockholder owns (5%) or more of stock, please write "None" below.

PRINCIPALS

FULL LEGAL NAME	TITLE	ADDRESS
N/A		

OWNERS

FULL LEGAL NAME	TITLE	% OF OWNERSHIP	ADDRESS	CHECK BOXES BELOW								
				GENDER		RACE / ETHNICITY						
				M	F	White	Black	Hispanic	Asian/Pacific Islander	Native American/Alaskan Native	Other	
N/A												

If a percentage of the firm is owned by a publicly traded corporation or by another corporation, indicate below in the space "Other Corporations".

OTHER CORPORATIONS	% OF OWNERSHIP	
EMCOR Group, Inc.	100%	301 Merrit Seven, Norwalk, CT 06851

2. MIAMI-DADE COUNTY EMPLOYMENT DISCLOSURE AFFIDAVIT

(County Ordinance No. 90-133, amending Section 2.8-1(d)(2) of the Miami-Dade County Code)

The following information is for compliance with all items in the aforementioned Section:

1. Does your firm have a collective bargaining agreement with its employees? Yes X No
2. Does your firm provide paid health care benefits for its employees? Yes X No
3. Provide a current breakdown (number of persons) in your firm's work force indicating race, national origin and gender.

		NUMBER OF EMPLOYEES	
		Males	Females
White		55	6
Black		18	0
Hispanic		30	9
Asian/Pacific Islander		2	0
Native American/Alaskan Native		0	0
Other		0	0
Total Number of Employees		105	15
		120	
		Total Employees	

3. MIAMI-DADE COUNTY EMPLOYMENT DRUG-FREE WORKPLACE CERTIFICATION

(Section 2-8.1.2(b) of the Miami- Dade County Code)

All persons and entities that contract with Miami-Dade County are required to certify that they will maintain a drug-free workplace and such persons and entities are required to provide notice to employees and to impose sanctions for drug violations occurring in the workplace.

In compliance with Ordinance No. 92-15 of the Code of Miami-Dade County, the above named firm is providing a drug-free workplace. A written statement to each employee shall inform the employee about:

1. Danger of drug abuse in the workplace
2. The firms' policy of maintaining a drug-free environment at all workplaces
3. Availability of drug counseling, rehabilitation and employee assistance programs
4. Penalties that may be imposed upon employees for drug abuse violations

The firm shall also require an employee to sign a statement, as a condition of employment that the employee will abide by the terms of the drug-free workplace policy and notify the employer of any criminal drug conviction occurring no later than five (5) days after receiving notice of such conviction and impose appropriate personnel action against the employee up to and including termination. Firms may also comply with the County's Drug Free Workplace Certification where a person or entity is required to have a drug-free workplace policy by another local, state or federal agency, or maintains such a policy of its own accord and such policy meets the intent of this ordinance.

4. MIAMI-DADE COUNTY DISABILITY AND NONDISCRIMINATION AFFIDAVIT

(Article 1, Section 2-8.1.5 Resolution R182-00 Amending R-385-95 of the Miami-Dade County Code)

Firms transacting business with Miami-Dade County shall provide an affidavit indicating compliance with all requirements of the Americans with Disabilities Act (A.D.A.).

I, state that this firm, is in compliance with and agrees to continue to comply with, and assure that any subcontractor, or third party contractor shall comply with all applicable requirements of the laws including, but not limited to, those provisions pertaining to employment, provision of programs and services, transportation, communications, access to facilities, renovations, and new construction.

The American with Disabilities Act of 1990 (A.D.A.), Pub. L. 101-336, 104 Stat 327, 42 U.S.C. Sections 225 and 611 including Titles I, II, III, IV and V.

The Rehabilitation Act of 1973, 29 U.S.C. Section 794

The Federal Transit Act, as amended, 49 U.S.C. Section 1612

The Fair Housing Act as amended, 42 U.S.C. Section 3601-3631

I, hereby affirm that I am in compliance with the below sections:

Section 2-10.4(4)(a) of the Code of Miami-Dade County (Ordinance No. 82-37), which requires that all properly licensed architectural, engineering, landscape architectural, and land surveyors have an affirmative action plan on file with Miami-Dade County.

Section 2-8.1.5 of the Code of Miami-Dade County, which requires that firms that have annual gross revenues in excess of five (5) million dollars have an affirmative action plan and procurement policy on file with Miami-Dade County. Firms that have a Board of Directors that are representative of the population make-up of the nation may be exempt.

5. MIAMI-DADE COUNTY DEBARMENT DISCLOSURE AFFIDAVIT

(Section 10.38 of the Miami-Dade County Code)

Firms wishing to do business with Miami-Dade County must certify that its contractors, subcontractors, officers, principals, stockholders, or affiliates are not debarred by the County before submitting a bid.

I, confirm that none of this firms agents, officers, principals, stockholders, subcontractors or their affiliates are debarred by Miami-Dade County.

6. MIAMI-DADE COUNTY VENDOR OBLIGATION TO COUNTY AFFIDAVIT

(Section 2-8.1 of the Miami-Dade County Code)

Firms wishing to transact business with Miami-Dade County must certify that all delinquent and currently due fees, taxes and parking tickets have been paid and no individual or entity in arrears in any payment under a contract, promissory note or other document with the County shall be allowed to receive any new business.

I, confirm that all delinquent and currently due fees or taxes including, but not limited to, real and personal property taxes, convention and tourist development taxes, utility taxes, and Local Business Tax Receipt collected in the normal course by the Miami-Dade County Tax Collector and County issued parking tickets for vehicles registered in the name of the above firm, have been paid.

7. MIAMI-DADE COUNTY CODE OF BUSINESS ETHICS AFFIDAVIT

(Article 1, Section 2-8.1(i) and 2-11(b)(1) of the Miami-Dade County Code through (6) and (9) of the County Code and County Ordinance No 00-1 amending Section 2-11.1(c) of the County Code)

Firms wishing to transact business with Miami-Dade County must certify that it has adopted a Code that complies with the requirements of Section 2-8.1 of the County Code. The Code of Business Ethics shall apply to all business that the contractor does with the County and shall, at a minimum; require the contractor to comply with all applicable governmental rules and regulations.

I confirm that this firm has adopted a Code of business ethics which complies with the requirements of Sections 2-8.1 of the County Code, and that such code of business ethics shall apply to all business that this firm does with the County and shall, at a minimum, require the contractor to comply with all applicable governmental rules and regulations.

8. MIAMI-DADE COUNTY FAMILY LEAVE AFFIDAVIT

(Article V of Chapter 11, of the Miami-Dade County Code)

Firms contracting business with Miami-Dade County, which have more than fifty (50) employees for each working day during each of twenty (20) or more work weeks in the current or preceding calendar year, are required to certify that they provide family leave to their employees.

Firms with less than the number of employees indicated above are exempt from this requirement, but must indicate by letter (signed by an authorized agent) that it does not have the minimum number of employees required by the County Code.

I confirm that if applicable, this firm complies with Article V of Chapter 11 of the County Code, which requires that firms contracting business with Miami-Dade County which have more than fifty (50) employees for each working day during each of twenty (20) or more work weeks in the current or preceding calendar year are required to certify that they provide family leave to their employees.

9. MIAMI-DADE COUNTY LIVING WAGE AFFIDAVIT

(Section 2-8.9 of the Miami-Dade County Code)

All applicable contractors entering into a contract with the County shall agree to pay the prevailing living wage required by this section of the County Code.

I confirm that if applicable, this firm complies with Section 2-8.9 of the County Code, which requires that all applicable employers entering a contract with Miami-Dade County shall pay the prevailing living wage required by the section of the County Code.

10. MIAMI-DADE COUNTY DOMESTIC LEAVE AND REPORTING AFFIDAVIT

(Article 8, Section 11A-60 - 11A-67 of the Miami-Dade County Code)

Firms wishing to transact business with Miami-Dade County must certify that it is in compliance with the Domestic Leave Ordinance.

I confirm that if applicable, this firm complies with the Domestic Leave Ordinance. This ordinance applies to employers that have, in the regular course of business, fifty (50) or more employees working in Miami-Dade County for each working day during the current or preceding calendar year.

AFFIRMATION

I, being duly sworn, do attest under penalty of perjury that the entity is in compliance with all requirements outlined in these Miami-Dade County Vendor Affidavits.

I also attest that I will comply with and keep current all statements sworn to in the above affidavits and registration application. I will notify the Miami-Dade County, Vendor Services Section immediately if any of the statements attested hereto are no longer valid.



(Signature of Affiant)

April 29, 2022

(Date)

Patrick H. Carr, President & CEO

Printed Name of Affiant and Title

NOTARY PUBLIC INFORMATION

Notary Public —

State of: **Florida**

State

Miami-Dade

County of

SUBSCRIBED AND SWORN TO (or affirmed) before me this **29th** day of **April** 20 **22**.

by **Patrick H. Carr**

He or she is personally known to me ☒

Or has produced identification ☐

Type of Identification Produced _____



Signature of Notary Public

HH 062370

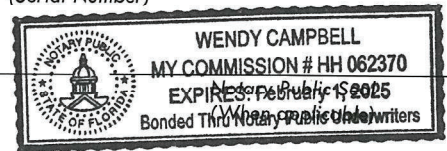
(Serial Number)

Wendy Campbell

Print or Stamp of Notary Public

February 1, 2025

Expiration Date





Memorandum

To: Paul Adams, Manager Construction Contract Division MDWASD

From: Layla Llewelyn, P.E. CDM Smith 

Date: April 15, 2022

Subject: ST-2B Clarifiers and HLD (Contract S-932) - Bid Evaluation and Required Clarifications

The bid opening for Contract No. S-932, Miami-Dade Ocean Outfall Legislation (OOL) Program Project ST-2B, Clarifiers and HLD, took place on March 23, 2022, at 2:00 PM via MS Teams. Four bids were received, as listed in **Table 1** below.

Table 1 Bid Tabulation Summary

Company Name	Base Bid	Total Bid*
Poole & Kent	\$73,740,000	\$84,376,200
Daniel O'Connell's Sons	\$80,250,000	\$91,732,500
PCL Construction	\$82,420,603	\$94,185,281
Kiewit Water Facilities Florida Co.	\$93,210,000	\$106,377,300

*The total bid includes contingencies and dedicated allowance.

The Opinion of Probable Construction Cost (OPCC), developed in November 2021, estimated the subtotal cost at \$55,087,000 and a total cost, including contingencies and dedicated allowances, of \$63,298,310. The bid by Poole & Kent, which is the apparent low bid, is approximately 32% above the estimated OPCC, which is outside the range of accuracy for an AACE Class 1 cost estimate of +3% to +15% above the estimated cost.

Global market conditions have changed since the OPCC was finalized in November, and the OPCC was updated in April 2022 to reflect those conditions. Refer to **Attachment 1** for details of the updates performed. The updated OPCC, including contingencies and allowances, is \$81,492,440, which makes the low bid approximately 3.6% higher than the updated OPCC. The updated OPCC by Bid Item may be found in **Attachment 2**, and the comparison of the lowest bid to the November 2021 and the April 2022 OPCCs may be found as Attachment 1.

Commentary on the variability between bid costs and the estimated cost on a bid item level is also discussed in Attachment 1. **Table 2** summarizes the largest variances for the apparent low bidder.

Table 2 Bid Item Variances for Apparent Lowest Bidder

Bid Item	Description	Engineer's 2022 OPCC	Poole & Kent	Variance from OPCC
2	Junction Box 11/12	\$1,865,000	4,000,000	114%
6	Filters 31 to 36	\$24,120,000	\$23,040,000	-4%
7	South Building - Backwash and Air Scour System	\$2,267,000	\$3,000,000	32%
9	RAS PS 1 24" Pipe	\$112,000	\$200,000	79%

The above bid items, from each of the bids, were reviewed for a better understanding of the variances. **Table 3** shows the comparison of variances by other bidders against the price bid by the apparent low bidder. This review indicates that while there are variances across the items, the bids from the apparent low bidder and the second lowest bidder are competitive, possibly indicating that each of bidders may have accounted for uncertainties of current global market conditions in a different manner across bid items.

Table 3 Comparison of Bid Variances

Bid Item	Description	Poole & Kent	Daniel O'Connell's Sons	PCL Construction	Kiewit Water Facilities Florida Co.
2	Junction Box 11/12	\$4,000,000	\$3,500,000	\$24,000,000	\$5,650,000
	Bid Item difference, compared to apparent Low bidder (dollars)	--	\$(500,000)	\$20,000,000	\$1,650,000
	Bid Item difference, compared to apparent Low bidder (percentage)	--	-13%	500%	41%
6	Filters 31 through 36	\$23,040,000	\$31,875,000	\$16,169,948	\$23,260,000
	Bid Item difference, compared to apparent Low bidder (dollars)	--	\$8,835,000	\$(6,870,052)	\$220,000
	Bid Item difference, compared to apparent Low bidder (percentage)	--	38%	-30%	1%
7	South Building - Backwash and Air Scour System	\$3,000,000	\$2,500,000	\$843,755	\$4,500,000
	Bid Item difference, compared to apparent Low bidder (dollars)	--	\$(500,000)	\$(2,156,245)	\$1,500,000
	Bid Item difference, compared to apparent Low bidder (percentage)	--	-17%	-72%	50%
9	RAS PS 1 - 24-inch pipe	\$200,000	\$125,000	\$113,173	\$5,000,000
	Bid Item difference, compared to apparent Low bidder (dollars)	--	\$(75,000)	\$(86,827)	\$4,800,000

Bid Item	Description	Poole & Kent	Daniel O'Connell's Sons	PCL Construction	Kiewit Water Facilities Florida Co.
	Bid Item difference, compared to apparent Low bidder (percentage)	--	-38%	-43%	2400%

In addition to evaluating the bid prices, we reviewed Poole & Kent's submittal, qualifications, and references, included in their proposal. Of the documents required for submittal with the Bid, it should be noted that a dollar value was not identified on the Bid Bond form. Instead, it lists 5% of the amount bid, which should be acceptable. **Table 4** identifies clarifications needed under "Comments" on the submitted qualifications in boldface text.

Table 4 Clarifications for Qualifications

Bid Advertisement Qualifications and Experience Requirements	Comments
The Bidder's proposed project manager shall have successfully completed a minimum of three (3) projects demonstrating project management experience with large wastewater treatment upgrade projects having a total construction value (for each project) greater than \$50 million. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.	The Bidder's proposed project manager is Mr. Salinas. Clarification/confirmation that he meets the minimum requirement of 3 completed projects is needed. Projects listed and considered for this experience: - NRWWTP Facility Improvements - Solids, Pompano Beach - \$55.9 million, Project Ongoing (ECD - 1/31/23) – Completion date is beyond advertisement date. Is there another qualifying project? - NRWWTP Expansion, Pompano Beach - \$53.2 million, Project shown as completed after invitation to bid (3/30/22) - Completion date is beyond bid advertisement date. Is there another qualifying project? - SDWWTP HLD Upgrade S-805 - \$135 million, Project completed 11/30/13. Meets criteria.

Table 4 Clarifications for Qualifications

Bid Advertisement Qualifications and Experience Requirements	Comments
The Bidder must have successfully completed a minimum of three (3) projects that have included procurement and installation of positive displacement blowers and 75-hp or larger horizontal end-suction and/or non-clog pumps in wastewater treatment plants with capacities of 10 mgd or larger, with this work being performed while maintaining operations of the wastewater treatment facility. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.	Bidder has wastewater facility experience; however, qualifications package does not explicitly indicate capacity of blowers and pumps installed as noted below. ▪ SDWWTP Filter System Upgrade, S-805, Plant Capacity 285 MGD; Meets Criteria ▪ ECRWRF Biosolids Improvements, Plant Capacity: 70 MGD; Meets Criteria. ▪ SW WRF Expansion & Upgrades, Plant Capacity: 15 MGD; Confirm if 450 HP Centrifugal blowers are positive displacement and confirm if Non-Clog pumps are 75 HP or larger. ▪ Other projects listed are less than 10 mgd capacity.
The Bidder or the Bidder's Electrical Subcontractor shall have successfully completed a minimum of three (3) projects demonstrating experience procuring and installing main electrical equipment; medium voltage electrical power systems, including medium voltage motors and starters; and low voltage power systems, including low voltage motors and variable frequency drives (VFD) with this work being performed while maintaining operations of a wastewater treatment facility. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.	Bidder provided qualifications for multiple Electrical Subcontractors. It is not explicitly stated that all the listed Electrical Subcontractors will participate in the project. At least contractor or any one (1) subcontractor should meet criteria. Qualifications should be confirmed as noted below. ▪ List by Contractor and Subcontractor the projects proposed to meet the qualification requirement. The list should describe what <u>specific</u> qualification requirements each project meets (<u>procuring and installing main electrical equipment, medium voltage motors and starters, electrical systems, low voltage motors and variable frequency drives (VFDs)</u>).
The Bidder or Bidder's Electrical Subcontractor Lead Electrician shall have successfully completed a minimum of one (1) project demonstrating experience with medium voltage electrical power systems, including medium voltage motors and starters and low voltage power systems, including low voltage motors and variable frequency drives	Multiple Contractors/subcontractors are listed for this experience; however, a person is not identified for this role. Identify Lead Electrician and provide resume for confirmation of required project experience.

Table 4 Clarifications for Qualifications

Bid Advertisement Qualifications and Experience Requirements	Comments
(VFD), with this work being performed while maintaining operations of a wastewater treatment facility. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.	
The Bidder or Bidder's Instrumentation and Controls Subcontractor shall have successfully completed a minimum of two (2) project demonstrating experience with instrumentation and controls including connections into an existing SCADA. The experience may be demonstrated by the general CONTRACTOR or a specialty subcontractor for their discipline work, with this work being performed while maintaining operations of a wastewater treatment facility. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.	Bidder meets the criteria.

The above clarifications should be sought from the apparent low bidder, Poole and Kent, for the qualifications for the completion of the evaluation and bid recommendation.

cc: Victor J Pujals, P.E.
Carl Frizzell, P.E.

File: PW.EXT.6430-221058_Rev2.04.15.06

Enclosures:

Attachment 1 – Post Bid Evaluation
Attachment 2 – 2022 Updated OPCC on Bid Form

Attachment 1

Post Bid Evaluation

Project: CDM Smith Clarifiers and HLD (ST-2B) Revision 2, South District Wastewater Treatment Plant PCTS 13769, Contract S-932, PCTS Number 13769

RE: Post Bid Evaluation

Date: 4/7/2022

Background

The ST-2B project consists of several new facilities and expansion of existing ones at the SDWWTP. The Permit Set Opinion of Probable Construction Cost (OPCC) that was used to advertise the project, was developed in November 2021. The bids were received approximately 5 months later in March 2022. The lowest bid was approximately 32% higher than the OPCC.

The following sections describe the factors that can be explain the higher bid results as well as the corresponding adjustments to the OPCC to reflect these factors.

1. GLOBAL FACTORS AFFECTING CONSTRUCTION COSTS

The following are some of the factors that can be inferred as drivers of this higher cost:

- A. Construction costs continued to experience escalating costs through December 2021 and early part of 2022. An indicator of the escalating cost was an unprecedented 0.5% monthly increase (6.2% annual) construction costs in general as evidenced by various indices (United States Army Corps of Engineers CWCCI Escalation Calculator and Turner Construction Cost Index).
- B. The highly uncertain material pricing and other resources such as fuel (fuel increase of approx. 25%) have also created a more conservative bidding environment. Contractors are less likely to assume risk and may have structured their bids to reflect this uncertainty.
- C. Material quotes currently provided by suppliers are qualified to only be valid for 30 days and subject to “cost volatility” factors. This limited time frame for purchases adds to the material pricing uncertainty to be absorbed by Subcontractors and/or the General Contractor. This risk is translated into higher markups or contingency factors applied by Subcontractors and/or the General Contractor.
- D. The already stretched global supply chain affected by the Covid 19 epidemic, that has affected global markets for the past year, as identified in item 1.A; was further impacted by the Russia-Ukraine conflict that started in February 2022. The rising fuel prices, exacerbated supply chain impacts, increased transportation cost are evident in our economy.
- E. These global factors have impacted various materials that are part of this project. There are various pieces of wastewater equipment that are largely composed of steel that have seen cost rise in excess of 15 to 20%, as evidenced by Price Increase notification letters received by all stakeholders in the last few weeks. Additionally, Prestressed Concrete Cylinder Pipe (PCCP), a large component of this project, has a steel cylinder component that is likely to have also experienced a large cost increase.
- F. In addition to material cost increases, labor costs have also increased due to various factors such as labor force scarcity and rising competition between contractors to attract construction workers.

2. ST-2B RESULTING COST ADJUSTEMENTS

Based on the Global Factors listed above, the following adjustments were made to reflect the impact on the ST-2B OPCC.

- A. Escalation costs to mid-point of construction for materials was modified from 3% annual to 6% as described in Factor 1. A above.
- B. Subcontractor markups for supervision, indirect costs and profit markup were adjusted from a competitive bidding environment at 18% to a more conservative approach at 30%. See Factor 1.B above.
- C. Similar to item 2. B, the General Contractor markups were adjusted to reflect the current bidding environment from a 21.5% overall markup for Supervision, Indirect Cost and Profit to a 30% overall markup.

- D. Due to the material price volatility, the assumption that the General Contractor would purchase all large equipment and materials and optimize their bid, rather than the Subcontractor purchasing them, was removed. This approach would be consistent with a riskier bidding environment.
- E. Material costs for large equipment such as clarifier mechanisms, filter system and PCCP pricing were adjusted by increasing it by approximately 12% to reflect current material pricing as described in Factor 1.E above. In consultation with local suppliers for these items, the cost increase was confirmed
- F. Labor costs were updated to 2022 rates from those used in the 2021 OPCC.

3. UNIT PRICE VARIANCES

- A. Overall percent difference between Low Bid and 2021 OPCC is approx. 32%. Individual Bid Items vary percentage wise, ranging from 9% to 193%. Some of the large percentage differences represent low dollar values relative to the overall cost (Bid Items 2 and 9).
- B. The percentage differences between the Adjusted 2022 OPCC range from -4% to 114%. Again, the large percentage variances are found in Bid Items 2 and 9.
- C. In some instances, bidders may offset some of the lump sum bid values with Indirect Costs to benefit from earlier payment ("front loading"). This could be the case for Bid Items 1 and 2, Mobilization and Junction Box, respectively.
- D. It is worth noting that some Bid Items such as Item 6 – Filters 31 to 36, were estimated higher in the 2022 OPCC than the Low Bid and could represent the "front loading" approach described previously.

4. ST-2B TOTAL OPCC VALUES COMPARISON TO LOW BID

					2021 OPC	2022 Adjusted OPCC			2022 Low Bid Poole & Kent	OPCC to Low Bid Percent and Cost Difference			
Biditem	Estimate Numer	Description	Quantity	Units	Escalated Total	Escalated Total	Increase from 2021		Total	2021 OPCC %	2021 OPCC \$	2022 Adjusted OPCC %	2022 Adjusted OPCC \$
1	120	MOBILIZATION	1	LS	2,625,000	2,896,000	10%		3,500,000	33%	\$ 875,000	21%	\$ 604,000
2	200	JUNCTION BOX 11/12	1	LS	1,365,000	1,865,000	37%		4,000,000	193%	\$ 2,635,000	114%	\$ 2,135,000
3	300	CLARIFIER 12	1	LS	21,121,000	28,080,000	33%		28,000,000	33%	\$ 6,879,000	-0.3%	\$ (80,000)
4	400	RAS PS 3 IMPROVEMENTS	1	LS	3,675,000	4,602,000	25%		4,000,000	9%	\$ 325,000	-13%	\$ (602,000)
5	500	TRANSFER BYPASS STATION IMPROVEMENTS	1	LS	1,680,000	1,757,000	5%		2,000,000	19%	\$ 320,000	14%	\$ 243,000
6	600	FILTERS 31 TO 36	1	LS	19,952,000	24,120,000	21%		23,040,000	15%	\$ 3,088,000	-4%	\$ (1,080,000)
7	650	SOUTH BLDG - BACKWASH AND AIR SCOUR SYSTEM	1	LS	1,713,000	2,267,000	32%		3,000,000	75%	\$ 1,287,000	32%	\$ 733,000
8	800	96" PCGP - FILTER CHANNEL BYPASS	1	LS	3,397,000	5,489,000	62%		6,000,000	77%	\$ 2,603,000	9%	\$ 511,000
9	900	RAS PS 1 24" PIPE	1	LS	84,000	112,000	33%		200,000	138%	\$ 116,000	79%	\$ 88,000
		ST-2B TOTAL			55,612,000	71,188,000	28%		73,740,000	32.6%	\$ 18,128,000	3.6%	\$ 2,552,000

5. REFERENCES

- Cost Escalation Indices mentioned in Item 1.A, are attached to this report CWCCI and TCCI
- Price Increase notification letters mentioned in item 1.E

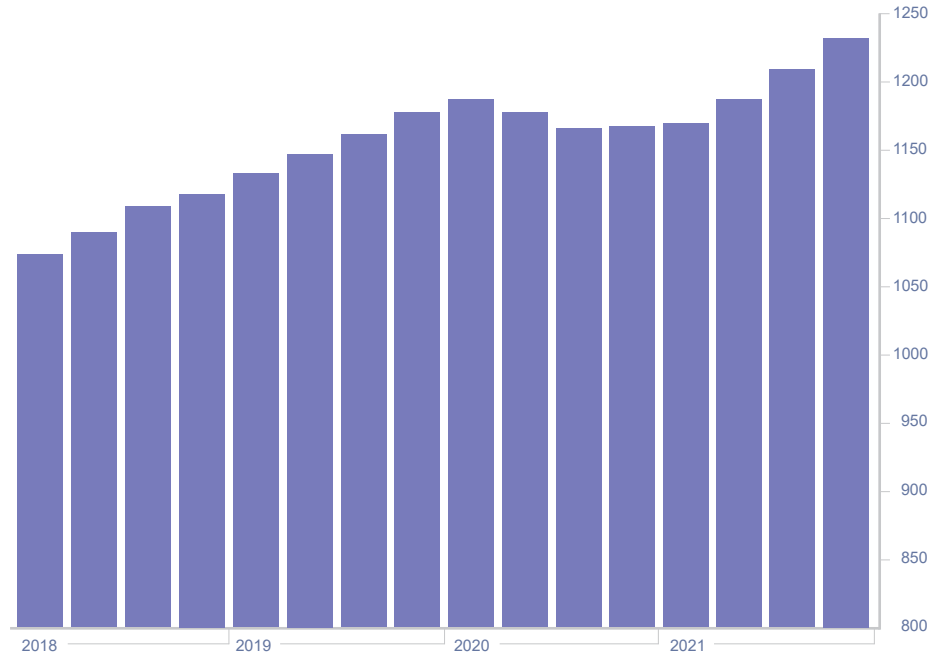
Construction Cost Indices:

USACE -CWCCIS

Turner Construction Index

“While some material prices appear to show signs of leveling, there is continual escalation in steel, copper, and aluminum prices. In addition, the supply chain disruptions have continued at unprecedented levels. With subcontractor backlog returning to pre-pandemic levels and skilled labor shortages persisting, competitiveness by vendors and subcontractors appears to be somewhat less aggressive as compared to earlier in 2021.”

Attilio Rivetti
Vice President



Quarter	Index	Δ%
4th Quarter 2021	1230	1.91
3rd Quarter 2021	1207	1.68
2nd Quarter 2021	1187	1.28
1st Quarter 2021	1172	0.09

Year	Average Index	Δ%
2021	1199	1.9
2020	1177	1.8
2019	1156	5.5
2018	1096	5.6
2017	1038	5.0
2016	989	4.8
2015	943	4.5
2014	902	4.4
2013	864	4.1
2012	830	2.1
2011	812	1.6
2010	799	-4.0
2009	832	-8.4

Turner

[About Us](#) [Our Experience](#) [Careers](#) [Office Network](#)

[Home](#) >> [Cost Index](#)

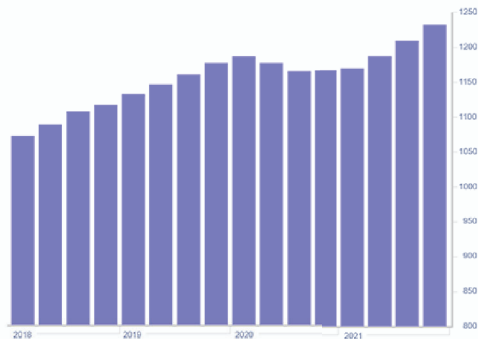
Cost Index

Turner's Fourth Quarter Building Cost Index: Cost of Construction Materials Continue to Rise

Fourth Quarter 2021 Turner Building Cost Index—which measures costs in the non-residential building construction market in the United States—had increased to the value of 1230. This represents a 1.91% quarterly increase from the Third Quarter 2021 and a **5.04% yearly increase from the Fourth Quarter 2020**.

“While some material prices appear to show signs of leveling, there is continual escalation in steel, copper, and aluminum prices. In addition, the supply chain disruptions have continued at unprecedented levels. With subcontractor backlog returning to pre-pandemic levels and skilled labor shortages persisting, competitiveness by vendors and subcontractors appears to be somewhat less aggressive as compared to earlier in 2021.”

Attilio Rivetti
Vice President



Quarter	Index	% Change
4th Quarter 2021	1230	1.91
3rd Quarter 2021	1207	1.88
2nd Quarter 2021	1187	1.28
1st Quarter 2021	1172	0.09

The Turner Building Cost Index is determined by the following factors considered on a nationwide basis: labor rates and productivity, material prices and the competitive condition of the marketplace.

Turner

ost-index

Price Increase Notification Letters from Vendors

Carl Eric Johnson, Inc.

1725 Q MacLeod Drive
Lawrenceville, GA 30043



Engineered Systems & Process Equipment

Phone: (800) 737-2235

Fax: (678) 377-2021

March 15, 2022

All customers-

Re: 2022 Price Increase

Due to the continued extraordinary rising costs of materials, labor and freight, Grundfos has announced a price increase effective April 2022. The increase will be approximately 15% on average based on the specific product and product category.

CEJ continues to make every effort to minimize the impact of these increases to our customers. **To that end, to best minimize the impacts of both 2022 pricing increases and shipping backlogs, we encourage all of our valued customers to consider placing orders as soon as possible.** All orders will be shipped when available and cannot be held for delayed or complete shipment. Please feel free to direct any specific questions to your local CEJ Sales Engineer.

Thank you for your continued support. We appreciate your business.

Sincerely,

Carl Eric Johnson, Inc.

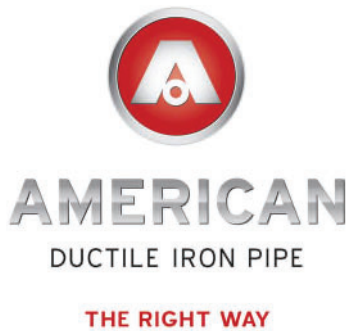
Warehouse & Service:

Lakeland, FL
Lawrenceville, GA

www.cejco.net

Sales Offices:

Eight locations throughout the
Southeast



March 21, 2022

To: AMERICAN Ductile Iron Pipe Customers and Distributors

Subject: **New DIP Pricing Structure: Effective April 1, 2022**

For several weeks now, the world has both observed and been affected by the conflict between Russia and Ukraine. The global economy has struggled to adjust to the impacts of the conflict, and the already stretched global supply chain has now been further limited due to constrictions on supply from those countries. As a result of this supply shortage, many of the raw materials necessary for the production of ductile iron pipe have already experienced critically lengthened lead times and extreme cost volatility. Additionally, costs to transport our products to market have been impacted by rising fuel prices. The unusual nature of this current economy has made it very difficult to predict how costs will fluctuate, so it has become necessary for us to implement a new pricing structure for our ductile iron pipe and other products.

Following are the necessary actions we must take in response to this rapid cost volatility:

Beginning April 1, 2022

- American will maintain a **base price** for our products. The current base price became effective on February 15, 2022 (see letter dated February 1, 2022).
- Additional cost volatility will be added to the base price and will be included in the quoted unit prices for our materials. Scrap volatility will be tracked for increases above and beyond the base scrap price in effect on February 15, 2022. This index can be monitored via Fastmarkets (www.fastmarkets.com). Quoted prices will be either base price or base price plus a cost volatility adder.
- Quotes will be valid for 30 days
- Materials must be ordered within the 30-day quote validity period and those orders must ship within 30 days of order entry date.
- Materials which do not ship within the 30-day period will be subject to the applicable cost volatility adders at time of shipment. We recommend re-checking pricing within 30 days of shipment to confirm any cost adjustments. Additionally, we recommend tracking scrap cost changes via Fastmarkets.
- If further cost impacts become apparent, AMERICAN may need to increase our base prices. Should a base price increase become necessary, AMERICAN will issue a base price increase announcement. Any further cost volatility adders will still be applicable at that time.

Current Open Orders and Outstanding Quotations

- All open orders which have been placed prior to February 15, 2022 are now subject to new quote terms and must be repriced to meet the current base price plus applicable cost volatility adders.
- All orders must now include a volatility adder prior to shipment.
- All outstanding quotations must be repriced to current base pricing and must include the applicable cost volatility adder and revised terms.

While there is no perfect solution for these volatile market conditions, this new pricing structure is intended to help our DIP customers and partners to plan for and adapt to current and future cost impacts. Our ACIPCO staff will assist you through this transitional time. As always, we at AMERICAN appreciate your support, and we thank you for your business.

Sincerely,

W.D. “Skip” Benton
VP, Sales

Christopher S. Jarrett
Director, Sales



A Forterra Company

March 14, 2022

To: Valued Distribution Partners and Customers
Re: **Scrap Surcharge**

As you are aware, the Russia-Ukraine conflict has resulted in additional disruptions to an already stretched supply chain. This conflict has impacted multiple inputs to our manufacturing process, the biggest of which is our scrap metal costs. Given the current situation, demand for steel and iron to be supplied by other countries is quickly growing. Those manufacturers are looking to buy more scrap, the same scrap we buy for daily operations. As a result, scrap costs are rising very quickly. The restrictions on pig iron coming from Russia and Ukraine further exacerbates the demand for scrap.

Effective April 1, 2022, all product shipping from our facilities will incur a scrap surcharge to cover these increased scrap costs. While we hope this is a short-lived market condition, we have to prepare for the likely reality that this persists until the conflict has come to resolution, global sanctions on that region of the world are lifted, or some other market mechanism helps compensate for the increase in demand.

That surcharge will be based on the national increase in shredded scrap pricing as tracked by Fastmarkets (<https://www.fastmarkets.com>). The prior month average is released on the first business day of the month (i.e., the increase for March will be confirmed on April 1st). It will be communicated on the second of the month and made effective the fifth day of the month. The shredded scrap index is highly correlated to the busheling index which was up \$175/ton between February and March. Because of the even higher demand for busheling, we expect the shredded index to be up, but not more than busheling. Based on what we know as of this time, a good planning number should be between \$125-175/ton. All surcharges will be noted as a separate line item on your invoice.

As you know, our typical approach is to absorb increases and movements in raw materials pricing both small and large; however, the movement over the last two weeks is historically unprecedented. We believe a surcharge is the most effective mechanism for an adjustment because we intend for this to be temporary. When scrap pricing returns to February 2022 levels, we will pull back the surcharge. Should the conflict last longer and scrap prices remain higher for an extended period of time, we may consider converting the surcharge to a more permanent price increase, but it would be premature to determine that now.

Also note, we will continue to strictly enforce our terms and conditions. If you wish to cancel your order for Made to Stock (MTS) material in lieu of paying a surcharge, you may do so with no cancellation fees. Cancellation fees still apply to Made to Order (MTO) materials.

We regret having to take these actions; however, the metals markets have been greatly impacted by the situation abroad. We appreciate your support and patience while we all navigate these uncertain times.

Best Regards,

A handwritten signature in blue ink, appearing to read "Vik Bhatia".

Vik Bhatia
President
214-693-1578

A handwritten signature in blue ink, appearing to read "H. Smith".

Howard Smith
Sr. Vice President of Marketing & Sales
919-757-5411



AMERICAN

FLOW CONTROL

THE RIGHT WAY

March 17, 2022

TO: AMERICAN Flow Control Distributors

RE: PRICE INCREASE - Effective March 18, 2022

Due to extreme increases in input and transportation costs, AMERICAN Flow Control will implement a price increase of **approximately 10 percent** effective at close of business, March 17, 2022. We will increase prices by reducing discounts applied to our price list dated December 1, 2021. Increases will affect the products shown below:

PRODUCT
AWWA & UL/FM DRY BARREL FIRE HYDRANTS
2" – 12" RESILIENT WEDGE GATE & TAPPING VALVES
14" – 24" RESILIENT WEDGE GATE & TAPPING VALVES
ALL CHECK VALVES
UL/FM INDICATOR POSTS
ALL TAPPING SLEEVES
TRENCH ADAPTER & RETROFIT VALVE BOX INSERT
ALPHA™ JOINT ENDS ADDER
CAPTIVATER® - LOCKING HYDRANT NOZZLE CAP
ALL REPAIR PARTS
FIRE HYDRANT EXTENSIONS & TRAFFIC KITS

Any orders received on or after March 18, 2022, will be processed at new pricing.

Thank you for your business. Your AMERICAN Sales Representative will be in contact with you to establish your new discounts as well as answer any questions you may have.

Regards,

Robert H. Patton

Director of Project Management
AMERICAN Flow Control



2266 South 6th Street
Coshocton, OH 43812
o 800-800-6013
mcwaneductile.com

March 11th, 2022

To: McWane Ductile Customers

Re: Scrap Surcharge

The Russian-Ukraine conflict has caused a severe shortage of pig iron in the international market (as both countries are two of the world's top producers). While McWane Ductile does not use pig iron, consumers of pig iron have downcycled to raw materials such as busheling and auto shred, resulting in an immediate and intense demand for all grades of US scrap, which in turn has driven up scrap prices by \$150/ton and more this month alone. We expect this cost escalation to continue until the conflict resolves. In light of the detrimental impacts from these unexpected events, it is necessary to implement a \$150/ton scrap surcharge to all shipments effective 03/14/2022, which will be added as a separate line item on your invoice. Additional points:

- This surcharge is temporary, and we will rescind it when scrap prices return to February 2022 levels.
- We will adjust the surcharge monthly, based on changes in the Busheling Index published monthly in Fastmarkets.com.
- The surcharge we're announcing today will apply to all shipments from 3/14/2022 until 4/10/2022. Fastmarkets publishes the settled scrap price on the 10th of each month, therefore any April surcharge will apply to all shipments from 4/11/2022 to 5/10/2022.
- Because of unprecedented demand for our products along with supply chain constraints, we cannot guarantee lead times, delivery schedules, or availability.
- You may choose to not pay the surcharge and delay your scheduled shipments until such time as scrap prices have returned to lower levels. Once again, however, lead times, delivery schedule and availability are not guaranteed.

Thank you in advance for your support. Please contact your McWane Ductile Sales Representative with any questions.

Best regards,

Mike Dodge
Vice President of Sales & Marketing



March 21, 2022

To: Customers, Distributors and Stakeholders OF
AMERICAN Ductile Iron Pipe, American SpiralWeld Pipe & American Flow Control

Subject: **Impacts of Global Supply Constrictions on Product Availability and Cost**

For several weeks now, the world has both observed and been affected by the conflict between Russia and Ukraine. The global economy has struggled to adjust to the impacts of the conflict, and the already stretched global supply chain has now been further limited due to constrictions on supply from those countries. As a result of this supply shortage, many of the raw materials necessary for the production of our products have already experienced critically lengthened lead times and extreme cost volatility. Additionally, costs to transport our products to market have been impacted by rising fuel prices, equipment shortages, and limited workforce. The unusual nature of this current economy has made it very difficult to predict how the flow of products to market and production costs will fluctuate.

Like many manufacturers who rely on raw materials which have been impacted by global shortages, AMERICAN has been forced to update our supply structure. Customers can expect further lengthening lead times and price volatility. For our ADIP/ASWP products, base pricing can be provided at bid time, and we will provide a bid-time volatility adder or escalator (as listed by various market indexes). Final, confirmed pricing will be provided at time of shipment. As for our AFC products, we have recently updated our pricing, but further pricing updates may be necessary as supply volatility continues to impact our ability to manufacture our products and get them to market. We will work to minimize the impacts of this market unpredictability, but we have no choice other than to adapt to these historic market circumstances. No longer can there be any long-term guarantees of price or availability.

As AMERICAN (and many other companies) adjusts to these new market realities, we recommend that you consider including provisions within your bid and contract process to allow for supply and cost volatility. This will reduce the unexpected impacts of supply extensions and cost increases. Our personnel are available to discuss strategies to minimize the impacts of this volatility.

While there is no perfect solution for these volatile market conditions, our new supply structure is intended to help our customers and partners to plan for and adapt to current and future market impacts. As always, we at AMERICAN appreciate your support, and we thank you for your business.

Sincerely,

W.D. "Skip" Benton
VP, Sales – ADIP & ASWP

John E. Hagelskamp
VP, Sales – AFC



AMERICAN

FLOW CONTROL

THE RIGHT WAY

March 17, 2022

TO: AMERICAN Flow Control Distributors

RE: PRICE INCREASE - Effective March 18, 2022

Due to extreme increases in input and transportation costs, AMERICAN Flow Control will implement a price increase of approximately 10 percent effective at close of business, March 17, 2022. We will increase prices by reducing discounts applied to our price list dated December 1, 2021. Increases will affect the products shown below:

PRODUCT
AWWA & UL/FM DRY BARREL FIRE HYDRANTS
2" – 12" RESILIENT WEDGE GATE & TAPPING VALVES
14" – 24" RESILIENT WEDGE GATE & TAPPING VALVES
ALL CHECK VALVES
UL/FM INDICATOR POSTS
ALL TAPPING SLEEVES
TRENCH ADAPTER & RETROFIT VALVE BOX INSERT
ALPHA™ JOINT ENDS ADDER
CAPTIVATER® - LOCKING HYDRANT NOZZLE CAP
ALL REPAIR PARTS
FIRE HYDRANT EXTENSIONS & TRAFFIC KITS

Any orders received on or after March 18, 2022, will be processed at new pricing.

Thank you for your business. Your AMERICAN Sales Representative will be in contact with you to establish your new discounts as well as answer any questions you may have.

Regards,

Robert H. Patton

Director of Project Management
AMERICAN Flow Control



Mueller Water Products
Headquarters
1200 Abernathy Road NE
Suite 1200
Atlanta, GA 30328

phone: 770-206-4200

March 1, 2022

To: Mueller® and U.S. Pipe® PRODUCT DISTRIBUTORS

Re: Immediate Price Increase

In order to offset continued rising material, logistical and labor costs we are announcing a price increase for the products listed below. This price increase will be effective immediately, March 1, 2022 and implemented as follows.

Mueller & U.S. Pipe AWWA/ULFM Products:

- Dry Barrel Fire Hydrants
- Wet Barrel Fire Hydrants
- 2" – 54" Resilient Wedge (RW) Gate and Tapping Valves
- 14" – 36" Double Disc (DD) Gate and Tapping Valves
- Indicator Posts
- Iron Tapping & Split Repair Sleeves, & Crosses
- Cut-In Sleeves and Valves
- Fire Hydrant Extension, Repair Kits & all other repair parts

Change:

3.0 point discount reduction
3.0 point discount reduction
3.0 point discount reduction
3.0 point discount reduction
3.0 point discount reduction
3.0 point discount reduction
3.0 point discount reduction
3.0 point discount reduction

The price change will be implemented as follows:

1. Any orders received **after** 4pm CST/5pm EST Tuesday March 1, 2022, will be entered and invoiced at new price.
2. Fixed price municipal contracts will be price protected for duration of the contract.
3. Distributor quotations to contractors are not price protected.

Your Territory Manager will contact you to review these increases and answer any questions.

Regards,

Mike Lindgren
Vice President - Distribution



Clow Valve Co.

902 South 2nd Street
Oskaloosa, IA 52577

Telephone: 641 673-8611
Fax: 641 673-8269

March 3rd, 2022

To: All Clow Valve AWWA Distribution

Re: Price Increase Applying to AWWA and UL/FM Products, Effective the end of business, Thursday, March 3rd, 2022.

Effective the end of business, Thursday, March 3rd, 2022, Clow Valve Company will be instituting a price increase on the below listed AWWA products. The increase will be accomplished by a reduction of the current discount points as shown below. There will be no change in the list prices.

<u>Size Range</u>	<u>Product Line</u>	<u>Discount Reduced By</u>
All	Dry Barrel Fire Hydrants	3.0 points
12" and Below	AWWA Resilient Wedge Gate and Tapping Valves	3.0 points
14" and Above	AWWA Resilient Wedge Gate and Tapping Valves	3.0 points
All	Double Disc Gate Valves and Tapping Valves	3.0 points
All	Hydrant Extension and Repair Kits	3.0 points
All	Repair Parts	3.0 points
All	Indicator Posts	3.0 points
All	Wet Barrel Hydrants	5% Net Price Increase
All	Butterfly Valves	8% Net Price Increase
All	Plug Valves	8% Net Price Increase
All	Check Valves	8% Net Price Increase

New prices will apply to all orders received after end of business on Thursday, March 3rd, 2022.

Any orders received before the end of business Thursday, March 3rd, 2022 with no shipping restrictions will be price protected.

Any orders received before end of business Thursday, March 3rd, 2022 with customer restricted extended shipping dates will be invoiced at the prices in effect at the time of shipment. There will be no extended shipments at old pricing.

Material covered in fixed price municipal contracts will be honored for the original contract bid quantities for the duration of the contract.

Effective Thursday, March 31st, **Cash Discount Term** eligibility requires that payment must be received on or before due date. Check dates or post marks will not be considered. To avoid any potential issues with delays, it is strongly encouraged to pay by Automated Clearing House(ACH)

Your Sales Representative will be in contact with you prior to the effective date, to review these increases and to answer any questions you may have.

Thank you

Steve Werninger

Steve Werninger
National Sales Manager

March 21, 2022

To: SIGMA Customers

Re: Supply Chain and Costing Update

Although inflationary pressures and supply chain disruptions have been a part of our industry for nearly a year now, the recent geopolitical events in Ukraine have exacerbated an already challenging situation. In addition, though much less visible, SIGMA and other globally sourced producers are in the midst of negotiating new freight rates for the 12 months beginning May 1st. Both the war in Ukraine and the future freight rates look to greatly influence our business in the short term and into 2023. Consequently, we want to share some of the details of these influencers to best prepare you for the realities ahead.

Ocean Freight

The severe container imbalance originating from the Covid-19 shutdowns in 2020 remains attenuated by the continued high demand for globally sourced products. The insufficient container capacity in active operation has caused many freight carriers to move away from annual contracts for the 2022/23 year and, alternatively, offer freight rates for shorter periods of 4 – 6 weeks. While it is true that the headline-grabbing spot rates paid for containers at the height of the shortage have dropped, the reality is that SIGMA anticipates its average freight rates to increase significantly as a result of the change in the carriers' pricing methods.

On a positive note, SIGMA has experienced improved container availability – particularly out of China. Container availability in India is more challenged but, largely, space is allocated monthly to handle the majority of SIGMA's production. While the news on container availability is encouraging, SIGMA's limited inventories coupled with the high industry demand ensures that supply chain will be constrained through 2022.

Raw Material Costs

For much of this calendar year, raw material costs in both India and China have been relatively stable at the elevated levels set in 2021. However, the Russian invasion of Ukraine created a severe disruption and surge in costs of raw materials as both Russia and Ukraine are major exporters of steel and iron. For various economic and geographic reasons, these raw material increases are more significant in India. Within SIGMA's production in India, the inflationary pressures are greater on its line of Municipal & Construction Castings as those products are manufactured almost exclusively with import pig iron. Though MJ and Flange fittings produced in India utilize some domestic steel, the sizeable disruptive impact of the war on raw material prices and availability in Europe and Western Asia will impact the cost of these goods too.



Conclusion

All said, product remains in limited supply and cost pressures continue to be inflationary. For cast iron valve boxes, meter boxes, manhole frames & covers and the like, we anticipate significant increases. In fact, we may be forced to adopt monthly pricing adjustments based on raw material volatility. Also, we cannot guarantee that we can protect and honor backorders; however, no firm position is set. For Fittings and MJ Accessories, we are aggregating the increased costs from our blended sources and will set pricing and policy accordingly. For Pipe Restraint, freight rates, at this time, seem to be a greater influencer on cost increases. Therefore, price adjustments, if any, will be later this calendar year.

After a demanding 2021, we realize this news is not welcome. However, it's the realities of today's environment. As such, we want to keep you, our customer, as informed as possible.

We at SIGMA are happy to further discuss the details of this letter with you. Please reach out if you care to further discuss.

As always, we appreciate your support and business particularly in this challenging time.

Sincerely,

Greg Fox | Vice President of Sales
SIGMA Corporation
256.496.3388
GF1@sigmaco.com

March 22, 2022

To: SIGMA Customers in the US

Re: Domestic Product Category Price Increases

For reasons communicated in our letter dated March 21, 2022, SIGMA is announcing a price increase on its product offering of domestically produced Fittings, MJ Accessories and Pipe Restraint.

Effective Wednesday, March 23, 2022, the following multipliers will apply its domestic product offerings:

AWWA Fittings	x.
Zinc Coated P-401	x.
MJ Accessories	x.
Pipe Restraint	x.

Existing orders that remain unshipped as of Monday, March 28th, will be repriced at the announced Lists and Discounts.

Finally, we emphasize that costing of raw materials remains volatile. Future increases may be a reality.

Please contact your SIGMA Territory Sales Manager if you have any questions.

As always, we appreciate your business and support.

Sincerely,



Greg Fox | Vice President of Sales
SIGMA Corporation
256.496.3388
GF1@sigmaco.com





March 21, 2022

To: All Tyler Union Customers

Re: Change in Pricing Multipliers on new and existing open orders.

Per our communication of March 16, 2022, we are experiencing a high degree of price volatility within our costs for raw materials, domestic & global freight and energy. We have looked at several options and solicited customer inputs on how to best address this situation including backorders. While absorbing additional increases will be difficult for our customers, the consistent feedback was that an approach of revising the order and invoiced price was strongly preferred over implementing surcharges.

Tyler Union will be increasing our pricing per the below percentages on both new and existing confirmed orders.

This revised pricing will be firm through May 31, 2022, at which point it will be reviewed and subject to change based upon the current cost data.

Product	% Change From Previous Price
Domestic Fittings	4%
Domestic Municipal Castings	10%*
Domestic Glands & Accessories	4%
Domestic Restraints	4%
Import Fittings	6%
Import P401 Fittings	11%
Import Municipal Castings	17%*
Import Glands & Accessories	6%
Import Restraints	6%

* per our prior municipal castings price increase letter

We thank you for your continued support of Tyler Union and look forward to providing you with quality waterworks products, as we have for nearly 100 years.

Sincerely,

Jerry Jansen
National Sales Manager



March 22, 2022

To: Our Valued Star Pipe Customers:

RE: Price increase notification – change in multipliers on new orders and existing orders not released

Due to rapid increases in raw material and fuel costs, we are increasing our pricing to the below percentages effective 3/23/2022. Confirmed purchase orders with no shipping restrictions received by 3/23/2022, will be honored at the confirmed pricing. Confirmed orders not released by 3/28/22 will be repriced at the below multipliers.

Domestic Products	Approx % Increase	Price Lists
Domestic Utility Fittings	4%	DOM-UPL.22.01
Domestic FBE Fittings	4%	DOM-FBE-UPL.22.01
Domestic Zinc Fittings	4%	DOM-ZINC-UPL.22.01
Domestic P401 Lined Fittings	4%	DOM-P401-UPL.22.01
Domestic Joint Restraints	4%	DOM-JRPL.21.03
Domestic MJ Accessories	4%	DOM-ACC-UPL.22.01

Import Products	Approx % Increase	Price Lists
Import Utility Fittings	6%	IMP-UPL.21.03
Import FBE Fittings	16%	IMP-FBE-UPL.22.01*
Import Zinc Fittings	6%	IMP-ZINC-UPL.21.03
Import P401 Lined Fittings	11%	IMP-P401- UPL.21.03
Import Joint Restraints	6%	IMP-JRPL-22.01
Import MJ Accessories	6%	IMP-ACC-UPL.21.03
Import Fabrication Products	6%	IMP-FAB-UP.21.03
Municipal Castings	TBA	

*Revised list price for Import FBE Fittings will go into effect with the new multipliers

We appreciate your continued support and remain committed to earning your business.

Sincerely,

Jason O'Nan, Vice President
Star® Pipe Products

STAR® PIPE PRODUCTS

4018 WESTHOLLOW PARKWAY HOUSTON, TEXAS 77082-4604
www.starpipeproducts.com

T: 281.558.3000
F: 281.558.9000





March 18, 2022

Dear Valued Partner,

Market conditions continue to be extremely volatile and input costs continue to increase. Inflationary costs, such as labor, diesel and transportation are playing a greater factor in our cost to serve, and these additional costs are at unprecedented levels.

As a result of these increases, ADS must raise prices on all pipe, fittings and Allied Products a **minimum of 10%.**

- AASHTO and ASTM F2648 pipe
- HP Storm and HP Sanitary pipe
- Single Wall Pipe
- PolyFlex and small diameter sewer and drain pipe
- All Fittings

- StormTech, Nyloplast, Inserta Tee, FlexStorm, Duraslot and Water Quality

Effective immediately, ADS will increase pricing on all new quotes. Existing quotes will be honored for the customary 30-day period. Existing purchase orders will be honored for 30-days. After the 30-day period, both quotes and orders will be subject to this increase.

All new stock pricing will be effective immediately. Existing stock purchase orders will be honored for 30-days.

We appreciate your understanding as we work through these volatile times. We look forward to continuing to build a mutually beneficial relationship and truly appreciate your business. Please work with your local sales professional for any additional questions or needs.

Sincerely,

Mike Huebert

Mike Huebert
SVP Sales



Corporate Headquarters: 1212 Johnstown Rd. • P.O. Box 1608 • Grand Island, NE 68802-1608
800-PVC-PIPE • 800/782-7473 • www.dpcpipe.com

Date: March 21st, 2022
TO: Municipal & Ag Customers
FROM: D. Bauer & S. Yentes
Subject: PVC Pipe Price Increase

We continue to experience raw material and labor related production interruptions. Costs of raw materials, freight and labor continue to escalate. Demand for the spring season is taking off and delivery times will likely be impacted as a result of these trying circumstances.

As a result, we are raising our standard block pricing as follows:

Immediate Shipments Block

Quotations Block

We appreciate your business. Our sales force is dedicated to maintaining communication to ensure your needs are served to the best of our ability.

Celebrating Over 40 Years of Excellence

Manufacturing Locations:

Grand Island, Nebraska - Lubbock, Texas - Macon, Georgia - Muncie, Indiana
Golconda, Nevada - Plaquemine, Louisiana - Casa Grande, Arizona



NATIONAL PIPE & PLASTICS, INC.

American-made products since 1970

Corporate Offices
One N Page Avenue, Endicott, NY 13760
800.836.4350 607.729.9381 Fax: 607.729.6130
www.nationalpipe.com

National Pipe & Plastics, Inc.

Memorandum

Date: March 21, 2022
To: All Sales Representatives
From: Matt Siegel, Pete Craner, Jeff Kurkoski
Subject: Municipal Price Increase

Considering the current state of the PVC pipe industry, effective **immediately**, we are implementing the following pricing on our municipal products:

Immediate Block
(subject to availability)

Standard Quotes Block

Please note that this supersedes all previous price announcements.

All orders are subject to availability. All expired orders and quotes will be repriced at current levels.

Note: Full bundle quantities will be required on all stock and direct shipped orders.



NAPCO, a Westlake company
2801 Post Oak Blvd., Suite 600, Houston, Texas 77056
Tel: 713.840.7473, Fax: 713.552.0087

Date: March 21st, 2022
To: All Municipal Customers
From: Brent Wetmore, Vice President - Sales
Subject: PVC Pipe Prices – Municipal Products

NAPCO appreciates your business and your continued patience regarding lead times and fill rates. Our lead times have been improving, but they are still not at acceptable levels. This is due to the continued disruption in supply of several of the additives used to make PVC compound. These additives are in limited supply and have lengthening lead times. Further, freight, in conjunction with all of the raw materials continue to rise in price.

As a result of these continuing uncertainties and rising costs we must put through the following increases.

Effective immediately our Block pricing for both Immediate Orders and 30/30 quotes will move to the following levels.

Immediate Shipments: Block (all diameters)

Quotes 30/30: Block

All current orders will be honored within terms and are subject to our ability to ship. Orders with expired terms will be re-priced.

If you have any questions regarding product availability or this price increase, please contact your local North American Pipe sales representative.

We appreciate your business and look forward to continuing to serve your PVC pipe needs.

Brent Wetmore



7000 Central Park, Suite 800
Atlanta, GA 30328

oldcastleinfrastructure.com

March 17, 2022

To our valued customers:

The current market environment and rising global turmoil continues to create challenges for all of us in the building products industry. Businesses across North America are contending with rising prices for raw materials, labor, equipment, and freight.

In response to these continued challenges, we are implementing a **15% price increase effective April 25th** across all Oldcastle Infrastructure enclosure products & brands.

- ❓ All list prices and all existing quotes will be impacted by this increase. Updated pricing will be provided to all customers by April 22, 2022.
- ❓ All new quote requests will reflect the increased prices effective immediately.
- ❓ Pre-price increase orders will be limited to 1/12th of the annualized order volume by customer location and must be for immediate release.
- ❓ Current orders in backlog for immediate release and shipment scheduled prior to April 18th will be honored at current prices. Orders shipped after April 25th will be evaluated and subject to the prices in effect at the time of shipment.

Please reach out to your Oldcastle Infrastructure Region Sales Manager if you have any questions.

Thank you for your continued support.

Will Costanza
Vice President, Commercial

March 11, 2022

Subject: Geosynthetic Price Increase

Ladies & Gentlemen:

We have been monitoring market conditions since our letter dated February 25, 2022. Not surprisingly, the Russian invasion of Ukraine continues to negatively impact markets around the world. Specifically, the petroleum market has increased 21.5% since the situation began in February and has translated into significantly higher polypropylene resin and related cost increases. As a result, Solmax must implement a price increase on our products, including Mirafi®, Propex®, and Geotex® brands as follows:

15% Increase:

- Mirafi N, E, & S-Series, Geotex nonwovens (i.e., 180N, E1200, S800, 801, 861)
- Mirafi MPV-Series, Petromat® paving nonwovens (i.e., MPV500, 4598)
- Mirafi PT-Series polyester nonwovens (i.e., PT08, PT800E)
- Mirafi X-Series, Geotex slit tape wovens (i.e., 500X, 200ST)

12% Increase:

- Mirafi FW-Series, Geotex monofilament wovens (i.e., FW700, 104F)
- Mirafi HP-Series, Geotex mid-strength wovens (i.e., HP570, 4X4HF)
- Mirafi RSi-Series, H₂Ri, high-performance reinforcement wovens (i.e., RS380i, RS580i)
- Miramesh® wovens (i.e., GR, FR)

10% Increase:

- Mirafi BXG-Series, Gridpro® biaxial geogrid (i.e., BXG110, BXP41)

7% Increase:

- Mirafi MPM/MPG/MTK, Petrotac engineered paving products
- Miragrid® XT-Series uniaxial PET geogrids (i.e., 3XT, 24XT)
- Propex Landlok® erosion control blankets
- Geotube® solutions

Per Project Pricing:

- Propex Pyramat®, Armormax® erosion control solutions

Products/brands not listed above are also subject to a price increase. Contact sales with questions.

Price increases will go into effect on **Monday, April 18, 2022** with the following criteria, which will be strictly enforced:

- Orders placed prior to the price increase implementation date **must ship by Thursday, April 14, 2022**, to be shipped at pre-increase pricing (our facilities are closed on Friday, April 15, in observance of Good Friday). Note that the availability of shipping slots will be limited. Orders that do not ship by this date will be shipped at increased pricing so order early.
- Pricing will not be held on remaining open and blanket orders and all announced increases will apply. Customer Service will reissue acknowledgements for all orders that do not ship prior to the increase.
- All quotes are subject to the announced price increases. Expired quotes will not be honored. Please work with your sales contact for revised quotes for any upcoming projects.

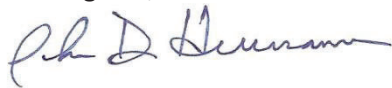
- Material that is not picked up on the scheduled appointment time/date will result in the forfeit of allocated material and will result in extended lead times and post increase pricing.

Solmax must hold firm to these announced parameters to ensure quality service to our customers. Please continue to stay in close communication with your sales contact during this time.

We are concerned that the USA's ban on oil imports from Russia will lead to further upward price pressure as well as pressure on available supply. With this in mind, we believe it is reasonable to assume that additional raw material price increases are likely in the future.

Thank you for your continued business and commitment to the geosynthetic market.

Best Regards,



John D. Herrmann
Commercial Director – Eastern U.S. & Caribbean

Attachment 2

2022 Updated OPCC on Bid Form

**PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT
PLANT CONSTRUCTION PACKAGE ST-2B**

**CLARIFIERS AND HLD
CONTRACT NO. S-932**

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Total</u>
1.	Aggregate Sum (Divided into 4 payments)	For performing preparatory work and operations in mobilizing and demobilizing for the work of the Project including those operations necessary for the movement of personnel, equipment, supplies and incidentals to the Project site and for the establishment of temporary facilities, safety equipment and first aid supplies, sanitary and temporary structures, temporary utilities, and any other appurtenances necessary for performing the work, shop drawings and contractor's submittals, the costs of bonds, required insurance and other preconstruction expense; but excluding materials and permit costs, both of which are paid under other payment items; complete for the aggregate sum of _____ Dollars and _____ Cents	\$ 2,896,000.00
2.	Aggregate Sum	For construction of new Junction Box 11/12, any related yard piping work and any associated work; for any required demolition; any temporary bypass; including site preparation, dewatering, excavation, and disposal of unsuitable backfill materials, including shoring, trenching and backfilling; general site civil work including paving, grading, drainage, and aboveground and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; furnishing, installing, and testing all equipment including but not limited to piping, slide gates, weirs; furnishing and installing all structural components; all electrical work; all instrumentation and control work; and other components, the aggregate sum of _____ Dollars and _____ Cents	\$ 1,865,000.00

**PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT
PLANT CONSTRUCTION PACKAGE ST-2B**

**CLARIFIERS AND HLD
CONTRACT NO. S-932**

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Total</u>
3.	Aggregate Sum	For construction of new Clarifier 12, any related yard piping work and any associated work; including site preparation, dewatering, excavation and disposal of unsuitable backfill materials, trenching and backfilling, protection of foundation of existing structures, sheet piling; general site civil work including paving, grading, and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; installation of external lighting; furnishing, installing, and testing all equipment including but not limited to clarifier center columns, mechanisms, bridges, weirs, scum removal systems, and influent, effluent, scum and RAS piping; furnishing and installing all structural and architectural features and components; all building mechanical work; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the connection of the new Clarifier 12 to the new Junction Box 11/12, to the clarifiers effluent piping manifold, and to the RAS Pump Station 3 not covered by other Bid Items. This item also includes any equipment, labor, and appurtenances, not covered by other Bid Items, related to the installation of piping for future Clarifier 11 from the new Junction Box 11/12, to the clarifiers effluent piping manifold and to the RAS Pump Station 3 that is shown on the Drawings to facilitate construction of Clarifier 11 in the future, the aggregate sum of: _____ Dollars and _____ Cents	
			\$ 28,080,000.00

**PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT
PLANT CONSTRUCTION PACKAGE ST-2B**

**CLARIFIERS AND HLD
CONTRACT NO. S-932**

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Total</u>
4.	Aggregate Sum	For modifications to the RAS Pump Station 3 and any associated work; for any required demolition; any temporary bypass; including site preparation, excavation and disposal of unsuitable backfill materials, trenching and backfilling; modifications to existing process piping; furnishing, installing, and testing all equipment including but not limited to new RAS pumps, suction and discharge RAS piping, WAS piping, valves, flow meters, pipe supports; furnishing and installing all structural and architectural features and components; all building mechanical work and HVAC work; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the connection of the new RAS Pumps to the RAS piping from the new Clarifier 12, to the bypass pipe from Clarifiers 9 and 10, and to the RAS discharge manifold not covered by other Bid Items, the aggregate sum of _____ Dollars and _____ Cents	\$ 4,602,000.00
5.	Aggregate Sum	For construction of the Transfer Pump Station North Bypass structure, any related yard piping work and any associated work; for any required demolition; any temporary bypass; including site preparation, dewatering, excavation and disposal of unsuitable backfill materials, trenching and backfilling; protection of foundation of existing structures and sheet piling; general site civil work including paving, grading, and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities and chemical piping; furnishing, installing, and testing all equipment including but not limited to slide gates, gate operators, and control instruments; furnishing and installing all structural and architectural features and components; all building mechanical work; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the connection of the new Transfer Pump Station North Bypass to the Transfer Pump Station Inlet Flume and Filtered Effluent Flume not covered by other Bid Items, the aggregate sum of _____ Dollars and _____ Cents	\$ 1,757,000.00

**PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT
PLANT CONSTRUCTION PACKAGE ST-2B**

**CLARIFIERS AND HLD
CONTRACT NO. S-932**

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Total</u>
6.	Aggregate Sum	For construction of Filters 31 to 36, any related yard piping work and any associated work; for any required demolition; any temporary bypass; including site preparation, dewatering, excavation and disposal of unsuitable backfill materials, trenching and backfilling; protection of foundation of existing structures and sheet piling; general site civil work including paving, grading, and aboveground and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; modifications to existing process piping; furnishing, installing, and testing all equipment including but not limited to new air scour piping, backwash piping, filter underdrains and media, slide gates and valves; furnishing and installing all structural and architectural features and components; furnishing and installing pipe supports; all building mechanical work and HVAC work; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the connection of the new filters to the influent manifold, filter effluent flume, backwash piping, and air scour system piping not covered by other Bid Items the aggregate sum of: _____ Dollars and _____ Cents	\$ 24,120,000.00

**PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT
PLANT CONSTRUCTION PACKAGE ST-2B**

**CLARIFIERS AND HLD
CONTRACT NO. S-932**

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Total</u>
7.	Aggregate Sum	For modifications to Backwash and Air Scour System and any related work in adjacent Existing South Filter Building; for any required demolition; any temporary bypass; site preparation, dewatering, excavation and disposal of unsuitable backfill materials, trenching and backfilling; general site civil work including paving, grading, and aboveground and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; modifications to existing process piping; furnishing, installing, and testing all equipment including but not limited to new air scour blowers and piping, backwash pumps and piping, furnishing and installing all structural and architectural features and components; furnishing and installing pipe supports; all changes to building mechanical work and HVAC work; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the connection of the equipment to the backwash piping and air scour system piping not covered by other Bid Items, the aggregate sum of _____ Dollars and _____ Cents	\$ 2,267,000.00
8.	Aggregate Sum	For installation of the new 96-inch Filtered Water Bypass Pipe, any related yard piping work and any associated work; for any required demolition; any temporary bypass; site preparation, dewatering, excavation and disposal of unsuitable backfill materials, trenching and backfilling; protection of foundation of existing structures and sheet piling; general site civil work including paving, grading, and aboveground and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; modifications to existing process piping; furnishing, installing, and testing all piping; furnishing and installing pipe supports; and other components. This item also includes any equipment, labor, and appurtenances related to the connection of the Filtered Water Bypass Pipe to the North and South Filtered Effluent Flumes not covered by other Bid Items, the aggregate sum of _____ Dollars and _____ Cents	\$ 5,489,000.00

**PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT
PLANT CONSTRUCTION PACKAGE ST-2B**

**CLARIFIERS AND HLD
CONTRACT NO. S-932**

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Total</u>
9.	Aggregate Sum	For removal of approximately 17 linear feet of the existing 24-inch RAS pipe (including two (2) 24"x36" reducers) and replacement with 36-inch pipe inside the RAS PS 1 and any associated work; for any required demolition; any temporary bypass; modifications to existing process piping; furnishing, installing, and testing all piping; furnishing and installing pipe supports; and other components, the aggregate sum of____ ____ Dollars and ____ Cents	\$ 112,000.00
10.	Subtotal	The sum of Bid Item Nos. 1 through 9	\$ 71,188,000.00
11.	Contingency Account	For unforeseeable conditions, minor construction changes and quantity adjustments, additional work not covered by other items, if ordered by the Engineer, 10.0% of Item No. 10, (0.10) x (Item No. 10). TO BE CALCULATED BY THE COUNTY _____	\$ 7,118,800.00
12.	Permitting Dedicated Allowance	This item establishes a fund for reimbursement of the cost of required construction permits, fees, inspections, and/or impact fees, if authorized by the Engineer, 3.0% of Item No. 10, (0.03)x(Item No.10). Payment shall reimburse the CONTRACTOR for only the cost of the construction permits or fees. Any question of whether construction permits or fees are required shall be decided by the Engineer whose word shall be final. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with the OWNER. TO BE CALCULATED BY THE COUNTY	\$ 2,135,640.00
13.	Lead and Asbestos Dedicated Allowance	This item establishes a fund for Lead and Asbestos abatement, if authorized by the ENGINEER, for the duration of the project. A written authorization by the ENGINEER must be obtained prior to performing the WORK to obtain reimbursement under this item. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with OWNER. Eighty thousand Dollars and 00 Cents ____	\$ 80,000.00

**PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT
PLANT CONSTRUCTION PACKAGE ST-2B**

**CLARIFIERS AND HLD
CONTRACT NO. S-932**

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Total</u>
14.	Underground Utility Conflicts Dedicated Allowance	This item establishes a fund for all labor, material, equipment and services necessary for modification or extra work to address underground utility conflicts that were unknown at the time the Bid Documents were issued and that are discovered during construction. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with the OWNER. If authorized by the ENGINEER, for the duration of the project, the aggregate sum of: <u>One hundred fifty thousand Dollars and 00 Cents</u>	\$150,000.00
15.	Testing, Handling, and Disposing of Non-Petroleum Contaminated Soils Dedicated Allowance	For Testing, Handling, and Disposing of Non-petroleum contaminated soils. This item establishes a fund for all labor, materials, equipment, and services necessary for modification or extra work to address contaminated soils, unknown at the time when the Bid Documents were issued and that are discovered during construction. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with the OWNER. If authorized by the ENGINEER, for the duration of the project, the aggregate sum of: <u>Three hundred fifty thousand Dollars and 00 Cents</u>	\$350,000.00
16.	Testing, Handling, and Disposing of Petroleum-Contaminated Soils Dedicated Allowance	For Testing, Handling, and Disposing of Petroleum-Contaminated Soils - Compliance with potential contaminated soil handling guidelines per SWP Guidance No. 1. This item includes temporary stockpile of soil on an impermeable surface preventing contaminant runoff in accordance with FAC 62-780.500. This item includes collection and analysis of composite samples for petroleum constituents in accordance with table in SWP Guidance No. 1 by a qualified consultant. This item includes laboratory analysis of samples according to table in SWP Guidance No. 1. This item includes disposal of soil exceeding applicable criteria in a landfill or a permitted hazardous waste treatment, storage, and disposal facility depending on level of contamination. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with the OWNER. If authorized by the ENGINEER, for the duration of the project, the aggregated sum of: <u>Three hundred fifty thousand Dollars and 00 Cents</u>	\$350,000.00

**PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT
PLANT CONSTRUCTION PACKAGE ST-2B**

**CLARIFIERS AND HLD
CONTRACT NO. S-932**

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Total</u>
17	Testing, Handling and Disposing of Contaminated Groundwater Dedicated Allowance	This item establishes a fund for testing, handling, and disposing of contaminated water associated with contaminated soils and groundwater encountered during construction activities as described in Section 02 22 10 Environmental Contamination. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with the OWNER. If authorized by the ENGINEER, for the duration of the project, the aggregated sum of: <u>One hundred and twenty thousand Dollars and 00 Cents</u>	\$120,000.00
18	Total Allowances	This item is the subtotal of Item Nos. 12 through 17 <u>TO BE CALCULATED BY THE COUNTY</u>	\$3,185,640.00
19.	TOTAL	TOTAL BID (Sum of Bid Items 10, 11, and 18) <u>TO BE CALCULATED BY THE COUNTY</u>	\$81,492,440.00
20.	Time Allowance, Calendar Days	Time Allowance Account - For Unforeseeable Conditions, Minor Construction Changes and Quantity Adjustments, additional work not covered by other items, <u>if authorized by the ENGINEER</u>	79

*Notes: 1) For a detailed description of each Proposal Bid item, refer to **Specification Section 01 29 00 - MEASUREMENT AND PAYMENT**.
2) Acceptance or award of a bid shall not be considered as approval of equipment listed in the Bid. Equipment approval shall be by submission and review of shop drawings as stated elsewhere in these specifications.*

Daily Liquidated Indirect Costs Rate = \$ _____ Per Day

The Contractor shall calculate their Liquidated Indirect Costs Rate and retain this calculation with their bid preparation documents. This amount is the daily rate due to the Contractor in the event of a Compensable Time Extension. The Liquidated Indirect Costs Rate above is subject to negotiation prior to award. The County reserves the right to audit the Contractor's calculations and to reject the bid if a mutually agreed Liquidated Indirect Costs Rate cannot be negotiated. The amount of Liquidated Indirect Cost recoverable shall be capped at an amount as set by the Base Value (i.e. Subtotal) of the Contract divided by the Contract Duration (i.e. Final Completion) times 5%.



Poole & Kent

Contractors

An EMCOR Company

April 22, 2022



Miami-Dade Water & Sewer Department
Construction Contracts Division
3071 S.W. 38th Avenue, Suite 107
Miami, FL 33146

Sent Via Electronic Mail To:
Paul.Adams@miamidade.gov

Attn: Paul Adams, *Manager, W&S Construction Contracts*

RE: Clarifier and HLD (ST-2B), Contract S-932
Request for Additional Information

Mr. Adams

Poole & Kent has received your email and the EOR's bid evaluation and appreciates the opportunity to provide clarification.

The Bidder's proposed project manager is Mr. Salinas. His listed experience, especially his experience on the \$135M SDWWTP HLD Upgrade S-805, demonstrates his qualification as project manager for S-932. Just to highlight a few major components, S-805 included thirty (30) deep-bed filters, seven (7) 500 hp positive displacement blowers, and sixteen (16) 200 hp horizontal end-suction pumps, all basically identical to what is being installed on S-932. Below is a copy of WASD's Completion of Construction Evaluation for Poole & Kent on S-805, delivered to Daniel Salinas, which indicates the following.

Rating *						Criteria
	4	3	2	1	N/A	
1-	✓					Schedule - Quality of schedule & adherence to schedule resulting in timeliness and minimizing delay to the owner and community.
2-	✓					Cost effectiveness & efficiency - Budget compliance & value of work.
3-					✓	Vision - Design - Concepts or adherence to criteria.
4-	✓					Cooperation - Teamwork & relationship with owner, subs and suppliers.
5-	✓					Coordination - Ability to organize, schedule and complete tasks in adherence to the schedule.
6-		✓				Accuracy & Technical Skills - Cost estimating, scheduling, shop and other drawings, plans, manuals, project documentation and conflict resolution.
7-		✓				Completeness - Compliance with contract documents, permits, Codes & standards.
8-	✓					Responsiveness - Timely, clear & concise responses to owner comments and correspondence.
9-	✓					Commitment - Intangibles & contribution to project success.
10-	✓					Personnel - Quality and dedication of project staff.
11-	✓					Management - Leadership ability.
12-		✓				Quality - Work performed correctly the first time.

Overall Performance Average: 3.7

Poole & Kent Company of Florida
1781 N.W. North River Drive, Miami, FL 33125
305.325.1930

In addition to Mr. Salinas' experience, the experience of the Bidder's proposed Senior Project Manager, Mr. Duane Armstrong, is included and demonstrates that Mr. Armstrong has project management experience with three (3) large wastewater treatment upgrade projects, each having a total construction value greater than \$50M, that have been completed within the past ten (10) years.

The Bidder's project experience has been clarified in the attachment and demonstrates that the Bidder meets the qualification requirements for S-932. The attached Project Experience list identifies five (5) projects where the Bidder has installed positive displacement blowers, as well as two other projects where the Bidder has installed centrifugal/turbo blowers. While the centrifugal blowers operate differently than the positive displacement blowers, from an installation standpoint the two types of blowers are equivalent. The attached Project Experience list also identifies seven (7) projects where the Bidder has installed 75-hp or larger horizontal end-suction pumps and/or non-clog pumps.

To again highlight the Bidder's recent work just at SDWWTP, in 2014, the Bidder completed the 285-MGD HLD Upgrades including S-805, S-812, S-816, S-817, and S-829. As stated above, Project S-805 included thirty (30) deep-bed filters, seven (7) 500 hp positive displacement blowers, and sixteen (16) 200 hp horizontal end-suction pumps, all basically identical to what is being installed on S-932; Project S-817 included six (6) 900 hp vertical turbine non-clog pumps; and Project S-816 included a 40 hp radial lobe positive displacement blower.

Electrical and Lead Electrician qualifications are clarified in the attachment.

Sincerely,

POOLE & KENT COMPANY OF FLORIDA



Brian D. MacClugage
Executive Vice President

attach/

Poole & Kent Company of Florida
Project Management Experience

PROPOSED MANAGEMENT TEAM

Brian MacClugage

Title: Executive Vice President
Project Role: Corporate Project Executive
Experience in Construction Industry: 33 Years
Experience in Managing Projects Valued Over \$50 Million: Yes

Kevin Smith

Title: Vice President
Project Role: Onsite Project Executive
Experience in Construction Industry: 20 Years
Experience in Managing Projects Valued Over \$50 Million: Yes

Duane Armstrong

Title: Senior Project Manager
Project Role: Senior Project Management
Experience in Construction Industry: 47 Years
Experience in Managing Projects Valued Over \$50 Million: Yes

Daniel Salinas

Title: Project Manager
Project Role: Project Management
Experience in Construction Industry: 30 Years
Experience in Managing Projects Valued Over \$50 Million: Yes

James Jobbitt

Title: Superintendent
Project Role: Overall Field Supervision
Experience in Construction Industry: 44 Years
Experience in Supervising Projects Valued Over \$50 Million: Yes

Poole & Kent Company of Florida
Project Management Experience

TREATMENT PLANTS \$50 MILLION OR GREATER

South District WWTP HLD Upgrade to 285-MGD Filter System Upgrade, S-805 | Miami-Dade County

Reference: James Ferguson, 786-552-8756, james.ferguson@miamidade.gov

Contract Dates: 2008 – 2014

Total Project Construction Value: \$123,540,539

[P&K Personnel Relevant Experience](#)

Brian MacClugage, Project Executive

Kevin Smith, Project Manager

Daniel Salinas, Project Manager

Duane Armstrong, Project Manager

James Jobbitt, Superintendent

Southwest WRF Expansion & Upgrades | City of Cape Coral

Reference: Steve Schisler, 239-233-2812, steve.schisler@stantec.com

Contract Dates: 2006 – 2012

Total Project Construction Value: Exceeds \$90,000,000

[P&K Personnel Relevant Experience](#)

Brian MacClugage, Project Executive

Duane Armstrong, Senior Project Manager

Kevin Smith, Project Manager

East Central Regional WRF Biosolids Improvements | City of West Palm Beach

Reference: John Hoffman, 954-249-9288, jhoffman@hazenandsawyer.com

Contract Dates: 2015 – 2021

Total Project Construction Value: \$97,040,424

[P&K Personnel Relevant Experience](#)

Brian MacClugage, Project Executive

Duane Armstrong, Senior Project Manager

James Jobbitt, Superintendent

South District WWTP Digesters, Control Building, and Acid Phase, S-897 | Miami-Dade County

Reference: Daniel Edwards, 786-552-8354, Daniel.Edwards@miamidade.gov

Contract Dates: 2018-2024

Total Project Construction Value: \$93,361,000

[P&K Personnel Relevant Experience](#)

Brian MacClugage, Project Executive

Kevin Smith, Project Manager

North Regional WWTP Reclaimed Water Plant Expansion | Broward County

Reference: Steven Doyle, 954-831-0962, sdoyle@broward.org

Contract Dates: 2018 – 2022

Total Project Construction Value: \$53,204,000

[P&K Personnel Relevant Experience](#)

Brian MacClugage, Project Executive

Daniel Salinas, Project Manager

James Jobbitt, Superintendent

North Cape RO Facility

Reference: Steve Schisler, 239-233-2812, steve.schisler@stantec.com

Contract Dates: 2006 – 2012

Total Project Construction Value: Exceeds \$60,000,000

[P&K Personnel Relevant Experience](#)

Duane Armstrong, Project Manager



Mr. Armstrong is a Senior Project Manager with Poole & Kent Company of Florida and has over 47 years of construction experience. His main focus has been in the field of water, wastewater, and utility work throughout Florida. He has had overall responsibility for the management and construction of numerous large-scale projects, with other project managers and supervisors reporting directly to him. Some of his responsibilities include: maintaining and updating CPM project schedules, start-up and commissioning, quality control, material procurement, processing of shop drawings and submittals, monthly pay requisitions, subcontractor coordination, and cost control.

Position

Senior Project Manager

Experience

47 Years

Joined Firm

1999

Relevant Responsibilities

- Project Phasing
- Schedule (Updates and Maintenance)
- Start-Up and Commissioning
- Quality Assurance & Control
- Material Procurement
- Shop Drawings and Submittal Processing
- Monthly Pay Requisitions
- Cost Control
- Subcontractor Coordination

Relevant Expertise

- Water Treatment Plants
- Reverse Osmosis / Membrane
- Wastewater Treatment & Water Reclamation Facilities
- Chemical Feed Systems
- Plant Expansion
- Pump Stations
- Wells
- Water Storage Tanks
- Generators

Headworks and Grit Removal Improvements at the ECRWRF | West Palm Beach

This \$6.4 million project includes the demolition and removal of the three existing influent flow meters and installation of new influent flow meters and associated piping, electrical connection and instrumentation; refurbishment of drainage sumps in the influent meter vault and replacement of the two sump pumps, including removal and disposal of accumulated solids in the mixing chamber of the Headworks Structure. Demolition and removal of the five existing mechanically cleaned influent bar screens and installation of five new center flow band screens, including new compactors, shaftless screw conveyor, and associated piping, above ground electrical conduit, electrical panels and controls. Structural repairs and modifications to the influent screen channels and top slab to accommodate the new influent screens, including demolition of the existing Screenings Building and construction of a new Screenings Building and demolition and removal of the two existing grit pumps and replacement with two new grit pumps, including associated piping, valves, and electrical panels and controls. Demolition and removal of the two existing cyclone/classifiers and replacement with two new cyclone/classifiers, including associated piping, valves, and electrical panels and controls, including structural repairs to the interior concrete surfaces of the two existing grit chambers by recoating the influent screen channels, grit removal channels and grit chambers following structural repair. Installation of new manual slide grates in the grit chamber influent and effluent channels including, the installation of new odor control covers and handrail in the grit removal area along with modification of the existing electrical power distribution system to deliver power to the Headworks Structure from a common location and to achieve Class 1 reliability. Miscellaneous Sitework improvements, including new gravity drain piping, new process yard piping, new electrical conduit, grading and paving, this includes operation of the ECRWRF Influent Bypass Structure during the period that the Headworks Structure is off-line.

ECR Wastewater Reclamation Facility Biosolids Improvements | West Palm Beach

This \$97 million biosolids improvement project included construction of 22 structures at an 70- MGD operational water reclamation facility.

Green Meadows WTP and Wellfield Expansion – Contract A | Fort Myers

This \$10 million project included all process mechanical work for a new 14 MGD water treatment plant including RO/Operations Building, Ion Exchange, Ion Exchange Regeneration, Degasifier/Transfer Pump Station, Backwash Waste Pump Station, and Ammonia/Flouride Systems.

Bee Ridge WRF Septage Improvements | Sarasota

This \$850,000 project included the demolition of the existing septage receiving station equipment and control enclosure. Construction of new septage receiving combination unit, electrical and instrumentation enclosure, control panel, remote operator station and chopper pump.

Eastside WRF Aeration System and Headworks Expansion | Venice

This \$9.8 million project included site work, demolition, relocation, construction, modification and installation of utilities, equipment and structures as required to increase the capacity of the wastewater facility to 8.5 million gallons per day. The project specifically included modification of existing headworks structure, installation of new grit removal system, modification to the existing aeration basins, internal recycle mixed liquor pumps, aeration system, blower building and modifications to the existing second anoxic basins.

East Port Water Reclamation Facility Stage 1 Improvements | Port Charlotte

P&K was awarded a \$12 million contract by Charlotte County for the construction of a 2.0 MGD aerobic digester, supernatant pump station and truck transfer pumping station; belt filter press feed pump

station; emergency generator and fuel storage system; two (2) electrical buildings and related ductbanks, wiring and instrumentation; the repair, replacement, expansion, and/or rehabilitation of: automatic backwash water effluent filter; mechanical bar screen, grit pumps, grit cyclone and washing system; internal recycle and return activated sludge pump systems; a section of plant water pipe; stormwater pond retrofit and improvements, related electrical and instrumentation work, upgrade of existing SCADA systems and expansion of plant fiber optic communication systems, all related equipment, piping, site yard work and related appurtenances.

Punta Gorda WWTP Filtration Improvements | Punta Gorda

This \$3.2 million project consisted of the construction of a filter pump station, deep bed sand filters, clearwell and backwash pumping station, mudwell and pumping station, Chlorine Contact Chamber modifications, chlorine gas system, polymer injection system, effluent sampling structure, associated electrical and control systems, and all piping and equipment necessary to complete a fully functional system.

South District WWTP HLD Upgrade to 285-mgd Septage Receiving and Solids Process Building | Miami

This \$11.3 million project included the construction of 60,000 sq. ft. Septage Receiving and Solids Handling Building with (2) 50,000 gallon FOG (Fats, Oils, and Grease) Tanks. The building houses process equipment and a finished area for offices and employee facilities, and an influent channel to receive and transfer septage. The contract also included the installation of a new MCC, electrical switchgear, new HVAC units and ventilation fans, 3,500 ft. of underground piping, (2) truck scales and the construction of a new bulk chemical storage area, (3) odor control scrubbers and ductwork.

WTP Filter Valve Replacement & Control System Upgrade | Naples

This \$1.2 million project consisted of the upgrade to remove and dispose of 150+ existing valves, actuators, and control panels at the existing WTP and to purchase, installation, and test of the new valves, actuators, and control panels; and the programming, integration, and calibration associated with the new filter control system.

South District WWTP HLD Upgrade to 285-mgd Filter System, S-805 | Miami

This \$135 million project, part of the \$628 million high-level disinfection project completed at the South District WWTP, included the construction of one of the largest deep bed sand filter system in the United States. It consisted of 30 cells measuring by 15.25 feet by 88 feet with 6 feet of sand filter media and with space for future expansion up to 48 cells. Construction consisted of (2) Filter System Buildings, Flocculation Tanks, Backwash Tanks, and a Polymer Building. Some of the equipment included is the following: (16) 200 HP Backwash Pumps, (7) 500 HP Centrifugal Blowers, (12) Mixers, Switchgear, Transformers, MCCs, (161) 24" Motor Operated Control Valves, (35) Flow Meters, (43) Level Transmitters, and multiple local control panels. The project consisted of 11 milestones and 3 substantial completion phases.

North Cape Reverse Osmosis Facility | Cape Coral

This \$60 million project included the construction of a 12-mgd (18.564 cfs) Reverse Osmosis Water Treatment Plant. The facility is sized for a full build out capacity of 24-mgd (37.128 cfs). The major elements of the project included: (5) new buildings (62,300 sq. ft.), (6) cartridge filters, (4) high pressure 3-mgd RO treatment skids, (4) 600 HP vertical turbine membrane feeds pumps, membrane cleaning system, (4) chemical feed and bulk storage systems, (2) degasifier systems, 70,000 gallon clearwell with (3) 100 HP vertical turbine transfer pumps, (2) 600 HP & (2) 400 HP horizontal split case high service pumps, associated ductile yard and stainless steel process piping.

Southwest WRF Expansion Plant Upgrades | Cape Coral

This \$90 million project expanded the facility from 6.6-mgd to 15.1-mgd capacity. The most challenging aspect during the construction of this project was the schedule constraints of a 24-month time frame to substantial completion, along with continuous extensive coordination with existing facilities and utilities and the electrical work completed under a separate contract. Construction included headwork's modifications, grit building, (odor control building, activated sludge basin, RAS/WAS pump station no. 2, plant lift station no. 2, generator building no. 2, diesel fuel storage no. 2 structure, SWBD-4 and 5 buildings, blower building, (3) secondary clarifiers, aqua ABF filter's structure, chlorine contact tank no.'s 3 and 4, effluent transfer pump station, sodium hypochlorite building, aluminum storage and feed modification, reclaimed water pump station, surge tank slab, deep injection well, and E.R.D. office building. Our work also included all architectural, civil, HVAC, plumbing, mechanical, and site work. This project was completed on time and under budget.

South County RO Water Treatment Plant Expansion | Naples

This \$26 million project was an expansion of an 8-mgd to 20-mgd reverse osmosis facility. Construction of (6) new R.O. skids were fast-tracked, completed, and in-service with 14 months from the Notice to Proceed as required per the Contract. The work included installation of the following: (6) new high pressure 2-mgd RO treatment skids, (6) new 400 HP vertical turbine membrane feed pumps with VFD's, (6) new membrane interstage turbo booster pumps, (4) new cartridge filters, (6) new degasifier systems, (2) new odor control systems, (3) new buildings and modifications to electrical and instrumentation to support the expansion.

Everest WRF Expansion – Administration Building | Cape Coral

This \$9.7 million project included a two story Administration and Maintenance Building with a total of 35,900 sq. ft. under truss. Construction consisted of a control room for plant operations, (2) lobbies, restrooms and locker rooms, several office spaces, laboratory and conference rooms, (2) large workshops with overhead bridge cranes, welding shop, electrical and instrumentation repair shops and a 7,000 sq. ft. covered truck port. All areas were required to have automatic fire suppression equipment installed.

Bee Ridge Water Reclamation Facility | Sarasota

This \$30 million expansion project increased the plant flow to 9-mgd and included the construction of a new headwork's/pre-treatment building and demolition of the existing structure. The project also included all structures, yard piping, electrical, site work, paving and landscaping. The expanded facilities included a new chlorine contact basin, new clarifiers, new activated sludge basins and new filters and mud well. The project also included the existing process structures to be refurbished after acceptance of the new work.

Tampa Bay Ground Water Treatment Plant | Tampa

The work for the ground water project included all yard piping, odor control equipment, chemical storage and pumping systems, (5) 2,000 HP high service pumps and the complete high service pump building with all electrical and controls. Construction also included a blend water station with numerous tie-ins to the surface water project and complete chemical leak detection.

Tampa Bay Surface Water Treatment Plant | Tampa

Poole & Kent completed the mechanical portion of this \$70 million design-build project. The work for the surface water project included all yard piping with sizes up to 84", all equipment installation including pumps, deep bed filters, pump stations, (13) chemical rooms and chemical storage facilities, Actiflo treatment process equipment, lime storage and conveying equipment, liquid oxygen storage tanks and ozone generators. All major equipment was purchased by the Owner; the installation, check out, and start-up of this equipment was performed by P&K.

South Cross Bayou WRF Plant Expansions | St. Petersburg

Personal Experience

The project was \$116 million with the mechanical portion at \$60 million; the project was performed as a Construction Manager at Risk. The expansion of this existing plant increased the flow capacity to 33-mgd. The project included new and refurbished work to both the North and South process trains. The addition of a new visitor center, entrance and parking areas were also added to the project. The treatment facilities include: a pumping station with grinders and coarse screens, a septage receiving station with holding tanks and pumps, a headwork's structure with (3) bar screens, grit removal system with (2) grit classifiers and (14) vortex grit removal units. The North train includes (5) primary clarifiers with pumps, (2) anoxic basins, (6) secondary aeration basins with fine bubble membrane diffusers and (4) final clarifiers. The South train includes (4) primary clarifiers with pumps, (3) anoxic basins, (6) secondary aeration basins with fine bubble membrane diffusers and (4) final clarifiers.

Orlando Utilities Commission Ozone Water Treatment Plant | Orlando

Personal Experience

The project was the first Ozone Water Treatment Plant for OUC; the system used compressed air as the oxygen source for ozone generation. The plant includes an ozone generator building and high service pump station building with dual electrical feeds. The facility is controlled through an automated supervisory control system that remotely operates the plant from a centralized center located several miles away from the project site. The project included: deep supply wells, pumps and all yard piping, air supply compressors with air filters and driers, ozone generators and feed system, an ozone contact tank, ozone destruct units, chemical feed and storage systems, a 5 million gallon water storage tank and a high service pump station with a pumping capacity of 25-mgd.

**Poole & Kent Company of Florida
Project Experience**

POSITIVE DISPLACEMENT BLOWERS

1	South District WWTP HLD Upgrade to 285-MGD Filter System, S-805 Miami-Dade County, Florida Plant Capacity: 285-MGD Completion Date: 2014
PROJECT OVERVIEW	Filter system upgrade to existing and operational wastewater treatment facility.
<u>Procurement and Installation of Blowers</u> (7) 500 Hp Positive Displacement Blowers (2) 200 Hp Centrifugal Blowers	

2	ECRWRF Biosolids Improvements City of West Palm Beach, Florida Plant Capacity: 70-MGD Completion Date: 2021
PROJECT OVERVIEW	Biosolids improvements to an existing and operational wastewater treatment facility.
<u>Procurement and Installation of Blowers</u> (2) 200 Hp Positive Displacement Blower Packages (WAS Storage/Equalization Tank) (1) Positive Displacement Blower (Grit Aeration)	

3	Nanofiltration Plant Town of Jupiter, Florida Plant Capacity: 30-MGD Completion Date: 2012
PROJECT OVERVIEW	This project included the construction of a 28,324 sq. ft. membrane building, 2,482 sq. ft. pretreatment building, backwash recovery lift station, (3) horizontal pressure filters, 157,000-gallon finished water clearwell, blend chamber and odor control/degasifier facility. The electrical components installed included (2) 1500 KW generators and new switchgear. P&K self-performed approximately 50% of the contract work and completed the project on time and within budget.
<u>Procurement and Installation of Blowers</u> (2) 40 Hp Positive Displacement Blowers	

4	East Port WRF Stage 1 Improvements Charlotte County, Florida Plant Capacity: 9-MGD Average, 27-MGD Peak Completion Date: 2015
PROJECT OVERVIEW	This project included construction of a 2.0 MGD aerobic digester, supernatant pump station and truck transfer pumping station; belt filter press feed pump station; emergency generator and fuel storage system; two (2) electrical buildings and related ductbanks, wiring and instrumentation; the repair, replacement, expansion, and/or rehabilitation of: automatic backwash water effluent filter; mechanical bar screen, grit pumps, grit cyclone and washing system; internal recycle and return activated sludge pump systems; a section of plant water pipe; stormwater pond retrofit and improvements, related electrical and instrumentation work, upgrade of existing SCADA systems and expansion of plant fiber optic communication systems, all related equipment, piping, site yard work and related appurtenances.
<u>Procurement and Installation of Blowers</u> (2) 100 Hp Positive Displacement Blowers (Digester Aeration Blower # 1 / #2) (3) 200 Hp Positive Displacement Blowers (Digester Aeration Blower #3 / #4 / #5)	

**Poole & Kent Company of Florida
Project Experience**

POSITIVE DISPLACEMENT BLOWERS

5	WWTP Filtration and Disinfection City of Punta Gorda, Florida Completion Date: 2014
PROJECT OVERVIEW	This project included construction of a filter pump station, deep bed sand filters, clearwell and backwash pumping station, mudwell and pumping station, Chlorine Contact Chamber modifications, chlorine gas system, polymer injection system, effluent sampling structure, associated electrical and control systems, and all piping and equipment necessary to complete a fully functional system.
	<u>Procurement and Installation of Blowers</u> (2) 150 Hp Positive Displacement Blowers

CENTRIFUGAL / TURBO BLOWERS

1	Southwest WRF Expansion & Upgrades City of Cape Coral, Florida Plant Capacity: 15-MGD Completion Date: 2012
PROJECT OVERVIEW	Expansion of existing facility from 6.6 MGD to 15.1 MGD.
	<u>Procurement and Installation of Blowers</u> (3) 450 Hp Centrifugal Blowers

2	Eastside WRF Aeration System and Headworks Expansion City of Venice, Florida Plant Capacity: 8.5-MGD Completion Date: 2016
PROJECT OVERVIEW	This \$9.8 million project included site work, demolition, relocation, construction, modification and installation of utilities, equipment and structures as required to increase the capacity of the wastewater facility to 8.5 million gallons per day. The project specifically included modification of existing headworks structure, installation of new grit removal system, modification to the existing aeration basins, internal recycle mixed liquor pumps, aeration system, blower building and modifications to the existing second anoxic basins.
	<u>Procurement and Installation of Blowers</u> (5) 350 Hp High Speed Turbo Centrifugal Blowers

Poole & Kent Company of Florida
Project Experience

HORIZONTAL END-SUCTION AND/OR NON-CLOG PUMPS 75 HP OR GREATER

1	South District WWTP HLD Upgrade to 285-MGD Filter System, S-805 Miami-Dade County, Florida Plant Capacity: 285-MGD Completion Date: 2014
PROJECT OVERVIEW	Filter system upgrade to existing and operational wastewater treatment facility.
	Procurement and installation of pumps (8) 200 Hp Horizontal Non-Clog Pumps for Filter Backwash Supply Water (8) 200 Hp Horizontal Non-Clog Pumps for Filter Backwash Waste Water (4) 200 Hp Horizontal Non-Clog Self-Priming Centrifugal Pumps

2	ECRWRF Biosolids Improvements City of West Palm Beach, Florida Plant Capacity: 70-MGD Completion Date: 2021
PROJECT OVERVIEW	Biosolids improvements to an existing and operational wastewater treatment facility.
	Procurement and installation of pumps (7) Horizontal Chopper Pumps (Digester Mixing Pumps – 100 Hp) (3) Horizontal Centrifugal Pumps (Equalized Centrate Pumps – 10 Hp) (2) Horizontal Chopper Pumps (FOG Tank Mixing Pumps – 20 Hp) (3) Horizontal Chopper Pumps (Thermophilic Sludge Heating Pumps – 25 Hp) (6) Horizontal Chopper Pumps (Mesophilic Sludge Heating Pumps – 7.5 Hp) (1) Horizontal, Recessed Impeller, End Suction, Non-Clog Pumps (Septage Unloading Pump – 5 Hp) (2) Submersible Non-Clog Pump (Septage Transfer Pumps – 30 Hp) (3) Submersible Non-Clog Pump (Centrate Sump Pumps – 15 Hp) (2) Submersible Non-Clog Pump (Dewatering Building Sump Pumps – 10 Hp) (3) Submersible Non-Clog Pump (Solid Drain Pumps – 50 Hp)

3	Nanofiltration Plant Town of Jupiter, Florida Plant Capacity: 30-MGD Completion Date: 2012
PROJECT OVERVIEW	This project included the construction of a 28,324 sq. ft. membrane building, 2,482 sq. ft. pretreatment building, backwash recovery lift station, (3) horizontal pressure filters, 157,000-gallon finished water clearwell, blend chamber and odor control/degasifier facility. The electrical components installed included (2) 1500 KW generators and new switchgear. P&K self-performed approximately 50% of the contract work and completed the project on time and within budget.
	Procurement and installation of pumps (2) 47 Hp Submersible Non-Clog Pumps (Backwash Recovery Pumps) (4) 200 Hp Single-Stage, Double Suction Horizontal Split Case Pumps (Boost Pumps) (4) 200 Hp Vertical Turbine Pumps (Membrane Feed Pumps) (4) 75 Hp Vertical Turbine Pumps (Transfer Pumps)

**Poole & Kent Company of Florida
Project Experience**

HORIZONTAL END-SUCTION AND/OR NON-CLOG PUMPS 75 HP OR GREATER

4	Pump Station 450 Improvements Broward County Florida Capacity: 30-MGD Completion Date: 2019
PROJECT OVERVIEW	Construction of upgrades to Pump Station 450 including, but not limited to a line stop, tapping valve/sleeve, temporary bypass pumps system, primary pumps system, jockey pumps system, seal water system, hoisting systems, electrical room motor control center, variable frequency drives, control system, air conditioning and ventilation system, store front door, rollup door, demolition, and telemetry system.
Procurement and installation of pumps (3) 300 Hp Horizontal Non-Clog Single Stage Solids Handling Centrifugal Pumps (MPS 450 Primary Pumps) (3) 300 Hp Horizontal Non-Clog Single Stage Solids Handling Centrifugal Pumps (MPS 450 Jockey Pumps)	
5	NDWWTP New Pumps for Existing DIW Pumping Station, Contract S-877 Miami-Dade County, Florida Plant Capacity: 120-MGD Completion Date: 2018
PROJECT OVERVIEW	Removal and demolition of four (4) existing vertical turbine pumps and 900 horsepower motors, along with associated discharge piping and valves; installation of six (6) new vertical turbine pumps and 1,250 horsepower motors in existing, vacant pump bays; connection of six (6) new 1,250 horsepower 4160 volt motors to existing variable frequency drives; installation of six (6) new flow control valves and electro-hydraulic actuators on Injection Well Pumps 1 through 6; installation of four (4) flow control valves and electric actuators on Injection Wells 1 through 4; instrumentation; electrical work; mechanical work; providing system integration and other appurtenant and miscellaneous items and work for a complete and fully functional installation.
Procurement and installation of pumps (6) 1,250 Hp Vertical Turbine (Non-Clog) Diffuser Pumps (Deep Injection Well)	
6	CDWWTP Industrial Injection Well Surface Facilities, Contract S-870 Miami-Dade, Florida Plant Capacity: 143-MGD Completion Date: 2020
PROJECT OVERVIEW	Construction of an Industrial Injection Well Pump Station at an existing and operational wastewater treatment plant.
Procurement and installation of pumps (4) 900 Hp Vertical Turbine (Non-Clog) Pumps	
7	SDWWTP HLD Upgrade to 285-MGD Effluent Pump Station No. 2, Contract S-817 Miami-Dade County, Florida Plant Capacity: 285-MGD Completion Date: 2014
PROJECT OVERVIEW	Construction of a three-story effluent pump station building, installation of (6) 900 HP Vertical Turbine Pumps and Motors, (6) VFDs, electrical switchgear, MCCs and controls. In addition, this project required large volumes of concrete placement and the installation of 500+ LF of prestressed concrete cylinder pipe ranging from 42" to 90". Successful completion of the project required extremely close coordination and cooperation with the Owner, Engineer, and other construction contractors as there were 14 other contracts in progress.
Procurement and installation of pumps (6) 900 Hp Vertical Turbine (Non-Clog) Effluent Pumps	

Poole & Kent Company of Florida
Project Experience

ELECTRICAL

1	South District WWTP HLD Upgrade to 285-MGD Filter System, S-805 Miami-Dade County, Florida Plant Capacity: 285-MGD Completion Date: 2014
PROJECT OVERVIEW	Filter system upgrade to existing and operational wastewater treatment facility.
	<u>Procurement and installation of electrical components</u> Main electrical equipment, medium voltage electrical power systems, and low voltage power systems.

2	CD 2.19(2) Co-Gen Facility and 2.01(6) Electrical Improvements, Contract S-891 Miami-Dade County, Florida Plant Capacity: 143-MGD Completion Date: 2019
PROJECT OVERVIEW	New Biological H ₂ S Biogas Treatment System including five bioreactor vessels and equipment containers, new Co-Gen Switchgear Building that will replace the existing electrical rooms in the Co-Gen Building and substations No. 17 and 18, a new Biogas Treatment Electrical Building, installation of biogas piping, and replacement of eight rotary sliding vane compressor systems.
	<u>Procurement and installation of electrical components</u> Main electrical equipment, medium voltage electrical power systems, and low voltage power systems.

3	CDWWTP Industrial Injection Well Surface Facilities, Contract S-870 Miami-Dade, Florida Plant Capacity: 143-MGD Completion Date: 2020
PROJECT OVERVIEW	Construction of an Industrial Injection Well Pump Station at an existing and operational wastewater treatment plant.
	<u>Procurement and installation of electrical components</u> Main electrical equipment, medium voltage electrical power systems and low voltage power systems.

Poole & Kent Company of Florida
Project Experience

LEAD ELECTRICIAN EXPERIENCE

Poole & Kent's Lead Electrician, or Electrical Contractor Qualifier, is David Strickland.

1	South District WWTP HLD Upgrade to 285-MGD Filter System, S-805 Miami-Dade County, Florida Plant Capacity: 285-MGD Completion Date: 2014
PROJECT OVERVIEW	Filter system upgrade to existing and operational wastewater treatment facility.
	<u>Electrical Construction Experience</u> Medium voltage electrical power systems and low voltage power systems.

2	CD 2.19(2) Co-Gen Facility and 2.01(6) Electrical Improvements, Contract S-891 Miami-Dade County, Florida Plant Capacity: 143-MGD Completion Date: 2019
PROJECT OVERVIEW	New Biological H ₂ S Biogas Treatment System including five bioreactor vessels and equipment containers, new Co-Gen Switchgear Building that will replace the existing electrical rooms in the Co-Gen Building and substations No. 17 and 18, a new Biogas Treatment Electrical Building, installation of biogas piping, and replacement of eight rotary sliding vane compressor systems.
	<u>Electrical Construction Experience</u> Medium voltage electrical power systems and low voltage power systems.

3	CDWWTP Industrial Injection Well Surface Facilities, Contract S-870 Miami-Dade, Florida Plant Capacity: 143-MGD Completion Date: 2020
PROJECT OVERVIEW	Construction of an Industrial Injection Well Pump Station at an existing and operational wastewater treatment plant.
	<u>Electrical Construction Experience</u> Medium voltage electrical power systems and low voltage power systems.



David Strickland is a Professional Engineer, Senior Vice President, Assistant Secretary, and Construction Qualifier with the Poole & Kent Company of Florida with over 35 years of experience in the design and installation of all types of mechanical and electrical systems. Mr. Strickland is responsible for all alternate delivery work and he uses his knowledge and expertise for business and project development, value engineering, estimating, design, start-up, test and balance and quality control on some of the most complex mechanical projects in the state.

Position

Senior Vice President
Assistant Secretary

Experience

35 Years

Joined Firm

1993

Education

West Virginia University
B.S., Chemical Engineering
Graduate - Economics / Business,
1986

Florida Professional Engineer No.
46763, April 1993

Registrations

Florida Certified:

- General Contractor
CGC061808
October 2000
- Electrical Contractor
EC13002938
July 2005
- Mechanical Contractor
CMC057192
May 2001
- Plumbing Contractor
CFC057380
May 2000
- Underground Utility &
Excavation Contractor
CUC1223771
December 2002
- Pollutant Storage System
Contractor
PCC1256776
June 2003
- Fire Protection System
20371600012010
April 2011

PARTIAL LISTING OF EXPERIENCE

Design-Build Services for the Construction of South District WWTP and Central District WWTP Sludge Thickening and Dewatering Buildings, DB18-WASD-02 | Miami

This \$195 million project includes the design, construction, and commissioning of new thickening and dewatering facilities at two operational wastewater treatment plants including all civil/site, process mechanical, architectural, structural, electrical, instrumentation, plumbing, HVAC, fire protection, odor control requirements, and all other components to facilitate the operation of the new facilities as required.

CD 1.05(2) Effluent Pump Station Electrical Improvements for Pumps 1 Through 6, S-922 | Miami

This \$25 million project consists of electrical improvements at the Effluent Pump Station No. 1 for Pumps 1 through 6 at an operational wastewater treatment plant. The SDWWTP Effluent Pump Station No. 1 consists of twelve (12) vertical turbine pumps which pump treated effluent from the plant to the injection wells onsite. The electrical improvements consist of replacing the motors for existing Effluent Pumps 1 through 6 with new 900 horsepower motors, and the construction of a new two-story electrical building which will house all new electrical switchgear, transformers, motor control centers, variable frequency drives, and other electrical & control equipment for pump station operation.

CD 2.21 Pump Station 1 and CD 2.25(4) Ventilation Improvements, P0210 | Miami

This project included the rehabilitation upgrades to Pump Station 1, an existing pump station located in the heart of Miami. Pump Station 1 consists of eight (8) 600 HP vertical centrifugal pumps, six of which are equipped with dual electric motor / direct diesel drives. The site is divided into two buildings; the Pump Building and the Odor Control Building. The WORK includes upgrades to the ventilation system in the motor room and dry wells, as well as upgrades to the odor control system equipment, and the electrical system. The existing ventilation system in the motor room and drywells within the Pump Building will be reconfigured to supply air through the motor room, and exhaust from the drywells and the roof of the motor room. In the Odor Control Building the existing single-stage wet scrubber system rated for 12,000 CFM will be replaced with a new larger system capable of handling 18,000 CFM. The electrical system will be upgraded by replacing the MCC and installing a new 250KW generator.

CD 1.02 Oxygen Production Upgrades, S-882R | Miami

This \$9 million project requires upgrading the existing oxygen production facilities which shall include construction of a new electrical building, installation of an owner furnished centrifugal compressor, and overhaul of the existing centrifugal compressor. The purpose of the upgrade will be to increase the oxygen production capacity at the plant and to provide for redundancy of equipment. The work consists of , but is not limited to, the following: Upgrade of Compressor No.3 from 100-tons to 125 tons, furnished by the Department; installation of new 125-ton Compressor No.4, furnished by the Department; installation of Local Control Panel for Compressor No.3 and No.4, furnished by the Department; installation of new compressor ancillary components including but not limited to the inlet filter for each compressor; piping modifications and additions to connect Compressor No.4 to the existing Cryogenic Oxygen Plants; construction of a new Electrical building to power Compressor No.3 and No.4, complete, including two (2) 5000 kVA Transformers, two (2) 5 kV Switchgears, two (2) 15 kV Switchgears and a 25 Ton air conditioning system; Installation of a new Motor Control Center; Electrical wiring modifications to feed power to the new and upgraded compressors to include installation of two (2) new 15 kV feeders from the existing Switchgear Building 1 to the new Electrical Building with two (2) feeder jumpers at the new 15 kV switchgear, new electrical duct bank to accommodate the new 15 kV feeders and new 15 kV feeder from existing Switchgear Building 1 to existing Substation No.17; Decommissioning in place the Compressors No.1 and No.2, Starters for Compressor No.1 and No.2,

Professional

- U.S. Green Building Council, Leadership in Energy and Environmental Design (LEED) Accredited Professional – July 2007 Building Design & Construction (BD + C) – January 2012
- Design-Build Institute of America, Designated DBIA Professional – 2006
- NEBB Certified / Air & Hydronic Qualified Supervisor, February 1996
- American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) – Past President – Board of Governors, Miami Chapter, October 1994
- Construction Association of South Florida, February 1993
- Florida Engineering Society #300028113, September 2009
- Associated General Contractors of America, February 1993
- Florida L.P. Gas Bureau Master Qualifier (8-03 and 6-04) March 2001
- Medical Gas Qualifiers Certification No. 02-0925-11, September 2003
- EPA 608 Universal Certification No. 071011027, October 2007

Relevant Expertise

- Water Treatment / Wastewater Facilities
- Chiller & Central Energy Plants
- Preconstruction & Scheduling Services
- Initial Project Planning
- Alternate Delivery Methods
- Value Engineering
- Electrical Systems
- Heating, Ventilating, & Air Conditioning
- Fire Protection
- Instrumentation & Controls

and Substation No. 3, 4 and 20; Demolition of the Air and Cooling Water Piping for Compressor No.1 and No.2; Compressor No.3 inlet air piping, valves and components; Compressor No.3 discharge silencer and blower-off valve; 15 kV feeders to Compressor No.1 and No.2; and 15 kV feeder jumper between Substation 1 and Substation 17; Site Civil and Stormwater work; Relocation of existing utilities.

CD 2.19(2) Co-Gen Facility and 2.01(6) Electrical Improvements, S-891 | Miami

This \$36 million project consisted of installing a new Biological H₂S Biogas Treatment System including five bioreactor vessels and equipment containers, a new Co-Gen Switchgear Building that will replace the existing electrical rooms in the Co-Gen Building and substations No. 17 and 18, a new Biogas Treatment electrical Building, installation of biogas piping from the Plant 1 digesters to the Biological H₂S Treatment System and from the Biological H₂S Treatment System to the co-generation engines in the Co-Gen Building, and replacement of eight rotary sliding vane compressor systems.

CDWWTP Industrial Injection Well Surface Facilities, S-870 | Miami

This \$25.9 million project consisted of furnishing and installing surface facilities for existing industrial injection wells at the Central District Wastewater Treatment Plant, located in Virginia Key. The project consists of furnishing all materials, labor and equipment necessary to construct an Industrial Injection Well Pump Station, equip two existing industrial injection wells with wellhead piping, equip a monitoring well with wellhead piping, and install piping and flow interceptor boxes to convey waste stream flows from five separate sources to the Injection Well Pump Station and to convey the pump station discharge to the two injection wells, and all other appurtenant and miscellaneous items and work for a complete, functional and satisfactory installation of the project. The pump station is a two-story building with two below grade wetwells and influent channel. Construction of the below grade wetwells will require design and construction of a cofferdam. The pump station has a pump room that houses four medium voltage (4160 volt) vertical turbine pumps and associated piping, valves, and controls; an air conditioned transformer room that houses four high voltage (13.2 KV) transformers; and an air conditioned electrical room on the second floor that houses switchgear, MCCs, VFDs, and other electrical and control panels. Surge protection for the injection well system is provided by two hydropneumatic surge tanks with associated air compressor system. The pipe diameters for the waste streams consist of 8", 16", and 48" ductile iron pipe and 10" HDPE pipe. Pump station discharge piping consists of 30" and 42" ductile iron piping. Pump discharge is controlled by 30" rotary pump control valves with electric/hydraulic valve actuator that is operated by a hydraulic valve accumulator system. The injection wells consist of a slab on grade with 24" ductile iron pipe, valves, magnetic flow meter, and air release valve. The monitoring well consists of two 1-horsepower horizontal centrifugal sampling pumps with 1 1/2" discharge piping and pressure and level instruments. High and medium voltage ductbanks will be installed to connect to the new pump station to the existing Main Switchgear Building.

NDWWTP New Pumps for Existing Deep Injection Well Pumping Station, S-877 | Miami

This \$6.3 million project included the removal and demolition of four (4) existing vertical turbine pumps and 900 horsepower motors, along with associated discharge piping and valves; installation of six (6) new vertical turbine pumps and 1,250 horsepower motors in existing, vacant pump bays; connection of six (6) new 1,250 horsepower 4160 volt motors to existing variable frequency drives; installation of six (6) new flow control valves and electro-hydraulic actuators on Injection Well Pumps 1 through 6; installation of four (4) flow control valves and electric actuators on Injection Wells 1 through 4; instrumentation; electrical work; mechanical work; providing system integration and other appurtenant and miscellaneous items and work for a complete and fully functional installation.

Master Pump Station No. 3, S-852 | Miami

This \$20 million project was one in a series of projects that provided sewer system capacity required to accommodate the large scale developments in the Brickell Basin area. P&K was awarded a contract to construct a new raw sewage master pump station consisting of a Pump Station Building and Generator Building on a confined portion of land between Interstate 95 and residential homes. The project required rigorous scheduling and planning to meet the schedule deadline.

South District WWTP Cogeneration Facility Improvements | Miami

Poole & Kent was awarded this highly complex design-build project in October 2011 with a contract value of \$20 million. Mr. Strickland's main role was constructability review and designing the HVAC system. The project entailed the upgrade to the existing Cogeneration System at the South District WWTP including design, permitting, supply, fabrication/installation of new cogeneration units, programming of the equipment controls, system check out, start-up, reliability demonstration, performance testing, and warranty of all new cogeneration units and ancillary systems.

Deep Injection Well for MS/RO Concentrate Disposal | Hollywood This \$5.6 million project consisted of the construction of a deep injection well and booster pump station including (4) super-duplex end suction centrifugal pumps, (2) horizontal split-case secondary effluent pumps, associated super duplex piping, valves, and appurtenances, and associated electrical, instrumentation, and control facilities; sample pumps and instrumentation for the injection well and monitor well system; electrical and I&C

system upgrades; installation of buried pipe, fittings, and associated valves and appurtenances; and associated site improvements.

Alexander Orr Jr. WTP East High Service Pump No. 6 Replacement, W-938 | Miami

This \$7.8 million project consists of furnishing all materials, labor, and equipment necessary to replace High Service Pump No. 6 which includes one new pump and engine rated at 2,000 – 2,500 horsepower, new pump control valves and piping, and a new power distribution enclosure to install new motor control center, UPS and batteries. Contractor to furnish and install new natural gas engine and gear reducer, complete with new emissions and exhaust system; furnish and install new horizontal split case pump, with a dedicated water supply from system for hydraulic accumulator operation. Piping work includes replacement of 48" suction and 42" discharge piping and valves. Contractor to replace suction and discharge butterfly valves which will require separate shutdowns. Replacement of suction side butterfly valve will require a diver to install a temporary plug in existing reservoir. Architectural improvements include renovation of existing office space to serve as new power distribution center to accommodate the electrical upgrades, and modification of operations room for new Pump No. 6 engine controls. Structural improvements include modifications to pump room floor in order to install new pump and engine. Partial demolition of masonry walls, concrete floors and concrete equipment supports is required. Contractor to furnish and install insulated metal panels above existing overhead door. Furnish and install new and modified access grating, handrails and ladders as required to access the pump, engine, piping and valves around the pump and in the piping trenches. Furnish and install new MCCs, UPS and batteries in renovated power distribution center (PDC). Install new circuit breaker and circuit to power equipment within the PDC. Install new pump No. 6 engine control panel. Furnish and install vibration monitoring system for pumps. Modify the existing I/O to the plant monitoring system to accommodate electrical changes. Replace the pressure transmitters/Interconnection wiring and conduit between engine, pump, cone valve, control valves, junction boxes, instrumentation and auxiliary devices. The Contractor shall be responsible, through furnishing a single qualified Control System Integrator (CSI), for the pump instrumentation and control systems (PSICS) to ensure system uniformity, subsystem compatibility and coordination of system interfaces.

GW Ivey Power Plant RICE NESHAP Compliance – Phase II | Homestead

Poole & Kent was awarded this \$911,000 design-build project which required bringing five existing engine generators into compliance with the US RICE NESHAP ruling for compression ignition engines.

North Cape Reverse Osmosis Facility | Cape Coral

This \$60 million project included the construction of a 12-mgd (18.564 cfs) Reverse Osmosis Water Treatment Plant. The facility is sized for a full build out capacity of 24-mgd (37.128 cfs). The major elements of the project included: (5) new buildings (62,300 sq. ft.), (6) cartridge filters, (4) high pressure 3-mgd RO treatment skids, (4) 600 HP vertical turbine membrane feeds pumps, membrane cleaning system, (4) chemical feed and bulk storage systems, (2) degasifier systems, 70,000 gallon clearwell with (3) 100 HP vertical turbine transfer pumps, (2) 600 HP & (2) 400 HP horizontal split case high service pumps, associated ductile yard and stainless steel process piping.

Water Treatment Plant No. 2: Reverse Osmosis Plant Site Expansion | Clearwater

This \$20.8 million project includes construction of a 6.5-MGD brackish reverse osmosis water treatment plant expansion to include raw water supply and a deep injection well for concentrate disposal at the City's existing Water Treatment Plant No. 2. The project includes the following components: civil site improvements, select demolition; new reverse osmosis treatment system; ozone treatment system; iron treatment system; transfer pump system; five chemical feed systems; one new finished water ground storage tank and existing storage tank modifications; one new concentrate ground storage tank; new high service pumps, motors, and VFDs; electrical, plumbing, and HVAC systems; control and alarm system modifications; bulk storage shelter enclosure; and miscellaneous buildings for offices, control room, laboratory, restrooms, meeting areas, and related.

South District WWTP Effluent Pump Station No. 2, S-17 | Miami

This \$17.8 million project was part of the \$628 million high-level disinfection project at the South District WWTP. The project consisted of the construction of a three-story effluent pump station building, installation of (6) 900 HP Vertical Turbine Pumps and Motors, (6) VFDs, electrical switchgear, MCCs and controls. In addition, this project required large volumes of concrete placement and the installation of 500+ LF of prestressed concrete cylinder pipe ranging from 42" to 90". Successful completion of the project required extremely close coordination and cooperation with the Owner, Engineer, and other construction contractors as there were 14 other contracts in progress.

Electrical Power Generator System Expansion | Hollywood

This \$1.7 million project included the expansion of the generator system at the existing water treatment plant and all construction necessary to successfully complete it. The contract required the installation of a new 1,500 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 TPO membrane roofing system.

GW Ivey Power Plant RICE NESHAP Compliance – Phase I | Homestead

Poole & Kent was awarded this \$850,000 design-build project which required bringing three existing engine generators into compliance with the US RICE NESHAP ruling for compression ignition engines. P&K had to determine which available combination silencer oxidation catalysts, crankcase ventilation systems, and exhaust monitors were optimal for use with the existing generators. P&K was responsible to provide specifications, design, construction, equipment procurement and installation, performance testing services, etc. This project was completed on time and within budget.

South Miami Heights WTP Reservoir and High Service Pump Station, W-857 | Miami

This \$16.2 million project consisted of the construction of (1) five million gallon reinforced concrete reservoir tank with influent and effluent flumes and a high service pump building with (4) variable speed 500 HP distribution pumps. Other elements included mass excavation through rock, (855) auger cast foundation piles, extensive large diameter process yard piping and ancillary compressed air, vacuum priming, and pressure sustaining systems.

South District WWTP HLD Upgrade to 285-mgd Filter System, S-805 | Miami

This \$135 million project, part of the \$628 million high-level disinfection project completed at the South District WWTP, included the construction of one of the largest deep bed sand filter system in the United States. It consisted of 30 cells measuring by 15.25 feet by 88 feet with 6 feet of sand filter media and with space for future expansion up to 48 cells. Construction consisted of (2) Filter System Buildings, Flocculation Tanks, Backwash Tanks, and a Polymer Building. Some of the equipment included is the following: (16) 200 HP Backwash Pumps, (7) 500 HP Centrifugal Blowers, (12) Mixers, Switchgear, Transformers, MCCs, (161) 24" Motor Operated Control Valves, (35) Flow Meters, (43) Level Transmitters, and multiple local control panels. The project consisted of 11 milestones and 3 substantial completion phases.

Southwest WRF Expansion Plant Upgrades | Cape Coral

This \$90 million project expanded the facility from 6.6-mgd to 15.1-mgd capacity. The most challenging aspect during the construction of this project was the schedule constraints of a 24-month time frame to substantial completion, along with continuous extensive coordination with existing facilities and utilities and the electrical work completed under a separate contract. Construction included headwork's modifications, grit building, (odor control building, activated sludge basin, RAS/WAS pump station no. 2, plant lift station no. 2, generator building no. 2, diesel fuel storage no. 2 structure, SWBD-4 and 5 buildings, blower building, (3) secondary clarifiers, aqua ABF filter's structure, chlorine contact tank no.'s 3 and 4, effluent transfer pump station, sodium hypochlorite building, aluminum storage and feed modification, reclaimed water pump station, surge tank slab, deep injection well, and E.R.D. office building. Our work also included all architectural, civil, HVAC, plumbing, mechanical, and site work. This project was completed on time and under budget.

G.T. Lohmeyer WWTP Pumping System Improvements | Ft. Lauderdale

This \$12.5 million project entailed the following: replacement and upgrade to all field instrumentation, the replacement of the 75 kva generator with a new 1000 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 (3) 10" sewage pumps with (3) 10" horizontal sewage pumps. At Pump Station No. 2, P&K replaced (3) sewage pumps with (3) 8" vertical pumps. At Pump Station No. 3, P&K replaced all (3) 6" sewage pumps with (3) 6" vertical pumps. At the Dewatering Building, P&K replaced all (8) sludge pumps with new 6" sludge pumps. At the Effluent Pump Station, P&K replaced all (3) non-potable water pumps.

**Proposed Electrical Subcontractor(s)
Project Experience & Lead Electrician**

**FISK ELECTRIC COMPANY
PROJECT EXPERIENCE**

Fisk Electric Company has experience with procurement and installation of main electrical equipment, medium voltage electrical power systems, and low voltage power system.

Attached, please find the following:

1. Project listing of water/wastewater treatment projects. Highlighted projects are within the 10-year completion period.
2. Detailed project profiles

**FISK ELECTRIC COMPANY
LEAD ELECTRICIAN EXPERIENCE**

Fisk's Proposed Lead Electricians, as listed below, are experienced with medium voltage electrical power systems and low voltage power systems.

1. Andrew Brown – 38 Years of Electrical Experience
2. Robert A. Brown – 34 Years of Electrical Experience
3. Eric Johnson – 24 Years of Electrical Experience

Resumes are attached. Projects meeting the bid requirements are highlighted.

WATER/WASTEWATER TREATMENT PLANTS

<u>PROJECT</u>	<u>GENERAL CONTRACTOR</u>	<u>PROJECT LOCATION</u>	<u>CONTRACT AMOUNT</u>	<u>DATE OF COMPLETION</u>	<u>DESCRIPTION OF WORK</u>
MARATHON PUMP STATION	Cardinal Contractors, Inc. 2291 Cantu Court, Ste. 106 Sarasota, FL 34232 (941) 377-8555	Marathon Key Florida	\$413,321.00	06/30/00	Procurement and Installation of MV Switchgear, VFD's, Combination of Starters, MV Cable and Terminations.
9 TH STREET PUMP STATION	Poole & Kent Cont. 1781 NW North River Dr. Miami, FL 33125 (305) 325-1930	9 St & Biscayne Blvd. Miami, FL	\$506,300.84	07/13/01	Procurement and Installation of MV Switchgear, VFD's, Combination of Starters, MV Cable and Terminations.
TEQUESTA WTP	Poole & Kent Cont. 1781 NW North River Dr. Miami, FL 33125 (305) 325-1930	901 Old Dixie Hwy. Jupiter FL	\$1,100,000.00	09/12/03	Procurement and Installation of MV Switchgear, VFD's, Combination of Starters, MV. Cable and Terminations

WATER/WASTEWATER TREATMENT PLANTS

<u>PROJECT</u>	<u>GENERAL CONTRACTOR</u>	<u>PROJECT LOCATION</u>	<u>CONTRACT AMOUNT</u>	<u>DATE OF COMPLETION</u>	<u>DESCRIPTION OF WORK</u>
REVERSE OSMOSIS WTP	Cardinal Contractors, Inc. 2201 Cantu Court, Ste. 106 Sarasota, FL 34232 (941) 377-8555	Stock Island Florida Keys	\$1,114,452.00	02/13/04	Procurement and Installation of MV Switchgear, VFD's Combination of Starters, MV Cable and Terminations.
PINE ISLAND ROAD PUMP STATION	Wharton-Smith, Inc. 3547 SW Corporate Pkwy. Palm City, FL 34990 (772) 283-2944	2650 Pine Island Rd. Cooper City, FL 33024	\$300,215.00	12/12	Procurement and Installation of MV Switchgear, VFD's, Combination of Starters, MV Cable and Terminations.

WATER/WASTEWATER TREATMENT PLANTS

<u>PROJECT</u>	<u>GENERAL CONTRACTOR</u>	<u>PROJECT LOCATION</u>	<u>CONTRACT AMOUNT</u>	<u>DATE OF COMPLETION</u>	<u>DESCRIPTION OF WORK</u>
S41 PUMP STATION	Nagelbush Mechanical Inc. 5101 N.W. 21 st St. Ave. Suite 210 Ft. Laud. FL 33309 Ray Mehta, PM (954) 736-3000	I-75 – Mile Marker 47 Broward County, FL	\$350,000.00	02/13	Procurement and Installation of MV Switchgear, VFD's Combination of Starters, MV Cable and Terminations.
SOUTHWEST WASTEWATER TREATMENT PLANT	Kirin Florida, LLC 3125 W. Commercial Blvd. Suite 200 Ft. Laud. FL 33309 (954) 739-8100	15400 Slydgemill Rd. Davie, FL 33331	\$2,388,000.00	07/29/16	Procurement and Installation of MV Switchgear, VFD's Combination of Starters, MV Cable and Terminations.

Co-Gen Facility and Electrical Improvements

Central District Wastewater Treatment Plant, Virginia Key, FL



Engineer: CDM Smith - Layla L. Llewelyn
305-372-7171
800 Brickell Ave., Suite 500, Miami, FL 33131

Consultant: Miami-Dade WASD Consent Decree PMCM Team - Robert Romero
305-704-6473
135 San Lorenzo Ave., Suite 600, Coral Gables, FL 33146

General Contractor: Poole & Kent Company of Florida - David Blanchard
305-325-1930
1781 N.W. North River Drive, Miami, FL 33125

Duration: 24 Months, 10/23/19

Fisk Scope: Electrical

Contract Value: \$ 10,733,168.00

Description: The project consists of installing a new Biological H₂S Biogas Treatment System including five bioreactor vessels and equipment containers, a new Co-Gen Switchgear Building that will replace the existing electrical rooms in the Co-Gen Building and substations No. 17 and 18, a new Biogas Treatment Electrical Building, installation of biogas piping from the Plant 1 digesters to the Biological H₂S Treatment System and from the Biological H₂S Treatment System to the co-generation engines in the Co-Gen Building, and replacement of eight rotary sliding vane compressor systems.

Digesters Plant 2 Upgrades

Central District Wastewater Treatment Plant, Virginia Key, FL



Engineer: Stantec
786-313-5505
2600 Douglas Rd. Suite 600 Coral Gables, FL 33134

Consultant: Miami-Dade WASD Consent Decree PMCM Team
305-704-6473
135 San Lorenzo Ave, Suite 600, Coral Gables, FL 33146

General Contractor: Poole & Kent Company of Florida
305-325-1930
1781 NW North River Drive, Miami, FL 33125

Duration: 17 Months, 10/01/19

Fisk Scope: Electrical

Contract Value: \$ 1,352,000.00

Description: Renewal and Upgrade of the Plant 2 Digester Cluster 2 Complex that include: the replacement of all treatment process equipment and piping, including covers for Tanks 5,6,7,& 8; doors, windows, and louvers; air conditioning and ventilation systems; electrical power supply and lighting; and instrumentation and controls; repairs and extension of the existing Electrical Room.

Southwest Wastewater Treatment Plant

15400 Slydgemill Rd., Davie, FL 33331



General Contractor: JJ Kirlin Florida, LLC - Sam Akrouk, Sr. PM
954-739-8100
3125 W. Commercial Blvd., Suite 200, Ft. Lauderdale, FL 33309

Engineer: Hazen and Sawyer Environmental Engineers & Scientists
954-462-2709
4000 Hollywood Blvd., Hollywood, FL 33021

Owner: City of Sunrise
954-572-2363
1607 N.W. 136th Avenue, Building B, Sunrise, FL 33323

Duration: 2 Yrs. - 2014 - 2016

Fisk Scope: Electrical

Contract Value: \$ 2 Million +

Description: Repair and Replacement Upgrades for High Level Disinfection/Reuse Facilities. Work included : Construction of new headworks facility, rehabilitation of existing oxidation ditches and secondary clarifiers, construction of filter feed pumps, chlorine contact basins, sodium hypochlorite facility, RAS/WAS Pumping Station, construction of new Main Electrical and Headworks Building, new electrical distribution with back-up generator.

Pine Island Road Pump Station

2650 Pine Island Road, Cooper City, FL 33024



Cooper City Utilities Department
Pine Island Road Pump Station

Print #121010025
Date: 10/10/12
Lat/Lon: 26.034796 -80.265284

 Aerial Photography, Inc. 954-568-0484

General Contractor: Wharton-Smith, Inc. Construction Group - Sesilie J. Dimbath, Proj.Asst.
561-748-5956
125 W. Indiantown Rd., Suite 201, Jupiter, FL 33458

Engineer: Hazen and Sawyer Environmental Engineers & Scientists
954-462-2709
4000 Hollywood Blvd, Hollywood, FL 33021

Owner: City of Cooper City
954-434-4300
9090 SW 50th Place, Cooper City, FL 33328

Duration: Nine Months

Fisk Scope: Electrical

Contract Value: \$ 300,000.00 +

Description: Renovation to an existing pumping facility, provided emergency generator, renovation of existing Fire Alarm System and replace several pumping stations. (Instrumentation and Control.)

North Regional Wastewater Treatment Plant - Reclaimed Water Upgrade

Pompano Beach, Florida



General Contractor: Poole and Kent of Florida

305-325-1930

1781 N.W. North River Drive

Miami, Florida 33125

Engineer:

Hazen and Sawyer

954-987-0066

4000 Hollywood Blvd. Hollywood, Florida 33021

Owner:

Broward County

954-831-3250

2555 W. Copans Road Pompano Beach, Florida 33069

Duration: 2018 - 2020

Fisk Scope: Electrical

Contract Value: \$ 12.2 Million

Description: Part of a Multi Contract Water Upgrade, this project includes the Expansion and modification of the existing filter feed pump station to be able to convey up to an annual daily flow rate of 29 million gallons per day. In order to achieve this many new upgrades were required which called for the addition of a new 2 story 15kV Electrical Distribution Building and Emergency Generator Plant. There is also a new Chemical Storage Facility, Chlorine Contact Tanks, expansion of the Reclaimed Water Distribution Building, Distribution Pump Station along with the associated Yard piping and Site Electrical upgrades. Fisk Electric installed more than 13,000' of underground distribution ductbanks and new 15kV feeders throughout the facility. We also provided new communications and signals wiring along with 480v feeds to various locations onsite.

Andrew Brown

1910 S.W. 95th Terrace

Miramar, FL 33025

Cell: (786) 412-4825

abrown@fiskcorp.com

SUMMARY OF QUALIFICATIONS

Over 38 years of experience in the Electrical Industry. I have an extensive background in construction of large facilities of all systems, from Fire Alarm, Motor Control, SCADA systems and all Electrical. From Lighting and Receptacles to High Voltage Work. I have managed labor on large volume projects and performed work on highly technical projects. I have a full understanding of Blue Prints and Job Specifications and how to implement them.

PROFESSIONAL BACKGROUND

1998 – Present	Fisk Electric Co.	General Foreman	Medley, FL
1997 – 1998	American Fire	Fire Alarm Technician	Medley, FL
1984 – 1997	Aressco Inc	Service/Installation Manager	Miami, FL
1982 – 1984	Levitz Electric	Foreman	Miami, FL
1980 – 1982	Anchor Electric	Electrician	Miami, FL
1979 – 1980	Levitz Electric	Apprentice	Miami, FL
1978 – 1979	Dade Electric	Apprentice	Miami, FL

SOME MAJOR PROJECTS COMPLETED

General Foreman	Miami Dade Water & Sewer Dewatering Installation of MV Switchgear, LV Switchgear, Ductbanks, Starters, VFD's MV Cable and Terminations. Design Build - \$14,000,000	Electrical
General Foreman	Miami Dade Water & Sewer Secondary Installation of Class 1 Division II Conduit systems, Controls and Instrumentation. Installation of Variable Frequency Drives, Feeders and Terminations Clarifiers - \$8,700,000	Electrical

General Foreman	Miami Dade Water & Sewer Digester Installation of Class 1 Division II Conduit systems, Controls and Instrumentation. Installation of Variable Frequency Drives, Feeders and Terminations Cluster 2 - \$2,300,000	Electrical
General Foreman	Miami Dade Water & Sewer Cogen Generators - \$14,000,000	Electrical
Foreman	Hyatt Hotel - 208 Unit Building \$8,000,000	Electrical
Foreman	Broward County Courthouse \$34,000,000	Electrical
Foreman	Falls YMCA - \$2,300,000	Electrical
Foreman	Miami Airport – North Terminal Development - \$27,000,000	
General Foreman	Miami Inter Model Center Rental Car Facility - \$34,000,000	Electrical
Foreman	Miami International Airport South Terminal Development \$50,000,000 +	Electrical

EDUCATIONAL BACKGROUND

Journeyman Wireman - 1995 Miami, FL

Robert A. Brown

14221 SW 75th Ct.
Miami, Florida 33158

Cell: (305) 970-8429

Email: bbrown@fiskcorp.com

SUMMARY OF QUALIFICATIONS

Thirty-Four years of experience in the Electrical Industry, which includes Purchasing, Apprenticeship Training, Foreman, General Foreman and Superintendent on numerous Large Projects.

PROFESSIONAL BACKGROUND

2000 – Present	Fisk Electric Co.	Superintendent	Medley, FL
1998-2000	Fisk Electric Co.	General Foreman	Medley, FL
1988-1998	Dynaelectric	Foreman	Miami, FL
1985-1988	Hugh Cauthen	Apprentice	Miami, FL
1984-1985	C.U. Associates	Apprentice	Miami, FL
1980-1984	Levitz Electric	Electrical Helper	Miami, FL

SOME MAJOR PROJECTS COMPLETED

Superintendent	MIA – NTD C&D Shell - \$12,000,000 Turner-Austin Construction	Electrical
Superintendent	MIA Chiller Plant Bldg. Expansion Poole & Kent Construction MV Switchgear, MV Cable & Terminations, MV ductbanks, LV Starters, LV Switchgear. Installation of LV Generators and Transfer Switches and Controls.	Electrical
Superintendent	MIA NTD Concourse D - \$7,000,000 Extension Turner-Austin Construction	Electrical

Superintendent	MIA Taxiway Expansion and Rehabilitation of SOLO Construction – 2002 to 2004	Electrical
Superintendent	MIA H-J Apron and Utilities Project - \$3,000,000 Extensive temporary and permanent Airfield Electrical Pavement marking and lighting, electrical and communication duct system, taxiway edge and centerline lighting and high mast floodlighting Kiewit Southern Co. – 2004 to 2006	
Superintendent	MIA South Terminal - \$50,000,000+ Hensel Phelps Construction	Electrical
Superintendent	MIA NTD A-B Infill N. Term. \$50,000,000+ Parson Odebrecht (POJV)	Electrical
Superintendent	Miami Intermodal Center - \$23,000,000+ Turner Construction	Electrical
Superintendent	Southwest Florida International Airport \$17,000,000 Dick Corporation Ft. Myers, Florida	Electrical
Superintendent	Brooksville Hospital - \$4,000,000 M.J. Harris Corporation Brooksville, Florida	Electrical
Superintendent	FIU Football Stadium - \$4,000,000 Odebrecht Construction	Electrical
Superintendent	1060 Brickell Condominiums - \$12,000,000 Turner Construction	Electrical
Superintendent	MIA – Mover APM - \$4,000,000 Parsons-Odebrecht (POJV)	Electrical
Superintendent	UM Life Science & Technology Park - \$1,891,000 The Whiting-Turner Contracting Company	Electrical
Superintendent	JCC Community Center - \$644,000 KM Plaza Construction	Electrical
Superintendent	HAITI Substation Upgrade - \$2,159,000 Perini Management Services	Electrical
Superintendent	AMTRAK Repair Facility - \$3,000,000 D.B. Kenyon Construction	Electrical
Superintendent	YMCA - \$900,000 Gerrits Construction, Inc.	Electrical
Superintendent	Orangeline Metrorail Station - \$18,000,000+ Odebrecht Tower Community Joint Venture	Electrical

Superintendent	Ft. Lauderdale Airport Tunnel and Elevated Runway and Installation of Airfield Lighting Project - \$12,000,000 Tutor Perini Civil – 01/2012 to 02/2014	Electrical
Superintendent	Ft. Lauderdale Airport Terminal Baggage Upgrade - \$3,000,000 Whiting-Turner Construction – 03/2013 to 06/2015	Electrical
Superintendent	Panorama Tower Building - \$28,000,000 Tutor Perini Building / Rotunda Structures 03/2015 to 08/2018	Electrical
Superintendent	Southwest WWTP JJ Kirlin, LLC - \$2,388,000.00	Electrical
Superintendent	CO-GEN Facility and Electrical Improvements Poole and Kent Company of Florida \$10,354,700.00	Electrical
Superintendent	Central District WWTP Poole and Kent Company of Florida Installation of LV Switchgear, Starters, VFD's and Instrument Controls \$1,352,000.00.	Electrical
Superintendent	POM Cargo Yard Densification Odebrecht Construction, Inc. \$8,222,300.00	Electrical
Superintendent	Florida Atlantic University 13kv Replacement Florida Atlantic University - \$2,627,724.85	Electrical
Superintendent	MIAR FedEx Espansion The Whiting-Turner Contracting \$252,125.00	Electrical
Superintendent	FAU Boca Campus Housing BT-653 The Weitz Company, LLC \$36,000.00	Electrical
Superintendent	Miami-Dade County Civil and Probate Courthouse Tutor Perini Building Corp. \$34,050,000.00	Electrical
Superintendent	POM Terminal F Expansion Lemartec Corporation - \$17,053,471.00	Electrical

Apprentice	MIA Tunnel, Taxiway Runway and Airfield Electrical Lighting Relocation C.U. Associates - \$3,200,000	
Foreman	MIA Hotel Expansion - \$3,000,000 Rooney Construction	Electrical
Foreman	MIA Terminal Ramp J - \$200,000 TGSV Construction	Electrical
Foreman	MIA Card Reader #1- \$1,200,000 TGSV Construction	Electrical
General Foreman	MIA Concourse E FA System - \$1,500,000 James A. Cummings	Electrical
General Foreman	MIA Card Reader Expansion, Taxiway Runway Relocation and Airfield Lighting - 7,000,000 TGSV G.C.	Electrical
General Foreman	MIA Concourse Improvements - \$3,000,000 Beauchamp G.C.	Electrical
General Foreman	MIA Concourse F Improvements - \$1,700,000 James A. Cummings	Electrical
General Foreman	MIA Concourse H New Concourse - \$7,000,000 Centex/ Rooney	Electrical
General Foreman	America Airlines Hanger - \$3,500,000 Trafalgar House G.C.	Electrical
General Foreman	Job Corp Center - \$2,800,000 Parker Bldg. Corp	Electrical
General Foreman	PSI Net Hosting Center - \$8,000,000 Clark Construction	Electrical

EDUCATIONAL BACKGROUND

Apprenticeship School - IBEW 349	Journeyman Wireman - 1984-1988	Miami, FL
Southwest High School	High School Diploma - 1978	Miami, FL

Eric S. Johnson

4000 Collins Ave.
Miami Beach, Florida 33140
Cell: (786-412-3191)
Email: fiskej@netzero.net

SUMMARY OF QUALIFICATIONS

Over twenty-four years of experience in the Electrical Industry, I have an extensive background in electrical construction at large facilities, comprehension and execution of blueprints and specifications, as well as all aspects of large-scale Project Management. I have held supervisory level positions with major Electrical organizations. Along with technical and practical experience. Experience in Wastewater Treatment Plants including MV Switchgear, MV Generators and Transfer Switches. Installation of MV and LV Ductbanks. Installation of Starters and Controls instrumentation and commissioning of MV Switchgear and Controls.

PROFESSIONAL BACKGROUND

2004 – Present	Fisk Electric Co.	Superintendent	Medley, FL
1997-2004	Fisk Electric Co.	General Foreman	Medley, FL
1995-1997	Dynaelectric	Foreman	Miami, FL
1990-1995	Monahans Electric	Foreman	Miami, FL

SOME MAJOR PROJECTS COMPLETED

Superintendent	FAU ITB 13kv Feeder Replacement Florida Atlantic University \$403,100.00	Electrical
Superintendent	Florida Atlantic University 13kv Replacement Florida Atlantic University \$2,627,724.85	Electrical
Superintendent	Volt Server Room – HRS Miami Dolphins \$266,400.00	Electrical

Superintendent	North Regional WWTP Poole and Kent Company of Fla. MV Switchgear, MV Cable & Terminations, MV ductbanks, LV Starters, LV Switchgear. Installation of MV Generators and Transfer Switches \$12,200,000.00	Electrical
Superintendent	North District WWTP - S-895 Kiewit Infrastructure South Co. MV Switchgear, MV Cable & Terminations, MV ductbanks, LV Starters, LV Switchgear. Installation of Generators and Transfer Switches and Controls Instrumentation \$4,225,000.00	Electrical
Superintendent	Port of Miami Terminal F Renovation MCM Construction - \$5,824,165.00	Electrical
Superintendent	MIA Taxiway Expansion - \$4,000,000 SOLO Construction	Electrical
Superintendent	MIA South Terminal - \$50,000,000+ Hensel Phelps Construction	Electrical
Superintendent	MIA NTD A-B Infill N. Term.- \$50,000,000+ Parson Odebrecht (POJV)	Electrical
Superintendent	MIA – Mover APM - \$4,000,000 Parsons Odebrecht (POJV)	Electrical
Superintendent	USDA Aphis Facility – \$6,500,000 HITT Construction	Electrical
Superintendent	Discovery Channel Latin America \$4,000,000 Clark Construction	Electrical
Foreman	Everglades Correctional Institute TGSV Construction	Electrical

EDUCATIONAL BACKGROUND

Journeyman Wireman - 1995 Miami, FL

Grace Christian High School Diploma - 1983 Dinwiddie, VA.

Miami Dade College 1983-1985 Finance Curriculum Miami, Florida

**Proposed Electrical Subcontractor(s)
Project Experience & Lead Electrician**

**SOLARES ELECTRICAL COMPANY
PROJECT EXPERIENCE**

Solares Electrical has experience with procurement and installation of main electrical equipment, medium voltage electrical power systems, and low voltage power system. Please refer to the attached project listing.

**SOLARES ELECTRICAL COMPANY
LEAD ELECTRICIAN EXPERIENCE**

Solares Electrical's Proposed Lead Electrician, Daniel Moriyon has over 30 years of electrical experience including medium voltage electrical power systems and low voltage power systems. Please see attached resume. Projects meeting the bid requirements are highlighted.



Water/Wastewater Treatment Plant Experience

Poole & Kent Contractors – StephenPill@pkflorida.com - 305-764-4158

South District Wastewater Treatment Plant - 2022

- ✓ Procuring and Installing main electrical equipment
 - ✓ Medium Voltage
 - ✓ Electrical and controls for Motor and Starters
 - ✓ Electrical systems
 - ✓ Low voltage motors
 - ✓ High voltage motors
 - ✓ Variable frequency drives
 - ✓ 13.2 KV transformers, feeders and switches
 - ✓ 4160V transformer, feeders and switchgear
 - ✓ 480V transformer, feeders and switchgear
 - ✓ Motor control centers
 - ✓ SCADA and Controls
 - ✓ Fire Alarm
 - ✓ Work performed while maintaining operations of the facility
-

Skanska USA Building Inc – Frank.Longo@skanska.com – 904-337-0807

Project C-Jackson Memorial Hospital – Upgrades to Central Energy Plant - 2020

- ✓ Procuring and Installing main electrical equipment
- ✓ Medium Voltage
- ✓ Motor and Starters
- ✓ Electrical systems
- ✓ Low voltage motors
- ✓ High voltage motors
- ✓ Variable frequency drives
- ✓ 13.2 KV transformers, feeders and switches
- ✓ 4160V transformer, feeders and switchgear
- ✓ 480V transformer, feeders and switchgear
- ✓ Motor control centers
- ✓ SCADA and Controls
- ✓ Fire Alarm
- ✓ Work performed while maintaining operations of the facility

Engineer Control System – Fzayas@engineercontrols.com – 305-895-4376

South District Wastewater Treatment Plant - 2022

- ✓ Procuring and Installing main electrical equipment
- ☐ Medium Voltage
- ✓ Motor and Starters
- ✓ Electrical systems
- ✓ Low voltage motors
- ☐ High voltage motors
- ✓ Variable frequency drives
- ✓ 13.2 KV transformers, feeders and switches
- ☐ 4160V transformer, feeders and switchgear
- ✓ 480V transformer, feeders and switchgear
- ✓ Motor control centers
- ✓ SCADA and Controls
- ☐ Fire Alarm
- ✓ Work performed while maintaining operations of the facility

MDC ITD-DPCC Alternative Power to Main Switchgear -

Alan.Shewchuk@miamidade.gov – 305-596-8015 – 2018

- ✓ Procuring and Installing main electrical equipment
- ☐ Medium Voltage
- ✓ Motor and Starters
- ✓ Electrical systems
- ✓ Low voltage motors
- ☐ High voltage motors
- ☐ Variable frequency drives
- ☐ 13.2 KV transformers, feeders and switches
- ☐ 4160V transformer, feeders and switchgear
- ✓ 480V transformer, feeders and switchgear
- ✓ Motor control centers
- ✓ SCADA and Controls
- ☐ Fire Alarm
- ✓ UPS System
- ✓ Work performed while maintaining operations

Alen Construction Group – ruben@alenconstructiongroup.com – 954-252-1372 – Sawgrass Watertreatment Plant - 2014

- ✓ Procuring and Installing main electrical equipment
- ✓ Medium Voltage
- ✓ Motor and Starters
- ✓ Electrical systems
- ✓ Low voltage motors
- ☐ High voltage motors
- ✓ Variable frequency drives
- ☐ 13.2 KV transformers, feeders and switches
- ✓ 4160V transformer, feeders and switchgear
- ✓ 480V transformer, feeders and switchgear
- ✓ Motor control centers
- ✓ SCADA and Controls
- ✓ Fire Alarm
- ☐ UPS System
- ✓ Work performed while maintaining operations of the facility

Daniel Moriyon Foremen

PROFILE

Offering 30 years of electrical experience in Commercial & Industrial Construction.

- Journeyman Electrician
- Diligent and detail oriented professional with expertise in commercial electrical installations.
- Proven ability to complete large projects under budget and within given timeframes and/or ahead of schedule, ensuring all safety guidelines are adhered to.
- Experienced in Blueprint Interpretation, Fiber Optics, Circuit Breakers & Transformers, Communication Systems, Electrical Wiring, Equipment Testing, Equipment Testing, Service, Repair & Maintenance
- I am a dedicated and dependable individual who takes great pride in his work. I have demonstrated the ability to work well in a team-driven environment but I also work well independently and unsupervised.

PROFESSIONAL EXPERIENCE

2009-present **Solares Electrical Services Inc.** (Foremen)

Install, operate and energize breakers, transformers, switchgears, disconnects and other related substation construction work, bending of conduit and installing aluminum and rigid tubing. Install control wiring. Perform preventative measures to ensure a smooth-functioning electrical system. Estimate necessary materials and maintain inventory of used supplies. Accurately prepare cost estimates.

Recent Projects:

- 2012- GSA – Miami Dade County **SCOPE:** Energy Management Automation, installation of energy management control wiring, sensors frequency drives.
- 2013- UM Rooftop Helipad **SCOPE:** Complete electrical, controls, fire alarm, along with fixtures on Luminaire schedule and new 10' light pole.
- 2014- Sawgrass WTP Switchgear Reliability and Related Improvements **SCOPE:** Extensive Switchgear retrofit of the existing Russelectric and Eaton HV distribution switchgear, Buss Duct, cable tray and fire alarm. Several shutdowns and extensive coordination had to take place to accomplished a successful completion of the around the clock operating facility.
- 2014- Electrification of Wharf 6 and Reconnect of Cranes 4, 5, 6, 7, 11 and 12 **SCOPE:** Medium Voltage installation, disconnection of old Cranes 4, 5, 6, 7, 11 and 12 and the electrical reconnection of new cranes. This also involved pulling 2 new 13.2 kv feeders (2300' long), along with pulling new fiber optic cables for the cranes.
- 2014- Center of Innovative Medicine **SCOPE:** New Construction with complete installation Electrical, fire alarm, connection of medical equipment, switchgear, Generator, lighting, miscellaneous receptacles, phone outlets and thermostat.
- 2015 - JMH Energy Monitoring and Control Systems **SCOPE:** Installation, coordination and construction management, installing and connecting automatic transfer switches, power meter, communication gateway and current transformers for Assco and Russelectric.

- **2018 - MDC ITD-DPCC Alternative Power to the Main Switchgear – SCOPE:** Complex rehabilitation of entire electrical distribution system including Controls and UPS System. Several shutdowns needed to take place as we were working in an active facility.
- **2018 - MIA - Concourse G Switchgear Replacement SCOPE:** Miami International Airport Replacement and Installation of three 480V main distribution switchgears as well as installation of several 480V distribution panels around Cc-G. Several shutdowns were prepared and performed to meet the airports requirements.
- **2020-JMH Central Energy Plant SCOPE:** Relocate Existing Generator, install precast cable trench. Install Medium Voltage Switchgear and two new 2-MW medium voltage Generators Installation of 480V ATS's, Electrical Panels and feeders all done with more than 90 coordinated shutdowns to accommodate the needs of an active hospital.
- **2022 - South District Wastewater Treatment Plant SCOPE:** New Electrical Substations Installation of 13.2 KV and 480V transformers, motor control centers, MV frequency drives, electrical panels, in addition 13.2KV feeders, switches and installation of RTU's, installation and termination of all SCADA control wiring.

2006 - 2009 **D & G Services Work,** (President –Electrician)

2004-2006 **Quality Communication** (Electrician)

Installed commercial and industrial electrical systems. Performed testing repairs, wiring and regular maintenance in residences. Estimated tools and equipment needed for jobs. Ordered and picked up supplies from outside vendors. Successfully collaborated with other electrician and sub-contractors to complete large projects ahead of schedule and under budget.

1998-2004 **Honshy Electric** (Electrician)

1995-1998 **Emilio Electric** (Electrician)

LICENSING & CREDENTIALS

- Journeyman Electrician License
- Training in Medium Voltage Splices and Terminations
- Fire Alarm system License
- OSHA Certification
- Certified Fiber Optic Technician
- Installing Photovoltaic Systems (Training)
- Bilingual

References Available Upon Request



Memorandum

To: Paul Adams, Manager Construction Contract Division MDWASD

From: Layla Llewelyn, P.E. CDM Smith 

Date: April 28, 2022

Subject: ST-2B Clarifiers and HLD (Contract S-932) – Bid Recommendation

CDM Smith has reviewed the additional information provided by Poole & Kent on April 22, 2022, in response to the Bid Evaluation and Required Clarifications issued by CDM Smith on April 15, 2022. Table 1 below summarizes the findings.

Table 1 Clarifications for Qualifications

Bid Advertisement Qualifications and Experience Requirements	CDM Smith Comments	Poole & Kent Response 4/22/2022	CDM Smith Comments
The Bidder's proposed project manager shall have successfully completed a minimum of three (3) projects demonstrating project management experience with large wastewater treatment upgrade projects having a total construction value (for each project) greater than \$50 million. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.	The Bidder's proposed project manager is Mr. Salinas. Clarification/confirmation that he meets the minimum requirement of 3 completed projects is needed. Projects listed and considered for this experience: - NRWWTP Facility Improvements - Solids, Pompano Beach - \$55.9 million, Project Ongoing (ECD - 1/31/23) – Completion date is beyond advertisement date. Is there another qualifying project? - NRWWTP Expansion, Pompano Beach - \$53.2	Mr. Duane Armstrong has been proposed as the project's Senior Project Manager. Mr. Armstrong has completed 3 projects in the last 10 years with construction values greater than \$50M. Mr. Salinas's project experience includes the South District Wastewater Treatment Plant High Level Disinfection Upgrade, Contract S-805, which is identical to what is being installed under S-932 and was valued at \$135M.	Mr. Duane Armstrong's qualifications meet the Contract's qualification requirements for 3 projects completed within the last 10 years with values greater than \$50M.

Table 1 Clarifications for Qualifications

Bid Advertisement Qualifications and Experience Requirements	CDM Smith Comments	Poole & Kent Response 4/22/2022	CDM Smith Comments
	million, Project shown as completed after invitation to bid (3/30/22) - Completion date is beyond bid advertisement date. Is there another qualifying project? ▪ SDWWTP HLD Upgrade S-805 - \$135 million, Project completed 11/30/13. Meets criteria.		

Table 1 Clarifications for Qualifications

Bid Advertisement Qualifications and Experience Requirements	CDM Smith Comments	Poole & Kent Response 4/22/2022	CDM Smith Comments
The Bidder must have successfully completed a minimum of three (3) projects that have included procurement and installation of positive displacement blowers and 75-hp or larger horizontal end-suction and/or non-clog pumps in wastewater treatment plants with capacities of 10 mgd or larger, with this work being performed while maintaining operations of the wastewater treatment facility. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.	Bidder has wastewater facility experience; however, qualifications package does not explicitly indicate capacity of blowers and pumps installed as noted below. - SDWWTP Filter System Upgrade, S-805, Plant Capacity 285 MGD; Meets Criteria - ECRWRF Biosolids Improvements, Plant Capacity: 70 MGD; Meets Criteria. - SW WRF Expansion & Upgrades, Plant Capacity: 15 MGD; Confirm if 450 HP Centrifugal blowers are positive displacement and confirm if Non-Clog pumps are 75 HP or larger. - Other projects listed are less than 10 mgd capacity.	The clarifications provided by Poole & Kent identify 5 projects within the last 10 years where positive displacement blowers have been installed and two projects where centrifugal/turbo blowers have been installed. The clarifications also identify 7 projects within the last 10 years where horizontal end-suction or non-clog pumps have been installed.	The qualifications requirements are met.
The Bidder or the Bidder's Electrical Subcontractor shall have successfully completed a minimum of three (3) projects demonstrating experience procuring and installing main electrical equipment; medium	Bidder provided qualifications for multiple Electrical Subcontractors. It is not explicitly stated that all the listed Electrical Subcontractors will participate in the project. At least contractor or anyone (1) subcontractor should	The clarifications provided identify by Contractor and Subcontractor the required experience. Each has a minimum of 3 projects demonstrating experience with medium and low voltage systems	The qualifications requirements are met.

Table 1 Clarifications for Qualifications

Bid Advertisement Qualifications and Experience Requirements	CDM Smith Comments	Poole & Kent Response 4/22/2022	CDM Smith Comments
voltage electrical power systems, including medium voltage motors and starters; and low voltage power systems, including low voltage motors and variable frequency drives (VFD) with this work being performed while maintaining operations of a wastewater treatment facility. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.	meet criteria. Qualifications should be confirmed as noted below. ▪ List by Contractor and Subcontractor the projects proposed to meet the qualification requirement. The list should describe what <u>specific</u> qualification requirements each project meets (<u>procuring and installing main electrical equipment, medium voltage motors and starters, electrical systems, low voltage motors and variable frequency drives (VFDs)</u>).	and components in the last 10 years.	
The Bidder or Bidder's Electrical Subcontractor Lead Electrician shall have successfully completed a minimum of one (1) project demonstrating experience with medium voltage electrical power systems, including medium voltage motors and starters and low voltage power systems, including low voltage motors and variable frequency drives (VFD), with this work being performed while	Multiple Contractors/subcontractors are listed for this experience; however, a person is not identified for this role. Identify Lead Electrician and provide resume for confirmation of required project experience.	The clarifications provided identify lead electrician(s) for each firm and each resume includes the minimum of one (1) qualifying project.	The qualifications requirements are met.

Table 1 Clarifications for Qualifications

Bid Advertisement Qualifications and Experience Requirements	CDM Smith Comments	Poole & Kent Response 4/22/2022	CDM Smith Comments
maintaining operations of a wastewater treatment facility. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.			

In consideration of the above, CDM Smith recommends WASD accept Poole & Kent's bid for the above referenced project as a responsive, responsible Bidder whose evaluated bid totals the lowest number of dollars.

cc: Victor J Pujals, P.E.
Carl Frizzell, P.E.
Eduardo Arispe, E.I.

File: PW.EXT.6430-221058_Rev2.04.15.06

Vendor Profile: Contracts

General Public Profile Users Commodity Codes Contacts **Certifications** **Contracts** Workforce Comp/EEO EDP Registrations

Poole & Kent Company of Florida

System Vendor Number: 20349392

Listed below are the contracts to which this vendor is assigned.

Contracts as Prime Contractor

Actions	Contract Number & Title	Prime Contact	Status	Dates	Award Amount	Paid Amount
View	P0246: ALEXANDER ORR JR. WTP RADIATOR INSTALLATION	Wendy Campbell	1 incomplete audit	6/30/2021 to 6/3/2022	\$1,321,200	\$417,469
View	TW938: AOWTP Pump 6 Replacement	Wendy Campbell		4/19/2019 to 9/30/2019	\$7,841,070	\$5,480,555
View	TS922: CD 1.05.2 EFFLUENT PS ELECTRIA	Wendy Campbell	1 incomplete audit	11/6/2019 to 9/30/2021	\$25,576,690	\$20,705,311
View	S-880: CD 2.03 AND 2.04 PLANT 1 AND PLANT 2 HEADWORKS UPGRADES, 2.18(1) ODOR CONTROL SYSTEMS AND 2.25(2) VENTILATION IMPROVEMENTS	Wendy Campbell		8/24/2016 to 10/7/2019	\$15,895,297	\$14,598,175
View	S-889: CD 2.15(1) PLANT 2 CLUSTER 1 DIGESTER UPGRADES	Wendy Campbell		10/19/2016 to 6/18/2021	\$26,411,043	\$28,094,462
View	S-891: CD 2.19(2) CO-GEN FACILITY AND 2.01(6) ELECTRICAL IMPROVEMENTS	Wendy Campbell	1 incomplete audit	7/19/2017 to 6/30/2019	\$36,003,300	\$32,440,474
View	P0210: CD 2.21 PUMP STATION 1 AND CD 2.25_4_ VENTILATION IMPROVEMENTS	Wendy Campbell		4/6/2018 to 10/8/2019	\$4,155,850	\$3,340,495
View	T908R: CD 5.03 UPGRADE OF PS 0692	Wendy Campbell		1/23/2019 to 9/30/2019	\$10,118,300	\$7,730,587
View	S-903: CD 5.12 UPGRADE OF SEWAGE PUMP STATION NO. 0187	Wendy Campbell		2/7/2017 to 1/23/2019	\$5,798,030	\$5,449,675
View	S-905R: CD 5.5 UPGRADE OF PUMP STATION 0415	Wendy Campbell		9/19/2017 to 7/15/2020	\$6,988,345	\$6,862,375
View	T882R: CD1.02 OXYGEN PRODUCT SDWWTP	Wendy Campbell		2/6/2019 to 9/30/2019	\$9,084,330	\$6,446,088
View	S-890: CDWWTP CHLORINATION FACILITIES CONSENT DECREE PROJECT 2.17	Wendy Campbell		4/18/2016 to 12/21/2017	\$13,413,000	\$13,427,122
View	S-870: CDWWTP INDUSTRIAL INJECTION WELL SURFACE FACILITIES	Wendy Campbell		3/16/2017 to 11/10/2019	\$26,067,922	\$25,591,909
View	TS909: CDWWTP PLANT2 CLUSTER2 DIGETER	Wendy Campbell		5/18/2018 to 7/23/2022	\$29,227,440	\$20,631,958
View	DB09-WASD-05 (BUILD): DESIGN-BUILD OF COGENERATION FACILITY IMPROVEMENTS AT	Wendy Campbell	Closed	4/2/2012 to 1/7/2016	\$18,039,955	\$0

SOUTH DISTRICT WASTEWATER TREATMENT PLANT

View	TDB18WASD2: Designbuild Thickening Sludge	Wendy Campbell	5 incomplete audits	8/6/2020 to 6/27/2023	\$195,555,440	\$83,553,748
View	S-852: MASTER PUMP STATION NO. 3	Wendy Campbell		2/19/2014 to 6/18/2015	\$21,976,500	\$18,766,180
View	S-877: NORTH DISTRICT WASTEWATER TREATMENT PLANT NEW PUMPS FOR EXISTING DEEP INJECTION WELL PUMPING STATION	Wendy Campbell	Closed	9/1/2016 to 12/31/2019	\$6,300,550	\$5,515,032
View	S-871: NORTH DISTRICT WASTEWATER TREATMENT PLANT PRETREATMENT/SLUDGE TRANSFER REHABILITATION	Wendy Campbell	Closed	10/22/2015 to 1/31/2018	\$17,895,350	\$15,901,032
View	TS935: OOL CONSTRUCTION PACKAGE ST-1B	Wendy Campbell	1 incomplete audit	1/21/2022 to 9/30/2022	\$80,560,000	\$1,205,804
View	RTQ-00103_0003: PROTECTIVE COATING SERVICES - PREQUALIFICATION	Wendy Campbell		5/14/2015 to 5/31/2023	\$0	\$0
View	TS897: SDWWTP DIGESTER & CONTROL BLD	Wendy Campbell		10/3/2018 to 6/18/2021	\$93,361,000	\$53,115,155
View	TS931: SDWWTP HEADWORKS & OXYGENATION	Wendy Campbell		10/14/2021 to 3/3/2024	\$107,605,400	\$26,964,973
View	S-863 (P0082): SOUTH DISTRICT WASTEWATER TREATMENT PLANT SCREENING SYSTEMS IMPROVEMENTS FOR PLANTS 1 & 2 (S-863)	Wendy Campbell	Closed	4/2/2013 to 12/31/2019	\$5,720,050	\$0
				Number of contracts as prime: 24	\$764,916,062	\$396,238,578

Contracts as Subcontractor

No contracts assigned as a subcontractor.



MEMORANDUM

(Revised)

TO: Honorable Chairman Jose "Pepe" Diaz
and Members, Board of County Commissioners

DATE: July 7, 2022

FROM: 
Gen Bonzon-Keenan
County Attorney

SUBJECT: Agenda Item No. 8(O)(1)

Please note any items checked.

- ☐ "3-Day Rule" for committees applicable if raised
- ☐ 6 weeks required between first reading and public hearing
- ☐ 4 weeks notification to municipal officials required prior to public hearing
- ☐ Decreases revenues or increases expenditures without balancing budget
- ☐ Budget required
- ☐ Statement of fiscal impact required
- ☐ Statement of social equity required
- ☐ Ordinance creating a new board requires detailed County Mayor's report for public hearing
- ☐ No committee review
- ☐ Applicable legislation requires more than a majority vote (i.e., 2/3's present ____, 2/3 membership ____, 3/5's ____, unanimous ____, CDMP 7 vote requirement per 2-116.1(3)(h) or (4)(c) ____, CDMP 2/3 vote requirement per 2-116.1(3)(h) or (4)(c) ____, or CDMP 9 vote requirement per 2-116.1(4)(c)(2) ____ to approve
- ☐ Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(O)(1)
7-7-22

RESOLUTION NO. _____

RESOLUTION AWARDING A CONTRACT (CONTRACT S-932) TO POOLE AND KENT COMPANY OF FLORIDA WITH A TOTAL CONTRACT AMOUNT NOT TO EXCEED \$84,376,200.00 AND A TOTAL CONTRACT TERM OF 786 CALENDAR DAYS PLUS A 79-CALENDAR DAY CONTINGENCY PERIOD FOR THE OCEAN OUTFALL LEGISLATION (OOL) PROGRAM CONSTRUCTION PACKAGE, CLARIFIERS AND HIGH-LEVEL DISINFECTANT (ST-2B) PROJECT; AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO UTILIZE MIAMI-DADE WATER AND SEWER DEPARTMENT'S CONSENT DECREE AND CAPITAL IMPROVEMENT PROGRAMS ACCELERATION ORDINANCE, SECTION 2-8.2.12 OF THE CODE OF MIAMI-DADE COUNTY, TO MANAGE CONTRACT S-932; AND AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXECUTE THE SAME AND TO EXERCISE THE TERMINATION AND OTHER PROVISIONS CONTAINED THEREIN

WHEREAS, this Board desires to accomplish the purpose outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board hereby awards a Contract (Contract S-932) to Poole and Kent Company of Florida ("P&K") with a total contract amount not to exceed \$84,376,200.00 and a total contract term of 786 calendar days plus a 79-calendar day contingency period for the Ocean Outfall Legislation (OOL) Program Construction Package, Clarifiers and High-Level Disinfectant (HLD) (ST-2B) Project in substantially the form attached to the accompanying Mayor's Memorandum as Exhibit G and made a part hereof. The Board also authorizes the County Mayor or County Mayor's designee to use the Miami-Dade Water and Sewer Department's Consent Decree and Capital Improvement

Programs Acceleration Ordinance, section 2-8.2.12 of the Code of Miami-Dade County, to manage the Contract; and to execute the same and to exercise the termination and other provisions contained therein.

The foregoing resolution was offered by Commissioner _____, who moved its adoption. The motion was seconded by Commissioner _____ and upon being put to a vote, the vote was as follows:

Jose "Pepe" Diaz, Chairman	
Oliver G. Gilbert, III, Vice-Chairman	
Sen. René García	Keon Hardemon
Sally A. Heyman	Danielle Cohen Higgins
Eileen Higgins	Joe A. Martinez
Kionne L. McGhee	Jean Monestime
Raquel A. Regalado	Rebeca Sosa
Sen. Javier D. Souto	

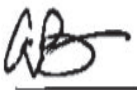
The Chairperson thereupon declared this resolution duly passed and adopted this 7th day of July, 2022. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this resolution and the filing of this approval with the Clerk of the Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.



Angela F. Benjamin