

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: August 19, 2025 Consent [X] Regular []
Public Hearing []

Department: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to: A) approve Amendment No. 1 to the Western Region Wastewater Treatment Facility (WRWWTF) Progressive Design-Build (Contract) with Wharton-Smith, Inc. (Design-Build Entity) in the amount of \$11,493,293 for a Guaranteed Maximum Price (GMP) of \$13,418,588.

Summary: On August 22, 2023, the Board of County Commissioners (BCC) approved the Palm Beach Water Utilities Department (PBCWUD) Contract (R2023-1115) with the Design-Build Entity. The project consists of the design and construction of a new two-story operations building and miscellaneous site and process improvements to the WRWWTF. Phase 1 of the project included pre-construction services, consulting/professional engineering, surveying, permitting, design, stakeholder outreach, grant compliance, scheduling, cost estimating and preparation of the GMP to construct the Project. Amendment No. 1 establishes a GMP for Phase 2 for construction services necessary to construct the project and engineering services during construction.

On February 7, 2023, the BCC approved the Standard Grant Agreement 22FRP71 (R2023-0169) for \$7,707,222.30 in grant funding with a local match from the Florida Department of Environmental Protection Resilient Florida Grant Program (Resilient Grant). Pursuant to Section 2-80.22 of the Equal Business Opportunity (EBO) Ordinance and the County PPM CW-O-043, this project is exempt from the EBO requirements. **The \$7,707,222.30 grant requires a \$238,367.70 local match which will be funded from a one-time expenditure from Water Utilities user fees, connection fees and balance brought forward.** The remaining project cost is included in the PBCWUD FY25 budget. Design-Build Entity is a Palm Beach County based company. (PBCWUD Project No. 22-012R) District 6 (MWJ)

Background and Justification: The WRWWTF is located in the City of Belle Glade, Florida. PBCWUD took ownership of the WRWWTF in 2013. Operations and Maintenance staff reported elevated moisture levels within the existing Operations Building and potential flooding risk. To ensure health and safety of the staff and reliable plant operation during heavy storms, PBCWUD elected to construct a new Operations Building at WRWWTF. The Resilient Grant allows existing projects to apply for additional funding; a request will be made to the Resilient Grant to fully fund the project. The WRWWTF is a critical infrastructure facility that serves the communities of Belle Glade and South Bay.

Attachments:

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

Recommended By: Ali Boyat 7/18/25
Department Director Date

Approved By: [Signature] 8/2/25
Assistant County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2025	2026	2027	2028	2029			
Capital Expenditures	\$11,493,293	0	0	0	0			
Operating Costs	0	0	0	0	0			
External Revenues	(\$5,781,927)	0	0	0	0			
Program Income (County)	0	0	0	0	0			
In-Kind Match County	0	0	0	0	0			
NET FISCAL IMPACT	\$5,711,366	0	0	0	0			
# ADDITIONAL FTE POSITIONS (Cumulative)	0	0	0	0	0			
Budget Account No.:	Fund	4011	Dept	721	Unit	W048	Object	6545
		4011		721		W026		6545

Is Item Included in Current Budget? Yes X No

Does this item include the use of Federal Funds? Yes _____ No X

Does this item include the use of State Funds? Yes ☒ No ☐

Reporting Category **N/A**

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

\$7,707,222 of the project is funded by a grant with Florida Department of Environmental Protection with the balance from Water Utility Department User Fees.

C. Department Fiscal Review: Joony Faremar

III. REVIEW COMMENTS

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

[Signature] 7/22/2025
 OFMB [Signature] 7/24
 [Signature] 7/22

and Control Comments: of 7/23/25
Brenda Zmache
 Contract Development and Control
MG 7.23.25

B. Legal Sufficiency:

Assistant County Attorney

C. Other Department Review:

Department Director

**AMENDMENT NO. 1
TO WESTERN REGION WASTEWATER TREATMENT FACILITY PROGRESSIVE
DESIGN-BUILD AGREEMENT
PBCWUD PROJECT NO. 22-012R**

This Amendment No. 1 is made as of the 19th day of August, 2025, 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" or "Owner", and Wharton-Smith, Inc., a Florida corporation authorized to do business in the State of Florida, hereinafter referred to as "Design-Builder", whose Federal Tax ID# is 59-2392802.

WHEREAS, the County and Design-Builder acknowledge and agree that the Contract between County and Design-Builder dated August 22, 2023 (Resolution No. R2023-1115) (hereinafter "the Contract") is in full force and effect and that this Amendment incorporates all the terms and conditions of the Contract as may be expressly supplemented and amended by this Amendment.

WHEREAS, the parties have negotiated Phase 2 Construction Services, including a Guaranteed Maximum Price, for the completion of design, construction and engineering services during Construction in accordance with the terms of the Contract, whereby the Design-Builder will render construction and warranty services and other services as set forth in the Contract and as amended herein.

NOW THEREFORE, in exchange for the mutual covenants and promises set forth herein and the sums of money agreed to be paid by the County to the Design-Builder, the adequacy of such consideration is acknowledged by each of the parties, the parties further agree as follows:

1. Recitals. The foregoing recitals are true, material and correct and incorporated herein by reference.

2. Defined Terms. Capitalized terms herein shall have the same meaning ascribed to them in the Contract.

3. Article 5.0, Contract Time is amended as follows:

5.2.1 Substantial Completion of the Work shall be achieved in accordance with Attachment C, Schedule, 518 calendar days after Notice to Proceed ("Date of Commencement").

5.2.3 Final Completion of the Work shall be achieved in accordance with Attachment C, Schedule, 568 calendar days after Notice to Proceed ("Date of Commencement").

4. Article 7.0, Guaranteed Maximum Price (GMP), is amended as follows:

7.1 Design-Builder guarantees that it shall not exceed the GMP amount of Thirteen Million, Four Hundred Eighteen Thousand, Five Hundred Eighty-Eight Dollars (\$13,418,588.00). Phase I services totaled \$1,925,295.00 and contingency per Article 7.2 are included in the GMP Amendment value set forth above. Documents used as a basis for the GMP is included as Attachment M in this Amendment. Design-Builder does not guarantee any

specific line item provided as part of the GMP and has the sole discretion to apply payment due to overruns in one line item to savings due to underruns in any other line item, except for line items of "Permits Allowance", "Owner Contingency", "Reroute Overhead Power-Allowance", "Brown and Caldwell (Corporation)-Engineering During Construction" and "Phase 1 Services". Design-Builder agrees, however, that it will be responsible for paying all costs of completing the Work which exceed the GMP, as adjusted in accordance with the Contract Documents.

7.2 Contingency.

7.2.1 Design-Builder Contingency is amended to include a Design-Builder Contingency in the amount of Two Hundred Eighty-Eight Thousand, Four Hundred Forty-Six Dollars (\$288,446.00). The balance of Article 7.2.1 in the Contract remains unchanged.

7.2.2 Owner Contingency is amended to include an Owner Contingency in the amount of Two Hundred Eighty-Eight Thousand, Four Hundred Forty-Six Dollars (\$288,446.00). The balance of Article 7.2.2 in the Contract remains unchanged.

5. General Condition 18. Design-Builder's Insurance is amended as follows:

Insurance Coverage & Table remains unchanged except the following amendment:

BUILDERS RISK coverage is required and included in Attachment L.

6. General Condition 44. Change of Contract Price is amended as follows:

C.1.a. Design-Builder's Fee. is amended to state that the Designer-Builder's fee allowed for overhead and profit is mutually accepted to be set at 7% over direct cost only.

7. Attachments. The following attachments are attached hereto and incorporated herein by reference, are being modified as summarized below. All other provisions of the attachments set forth in the original contract remain unchanged:

Attachment A Scope of Designer-Builder's Services

Attachment B Compensation-GMP

Attachment C Schedule

Attachment E Public Construction Bond

Attachment F Form of Guarantee

Attachment G OEBO Schedule 1

Attachment L Builders Risk

Attachment M Design-Builder's Bidding Certification

8. Except as specifically modified above, the terms and conditions of the Contract, as amended by this Amendment No. 1, are hereby confirmed and remain in full force and effect.

THE REMAINDER OF THIS PAGE LEFT BLANK INTENTIONALLY

**AMENDMENT NO. 1
TO WESTERN REGION WASTEWATER TREATMENT FACILITY PROGRESSIVE
DESIGN-BUILD AGREEMENT
PBCWUD PROJECT NO. 22-012R**

IN WITNESS WHEREOF, the Board of County Commissioners of Palm Beach County, Florida has made and executed this Amendment No. 1 on behalf of the County and Design-BUILDER has hereunto set its hand the day and year above written.

ATTEST:
Joseph Abruzzo, Clerk of the Circuit Court & Comptroller, Palm Beach County **PALM BEACH COUNTY, FLORIDA
BOARD OF COUNTY COMMISSIONERS**

By: _____ By: _____ *DZ*
Deputy Clerk Maria G. Marino, Mayor

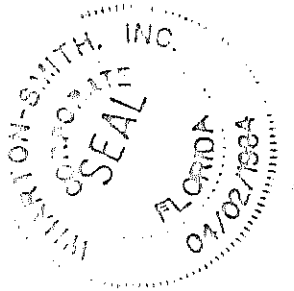
WITNESS: **DESIGN-BUILDER:**
Tom Jakubisin Wharton-Smith Inc.
Signature Company Name
Tom Jakubisin *[Signature]*
Name (type or print) Signature
Justin Brower Gregory L. Williams
Signature Typed Name

Justin Brower Director
Name (type or print) Title
7/15/2025

**APPROVED AS TO FORM
AND LEGAL SUFFICIENCY**
By: *[Signature]*
County Attorney

**APPROVED AS TO TERMS
AND CONDITIONS**
By: *AL 1367ak*
Department Director
DZ

(corp. seal)



ATTACHMENT A SCOPE OF DESIGN-BUILDER’S SERVICES



Scope of Service

Wharton-Smith, Inc. is proudly the Construction Manager serving Palm Beach County. The project consists of a new 10,500 Square Foot administration building on an existing wastewater treatment facility. The work includes: earthwork and de-mucking, underground utilities, paving, irrigation, landscaping, fencing, concrete, masonry, light gauge metal trusses, roofing, sealants, fireproofing, doors, frames & hardware, overhead doors, windows, storefront, gypsum wallboard assemblies, acoustical ceilings, resilient and tile flooring, hard tile, carpeting, acoustic panels, painting, signage, operable partitions, toilet compartments & accessories, lockers, canopies, flagpoles, modular & laboratory casework, elevator, fire sprinklers, plumbing, HVAC and electrical.

This project will construct a new two-story total 10,500 square-foot administration building with the upper level complete with control room, offices, laboratory, rest/locker rooms and the first floor (ground level) being used for unconditioned storage. A new secure entryway and parking lot, new stormwater treatment ponds and miscellaneous process improvements are also included to make this wastewater treatment plan more resilient in future extreme storm events.



ATTACHMENT B COMPENSATION-GMP



WESTERN REGION WWTF OPERATIONS BUILDING

WUD NO. 22-012R

90% Guaranteed Maximum Price
(GMP)



Wharton-Smith, Inc.
CONSTRUCTION GROUP





Palm Beach County Water Utilities Department
Western Region Wastewater Treatment Facility Operations Building
WUD No. 22-012R

90% GMP Estimate

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Section 3 – General Conditions

Section 4 – General Requirements

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Section 6 – Document List

Section 7 – Brown and Caldwell (Corporation) Engineering During Construction





Palm Beach County Water Utilities Department
Western Region Wastewater Treatment Facility Operations Building
WUD No. 22-012R

90% GMP Estimate

Section 1

Estimate Summary



Wharton-Smith, Inc.
CONSTRUCTION GROUP



			10,593
			SF
LINE	Spec	DESCRIPTION	GMP
			5/28/2025
1		Direct Costs	
2	010000	Final Clean	4,350
3	010000	Material Testing	34,730
5	030000	Cast-in-Place Concrete	1,154,140
7	050000	Structural Steel	159,096
8	054000	Light Gauge Metal Trusses	128,999
9	064000	Architectural Casework	64,994
10	071000	Damproofing and Waterproofing	52,530
11	075000	Roofing	209,439
13	081000	Doors, Frames and Hardware	124,534
14	083000	Specialty Doors	50,419
15	085000	Windows	127,739
16	092000	Drywall	192,597
17	092100	Stucco	356,880
18	095000	Acoustical Ceilings	30,998
19	096000	Flooring	116,288
20	099000	Painting	55,291
21	102000	Specialties	59,082
22	103500	Operable Partition	13,380
23	105000	Signage	56,746
25	108000	Protective Covers	90,489
26	113000	Residential Appliances - Allowance	12,000
27	115000	Laboratory Equipment	103,933
28	123000	Manufactured Casework	125,108
29	123000	Control Room Casework	81,166
30	122000	Window Treatments	5,673
31	125000	Furniture	48,134
32	140000	Elevator	147,813
33	210000	Fire Sprinklers	100,591
35	220000	Plumbing	301,570
36	230000	HVAC	863,034
39	260000	Electrical	1,823,005
40	310000	Site Earthwork, Utilities and Paving	976,715
43	323113	Fencing	54,517
44	329300	Landscaping and Irrigation	97,725
45		TOTAL DIRECT COSTS	7,823,707
46		Indirect Costs	
48		General Conditions	1,051,558
49		General Requirements	4.57% 357,445
55		General Liability Insurance	1.05% 112,764
56		Builder's Risk Insurance - Proximity to Water Rate	0.60% 68,960
57		Permits Allowance	1.12% 120,597
58		Performance and Payment Bond	0.74% 79,837
59		SUBTOTAL	9,614,868
60		Design-Builder Contingency	3.00% 288,446
61		Owner Contingency	3.00% 288,446
62		Subtotal	10,191,760
63		Overhead and Profit	7.00% 547,659
64		Phase 2 GMP Total without Additions	10,739,420
65		Brown and Caldwell (Corporation) Engineering during Construction	603,873
66		Reroute Overhead Power - Allowance	150,000
68		Phase 2 GMP Total	11,493,293
69		Phase 1 Services	1,925,295
70		Project Total	13,418,588



Palm Beach County Water Utilities Department
Western Region Wastewater Treatment Facility Operations Building
WUD No. 22-012R

90% GMP Estimate

Section 2

Estimate Details



Wharton-Smith, Inc.
CONSTRUCTION GROUP



12-23-2022											
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[illegible]



92-23-502.2											
PAC Utility Admin Building - CMP											
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DIRECT COST WORKSHEET											
CONSTRUCTION SUMMARY											
244,235											
LINE	DESCRIPTION	QTY	UNIT	Unit Price	TOTALS	COMMENTS	Subcontractor 1	Subcontractor 2	Subcontractor 3	Subcontractor 4	Subcontractor 5
694	Furniture										
695	1st Floor Lobby										
696	Chair	4 ea		\$88.14	353						
697	2nd Floor Lobby - Room 201	4 ea		\$88.14	353						
698	Conference Table - Room 204	6 ea		1,506.02	9,036						
699	Table	8 ea		\$76.14	609						
700	1st Floor - Room 207	1 ea		\$571.05	571						
701	Desk	1 ea		\$571.05	571						
702	Supervisor - Room 208	1 ea		4,653.74	4,654						
703	Desk Chair	1 ea		368.39	368						
704	Desk Chair	6 ea		3,622.71	2,173						
705	Table	1 ea		5,022.71	5,023						
706	Control Room - Room 209	1 ea		\$88.14	88						
707	Chair	1 ea		\$88.14	88						
708	U-Desk	1 ea		4,653.74	4,654						
709	Desk Chair	1 ea		464.39	464						
710	Desk Chair	2 ea		\$47.47	95						
711	1st Floor - Room 211	4 ea		\$571.05	2,284						
712	Desk Chair	4 ea		\$571.05	2,284						
713	Office 1 - Room 217	1 ea		4,653.74	4,654						
714	Desk Chair	1 ea		464.39	464						
715	Chair	2 ea		\$47.47	95						
716	Office 2 - Room 220	1 ea		4,653.74	4,654						
717	U-Desk	1 ea		464.39	464						
718	Desk Chair	2 ea		\$47.47	95						
719	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
720	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
721	Adjustment from WS estimate to subcontractor	1 ea		\$17,144.44	17,144						
722	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
723	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
724	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
725	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
726	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
727	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
728	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
729	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
730	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
731	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
732	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
733	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
734	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
735	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
736	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
737	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
738	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
739	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
740	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
741	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
742	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
743	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
744	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
745	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
746	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
747	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
748	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
749	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
750	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
751	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
752	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
753	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
754	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
755	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
756	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
757	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
758	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
759	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
760	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
761	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
762	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
763	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
764	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
765	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
766	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
767	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
768	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
769	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
770	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
771	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
772	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
773	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
774	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
775	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
776	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
777	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
778	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
779	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
780	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
781	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
782	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
783	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
784	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
785	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
786	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
787	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0
788	Subtotal	65,875	\$	0.02	1,318	WS Estimate	48,134	0	0	0	0

3/23/2022		PAC Utility Admin Building - CUP		Vibration-Smith, Inc		14.0025					
Palo Verde County		DIRECT COST WORKSHEET		C:\Users\j\Documents\14.0025							
LINE	DESCRIPTION	QTY	UNIT	Unit Price	TOTALS	COMMENTS	Subcontractor 1	Subcontractor 2	Subcontractor 3	Subcontractor 4	Subcontractor 5
914	Electrical						Byco	Kramer	Brown		Subtotal
915							1,397,500	1,775,545	1,995,000		
916	Electrical										
917	Electrical	2.95	lf	65.00	194,075						
918	Electrical	3.35	lf	55.00	184,250						
919	Electrical	10.583	lf	18.00	190,494						
920	Lighting and Lighting Controls										
921	Type 1 - Vibration LED - 4' Linear	29.74									
922	Type 2 - Vibration LED - 4' Linear	56.49									
923	Type 3 - Vibration LED - 4' Linear	54.48									
924	Type 4 - 2'x2' LED Troffer	10.49									
925	Type 5 - 2'x4' LED Troffer	10.49									
926	Type 6 - Vibration LED - 4' Linear	6.49									
927	Type 7 - Vibration LED - 4' Linear	2.49									
928	Type 8 - Vibration LED - 4' Linear	2.49									
929	Type 9 - Vibration LED - 4' Linear	2.49									
930	Type 10 - Ultra-Low Profile Surface Luminaires	2.49									
931	Type 11 - Vibration LED - 4' Linear	2.49									
932	Type 12 - Vibration LED - 4' Linear	2.49									
933	Type 13 - Vibration LED - 4' Linear	2.49									
934	Type 14 - Vibration LED - 4' Linear	2.49									
935	Type 15 - Vibration LED - 4' Linear	2.49									
936	Type 16 - Vibration LED - 4' Linear	2.49									
937	Type 17 - Vibration LED - 4' Linear	2.49									
938	Type 18 - Vibration LED - 4' Linear	2.49									
939	Type 19 - Vibration LED - 4' Linear	2.49									
940	Type 20 - Vibration LED - 4' Linear	2.49									
941	Type 21 - Vibration LED - 4' Linear	2.49									
942	Type 22 - Vibration LED - 4' Linear	2.49									
943	Type 23 - Vibration LED - 4' Linear	2.49									
944	Type 24 - Vibration LED - 4' Linear	2.49									
945	Type 25 - Vibration LED - 4' Linear	2.49									
946	Type 26 - Vibration LED - 4' Linear	2.49									
947	Type 27 - Vibration LED - 4' Linear	2.49									
948	Type 28 - Vibration LED - 4' Linear	2.49									
949	Type 29 - Vibration LED - 4' Linear	2.49									
950	Type 30 - Vibration LED - 4' Linear	2.49									
951	Type 31 - Vibration LED - 4' Linear	2.49									
952	Type 32 - Vibration LED - 4' Linear	2.49									
953	Type 33 - Vibration LED - 4' Linear	2.49									
954	Type 34 - Vibration LED - 4' Linear	2.49									
955	Type 35 - Vibration LED - 4' Linear	2.49									
956	Type 36 - Vibration LED - 4' Linear	2.49									
957	Type 37 - Vibration LED - 4' Linear	2.49									
958	Type 38 - Vibration LED - 4' Linear	2.49									
959	Type 39 - Vibration LED - 4' Linear	2.49									
960	Type 40 - Vibration LED - 4' Linear	2.49									
961	Type 41 - Vibration LED - 4' Linear	2.49									
962	Type 42 - Vibration LED - 4' Linear	2.49									
963	Type 43 - Vibration LED - 4' Linear	2.49									
964	Type 44 - Vibration LED - 4' Linear	2.49									
965	Type 45 - Vibration LED - 4' Linear	2.49									
966	Type 46 - Vibration LED - 4' Linear	2.49									
967	Type 47 - Vibration LED - 4' Linear	2.49									
968	Type 48 - Vibration LED - 4' Linear	2.49									
969	Type 49 - Vibration LED - 4' Linear	2.49									
970	Type 50 - Vibration LED - 4' Linear	2.49									
971	Type 51 - Vibration LED - 4' Linear	2.49									
972	Type 52 - Vibration LED - 4' Linear	2.49									
973	Type 53 - Vibration LED - 4' Linear	2.49									
974	Type 54 - Vibration LED - 4' Linear	2.49									
975	Type 55 - Vibration LED - 4' Linear	2.49									
976	Type 56 - Vibration LED - 4' Linear	2.49									
977	Type 57 - Vibration LED - 4' Linear	2.49									
978	Type 58 - Vibration LED - 4' Linear	2.49									
979	Type 59 - Vibration LED - 4' Linear	2.49									
980	Type 60 - Vibration LED - 4' Linear	2.49									
981	Type 61 - Vibration LED - 4' Linear	2.49									
982	Type 62 - Vibration LED - 4' Linear	2.49									
983	Type 63 - Vibration LED - 4' Linear	2.49									
984	Type 64 - Vibration LED - 4' Linear	2.49									
985	Type 65 - Vibration LED - 4' Linear	2.49									
986	Type 66 - Vibration LED - 4' Linear	2.49									
987	Type 67 - Vibration LED - 4' Linear	2.49									
988	Type 68 - Vibration LED - 4' Linear	2.49									
989	Type 69 - Vibration LED - 4' Linear	2.49									
990	Type 70 - Vibration LED - 4' Linear	2.49									
991	Type 71 - Vibration LED - 4' Linear	2.49									
992	Type 72 - Vibration LED - 4' Linear	2.49									
993	Type 73 - Vibration LED - 4' Linear	2.49									
994	Type 74 - Vibration LED - 4' Linear	2.49									
995	Type 75 - Vibration LED - 4' Linear	2.49									
996	Type 76 - Vibration LED - 4' Linear	2.49									
997	Type 77 - Vibration LED - 4' Linear	2.49									
998	Type 78 - Vibration LED - 4' Linear	2.49									
999	Type 79 - Vibration LED - 4' Linear	2.49									
1000	Type 80 - Vibration LED - 4' Linear	2.49									
1001	Type 81 - Vibration LED - 4' Linear	2.49									
1002	Type 82 - Vibration LED - 4' Linear	2.49									
1003	Type 83 - Vibration LED - 4' Linear	2.49									
1004	Type 84 - Vibration LED - 4' Linear	2.49									
1005	Type 85 - Vibration LED - 4' Linear	2.49									
1006	Type 86 - Vibration LED - 4' Linear	2.49									
1007	Type 87 - Vibration LED - 4' Linear	2.49									
1008	Type 88 - Vibration LED - 4' Linear	2.49									
1009	Type 89 - Vibration LED - 4' Linear	2.49									
1010	Type 90 - Vibration LED - 4' Linear	2.49									
1011	Type 91 - Vibration LED - 4' Linear	2.49									
1012	Type 92 - Vibration LED - 4' Linear	2.49									
1013	Type 93 - Vibration LED - 4' Linear	2.49									
1014	Type 94 - Vibration LED - 4' Linear	2.49									
1015	Type 95 - Vibration LED - 4' Linear	2.49									
1016	Type 96 - Vibration LED - 4' Linear	2.49									
1017	Type 97 - Vibration LED - 4' Linear	2.49									
1018	Type 98 - Vibration LED - 4' Linear	2.49									
1019	Type 99 - Vibration LED - 4' Linear	2.49									
1020	Type 100 - Vibration LED - 4' Linear	2.49									
1021	Type 101 - Vibration LED - 4' Linear	2.49									
1022	Type 102 - Vibration LED - 4' Linear	2.49									
1023	Type 103 - Vibration LED - 4' Linear	2.49									
1024	Type 104 - Vibration LED - 4' Linear	2.49									
1025	Type 105 - Vibration LED - 4' Linear	2.49									
1026	Type 106 - Vibration LED - 4' Linear	2.49									
1027	Type 107 - Vibration LED - 4' Linear	2.49									
1028	Type 108 - Vibration LED - 4' Linear	2.49									
1029	Type 109 - Vibration LED - 4' Linear	2.49									
1030	Type 110 - Vibration LED - 4' Linear	2.49									
1031	Type 111 - Vibration LED - 4' Linear	2.49									
1032	Type 112 - Vibration LED - 4' Linear	2.49									
1033	Type 113 - Vibration LED - 4' Linear	2.49									
1034	Type 114 - Vibration LED - 4' Linear	2.49									
1035	Type 115 - Vibration LED - 4' Linear	2.49									
1036	Type 116 - Vibration LED - 4' Linear	2.49									
1037	Type 117 - Vibration LED - 4' Linear	2.49									
1038	Type 118 - Vibration LED - 4' Linear	2.49									
1039	Type 119 - Vibration LED - 4' Linear	2.49									
1040	Type 120 - Vibration LED - 4' Linear	2.49									
1041	Type 121 - Vibration LED - 4' Linear	2.49									
1042	Type 122 - Vibration LED - 4' Linear	2.49									
1043	Type 123 - Vibration LED - 4' Linear	2.49									
1044	Type 124 - Vibration LED - 4' Linear	2.49									
1045	Type 125 - Vibration LED - 4' Linear	2.49									
1046	Type 126 - Vibration LED - 4' Linear	2.49									
1047	Type 127 - Vibration LED - 4' Linear	2.49									
1048	Type 128 - Vibration LED - 4' Linear	2.49									
1049	Type 129 - Vibration LED - 4' Linear	2.49									
1050	Type 130 - Vibration LED - 4' Linear	2.49									
1051	Type 131 - Vibration LED - 4' Linear	2.49									
1052	Type 132 - Vibration LED - 4' Linear	2.49									
1053	Type 133 - Vibration LED - 4' Linear	2.49									
1054	Type 134 - Vibration LED - 4' Linear	2.49									
1055	Type 135 - Vibration LED - 4' Linear	2.49									
1056	Type 136 - Vibration LED - 4' Linear	2.49									
1057	Type 137 - Vibration LED - 4' Linear	2.49									
1058	Type 138 - Vibration LED - 4' Linear	2.49									
1059	Type 139 - Vibration LED - 4' Linear	2.49									
1060	Type 140 - Vibration LED - 4' Linear	2.49									
1061	Type 141 - Vibration LED - 4' Linear	2.49									
1062	Type 142 - Vibration LED - 4' Linear	2.49									
1063	Type 143 - Vibration LED - 4' Linear	2.49									
1064	Type 144 - Vibration LED - 4' Linear	2.49									
1065	Type 145 - Vibration LED - 4' Linear	2.49									
1066	Type 146 - Vibration LED - 4' Linear	2.49									
1067	Type 147 - Vibration LED - 4' Linear	2.49									
1068	Type 148 - Vibration LED - 4' Linear	2.49									
1069	Type 149 - Vibration LED - 4' Linear	2.49									
1070	Type 150 - Vibration LED - 4' Linear	2.49									
1071	Type 151 - Vibration LED - 4' Linear	2.49									
1072	Type 152 - Vibration LED - 4' Linear	2.49									
1073	Type 153 - Vibration LED - 4' Linear	2.49									

32.33.002.2											
PRC Utility Admin Building - SUP											
Palm Beach County											
DIRECT COST WORKSHEET											
Wharton-Smith, Inc.											
CONSTRUCTION ADMIN											
34.64.35											
LINE	DESCRIPTION	QTY	UNIT	Unit Price	TOTALS	COMMENTS	Subcontractor 1	Subcontractor 2	Subcontractor 3	Subcontractor 4	Subcontractor 5
975	Site Earthwork, Utilities and Pavine										
976	0										
977											
978	General Conditions										
979	Modification	1	hr	15,000.00	15,000.00						
980	Labor	1	hr	5,000.00	5,000.00						
981	Layout	1	hr	5,000.00	5,000.00						
982	As-Builts										
983	Engineer Control										
984	SIT Plans	939	lf	3.30	3,098.70						
985	Construction	6	ea	215.00	1,290.00						
986	Maintain Through Duration of Project	1	hr	12,500.00	12,500.00						
987	Soil Test Preparation Drawing	1	ea	12,640.00	12,640.00						
988	Dust Control for 7/3 Time	0	mi	475.00	0.00						
989	Tree Protection										
990	Site Erosion Control										
991	Site Erosion Control										
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1125	Site Erosion Control										
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1127	Site Erosion Control										
1128	Site Erosion Control										
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1134	Site Erosion Control										
1135	Site Erosion Control										



Palm Beach County Water Utilities Department
Western Region Wastewater Treatment Facility Operations Building
WUD No. 22-012R

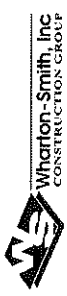
90% GMP Estimate

Section 3

General Conditions



03-23-002.2
PCC - Bldg Admin Building - GMP
Pawnee County
GENERAL CONDITIONS



7/14/2025

LINE ITEM	DESCRIPTION	QTY	UNIT	BASE RATE	O/H/P Multiplier	Loaded RATE	TOTAL MH	TOTALS	COMMENTS
2									
3									
4									
5	Project Management Team								
6	Project Executive	0.60	mo	163.75	1.15	188.95	104	19,740	
7	Project Manager - Commercial	12.00	mo	190.25	1.15	218.78	2,078	314,025	
8	Area Superintendent	0.60	mo	165.17	1.15	191.60	104	19,911	
9	Superintendent - Commercial	12.00	mo	131.04	1.15	152.01	2,078	315,930	
10	Project Engineer	12.00	mo	72.08	1.15	83.61	2,078	173,775	
11	Sr. Operations Coordinator	2.40	mo	67.87	1.15	78.73	416	32,726	
12	Project Accountant	2.40	mo	73.42	1.15	85.17	416	35,402	
13	Safety Engineer	2.40	mo	108.12	1.15	125.43	416	52,135	
14	Scheduler	1.20	mo	145.84	1.15	169.17	208	35,160	
15	BIM Department	0.00	mo	71.16	1.15	82.55	0	0	
16	Quality Control	3.00	mo	75.71	1.15	87.82	520	45,631	
17	Staffing Check	OK							
18	Total Months of Staff	48.60	mo					0	
19	Base Premium 2nd Year	-	sum					0	
20	Project Staffing Support Costs							0	
21	Vehicles - Included in Hourly Rate	0	mo			0.00	0	0	
22	Fuel - Included in Hourly Rate	0	mo			0.00	0	0	
23	Phones	37	mo			40.00	0	3,162	
24	Computers for Staff	40	mo			40.00	0	3,960	
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37	TOTAL GENERAL CONDITIONS						8,418	1,051,557.71	

\$1,044,456

\$7,122



Palm Beach County Water Utilities Department
Western Region Wastewater Treatment Facility Operations Building
WUD No. 22-012R

90% GMP Estimate

Section 4

General Requirements



92-23-002.2
PBC Utility Admin Building - GMP
Palm Beach County
GENERAL REQUIREMENTS



7/14/2025

LINE			UNIT	TOTALS	COMMENTS
ITEM	DESCRIPTION	QTY	UNIT PRICE		
3					
4					
5	Project Documentation				
6	Project Signs	1 ea	1,500.00	1,500	
7	Informational Signage	1 ls	750.00	750	
8	Preconstruction Audio-Visual Documentation	1 ls	1,500.00	1,500	
9	Photographs (Monthly - Progress)	14 mo	125.00	1,400	
10	Photographs (Final Project - Professional)	1 ls	2,000.00	2,000	
12	Independent Testing Services	10,874 sf	0.30	3,262	
13	Design Services (BIM Coordination)	1 ls	25,000.00	25,000	
14	Plan and Specification Reproduction Cost	1 ls	2,500.00	2,500	
15	Surveyor Services	10 days	1,500.00	15,000	
16	Ground Penetrating Radar	5 days	2,500.00	12,500	
17					
18	Trailer Facilities				\$107,668
19	Trailer rates vary by region - check for current rates in your area				
20	Field office - W/S - Rent	14 mo	3,000.00	42,000	
21	Field office - Set-up and Remove	1 ea	13,000.00	13,000	
22	Field Office Supplies	14 mo	250.00	3,500	
23	Production Planning Start-up Kits	2 ea	1,384.00	2,768	
24	Field Office Cleaning	14 mo	250.00	3,500	
25	Mail and Courier Costs	14 mo	250.00	3,500	
26	DATA/ISP - Install and Remove Temp System - W/S - Starlink	1 ls	3,000.00	3,000	
27	DATA/ISP - Monthly Charges - W/S - Starlink	14 mo	350.00	4,900	
29	Field Office Furnishings - Purchase	1 ls	7,500.00	7,500	
30	Copier/Printer/Scanner for Trailer - Includes Maintenance	14 mo	525.00	7,350	
31	Temporary Sewage Holding Tanks	14 mo	550.00	7,700	
33	Storage and Tool Trailers	14 mo	250.00	3,500	
34	Storage and Tool Trailers - Set up and Remove	1 ea	900.00	900	
35	Bottled Water for Management Personnel	14 mo	75.00	1,050	
36	Connect Trailer to Power	1 ls	3,500.00	3,500 Removed	
37	Generators - Fuel (216 hr/mo x 2gal/hr)	0 gal		0 Removed	
38					

GENERAL REQUIREMENTS



7/14/2025

LINE				UNIT	TOTALS	
ITEM	DESCRIPTION	QTY	UNIT	PRICE		COMMENTS
39	Plant Employee trailer					
40	Move Plant Admin Trailers	0	sum		0	
45						
46	Temporary Facilities for Construction					\$21,320
47	Water - Install and Remove Temporary System	1	ls	2,500.00	2,500	
48	Water - Temporary Meter Installation If Required	1	ls	500.00	500	
49	Water for Construction	14	mo	0.00	0	
50	Electric - Install and Remove Temp System	1	ls	3,500.00	3,500	
51	Electric - Temporary Meter Installation	1	ls	2,500.00	2,500	
52	Electric - Monthly Charges	14	mo	350.00	4,900	
54	Temporary Toilets (1 / 40 tradesmen) - Two Toilets	28	mo	140.00	3,920	
55	Temporary Parking for Tradesmen	0	sf		0	Included with Sitework Contractor
56	Temporary Roadway	1,000	sf	3.50	3,500	
57	Temporary Roadway - Maintain	0	mo		0	
58	Dust Control (Water Truck)	0	mo		0	
59	MOT	1	ls	4,000.00	4,000	
60						
61	Construction Equipment & Tools					\$5,950
62	Small Tools and Supplies	14	mo	250.00	3,500	
69	Trash Chute	5	mo	525.00	2,450	
70	Forklift	0	mo		0	
71	Forklift Fuel	0	mo		0	
72	Forklift Operator	0	mo		0	
77	Temporary Cooling Equipment	0	mo		0	
83						

GENERAL REQUIREMENTS



7/14/2025

LINE				UNIT	TOTALS	COMMENTS
ITEM	DESCRIPTION	QTY	UNIT	PRICE		
84	Safety & Security					\$121,316
85	Construction Fencing	1,500	ft	12.00	18,000	
86	Gates	2	ea	450.00	900	
87	Construction Fencing - Windscreen	1,500	ft	6.00	9,000	
90	Security Cameras	1	ls	10,000.00	10,000	
91	Security Guard - Tent	0	ls	5,000.00	0	
92	Sentinal Overhead Protection	1	ls	1,500.00	1,500	
93	Clean-up throughout Duration of Project	61	wk	384.00	23,424	
95	Dumpsters:					
96	Dumpsters during Sitework	3	pulls	550.00	1,650	
97	Dumpsters during Structure	8	pulls	550.00	4,400	
98	Dumpsters during Enclosure	12	pulls	550.00	6,600	
99	Dumpsters during Finishes	30	pulls	550.00	16,500	
100	Dumpsters during Punch out	0	pulls		0	
102	Temporary Handrail / Guardrail	500	ft	15.95	6,075	
103	Temporary Handrail / Guardrail - Maintenance	500	ft	5.00	2,500	
105	Temporary Ladders and Stairs	4	ea	400.00	1,600	
106	Stair Towers	5	mo	4,000.00	18,667	
107	Fire Extinguishers (1 / 3,000 sf)	4	ea	125.00	500	
109						
110	Project Start Up					\$31,780
111	Start up electric consumption charges	10,593	sf	0.64	6,780	
113	As-built Drawings	1	ls	5,000.00	5,000	
114	Operation and Maintenance Manuals	1	ls	5,000.00	5,000	
115	Final Site Survey	1	ea	15,000.00	15,000	
116						
117	TOTAL GENERAL REQUIREMENTS				\$357,445	



Palm Beach County Water Utilities Department
Western Region Wastewater Treatment Facility Operations Building
WUD No. 22-012R

90% GMP Estimate

Section 5

Assumptions and Clarifications



Wharton-Smith, Inc.
CONSTRUCTION GROUP



Clarifications and Assumptions

PBC Utility Admin Building

Wharton-Smith, Inc

07/14/25

01 – General

1. The estimate is based on the following documents:
 - a. 90% Submittal Drawings by Brown and Caldwell (Corporation) dated January 2024
 - b. Geotechnical Report from Brown and Caldwell dated March 8, 2024
 - c. Geotechnical Report from Brown and Caldwell dated December 13, 2024
2. The estimate does not include cost for offsite material storage.
3. The GMP allows for a quantified number of Designer reviews of RFI's, Submittals and Re-submittals. If reviews are required that exceed the Designer identified amount, then the additional cost shall be acquired through the Owner Contingency.
4. Wharton-Smith will provide an estimate for each punch list item at substantial completion.
5. Wharton-Smith will close all project-related permits.
6. Wharton-Smith will provide Operation and Maintenance Manual per specifications.

01 – Work Hours

7. The site will be made available for construction activities between 7am-5pm Monday through Saturday, with the exception of New Year's Day, Thanksgiving and Christmas. Wharton-Smith shall be notified of any Owner Holidays or days when work may be prohibited for appropriate planning.

03 – Cast-in-Place Concrete

8. The estimate includes the concrete ramp stem walls as concrete in lieu of CMU block.

05 – Steel

9. The estimate includes steel stair pans in lieu of grating treads.

09 – Painting

10. The estimate includes the first-floor concrete ceiling to be painted.

11 – Lab Equipment

11. The estimate includes Lab Equipment per equipment list provided by PBC WUD. The following equipment is included:
 - a. Reach in Refrigerator – 2 each
 - b. Gravity Convection Lab Oven – 1 each
 - c. Benchtop Muffle Furnace – 1 each
 - d. Moisture Analyzer – 1 each
 - e. Analytical Balance – 1 each
 - f. Stainless Steel Desiccator – 1 each
 - g. Digital Microscope – 1 each
 - h. pH Benchtop Meter – 1 each

- i. Vacuum Pumps – 1 each
- j. Eyewash Station – 1 each
- k. Balance Table – 1 each

12 – Casework

- 12. The estimate includes the lab case work as stainless-steel casework.

12 – Window Treatments

- 13. The estimate includes window treatments at all windows.

21 – Fire Sprinklers

- 14. The estimate does not include any Pre-Action systems.
- 15. Based on reports provided to Wharton-Smith, it is our understanding that current flow (Potable Water) is not sufficient to support a fire suppression system. The estimate includes a fire protection booster pump.

22 – Plumbing

- 16. Based on reports provided to Wharton-Smith, it is our understanding that current flow (Potable Water) may not provide adequate water pressure on the second floor. The estimate includes a plumbing booster pump.

26 – Electrical

- 17. The estimate includes admin building connection to existing generator building via duct bank.
- 18. The estimate assumes that the existing generator building has the capacity to support the new admin building.
- 19. The estimate does not include Supervisory Control and Data Acquisition (SCADA) relocation.

31 – Sitework

- 20. The estimate assumes over excavation for the parking lot will be required. The estimate includes over excavation with geo-grid.
- 21. The estimate assumes that over excavation for the building pad will be required. The estimate includes over excavation to a depth of 8 feet.
- 22. The estimate does not include modifications to water mains due to insufficient water pressure.

32 – Landscaping

- 23. The estimate includes sodding all disturbed areas around the new admin building.

46 – Wastewater Piping

- 24. The estimate does not include relocating any existing wastewater piping.



Palm Beach County Water Utilities Department
Western Region Wastewater Treatment Facility Operations Building
WUD No. 22-012R

90% GMP Estimate

Section 6

Document List



Deliverable: 90% GMP Estimate
Owner: Palm Beach County
Project: WRWWTF Operations Building

Doc Type: Drawings
Architect: Brown and Caldwell (Corporation)
Titled: Western Regional WWTF Operations Building PBCWUD Project No. 22-012R
Dated: 01/10/25
Phase: 90% Submittal

Sheet No.	Sheet Title	Issue Date
	COVER PAGE	01/10/25
G-00-002	DRAWING INDEX	01/10/25
C-00-001	CIVIL NOTES AND LEGENDS	01/10/25
C-00-002	GENERAL NOTES	01/10/25
C-00-003	STANDARD DETAILS 1	01/10/25
C-00-004	STANDARD DETAILS 2	01/10/25
C-00-005	STANDARD DETAILS 3	01/10/25
C-00-006	STANDARD DETAILS 4	01/10/25
C-00-007	STANDARD DETAILS 5	01/10/25
C-00-008	STANDARD DETAILS 6	01/10/25
C-00-009	STANDARD DETAILS 7	01/10/25
C-00-010	TYPICAL CROSS SECTIONS	01/10/25
CD-10-101	DEMOLITION PLAN	01/10/25
C-10-101	EXISTING CONDITIONS PLAN	01/10/25
C-10-201	CIVIL SITE PLAN	01/10/25
C-10-202	VEHICLE NAVIGATION CAR ENTERING	01/10/25
C-10-203	VEHICLE NAVIGATION CAR LEAVING	01/10/25
C-10-301	SITE GRADING PLAN	01/10/25
C-10-401	DRAINAGE PLAN	01/10/25
C-10-501	SITE UTILITIES PLAN 1	01/10/25
C-10-901	SITE EROSION CONTROL / SWPP PLANS	01/10/25
L-00-001	LANDSCAPE PLAN	01/10/25
L-10-101	LANDSCAPE PLANT LIST & DETAILS	01/10/25
L-10-102	LANDSCAPE SPECIFICATIONS	01/10/25
SP-00-001	SITE OVERALL PLAN	01/10/25
SP-00-002	SITE PLAN DETAIL	01/10/25
S-00-001	STRUCTURAL GENERAL NOTES 1	01/10/25
S-00-002	STRUCTURAL GENERAL NOTES 2	01/10/25
S-00-003	SYMBOLS, LEGENDS AND ABBREVIATIONS	01/10/25
S-00-004	STANDARD DETAILS 1	01/10/25
S-00-005	STANDARD DETAILS 2	01/10/25
S-00-006	STANDARD DETAILS 3	01/10/25
S-00-007	STANDARD DETAILS 4	01/10/25
S-00-008	STANDARD DETAILS 5	01/10/25
S-00-009	STANDARD DETAILS 6	01/10/25
S-20-101	OPERATIONS BUILDING -LOAD CRITERIA	01/10/25
S-20-102	OPERATIONS BUILDING -FOUNDATION PLAN	01/10/25
S-20-103	OPERATIONS BUILDING -FIRST FLOOR PLAN	01/10/25
S-20-104	OPERATIONS BUILDING -SECOND FLOOR PLAN	01/10/25
S-20-105	OPERATIONS BUILDING -ROOF FRAMING PLAN	01/10/25
S-20-201	OPERATIONS BUILDING -ENLARGED PLANS	01/10/25
S-20-202	OPERATIONS BUILDING -RETAINING WALL AND DETAILS	01/10/25
S-20-301	OPERATIONS BUILDING -SECTIONS 1	01/10/25
S-20-302	OPERATIONS BUILDING -SECTIONS 2	01/10/25
S-20-303	OPERATIONS BUILDING -SECTIONS 3	01/10/25
S-20-304	OPERATIONS BUILDING -SECTIONS 4	01/10/25
S-20-401	OPERATIONS BUILDING -ELEVATIONS 1	01/10/25
S-20-402	OPERATIONS BUILDING -ELEVATIONS 2	01/10/25
S-20-501	OPERATIONS BUILDING -BEAM AND COLUMN SCHEDULES AND DETAILS	01/10/25
A-20-002	SITE DETAILS	01/10/25
A-20-003	LIFE SAFETY PLAN	01/10/25
A-20-004	LEVEL ONE FLOOR PLAN & LEVEL ONE REFLECTED CEILING PLAN	01/10/25
A-20-004.1	LEVEL ONE PARTIAL ENLARGED FLOOR PLAN	01/10/25
A-20-005	LEVEL TWO FLOOR PLAN & LEVEL TWO REFLECTED CEILING PLAN	01/10/25
A-20-006	ROOF PLAN & LEVEL TWO FURNITURE PLAN	01/10/25
A-20-007	ELEVATIONS	01/10/25
A-20-007.1	ELEVATIONS	01/10/25
A-20-008.1	SECTIONS	01/10/25
A-20-008.2	SECTIONS	01/10/25
A-20-009.1	SECTIONS	01/10/25



Deliverable: 90% GMP Estimate
Owner: Palm Beach County
Project: WRWWTF Operations Building

A-20-009.2	SECTIONS	01/10/25
A-20-009.3	SECTIONS	01/10/25
A-20-009.4	SECTIONS	01/10/25
A-20-009.5	SECTIONS	01/10/25
A-20-009.6	SECTIONS	01/10/25
A-20-010	LEVEL TWO PARTIAL ENLARGED FLOOR PLAN	01/10/25
A-20-011	INTERIOR ELEVATIONS	01/10/25
A-20-012.1	INTERIOR ELEVATIONS & DETAILS	01/10/25
A-20-012.2	CASEWORK DETAILS	01/10/25
A-20-012.3	DETAILS	01/10/25
A-20-013	SCHEDULES	01/10/25
A-20-014	DOOR DETAILS	01/10/25
A-20-014.1	DOOR DETAILS	01/10/25
A-20-015	WINDOW DETAILS	01/10/25
A-20-016.1	ROOF DETAILS	01/10/25
A-20-016.2	ROOF DETAILS	01/10/25
A-20-017	WALL TYPES	01/10/25
F-00-001	GENERAL NOTES, LEGENDS AND ABBREVIATIONS	01/10/25
F-20-101	PROPOSED OPERATIONS BUILDING - FIRST FLOOR PLAN	01/10/25
F-20-102	PROPOSED OPERATIONS BUILDING-SECONDFLOOR PLAN	01/10/25
F-20-401	STANDARD DETAILS AND SCHEDULES	01/10/25
F-20-501	PROPOSED OPERATIONS BUILDING - RISER DETAIL	01/10/25
P-00-001	SYMBOLS, LEGENDS AND GENERAL NOTES	01/10/25
P-00-002	STANDARD DETAILS 1	01/10/25
P-00-003	STANDARD DETAILS 2	01/10/25
P-20-101	PROPOSED OPERATIONS BUILDING -POTABLE WATER PLAN - FIRST FLOOR	01/10/25
P-20-102	PROPOSED OPERATIONS BUILDING -POTABLE WATER PLAN - SECOND FLOOR	01/10/25
P-20-103	PROPOSED OPERATIONS BUILDING - DRAIN PLAN - FIRST FLOOR	01/10/25
P-20-104	PROPOSED OPERATIONS BUILDING - DRAIN PLAN - SECOND FLOOR	01/10/25
P-20-105	PROPOSED OPERATIONS BUILDING - DRAIN PLAN - ROOF	01/10/25
P-20-501	PROPOSED OPERATIONS BUILDING -ISOMETRICS	01/10/25
P-20-502	POTABLE WATER -ISOMETRICS	01/10/25
P-20-701	SCHEDULES 1	01/10/25
M-00-001	SYMBOLS, LEGENDS AND GENERAL NOTES	01/10/25
M-00-002	STANDARD DETAILS	01/10/25
M-00-003	STANDARD DETAILS 2	01/10/25
M-20-103	PROPOSED OPERATIONS BUILDING - FIRST FLOOR PLAN	01/10/25
M-20-104	PROPOSED OPERATIONS BUILDING - SECOND FLOOR PLAN	01/10/25
M-20-103	ISOMETRICS	01/10/25
M-00-501	AIR DIAGRAMS	01/10/25
M-00-701	SCHEDULES	01/10/25
M-00-702	SCHEDULES 2	01/10/25
M-00-703	SCHEDULES 3	01/10/25
E-00-001	ELECTRICAL LEGEND AND SYMBOLS	01/10/25
E-00-002	ELECTRICAL GENERAL NOTES	01/10/25
E-00-101	ELECTRICAL SITE LAYOUT	01/10/25
E-00-102	SITE PHOTOMETRIC PLAN	01/10/25
E-00-103	SITE WALKWAY PHOTOMETRIC PLAN	01/10/25
E-20-111	OPERATIONS BUILDING - 1ST FLOOR LIGHTING PLAN	01/10/25
E-20-112	OPERATIONS BUILDING - 1ST FLOOR POWER PLAN	01/10/25
E-20-113	OPERATIONS BUILDING - 1ST FLOOR SECURITY PLAN	01/10/25
E-20-121	OPERATIONS BUILDING - 2ND FLOOR - LIGHTING PLAN	01/10/25
E-20-122	OPERATIONS BUILDING - 2ND FLOOR POWER PLAN	01/10/25
E-20-123	OPERATIONS BUILDING - 2ND FLOOR SECURITY PLAN	01/10/25
E-20-124	OPERATIONS BUILDING -GROUNDING PLAN	01/10/25
E-20-601	MAIN SWITCHBOARD MSB-1 ONE LINE DIAGRAM	01/10/25
E-20-602	ELECTRICAL RISER DIAGRAMS - SHEET 1	01/10/25
E-20-603	ELECTRICAL RISER DIAGRAMS - SHEET 2	01/10/25
E-20-604	LIGHTING CONTROL DETAILS	01/10/25
E-20-605	SCHEMATIC DIAGRAMS	01/10/25
E-20-701	PANEL SCHEDULES - SHEET 1	01/10/25
E-20-702	PANEL SCHEDULES - SHEET 2	01/10/25
E-20-703	LUMINARIE SCHEDULE	01/10/25
E-21-101	EXISTING GENERATOR BUILDING -ELECTRICAL PLAN	01/10/25
E-90-001	ELECTRICAL DETAILS - SHEET 1	01/10/25
E-90-002	ELECTRICAL DETAILS - SHEET 2	01/10/25
E-90-003	ELECTRICAL DETAILS - SHEET 3	01/10/25



Wharton-Smith, Inc.
CONSTRUCTION GROUP

Deliverable: 90% GMP Estimate
Owner: Palm Beach County
Project: WRWWTF Operations Building

E-90-004	ELECTRICAL DETAILS - SHEET 4	01/10/25
E-90-005	ELECTRICAL DETAILS - SHEET 5	01/10/25
FA-00-001	FIRE ALARM LEGEND AND NOTES	01/10/25
FA-00-002	FIRE ALARM SCHEDULES	01/10/25
FA-20-001	FIRE ALARM RISER DIAGRAMS	01/10/25
FA-20-003	FIRE ALARM SYSTEM DETAILS	01/10/25
FA-20-101	OPERATIONS BUILDING - 1ST FLOOR FIRE ALARM PLAN	01/10/25
FA-20-102	OPERATIONS BUILDING - 2ND FLOOR FIRE ALARM PLAN	01/10/25

Doc Type: Specifications
Architect: Brown and Caldwell
Titled: Wester Regional WWTF Operations Building Project #22-012
Dated: 01/10/25



Palm Beach County Water Utilities Department
Western Region Wastewater Treatment Facility Operations Building
WUD No. 22-012R

90% GMP Estimate

Section 7

Brown and Caldwell (Corporation) Engineering During Construction



**Palm Beach County Water
Utilities Department**
**Western Region Wastewater Treatment
Facility, Operations Building Progressive
Design-Build with Wharton-Smith, Inc.**
**Engineering Services During
Construction Designer Scope of
Services**

I. Background

The existing Operations Building at the Western Region Wastewater Treatment Facility (WRWWTF) is no longer occupied. The County discovered water intrusion and mold in the building that is costly to remediate. The decision was made to replace the building with a new one in a new location.

Palm Beach County issued a notice to proceed (NTP) for the design of the New Operations Building on 9/19/23. Immediately following the NTP, Palm Beach County Water Utilities Department (PBCWUD) requested an update to the opinion of probable construction cost (OPCC) that was developed by Brown and Caldwell (Corporation) (BC/Designer) in the year 2020. The result of this update was an OPCC that was significantly above the project budget. Amendment No.1 included revisions to the scope of the project by the Designer and Wharton-Smith (Design Builder) to bring the OPCC within the project budget. Later in the design cycle, the County performed a fire flow test at the hydrant nearest to the proposed building site (identified as hydrant 00443), and measured a pressure and flow that would be inadequate to supply water to the fire suppression sprinklers and the pressure would be inadequate for the water fixtures on the second floor. As a result, the County asked the Consultant to add a fire pump, jockey pump, and booster pump to the design. Amendment No.2 included these additions to the 90% submittal.

Engineering Services During Construction (ESDC), to be included with the Contractor's Guaranteed Maximum Price (GMP), provides for the following additional tasks:

- 1- Operations Building 100% Design - This effort will complete the design from the 90% design to the 100% design ready for construction.**
- 2- ESDC – This effort will provide engineering support to the Design Builder during the construction phase of the project.**

This Scope of Services amends the original Scope of Services. Durations for Designer's Scope of Services are in accordance with the Design Schedule included in Exhibit B. The Designer's fee is included as Exhibit C.

Brown AND Caldwell

WRWWTF Operations Building PDB, Scope of Work, Amendment 1 (GMP)

The following tasks are modified or added:

- Task 6.1 – Project Management (modified)**
- Task 6.7 – Operations Building 100% Design (added)**
- Task 6.8 – Engineering Services During Construction (added)**

II. Designer Scope

Task 6.1 – Project Management (Modified)

The Designer shall perform the following activities:

6.1.1 Activities

6.1.1.1 General PM Activities

Provide Project Coordination and Management for the Designer’s activities. Monitor design labor utilization, design schedule, and design budget on a weekly basis. This subtask is amended to include the administration of amendments for subconsultants (Hillers Electrical Engineering, Inc. (Hillers), Colome & Associates, Inc. (Colome), TSFGeo, 2GHO Landscape Architecture & Planning (2GHO)) and to include monitoring and oversight of direct labor and subconsultants during the performance of the Amendment 1 scope of work. Perform general project coordination and administration activities, management of sub-consultants, including correspondence with Design Builder and PBCWUD, quality management, progress reporting, and invoicing.

6.1.1.2 Additional Meetings

Modified: Designer’s Project Manager and supporting design discipline leads, as appropriate, will attend. Attendees who are not local (within 100 miles of meeting location) will attend virtually unless determined otherwise by Designer. Designer has included a total of 32 meetings as outlined below and will track them in total:

- a. Construction Progress Meetings (quantity - 32, duration - 1 hour, location - ½ onsite, ½ virtual)

6.1.2 Deliverables

Added monthly status reports and monthly invoices (quantity – 16)

Task 6.7 – Operations Building 100% Design

6.7.1 - Activities

6.7.1.1 Designer will develop the 100% Issued for Construction (IFC) design documents based on the agreed revisions resulting from the 90% (GMP) design task, the changes during the bidding process and the changes during the building department permitting process. The work of this task is:

- a. Develop design drawings and technical specifications.
- b. Develop Division 01 specifications.



- c. Conduct independent design quality reviews and document in Bluebeam review sessions.

6.7.2 - Deliverables

- 6.7.2.1 100% Design Drawings
- 6.7.2.2 100% Technical Specifications
- 6.7.2.3 Division 01 Specifications

6.7.3 - Assumptions

- 6.7.3.1 There will be no Design Review Workshop associated with this task.
- 6.7.3.2 Documents shall be submitted in electronic PDF format only via email or shared cloud drive.

Task 6.8 – Engineering Services during Construction (ESDC)

The Designer shall provide ESDC throughout the duration of the construction period for the Project. The Designer's responsibilities include monitoring of construction activities to ensure the design intent is adhered to, clarification of design components, and review of technical submittals for compliance with the GMP. Specific activities like clarification and timely resolution of discrepancies in the drawings, review of building materials and equipment to be incorporated into the work, providing design drawings of changes required for completion of the Project, and certifying the Project is completed per the Florida Professional Engineer Signed and Sealed drawings and specifications will also be provided by the Designer. Construction Management Services will be performed by the Design Builder.

The Designer shall examine labor utilization, schedule, and budget for the Designer's work being performed under this Work Order on a regular basis. It shall be the ongoing responsibility of the Designer to ensure that Task budgets are being strictly adhered to and that deliverables are submitted to the Design Builder on time.

- **Staffing** - The Designer shall provide and maintain an appropriately sized team "Field Staff" on-site to perform the EDC requirements for the Project. Field staff shall use Design Builder-supplied field office space. The Designer shall update field staffing quarterly (if necessary) to reflect changes in the Design Builder's work schedule. More frequent updates may be required if the Design Builder's construction schedule changes sufficiently to warrant an update.
- **Construction Coordination** - The Designer shall be familiar with the construction documentation related to technical design issues and testing data and timely report any issues that are found that would prevent the Designer from signing and sealing the Record Drawings and Construction Completion Certifications. The Designer shall also assist the Design Builder by attending the on-site Project Construction Coordination Meetings to be held bi-weekly. Additional meetings during the course of the construction effort may be called by PBCWUD and/or the Design Builder. The Designer shall assist the Design Builder

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by attending these additional meetings. On a monthly basis the Designer will attend one of the bi-weekly construction progress meetings in person onsite with the other attended virtually. Designer's project manager and appropriate technical staff may attend the bi-weekly construction progress meetings.

6.8.1 - Construction Observation / Discipline Inspections

The Designer shall provide field staff with the appropriate expertise and experience for the given nature of the Project work. The responsibilities of the field staff include observation of the construction of the Project periodically and reporting the results of these observations to the Designer Professional Engineer. Construction Observation is divided into the following areas of specialty.

6.8.1.1 Civil and Landscaping Inspection - The Designer shall assist the Design Builder by providing a civil and landscaping review to confirm the design intent during construction. The activities shall include, but are not limited to, the following:

- a. Provide a review of Design Builder activities and reports, QC and QA activities and reports and construction activities within the Design Builder's work area for confirmation of the design intent during construction, including the following:
 - Erosion and sedimentation control measures and proper construction sequencing
 - Clearing and stripping designated areas
 - Maintaining existing roads
 - Removal of unsuitable material during grading
 - Subgrade preparation
 - Material testing
 - Suitability of materials to meet specified design criteria
 - Processing, placement and compaction of fill material
 - Field density tests for compaction control
 - Soils testing data
 - Review soils classifications relative to appropriate proctor values
 - Spot Check review of landscape installation.
 - Certifications and calibrations of field and lab equipment
 - Daily testing reports
 - Concrete formwork and reinforcing, if applicable
 - Concrete delivery, placement and testing, if applicable
 - Concrete test reports, if applicable, and
 - Design Builder daily inspection reports.
- b. Reviews of the Design Builder's on site "red-line as-builts" to verify the drawings reflect the work in-place and the Project design.
- c. Participate during the Substantial Completion and Final Completion inspections.

6.8.1.2 Structural, Architectural, and Mechanical Inspection - The Designer shall assist the Design Builder by providing structural, architectural, and mechanical reviews to confirm the intended design during construction. The activities shall include, but are not limited to, the following:

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- a. Participate in limited inspections of structural and mechanical components to confirm the intended design during construction
 - Review foundation subgrade
 - Spot check review of rebar installation
 - Spot check review of concrete pours
 - Spot check structural backfill placement, etc.
 - Spot check concrete testing data
 - Installation of sheeting and bracing
 - Spot check review of architectural features installation.
 - Spot check review of mechanical equipment installation.
- b. Reviews of the construction Design Builder's on site "red-line as-builts" to verify the drawings reflect the work in-place and the Project design.
- c. Witness of structural/mechanical testing to verify conformance to the Contract Documents.
- d. Participate during the Substantial Completion and Final Completion inspections.
- e. Review all close out documentation information pertinent to the discipline (i.e. Operation & Maintenance (O&M) Manuals).

6.8.1.3 Electrical and Instrumentation Inspection - The Designer shall assist the Design Builder by establishing an electrical and instrumentation review program to confirm the intended design during construction. The activities shall include, but are not limited to, the following:

- a. Participate in limited inspections of electrical components to confirm the intended design during construction (i.e. Conduit and grounding installation in concrete pours, duct bank and embedded conduit and grounding installation, cable installation, terminations and testing.)
- b. Reviews of the Design Builder's on site "red-line as-builts" to verify the drawings reflect the work in-place and the Project design.
- c. Witness electrical and instrumentation testing to verify conformance to specifications including any related acceptance testing.
- d. Participate during the Substantial Completion and Final Completion inspections.
- e. Review all close-out documentation information pertinent to the discipline (i.e. O&M Manuals, line diagrams, etc).
- f. Electrical equipment installation, testing and verification of coordination

6.8.2 - Submittal Review and RFIs

The Designer shall coordinate with the Design Builder to ensure that the Designer will have the opportunity to review submittals according to the following review description and schedule. Designer understands and acknowledges that time is of the essence with respect to providing a timely and comprehensive review of submittals and shall conduct themselves accordingly:

Shop Drawings and Substitutions – The Designer shall review shop drawing submittals to confirm the intended design. Following the review, the Designer shall return to Design Builder any comments along with the disposition of the submittal within fifteen (15) working days from receipt.

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For the purposes of budgeting, it is assumed that no more than seventy-five (75) submittals and thirty (30) re-submittals will require review.

Requests for Information (RFI) and Request for Clarification (RFC) – The Designer shall review RFIs/RFCs as received from the Design Builder. The Designer shall assist the Design Builder to provide a response to the RFI/RFC within eight (8) working days following receipt. For the purposes of budgeting, it is assumed that no more than thirty (30) RFIs/RFCs from the Contractor will require review and preparation of a response.

Quality Control Test Data Review - The Designer shall perform a Quality Assurance review through a spot check of test data supplied by the Design Builder. The Designer shall not be required to perform or coordinate materials testing. Assume this sub-task to be completed by Designer’s field representative.

6.8.3 - Project Closeout, Commissioning and Start-up

6.8.3.1 - Substantial Completion

Upon receiving notice from the Design Builder that the Project is substantially complete, the Designer, in conjunction with the PBCWUD’s staff, will conduct a comprehensive inspection of the Project, develop a list of items needing completion or correction, and make a recommendation to the Design Builder concerning acceptance of the work done and PBCWUD’s use of the Project. Substantial Completion shall be defined as the stage of construction where the Project can be utilized for the purposes for which it was intended. At this stage of completion, some items need not be fully completed; however, all items that affect the operation and function of the Project are capable of their intended use. It includes travel to project site, inspection and develop of punch list items for each discipline (site civil, structural, architectural, landscaping, mechanical, heating ventilation air conditioning (HVAC) electrical, and instrumentation and control) and associated recommendations.

Deliverables

- Substantial Completion certification letter and punch list

6.8.3.2 - Final Inspection and Closeout

The Designer shall attend a Final Inspection meeting of the Project as scheduled by the Design Builder. The Designer shall perform a final inspection in conjunction with PBCWUD’s and assist in closing out the Project. The Designer shall certify to PBCWUD and other local authorities, as applicable, that the Project was completed in substantial conformance with the contract documents. The Designer shall prepare, or coordinate with the Design Builder to prepare, the necessary documentation to close-out the Project, including lien waivers, Design Builder’s final affidavit, close-out change order and final payment application, and warranty letters from Design Builder, subcontractors and equipment suppliers, as applicable. It includes travel to project site, verification of completion of punch list items for each discipline (site civil, structural, HVAC, mechanical, electrical, instrumentation and control and yard piping) and assist in project closeout.

Deliverables

- Completed punch list issued from substantial completion.
- Final Completion certification letter.



6.8.3.3 - Start Up and Commissioning

The Designer shall provide limited assistance to the Design Builder and PBCWUD in the start-up and commissioning of the Project facilities. The Designer shall attend meetings, inspections, and other events as requested by the Design Builder and PBCWUD. A total of up to up to forty (40) hours is anticipated for this sub-task.

Deliverables

- Correspondence and reports certifying the Start-Up and Commissioning completion.

6.8.3.4 - Record Drawings Preparation and Submittal

Following Final Completion and acceptance of the Design Builder's work by the Designer and PBCWUD, the Designer shall prepare a set of record drawings documenting changes made during the construction. The record drawings will be based upon the marked-up prints, drawings and other data furnished and certified by the Design Builder. The Designer shall submit two (2) full sized (24" x 36") hard copy sets of record drawings, one (1) electronic set in PDF and AutoCAD formats. Record drawings will be submitted within thirty (30) calendar days following receipt of the certified marked-up red line drawings from the Design Builder. Assume eighty (80) hours to complete this task.

Deliverables

- Project record drawings in AutoCAD format
- Project record drawings in Portable Document Format (PDF)
- Two (2) hardcopy project record drawings 22 x 34 inches.

III. Assumptions

Tasks NOT INCLUDED in this scope under Task 6.1, Task 6.7 and Task 6.8 are as follows:

1. Direct costs (facilitator, venue) for Partnering are by Others.
2. Development of instrumentation loop diagrams.
3. Design of temporary pavement and associated drainage systems for construction parking, staging and laydown areas.
4. Design of temporary construction warehouse structures.
5. Design of temporary construction power systems.
6. Design or supply of temporary field office facilities and support utility and structure systems.
7. Preparation of a cost-loaded construction schedule using Primavera P6
8. Construction cost estimating and scheduling.
9. Field engineering and or design for temporary support of excavation, including cofferdams, sheeting, shoring, and any other engineering related to the methods and means of Design-Design Builder's construction
10. Construction means and methods
11. Easement acquisitions

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12. Wiring termination drawings (point to point).
13. Hazardous materials surveys.
14. Traffic control design
15. Formal Value Engineering (VE) process, including development and evaluation of new cost savings ideas, is not included.
16. Public outreach plan, public meetings, website hosting, or social media development
17. Leadership in Energy and Environmental Design (LEED) certification is not required
18. Pipe, duct, and wire tray support design is not included in this phase of the design. Standard supports will be specified.
19. Surge analysis of any piping systems
20. Thermal analysis or modeling of any piping systems
21. Fire sprinkler system design will be designed by a licensed Fire Protection specialty sub-consultant engaged by the Design Builder as part of the project construction.
22. Maintenance of Plant Operations (MOPO) plan is not included. Designer will coordinate with Design Builder in support of Design Builder's plan. Design alterations to support MOPO are not included. Submittal review of MOPO plans will be included in construction phase services.
23. Survey and geotechnical services are not included as part of the Designer's ESDC
24. Laboratory testing of materials are not included as part of the Designer's ESDC.
25. Special Inspections (i.e., Threshold and structural) are not included as part of the Designer's ESDC.
26. Designer's services extending past sixteen (16) months from Notice to Proceed (NTP).

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WRWTF Operations Building PDB, Scope of Work, Amendment 1 (GMP)

Exhibit B - Schedule

A major milestone schedule is presented below. Each date is provided in number of weeks/months from the date of Notice to Proceed.

Milestone	Description	Date
NTP	Notice to Proceed for Construction (Phase 2)	To be Determine
1	Operations Building 100% Design Submission*	2 months
2	Substantial Completion*	14 months
3	Final Completion*	16 months

*After construction Notice to Proceed.

Exhibit C - Fee

Total compensation to Designer for the Scope of Work, will be the not to exceed fee of \$603,873.00. Invoicing will be monthly on a lump sum basis. A breakdown of Designer's fee to perform the work is described on the following pages. The proposals from Colome, Hillers, and 2GHO are also included in this section.