PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date:	December 20, 2022
mooring Dato.	

Consent [X] F Public Hearing []

Regular []

Department: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Amendment No. 2 to the Contract for Consulting/Professional Services Secondary Clarifier and Effluent Filtration Improvements Engineering Services (Contract) with Hazen and Sawyer, P.C., (Consultant) to increase the lump sum and the not to exceed amounts by \$12,864.00 and \$664,524.00 respectively for a total increase of \$677,388.00.

Summary: On December 19, 2017, the Board of County Commissioners (BCC) approved the Palm Beach County Water Utilities Department (PBCWUD) Contract (R2017-1912) with Consultant to provide engineering services during the design, permitting, bidding, and construction phases for the Secondary Clarifier and Effluent Filtration Improvements (Project) at Southern Region Water Reclamation Facility (SRWRF). Amendment No. 2 will add full-time inspection services for the remainder of the construction and allow the Consultant to provide additional coordination and engineering services during construction. This Contract was procured under the requirements of the 2002 Small Business Enterprise (SBE) Ordinance (R2002-0064) prior to the adoption of the new Equal Business Ordinance on October 16, 2018. The SBE participation goal established under the 2002 SBE Ordinance was 15% overall participation. The Contract provides for 21% SBE participation. Amendment No. 2 includes 0.00% SBE participation. The cumulative SBE participation including Amendment No.2 is 21.83% SBE. The Consultant is headquartered in New York, New York, but maintains an office in Palm Beach County from which the majority of the work will be performed. The Project is included in the PBCWUD FY23 budget. (PBCWUD Project No. 17-022) District 5 (MWJ)

Background and Justification: On December 19, 2017, the BCC approved a contract with Consultant for professional engineering services including the design, permitting, bidding, and construction phase services for the Contract (R2017-1912). Subsequently, on November 19, 2019, the BCC approved a Contract with R.J. Sullivan Corp., (R2019-1776) for the construction of the Project with a construction duration of forty-five (45) months. On October 19, 2021, the BCC approved Amendment No. 1 to extend the term of the Contract an additional 730 calendar days to match the final construction schedule and increase the Contract by \$758,942.00 to \$2,758,432.00. Amendment No. 2 provides for full-time construction inspection services and allows the Consultant to provide an increased level of support to PBCWUD for coordination and engineering services for the remainder of the construction of the Project. Amendment No. 2 increases the lump sum and not to exceed amounts by \$12,864.00 and \$664,524.00 respectively (\$677,388.00 total) enabling the Consultant to continue supporting PBCWUD through the construction completion and close out of the Project.

Attachments:

- 1. Two (2) Originals of Amendment No. 2
- 2. Location Map
- 3. Ebix Compliance Summary Report

Recommended By:	Knystin Bas or	11-21-2022
	Department Director	Date
Approved By:	261 J glins	12/2/22
	Assistant County Administrator	Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2023	2024	2025	2026	2027
Capital Expenditures Operating Costs External Revenues Program Income (County) In-Kind Match County	<u>\$677,388</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u>	0 0 0 0 0			
NET FISCAL IMPACT	<u>\$677,388</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
# ADDITIONAL FTE POSITIONS (Cumulative)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Budget Account No.: F	und <u>4011</u>	Dept <u>721</u>	Unit <u>W010</u>	Object	<u>6545</u>
Is Item Included in Current I	Budget?		Yes X No)	
Does this item include the u	se of federal	funds?	Yes No	_X	

Reporting Category N/A

B. Recommended Sources of Funds/Summary of Fiscal Impact:

One (1) time expenditure from user fees, connection fees and balance brought forward.

Control

ànd

Department Fiscal Review: C. ج) III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development and Control Comments:

ntract Develøpment OFMB в.

Legal Sufficiency: Assistant County Attorney

C. Other Department Review:

Department Director

This summary is not to be used as a basis for payment.

AMENDMENT NO. 2 TO CONTRACT FOR CONSULTING/PROFESSIONAL SERVICES SECONDARY CLARIFIER AND EFFLUENT FILTRATION IMPROVEMENTS ENGINEERING SERVICES PBCWUD PROJECT NO. 17-022

This Amendment No. 2 is made as of the _____ day of _____ 20____, by and between Palm Beach County, a Political Subdivision of the State of Florida, by and through its Board of County Commissioners, hereinafter referred to as the COUNTY, and Hazen and Sawyer, P.C. [] an individual, [] a partnership, [X] a corporation authorized to do business in the State of Florida, hereinafter referred to as the CONSULTANT, whose Federal I.D. is 13-2904652.

In consideration of the mutual promises contained herein, the COUNTY and the CONSULTANT agree that the Contract for Consulting/Professional Services entered into by the parties on December 19, 2017, and referenced by County Resolution Number R2017-1912 (hereinafter "the CONTRACT"), is amended as follows:

- 1. The modified Scope of Work is contained in Exhibit A2 attached hereto and made a part hereof for the additional services contained in this Amendment No. 2.
- 2. CONSULTANT hourly rates will be revised to the new categorical rates as presented in Exhibit B2 attached hereto and made part hereof.
- 3. The compensation as provided in the CONTRACT and Amendment No. 1 was for a lump sum fee of \$1,213,684.00 plus a not to exceed amount of \$1,544,748.00 for a total of \$2,758,432.00. Amendment No. 2 will increase the lump sum amount by \$12,864.00 from \$1,213,684.00 to \$1,226,548.00. Amendment No. 2 will also increase the not to exceed amount by \$664,524.00 from \$1,544,748.00 to \$2,209,272.00. The revised total compensation as provided in the CONTRACT including Amendment No. 1 and Amendment No. 2 is \$3,435,820.00. The modified Schedule of Payments is contained in Exhibit B2 attached hereto and made a part hereof for the additional services contained in this Amendment No. 2.
- 4. The modified OEBO Schedule 1 is contained in Exhibit D2 attached hereto and made a part hereof for the additional services contained in this Amendment No. 2.

All other provisions of the CONTRACT shall remain unchanged by this Amendment No. 2 and shall remain in full force and effect.

1

AMENDMENT NO. 2 то CONTRACT FOR CONSULTING/PROFESSIONAL SERVICES SECONDARY CLARIFIER AND EFFLUENT FILTRATION IMPROVEMENTS **ENGINEERING SERVICES** PBCWUD PROJECT NO. 17-022

IN WITNESS WHEREOF, this Amendment No. 2 is accepted, subject to the terms, conditions and obligations of the aforementioned CONTRACT.

PALM BEACH COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA

Joseph Abruzzo, Clerk of the Circuit Court & Comptroller Palm Beach County	Palm Beach County Board of County Commissioners
ATTEST:	Commissioners
Signed:	KB Signed:, Mayor
Typed Name: Deputy Clerk	Date
Approved as to Form and Legal Sufficiency	CONSULTANT: HAZEN AND SAWYER, P.C.
Signed:	Aller Muniz / Vice President
County Attorney	(Name and Title)
	<u>11/16/22</u> Date
STATE OF FLORIDA COUNTY OF <u>Palm Beach</u>	
	e me by means of $\sqrt{2}$ physical presence or \Box online notarization,
this 16 day of November, 2022, by_	Albert Muniz who is D personally
known to me or \Box has produced	as identification.
(Signature of Notary Public - State of Florida)	
(Print, TERESA MCNALLY MY COMMISSION # HH 026367 EXPIRES: August 6, 2024 Bonded Thru Notary Public Underwritera	Type, or Stamp Commissioned Name of Notary Public

EXHIBIT – A2 SCOPE OF WORK Secondary Clarifier and Effluent Filtration Improvements Engineering Services (PBCWUD Project No. 17-022)

INTRODUCTION

On December 19, 2017, Palm Beach County Board of County Commissioners (COUNTY) entered into an agreement entitled Contract for Consulting/Professional Services Secondary Clarifier and Effluent Filtration Improvements Engineering Services – Palm Beach County Water Utilities Department Project No. 17-022 (CONTRACT) with Hazen and Sawyer, P.C. (CONSULTANT) to provide engineering services for design, permitting assistance, bidding support and construction services.

BACKGROUND

The above referenced professional services are related to Palm Beach County Water Utilities Department's (PBCWUD) Southern Region Water Reclamation Facility (SRWRF). The project aims to enhance operational efficiency by replacing aging infrastructure. The scope for this project includes but is not limited to upgrades and improvements to the reclaimed water production facilities, upgrades and improvements to the secondary clarifiers and sludge pump stations, additional secondary clarifier scum manholes, modifications/expansion to bulk hypochlorite storage, and other miscellaneous aspects as presented herein that are associated with the anaerobic digesters and biogas system.

The design, permitting and bidding phases of the project are completed, and the construction phase of the project commenced on January 6, 2020. The current term of the CONTRACT and as modified in Amendment No. 1 includes a construction schedule of 1,290 successive calendar days to Substantial Completion plus 60 calendar days to Final Completion. PBCWUD has requested the CONSULTANT provide additional construction phase engineering services to assist in the timely and successful execution of the project. The additional construction services that are being incorporated into the CONTRACT through Amendment No. 2 include Owner's representative services, additional construction phase inspection services, and incorporation of additional details into the updated SRWRF process flow diagram. A more detailed summary of all services included in Amendment No. 2 is presented below.

ADDITIONAL CONSTRUCTION PHASE SCOPE OF SERVICES

Task 5.5 – Owner's Representative Services

CONSULTANT provide additional construction phase engineering services as identified below to serve as the COUNTY's representative in the day to day activities associated with the construction phase of this Project.

A2- 1

5.5.1 – Documentation and Processing of Change Orders through COUNTY

CONSULTANT will provide additional services associated with processing of change orders to the contract between the Contractor and COUNTY. It is anticipated processing of change orders will consists of documentation similar to those generated for previously approved Change Orders No. 1 and No. 2. CONSULTANT will provide follow-up information and/or revisions to documents as necessary to satisfy COUNTY department requirements. It is estimated services associated with the documentation and processing of change orders will be required to process eight (8) additional change orders through the current Final Completion date of the Project (November 23, 2023). CONSULTANT has assumed each change order will require six (6) hours of time for a total of 48 hours for the eight (8) additional change orders.

5.5.2 – Shutdown Coordination

Subsequent to the CONTRACT, the COUNTY has initiated a Go or No-Go procedural review of Contractor initiated facility shutdowns necessary throughout the course of the construction project to minimize impacts and risk to the operating facility. The Go or No-Go process involves the preparation of supporting documents (photos, drawings or other appropriate method) to illustrate the areas included in the work effort and the temporary impacts to the wastewater treatment plant operations. COUNTY, CONSULTANT and Contractor staff will also participate in coordination meetings to review the requested shutdown and address concerns associated with areas affected and work to be performed. CONSULTANT will facilitate the coordination of the Go or No-Go procedure with each Contractor requested shut-down to ensure risk and impacts to the operating treatment facility are either eliminated or minimized. CONSULTANT will also assist in the development of supporting documents and facilitate the coordination of the Project's current Substantial Completion date (September 24, 2023). CONSULTANT has assumed each Go or No-Go events will require seven (7) hours of time for a total of 140 hours for the 20 Go or No-Go events.

5.5.3 – Processing of Asset Data Sheets for COUNTY

CONSULTANT will review Asset Data Sheets submitted by the Contractor and forward approved submittals to COUNTY. CONSULTANT will coordinate with the appropriate COUNTY staff through review meetings or coordination calls between the CONSULTANT, COUNTY and Contractor to ensure Asset Data Sheets are complete and acceptable to the COUNTY for the purpose of COUNTY staff to input the Asset Data Sheets into the COUNTY's asset management database. It is anticipated that 35 (including 12 resubmittals) Asset Data Sheets will require review and processing by the CONSULTANT. CONSULTANT has assumed each Asset Data Sheet submittal will require four (4) hours of time for a total of 140 hours for the 35 Asset Data Sheet submittals.

Task 11 – Construction Phase Inspection Services

CONSULTANT shall provide inspection services during the construction of the work to observe the quality of the work being performed and to assist in determining if the work is proceeding in

A2-2

accordance with the Contract Documents. The inspector will assist the Contractor in understanding the intent of the Contract Documents, and to ensure the completed work substantially conforms to the Contract Documents.

The inspector will attend construction progress meetings, review Contractor As-Built information monthly to confirm proper updates are being made, observe materials and equipment testing in accordance with the Contract Documents, and review applications for payment submitted by the Contractor and material vendors to confirm completion level for each pay item.

The inspector will report, in writing, whenever CONSULTANT believes that work is unsatisfactory, faulty or defective, does not conform to the Contract Documents, does not meet the requirements of inspections, tests or approval required to be made, or has been damaged prior to final payment.

The inspector will prepare daily reports and submit the daily reports in electronic portable document format (PDF) to the COUNTY on a weekly basis.

Amendment No. 1 to the original CONTRACT provided full-time inspection services for eight (8) hours per day over a six (6) (continuous) month duration. Amendment No. 2 will extend the full-time eight (8) hours per day inspection services being provided by CONSULTANT for an additional 24 (continuous) month (104 week) duration (which corresponds to the Project's current Substantial Completion date) for a total of 4160 hours. CONSULTANT will also provide four (4) hours per day over an additional two (2) month (eight (8) week) duration (for the period between the construction project's current Substantial Completion and Final Completion date) for a total of 180 additional hours.

Task 12 – Update of Existing SRWRF Process Flow Diagram

CONSULTANT will provide additional engineering services associated with updating the existing SRWRF process flow diagram with particular emphasis on incorporation of additional elements of wastewater treatment facility process equipment into the existing process flow diagram. The existing SRWRF process flow diagram had not been updated since 2012 and did not include upgraded or additional facilities incorporated into the SRWRF since then. CONSULTANT has generated an updated process flow diagram incorporating the new or upgraded facilities and submitted to the COUNTY a draft of the updated process flow diagram in electronic PDF format for review and comments. Initial development of the updated process flow diagram was intended as a single drawing with graphics similar to the existing process flow diagram configuration. Upon review of the draft updated process flow diagram, the COUNTY has requested additional detail be incorporated into the drawing with information such as colorized process flow lines, chemical injection locations, regulatory and process monitoring locations, pump rated capacities, process blower rated capacities, and storage tank capacities included in the drawing. The COUNTY also requested the process flow diagram be reconfigured and expanded from the single drawing to four (4) drawings to allow adequate space for incorporation of the additional information. CONSULTANT will submit a final version of the updated process flow diagrams to the COUNTY in both PDF and AutoCad electronic format.

A2-3

ASSUMPTIONS

1. The duration for CONSULTANT additional services as presented in Tasks 5.5 and Task 11 of Amendment 2 are based upon a Substantial Completion date for construction of September 24, 2023, and a Final Completion date for construction of November 24, 2023. Services beyond the Substantial and Final Completion dates identified may be extended through an additional amendment to the CONTRACT.

EXHIBIT B2 BUDGET SUMMARY Engineering Services for Secondary Clarifier and Effluent Filtration Improvements (PBCWUD Project No. 17-022)

The Scope of Work to be completed by CONSULTANT as defined in Exhibit A1 consists of specific completion phases which shall be clearly identified on a phase-by-phase basis upon submission to the COUNTY of certain "deliverables"* as expressly indicated below. COUNTY is responsible for payment in each phase. COUNTY reserves the sole option to require a continuation to each phase, as needed. There is no obligation by the COUNTY to pay for a phase, unless COUNTY opts to require said work. Compensation for the work tasks stated herein shall be in accordance with the following Schedule of Payments:

PHASE 1 – Design through Bidding

Task(s) to be completed:

- Task 1 Preliminary Design
- Task 2 Final Design
- Task 3 Permitting
- Task 4 Construction Bid Services
- Task 8 Project Management
- Task 12 SRWRF Process Flow Diagram Update

Completion Time: 16 months from receipt of Notice-to-Proceed for Task 1 through 4

Task 8 under the CONTRACT had an initial completion time of 48 months from receipt of Notice-to-Proceed. Completion time was extended for an additional 24 months under Amendment No. 1 to the CONTRACT for Task 8 and Task 12 for a total CONTRACT completion time of 72 months from receipt of Notice-to-Proceed.

Compensation for Phase 1: The CONTRACT had an initial compensation of \$1,148,157.00 based on lump sum method of payment. Amendment No. 1 added Task 12 to the CONTRACT and increased the compensation an additional \$65,527.00 for Task 8 and Task 12 resulting in a CONTRACT total compensation amount of \$1,213,684.00. Amendment No. 2 will increase the compensation an additional \$12,864.00 for Task 12 resulting in a CONTRACT total compensation amount of \$1,226,548.00.

Deliverable(s) Required: Listed in Exhibit A1

PHASE 2 – Construction

Task(s) to be completed:

B2-1

Task 5 – Construction Contract Administration

Task 6 – Resident Project Representative

Task 7 – Operations and Maintenance Manual Update

Task 9 – PLC Programming

Task 10 – Environmental Health and Safety Inspection Services

Task 11 - Construction Phase Inspection Services

- Completion Time: The CONTRACT had an initial completion time of 48 months from receipt of Notice-to-Proceed. Completion time was extended an additional 24 months under Amendment No. 1 to the CONTRACT for a total CONTRACT completion time of 72 months from receipt of Notice-to-Proceed.
- Compensation for Phase 2: The CONTRACT had an initial compensation of \$851,333.00 based on a time and materials method of payment for Task 5 through 7. Amendment No. 1 added Tasks 9 through 11 to the CONTRACT and increased the compensation an additional \$693,415.00 for Tasks 5 through 11 resulting in a CONTRACT total compensation amount of \$1,544,748.00. Amendment No. 2 will add SubTask 5.5 to the CONTRACT and extend the duration for construction phase inspection services provided under Task 11 with an increase in the compensation totaling \$664,524.00 for SubTasks 5.5 and Task 11, resulting in a CONTRACT total compensation amount of \$3,435,820.00.

Deliverable(s) Required: Listed in Exhibit A1

*"Deliverables" shall be defined as progress reports, prepared maps, bid documents, completed drawings, specific reports, work plans, documentation of meetings attended, assessment study reports, analysis reports, summary reports, recommendation reports and related draft reports and <u>verifiable</u> deliverables

B2-2

EXHIBIT B2

HOURLY RATES

Southern Region Water Reclamation Facility

Engineering Services for Secondary Clarifier and Effluent Filtration Improvements (PBCWUD Project No. 17-022)

Proposed Revised Rates													
EMPLOYEE TITLE	Maximum Raw Hourly	Multiplier	Maximum Hourly Rate										
	(\$/hr)		(\$/hr)										
Vice President	\$91.00	3.00	\$273.00										
Senior Associate	\$79.00	3.00	\$237.00										
Associate	\$63.00	3.00	\$189.00										
Senior Principal	\$55.00	3.00	\$165.00										
Principal Engineer	\$45.00	3.00	\$135.00										
Engineer	\$37.00	3.00	\$111.00										
Principal Designer	\$40.00	3.00	\$120.00										
Designer	\$33.00	3.00	\$99.00										
Office Support	\$28.00	3.00	\$84.00										

Original (Previous) Rates													
EMPLOYEE TITLE	Maximum Raw Hourly (\$/hr)	Multiplier	Maximum Hourly Rate (\$/hr)										
Vice President	\$77.00	3.00	\$231.00										
Senior Associate	\$69.00	3.00	\$207.00										
Associate	\$59.00	3.00	\$177.00										
Senior Principal	\$53.00	3.00	\$159.00										
Principal Engineer	\$44.00	3.00	\$132.00										
Engineer	\$37.00	3.00	\$111.00										
Principal Designer	\$40.00	3.00	\$120.00										
Designer	\$29.67	3.00	\$89.01										
Office Support	\$24.00	3.00	\$72.00										

Secondary Clarifier and Effluent Filtration Improvements Project No.: WUD 17-022

EXHIBIT B2 - Fee Summary - Amendment 2

						н	ours				r			SUB-CON	SULTANTS		
Task	Description	Vice President	Senior Associate	Associate	Senior Principal	Principal Engineer	Engineer	Principal Designer	Designer	Office Support	Total Hours	Hazen Fee	HEE Fee	CSPI Fee		Total Sub- consultants	PROJECT TOTALS
1.0	Preliminary Design	0	0	0	0	0	0	0	0	0	0	\$0				\$0	\$0
2.0	Final Design																
	2.1 - Prepare 60% Submittal	0	0	0	0	0	0	0	0	0	0	\$0				\$0	\$0
	2.2 - Prepare 90% Submittal	0	0	0	0	0	0	0	0	0	0	\$0				\$0	\$0
	2.3 - Prepare 100% Submittal	0	0	0	0	0	0	0	0	0	0	\$0				\$0	\$0
3.0	Permitting	0	0	0	0	0	0	0	0	0	0	\$0				\$0	\$0
4.0	Construction Bid Services	0	0	0	0	0	0	0	0	0	0	\$0				\$0	\$0
5.0	Construction Contract Administration																
	5.1 - Preconstruction Meeting & Progress Meetings	0	0	0	0	0	0	0	0	0	0	\$0					
	5.2 - Submittals	0	0	0	0	· 0	0	0	0	0	0	\$0				\$0	\$0
	5.3 - Interpretation, Clarifications and Change Order	0	0	0	0	0	0	0	0	0	0	\$0				\$0	\$0
	5.4 - Pay Requests	0	0	0	0	0	0	0	0	0	0	\$0				\$0	\$0
	5.5 - Owner Represetative Services	0	0	416	0	0	0	0	0	0	416	\$78,624				\$0	\$78,624
6.0	Resident Project Representative																1
	6.1 - Resident Project Representative	0	0	0	0	0	0	0	0	0	0	\$0				\$0	\$0
	6.2 - Discipline Specific Inspections	0	0	0	0	0	0	0	0	0	0	\$0				\$0	\$0
	6.3 - Startup Services and Operator Training	0	0	0	0	0	0	0	0	0	0	\$0				\$0	\$0
	6.4 - Substantial / Final Completion	0	0	0	0	. 0	0	0	0	0	0	\$0				\$0	\$0
	6.5 - Preparation of Record Drawings	0	0	0	0	0	0	0	0	0	0	\$0				\$0	\$0
7.0	Operation and Maintenance Manual Update	0	0	0	0	0	0	0	0	0	0	\$0				\$0	\$0
8.0	Project Manager	0	0	0	0	0	0	0	0	0	0	\$0				\$0	\$0
9.0	PLC Programming	0	0	0	0	0	0	0	0	0	0	\$0				\$0	\$0
10.0	EHS Inspection Services	0	0	0	0	0	0	0	0	0	0	\$0				\$0	\$0
11.0	Construction Phase Inspection Services	0	0	0	0	4,340	0	0	0	0	4,340	\$585,900				\$0	\$585,900
12.0	SRWRF Process Flow Diagram Update	24	0	8	0	0	0	40	0	0	72	\$12,864				\$0	\$12,864
	SUB-TOTAL Hours	24	0	424	0	4,340	0	40	0	0	4,828	\$677,388	\$0	\$0	\$0	\$0	\$677,388
	Labor rate	\$273	\$237	\$189	\$165	\$135	\$111	\$120	\$99	\$84							
	Labor Raw Costs	\$91.00	\$79,00	\$63.00	\$55.00	\$45.00	\$37.00	\$40.00	\$33.00	\$28.00							
	Labor Multiplier	3,0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0				1.1.1			
	Labor Sub-Total	\$6,552	\$0	\$80,136	\$0	\$585,900	\$0	\$4,800	\$0	\$0		\$677,388					
	Sub-consultant Total					Sector Sector										\$0	
	Project Total																\$677,388

EXHIBIT C2 CONTRACT SCHEDULE Engineering Services for Secondary Clarifier and Effluent Filtration Improvements (PBCWUD Project No. 17-022)

.

EXHIBIT C2

CONTRACT SCHEDULE Southern Region Water Reclamation Facility Engineering Services for Secondary Clarifier and Effluent Filtration Improvements (Project No. WUD 17-022)

The durations of the major tasks are summarized below:

Description	Estimated Task Duration ⁽¹⁾	Completion from Notice-to-Proceed ⁽²⁾
Task 1 – Preliminary Design	4 months	4 months
Task 2 – Final Design	12 months	16 months
Task 3 – Permitting	6 months	16 months
Task 4 – Construction Bid Services	6 months	22 months
Task 5 – Construction Contract Administration	45 months	69 months
Task 6 – Resident Project Representative	42 months	69 months
Task 7 – O&M Manual Update	4 months	72 months
Task 8 – Project Management	69 months	72 months
Task 9 – PLC Programming	28 months	69 months
Task 10 – EHS Inspection Services	32 months	69 months
Task 11 – Full-time Inspection Services	6 months	44 months
Task 12 – SRWRF Process Flow Diagram Update	3 months	45 months
Project Completion	N / A	72 months

(1) Tasks may overlap

⁽²⁾ Estimated

Exhibit C2

C2-1

Palm Beach County Water Utilities Department

Secondary Clarifier and Effluent Filtration Improvements (PBCWUD Project No. WUD 17-022)

Activity	Project Duration (Months)											-																																						
Addivity	1 2	3 4	4 5	6	7 8	9	10 11	12 1	3 14	15	16 17	18 1	9 20	21	22 23	3 24	25 2	26 27	28	29 30	31	32 33	3 34	35	36 3	7 38	39	40 41	42	43 4	4 45	46	47 48	49	50 51	52	53 5	4 55	56	57 58	59	60 6	1 62	63	64 6	5 66	67 E	58 69	70	71 72
Project Notice-to-Proceed				Π					Т	Π				Π				Τ	П		Π		Τ											П				Τ			Π	Τ	Τ	Π					Π	T
Task 1 - Preliminary Design				\square					Τ	\square				\square					\square													П																		
Task 2 - Final Design														П							\square													\square					П		П									_
60% contract documents						Π			Т	Π				Π																		\square		\square															П	T
90% contract documents				Π					Τ					\square						1	\square															\square													\square	+
100% contract documents									No Stats					\square																											П								П	\top
Task 3 - Permitting																																\square																		+
FDEP construction			Τ																				T						\square										\square											\top
FDEP ERP				\square		Π																										П																		+
PBC Building Dept.						\square								П							\square				T				\square												П									1
Task 4 - Construction Bid/Award Services																			П												Τ	\square		Π																
Bidding			1			\square							Τ	Π					\square										\square										\square		TT									\top
Bid evaluation and award									1							\square																Π														$\uparrow \uparrow$				
Task 5 - Construction Contract Admin									Τ																																									
Task 6 - Resident Project Representative				\square					1							Π															an a															e e consector				-
Task 7 - O&M Manual Update																	000	Τ	Π		Π		Τ		Γ	Τ		Т	Π		Τ	Π		Π		Π	Τ	T	Π	Τ	Π									
Task 8 - Project Manager																																						11510												
Task 9 - PCL Programming			Τ	Π	Τ	Π			Τ		T					Π		Τ	Π	Т	Π	Т	Π		Т	Π	Τ																						Π	Τ
Task 10 - EHS Inspection Services				\square		\square			T							\top										-																								
Task 11 - Full-time Inspection Services				\square		\square			1																	1000	apetitist	la siales	111111					Π		П		Π	Π	Τ			Τ	Π	Τ		T	Γ	$\uparrow \uparrow$	1
Task 12 - SRWRF Process Flow Diagram Update						\square													\square							Π		Τ								\square		T											\square	1
									T																					Τ						\square		T					1					1	\square	+
Project Closeout				$ \uparrow $	1				1										\square	_						$\uparrow \uparrow$			$\uparrow \uparrow$	+	1			$\uparrow \uparrow$		$\uparrow\uparrow$					$ \uparrow$		1					1	\square	

EXHIBIT D2 OFFICE OF SMALL BUSINESS OPPORTUNITY (OEBO) SCHEDULE NO. 1 AND SCHEDULE NO. 2 Engineering Services for Secondary Clarifier and Effluent Filtration Improvements

OEBO SCHEDULE 1

Contract for Consulting/Professional Services Secondary Clarifier and Effluent Filtration Improvements Engineering Services	SOLICITATION/PROJECT/BID NO.: PBCWUD Project No. 17-022
December 19, 2017 SOLICITATION OPENING/SUBMITTAL DATE:	Water Utilities
	D BE COMPLETED BY THE <u>PRIME CONTRACTOR/CONSULTANT*</u> ON THE PROJECT: 2101 NW Corporate Blvd., Suite 301, Boca Raton, FL 33431
NAME OF PRIME RESPONDENT/BIDDER: Hazen and Sawyer, P.C.	ADDRESS:
CONTACT PERSON:Albert Muniz, P.E. / Vice President	PHONE NO.:
\$677,388.00 PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: *SMWBE Prime's must include their percentage or dollar amount in the Total Participation line und	

Section B PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY <u>ALL SUBCONTRACTORS/SUBCONSULTANTS</u> ON THE PROJECT BELOW:

	(Check a	all Applicab	le Categori	es)		DOLLAR AN	10UNT OR I	PERCENTA	<u>GE OF WORK</u>	
Subcontractor/Sub consultant Name	<u>Non-SBE</u>	<u>MBE</u> Minority Business	<u>WBE</u> Women Business	<u>SBE</u> Small Business	Black	Hispanic	Women	Caucasian	Asian	Other
1.	and the second s		Contraction of the second	- Priddamersay						
2.	4 T									
3.				1. Second Second					-	
4.		* Hypertracking	- Constanting	with an The Control of						
5.		. central optimized								
(Please use additional sheets if necessary)				Total		-	- d aga ang ang ang ang ang ang ang ang ang	- 4		
Total Bid/Offer Price \$ <u>677,388.00</u>	_				Tot	al Certified S/M/	WBE Participation	\$ 0.00		
I hereby certify that the above information is accurate to the be	st of my knowle	edge:	Alla	t n	orized Stature		Albert Mu	niz, P.E.	Vice President	
				Name & Auth	orized Scature				T	ïtle
Note: 1. The amount listed on this form for a Subo	ontractor/sub						operly executed	Schedule 2 or	attached signed pr	oposal.

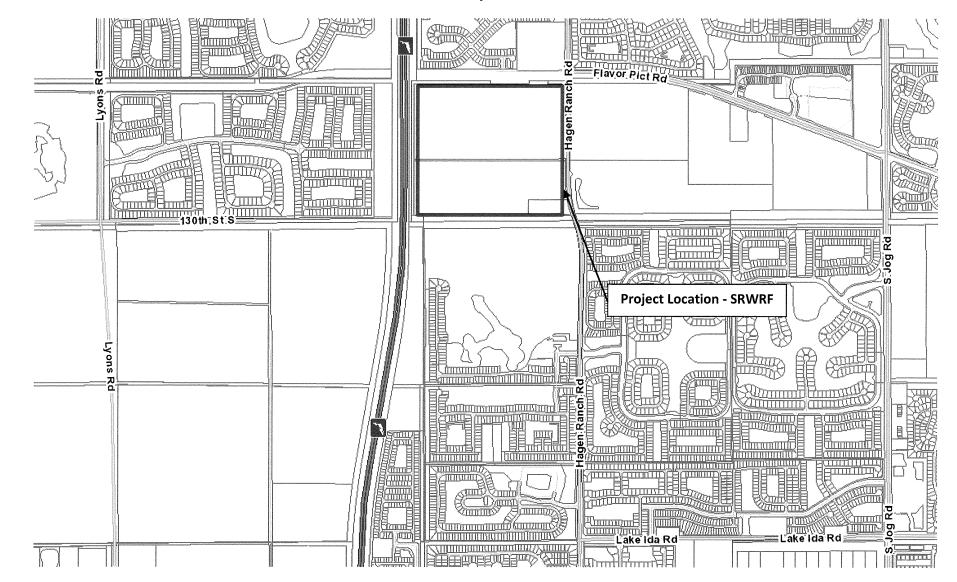
2. Only those firms certified by Palm Beach County at the time of solicitation due date are eligible to meet the established OEBO Affirmative Procurement Initiative (API). Please check the applicable box and list the dollar amount or percentage under the appropriate demographic category.

3. Modification of this form is not permitted and will be rejected upon submittal.

Location Map ATTACHMENT - 2

 \sim

PBCWUD Project No. 17-022



ATTACHMNT 3

Print Date 11/18/2022 12:39:29 PM

Евух

Palm Beach County Compliance Summary Report

Vendor Number	Vendor Name	AM Best Rating	Insurance Carrier	Policy #	Eff. Date	Exp. Date	Coverage	Contract Number	Contract Name
DX00001889	Hazen and Sawyer, P.C.	Modified	Compliant with Minor/Expiring Deficiencies					17-022	Hazen and Sawyer, P.C
		A+p , XV	Hartford Fire Insurance Company	/ 42uenol5501	3/29/2022	3/29/2023	Auto Liability		
		A+p , XV	Twin City Fire Insurance Company	42uunol5499	3/29/2022	3/29/2023	General Liability		
		A , XV	Continental Casualty Company	aeh008231489	3/29/2022	3/29/2023	Professional Liability		
		A+p , XV	Twin City Fire Insurance Company	42wbol6h6e	3/29/2022	3/29/2023	Workers Comp		
Risk Profile :	Standard - General Services								
Required Additional Insure	ed: Palm Beach County Board of	County Commission	ners						
Ownership Entity :									

Page 1 of 1