

**AMENDMENT #1 TO CONTRACT NO. 2022000261  
AGREEMENT BETWEEN CHARLOTTE COUNTY  
and  
HDR ENGINEERING, INC.  
ENGINEERING SERVICES -  
WEST PORT WATER RECLAMATION FACILITY EXPANSION**

**THIS AMENDMENT #1** to Contract No. 2022000261 ("Amendment #1") is made and entered into by and between CHARLOTTE COUNTY, a political subdivision of the State of Florida, 18500 Murdock Circle, Port Charlotte, Florida 33948-1094 (hereinafter referred to as "County"), and HDR ENGINEERING, INC., 1917 South 67th Street, Omaha, Nebraska 68106 (hereinafter referred to as "Consultant").

**WITNESSETH**

**WHEREAS**, the parties entered into Contract No. 2022000261 (the "Contract") on April 12, 2023, for Consultant to provide engineering services for the Pirate Harbor Waterway (hereinafter the "Project"), in accordance with the provisions of Section 287.055, Florida Statutes; and

**WHEREAS**, the County and Consultant desire to amend the Contract to reflect a revised phased construction approach, reduce the initial expansion from 5.0 MGD to 2.5 MGD, add separate design and bid packages, extend the project schedule, revise permitting scope, and increase total compensation; and

**WHEREAS**, Consultant has agreed to perform these revised services in accordance with the updated Scope of Services dated July 3, 2025, incorporated herein.

**NOW, THEREFORE**, in consideration of the mutual covenants contained herein, County and Consultant hereby amend the Contract to provide for the additional Project services as follows.

**ARTICLE I  
INCORPORATION / COMPENSATION / SERVICES**

1.1. The above Recitals are hereby incorporated herein and made a part of this Amendment #1.

1.2. The provisions of this Amendment #1 and the document titled "**West Port Water Reclamation Facility Expansion – Amendment 1 dated July 3, 2025**", attached hereto as Exhibit A, are specifically incorporated into and made a part of the Contract.

1.3. This Amendment #1 shall consist of the services which Consultant agrees to perform in accordance with the terms found in this Amendment #1, the attached **Exhibit A**, and the original Contract.

1.4. The County agrees to pay Consultant an additional amount of Seven

Hundred Sixty-Two Thousand Dollars and no cents (\$762,000.00), for a revised total contract amount not to exceed Five Million Six Hundred Fifty-Eight Thousand Four Hundred Seventy Dollars and no cents (\$5,658,470.00), as set forth in **Exhibit A**.

**ARTICLE II**  
**MISCELLANEOUS**

2.1. Any terms used in this Amendment #1 shall have the same meanings and definitions as they have in the Contract.

2.2. All other provisions of the Contract, as amended, not in conflict with this Amendment #1 shall remain in full force and effect.

**IN WITNESS WHEREOF**, the parties hereto have entered into this Amendment #1 as of the last date written below.

WITNESSES:

**HDR ENGINEERING, INC.**

Signed By: \_\_\_\_\_

Signed by: \_\_\_\_\_

Print Name: \_\_\_\_\_

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**BOARD OF COUNTY COMMISSIONERS OF  
CHARLOTTE COUNTY, FLORIDA**

ATTEST:

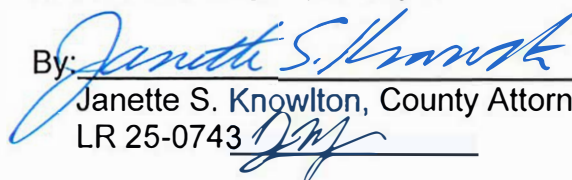

Roger D. Eaton, Clerk of the Circuit  
Court and Ex-Officio Clerk to the  
Board of County Commissioners

By: \_\_\_\_\_  
Joseph M. Tiseo, Chairman

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Deputy Clerk

APPROVED AS TO FORM  
AND LEGAL SUFFICIENCY:

By:  \_\_\_\_\_  
Janette S. Knowlton, County Attorney  
LR 25-0743  \_\_\_\_\_

**Exhibit List – Exhibit A** - West Port Water Reclamation Facility Expansion – Amendment  
1 dated July 3, 2025



# Professional Engineering Services Agreement

West Port Water Reclamation Facility Expansion

Preliminary Engineering, Design, and  
Construction Services for an Expansion to the  
West Port Water Reclamation Facility (WRF)

*Charlotte County Utilities Department*  
July 3, 2025

## Amendment 1

Scope of Services



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### Exhibit B – Billing Rates for Time and Materials Tasks

## Exhibit A – Owner’s Consultant’s Services

The scope, assumptions, schedule, and budget herein amend the original scope, assumptions, schedule, and budget as part of this work assignment.

### 1 Amendment Summary

This scope amends the original contract between HDR and Charlotte County Utilities to add additional upgrades to the West Port Water Reclamation Facility (WRF). The schedule of the original contract was 48-months from NTP to Final Completion of Construction (April 2023 – April 2027). Due to the County’s intent to phase the construction of the West Port Expansion, this contract will be extended through April 30, 2028.

The initial design expansion of 5.0 MGD is being changed to a 2.5 MGD capacity phase, with space accommodations for 5.0 MGD. A new equalization (EQ) basin will be designed and constructed in a separate construction package to function with the existing facility, addressing immediate operations concerns with variability of influent flows, and will be incorporated into the future 2.5 MGD facility expansion. Additionally, a new biological treatment process was selected to reduce the overall construction cost.

Additionally, the original contract noted Rotonda WRF would be evaluated for replacement with a master pump station and force main. However, during the planning phase it was assessed that the most cost effective and reliable solution for the County would be to keep the Rotonda WRF in operation. The master pump station and force main are being removed from the scope of work. Necessary improvements to the Rotonda WRF will be made under a separate contract.

#### 1.1 Task 1 - Project Management

Task 1 will be amended to include an additional 12 months of progress meetings, invoicing, and Project Management effort to support the project during its extended work period.

#### 1.2 Task 2 - Preliminary Data Collection and Review (Previously Completed)

#### 1.3 Task 3 - Wastewater Regionalization Evaluation (Previously Completed)

#### 1.4 Task 4 - Basis of Design Report

Task 4 will be amended to incorporate additional design elements into the Basis of Design Report (BODR) that are outlined in this Amendment and add effort for participation in additional workshops.

##### 1. Workshops:

- (1) In-Person workshop to review revised site plan due to new processes and equipment sizing.
  - (2) Virtual workshops with AquaNereda to discuss the AGS process.
  - (1) In-Person site visit to evaluate existing extra chlorine contact chamber (CCC) condition, piping, chemical system, and connection requirements.
2. Phase 1 Package 1: EQ Tank and Pump Station
- a. A separate BODR Section will be developed for the EQ tank and pump station. This report section will be used for the permit modification. This will be a separate design-bid-build package or CMAR process (supplemental services).
  - b. Additionally, the EQ tank and pump station will be sized for 1.5 MG from 1.0 MG, and the 3D Revit model and BODR sections will be updated to reflect the sizing change. The pump station is being reconfigured to account for the multi-phased construction projects to be able to accommodate the current West Port operation, and also be converted to support the expanded system in the future. This requires reevaluation of the pump sizing, and valve and piping configurations to provide proper pump function during both conditions.
3. Phase 1 Package 2: Headworks, Odor Control and CCC optimization
- a. The headworks, odor control, and chlorine contact chamber (CCC) optimization components will be split into a separate design-bid-build package or CMAR process (supplemental services). The necessary equipment will be resized from the original design intent that was previously approved and included in a separate design package. This effort includes revising the site plans and modifying the 3D Revit Models to reflect the new equipment sizing. This also includes the design effort to rehabilitate the existing chlorine contact tank for use prior to the 2.5 MGD expansion project.
    - i. Screens and wash press and compactor (resized from 5.0 MGD to 2.5 MGD, with ability to add another (2) 2.5 MGD at 5.0 Complete Expansion)
    - ii. Odor Control (resized from 5.0 MGD to 2.5 MGD, with ability to expand to 5.0 MGD.)
    - iii. Grit Removal (resized from 5.0 MGD to 2.5 MGD, with ability to expand to 5.0 MGD)
4. Phase 2: 2.5 MGD Expansion:
- a. The West Port WRF BODR will be revised to a plant capacity of 2.5 MGD, as agreed to during the Board Meeting on 1/9/25. The original BODR was drafted for a 5.0 MGD expansion. The resizing of the plant equipment requires rework of the Revit models, process calculations, yard piping, facility layouts, and equipment sizing. The following items will be included in the revised 2.5 MGD BODR, which are additions from the original contract.
    - i. Biosolids Management: Solids holding tanks will be designed as rectangular cast-in-place concrete sludge holding tanks with aeration, mixing, with gravity thickening and supernatant by floating decanters. The

solids holding tanks will be designed to provide 14-days of waste sludge storage. The tanks will receive waste activated sludge (WAS) and scum from the secondary clarifiers. The solids holding tanks will include a coarse bubble diffused aeration system with centrifugal blowers with sound attenuating enclosures. The tanks will be designed for 2.5 MGD initial capacity, with space to expand to 5.0 MGD during a future build out.

- ii. BNR System: The design will be revised from a biological nutrient removal (BNR) system to an Aerobic Granular Sludge (AGS) system. The AGS system will include 2 treatment basins at 1.25 MGD each initially with space for two additional basins to achieve 5.0 MGD AADF during a future build out. The AGS system will include blowers and diffusers for aeration, two separate basins for waste sludge flow buffering and initial thickening prior to flowing to the larger sludge holding tanks, and an additional basin for buffering treated water flow prior to conveyance to the disk filter system. The blowers will not be located within a building.
- b. The following equipment will be resized from the original design intent that was previously approved. This work includes new site plans and modifying the 3D Revit Models to its new size. Space for future buildout infrastructure will be shown in the drawings.
  - i. Chlorine Contact Chambers + Disinfection System (resized from 5.0 MGD to 2.5 MGD).
  - ii. Disk Filters (resized from 5.0 MGD to 2.5 MGD)
  - iii. Plant Drain System piping and connections will be revised to accommodate the revised equipment and site layout.
  - iv. The existing Distribution Pump Station will be demolished and replaced in a different location with a new Distribution Pump Station to connect to the existing Master Reuse System, deep injection well, and future deep injection well. This pump station will be sized to enable the County to send projected peak flows to the Injection Well System.
- c. The 2.5 MGD design will include space accommodations for a future 5.0 MGD build out, which will be completed outside of this Contract.

5. The following items are being removed from the Rotonda WRF Expansion scope:

- The transfer pump station is removed from the scope.
- The forcemain and its appurtenances from Rotonda to West Port is removed from the scope.
- Odor control for the forcemain is removed from the scope.

## 1.5 Task 5 - Funding Support

No proposed modifications.

## 1.6 Task 6 - Engineering Design Services

Task 6 will be amended to include the new design elements outlined in Task 4.

The original contract included 1 design package. The revisions to the contract now require 3 design packages to be developed to cover the phasing of the construction. The preliminary design drawings will be updated to reflect the new phasing approach. As part of the cost savings effort, alternative biological treatment options, and sizes were considered. It was agreed that the AGS system would save the County substantial costs in construction. However, this change in treatment process requires additional design effort, and some rework of previously designed elements. Additional effort is required for recreating the structural models to reflect the new size of each systems infrastructure, development of new technical specifications, design calculations, and design coordination between disciplines for each package. Phase 1 Package 1 will only include draft plans and final plans. Phase 1 Package 2, and Phase 2 will include 60%, 90%, and 100% Design submittals.

Task 6 will be amended to expand the design package effort to include the following:

- Phase 1 Package 1 – Effort to develop a construction package for a 1.5 MGD EQ tank and return pump station with detailed construction drawings, technical specifications, a bid package and opinion of probable construction cost.
  - The EQ tank and return pump station will be designed to support the current West Port operating conditions, and be configured to be integrated with the new headworks under the Phase 1 Package 2 design.
- Phase 1 Package 2 – Effort to develop a construction package for a 5 MGD Headworks, odor control system and optimize the existing CCC, including detailed construction drawings, technical specifications, a bid package and opinion of probable construction cost.
  - Optimizing the extra CCC is additional work, requiring a condition assessment of the concrete, piping, valving, and chemical system, and additional design for any necessary repairs to reconfigure it for the interim operation phase. The CCC utilized for Phase 1 Package 2 will only be a temporary solution, and a new CCC will be designed in the Phase 2 Expansion project for the full 2.5 MGD of treatment.
  - The Phase 1 Package 1 EQ tank and return pump station will get reconfigured under Phase 1 Package 2 design once for the new headworks.
- Phase 2 – 2.5 MGD Expansion (*included with original scope*)
  - Additional elements include the complete design of the AGS system, blowers, diffusers, pumps, waste sludge basins, piping, and process instrumentation controls, as well as a new biosolids management facility including the complete design of the solids handling tanks, pumps, piping, aeration, blowers, and coordination with the WAS system. These elements required additional specifications, drawings and opinion of probable construction cost that will get integrated with the 2.5 MGD expansion package.



- The construction phasing also adds a level of complexity to the intermediate and final design packages by requiring additional piping, valving, instrumentation and coordination efforts to ensure the EQ tank and pump station, and the Headworks, Odor Control and CCC tanks can be integrated into the 2.5 MGD expansion construction without impacting the plants operation. The original single-construction phase project did not have any components that would be reused in the expansion project. This effort requires more detailed construction sequencing, additional specifications, and special attention to piping, valves and control placement and operation to ensure a smooth installation and transition from Phase 1 Package 2 Operation to Phase 2 Operation. (4) Virtual workshops with Aqua-Nereda to discuss the AGS process.

Design package reviews with CCU will be conducted during monthly progress meetings. Additional design meetings are not included in this scope.

## 1.7 Task 7 - Environmental and Permitting Services

Task 7 will be amended to provide new permitting services relative to the separate EQ tank and Headworks Permit Modification.

The additional following permits are anticipated for this project:

- Additional Pre-Application meeting with FDEP to discuss new phasing.
- West Port Phase 1 Package 1 & Package 2 Permit Minor Modification.
  - Team will prepare permit documentation, attend pre-application meeting, and submit *Minor Mod Application*.
- West Port Phase 1 Package 1 & Package 2 Headworks/Odor Control ERP.
- West Port –Phase 2 2.5 MGD Expansion Major Modification. (original scope)
- West Port –Phase 2 2.5 MGD Expansion ERP. (original scope)

All permit fees will be paid by the Owner.

Engineer will respond to up to two (2) requests for Information (RFIs) from each of the permitting agencies.

The following items are being removed from the Permitting scope:

- Rotonda Pump Station and Pipeline Permitting

**Deliverables:** FDEP permit mod application support documents, ERP permit application support documents, building department permit application support document, and responses to RFIs.

## 1.8 Task 8 - Bid Phase Services

The original contract included one bid package. The revisions to the contract require three bid packages to be developed to cover the phasing of the construction projects. Task 8 includes bid phase services for the following:

- Phase 1 Package 1 – 1.5 MG EQ tank
- Phase 1 Package 2 – Headworks, odor control and CCC optimization

- Phase 2 – 2.5 MGD Expansion (original scope)

## 1.9 Task 9 - Construction Phase Services

No proposed modifications.

## 1.10 Task 10 - Supplemental Services

No proposed modifications.

# 2 Revised Project Schedule

The project schedule has been extended to account for the additional work which includes four design and construction packages. The following list outlines the revised proposed schedule dates for each phase and each contract. A detailed schedule will be provided within 14 days of NTP.

<u>Project Phase and Task</u>	<u>Months from NTP</u>	<u>Completion Date</u>
Notice to Proceed		Anticipated November 2025
BODR	2	December 2025
<u>Phase 1 Package 1: EQ Tank</u>		
Preliminary Drawing Review	4	March 2026
Final Drawing Review	7	June 2026
Bid Phase Services (4 months)	11	July 2026 to October 2026
Construction	25	November 2026 to December 2027
<u>Phase 1 Package 2: Headworks &amp; Odor Control</u>		
60% Design	5	April 2026
90% Design	9	August 2026
100% Design	11	October 2026
Bid Phase Services (4 months)	15	November 2026 to February 2027
Construction	34	March 2027 to September 2028
<u>Phase 2: 2.5 MGD Initial WRF Expansion</u>		
60% Design	41	April 2029 <sup>1</sup>
90% Design	47	October 2029
100% Design	53	April 2030
Bid Phase Services (4 Months)	54	May 2030 to August 2030
Construction	82	September 2030 to September 2032

<sup>1</sup>The schedule can be advanced forward if funding becomes available sooner.

### 3 Assumptions

The following assumptions are included with the amendment.

1. Master reuse system storage and capacity expansions outside of the plant site are not considered for this project. Existing pumping pressure and flow requirements from the Reclaimed Water Model to be provided by County.
2. Improvements or evaluations to the wastewater collection system are not included with this project.
3. No services for equipment pre-purchase contracts are included in this project.
4. No hazardous materials inventories are included in this project.
5. Assistance with WIFIA is not included.
6. Asset Management will be coordinated by Charlotte County who will provide the naming convention to the design team for incorporation into the design packages.
7. Subsurface Utility Exploration services may be needed, which will be covered under the Supplemental Services task.

## 4 Compensation

The Engineer will provide the scope of services outlined in this amendment based on the task breakdown below. The lump sum fees will be invoiced monthly on a percent complete basis of each task. Time and Materials (T&M) tasks will be invoiced with hours and billing category per Exhibit B – Billing Rates for Time and Materials Tasks.

		Original Consultant Fee	Additional Fee to Completion	New Contract Total Fee
Task 1 – Project Management	Lump Sum	\$270,488	\$88,000	\$358,488
Task 2 – Preliminary Data Collection and Review	Lump Sum	\$259,331	\$0	\$259,331
Task 3 - Wastewater Regionalization Evaluation	Lump Sum	\$62,216	\$0	\$62,216
Task 4 – Basis of Design Report	Lump Sum	\$187,974	\$136,000	\$323,974
Task 5 – Funding Support	Lump Sum	\$24,470	\$0	\$24,470
Task 6 – Engineering Design Services	Lump Sum	\$2,788,626		
Phase 1 Package 1 EQ Tank Separate Design Package	Lump Sum		\$78,000	\$78,000
Phase 1 Package 2 5.0 MGD Headworks/Odor Control/Chlorination Optimization Separate Design Package	Lump Sum		\$250,000	\$250,000
Phase 2 Interim 2.5 MGD Expansion Design Package	Lump Sum		\$788,000	\$788,000
<i>Rotonda Pump Station/Pipeline CREDIT</i>	Lump Sum		-\$640,000	-\$640,000
Task 7 – Permitting Services	Lump Sum	\$36,021	\$24,000	\$60,021
Task 8 – Bid Phase Services	Lump Sum	\$57,998	\$38,000	\$95,998
<b>Sub Total (Tasks 1-8)</b>		<b>\$3,687,124</b>	<b>\$762,000</b>	<b>\$4,449,124</b>
Task 9 – Construction Phase Services	T&M	\$939,346		\$939,346
Task 10 – Supplemental Services	T&M	\$270,000		\$270,000
<b>Sub Total (Tasks 9-10)</b>		<b>\$1,209,346</b>		<b>\$1,209,346</b>
<b>Contract Total (Tasks 1-10)</b>		<b>\$4,896,470</b>	<b>\$762,000</b>	<b>\$5,658,470</b>