

EXHIBIT E

CHANGE ORDER No. 1

CHANGE ORDER NO. 1

CONTRACT NO. 190-0031-NC

TO: Ardurra Group, Inc.
Attn: Loc P. Truong, P.E.
4921 Memorial Highway, Suite 300
Tampa, FL 33634

DATE: August 7, 2024

PROJECT NAME: W.E. Dunn WRF Offsite Reclaimed Water Pump Station Improvements Project

PROJECT NO: 003747A

Under our AGREEMENT dated June 2, 2020

You hereby are authorized and directed to make the following change(s) in accordance with terms and conditions of the Agreement:

For the (Additive) Sum of: \$734,754.04

Original Award Phase One (Design)	\$ 752,557.11
Change Order No. 1 (Increase)	\$ <u>734,754.04</u>
Total Agreement Amount	\$ 1,487,311.15

This Change Order incorporates additional scope, as referenced in Attachment A, to the agreement:

This Change Order provides for the full-time construction management and inspection needed for the construction of improvements to the W.E. Dunn Offsite Reclaim Water Pump Station. The scope of the services will include managing all construction related meetings (attending and moderate); manage the review/approval of all Shop Drawings, Requests for Information, and Additional Work Authorizations submitted by the contractor; provide construction observation and inspection for all construction activities; providing daily reports; review all invoicing and schedules from the contractor throughout the construction and completion of these improvements.

This construction project is large scale and requires full-time construction services to monitor and manage all activities. The improvements to the Dunn Offsite Pump Station include replacement of four vertical turbine pumps; four automatic strainers, expansion of the existing electrical building; replacement of the electrical switchgear, motor control centers and variable frequency drives; SCADA improvements including a new Local Control Panel with a programmable Logic Controller; a diesel generator system; flow meters, valves and associated piping. Work will also include piping, valving and metering to allow surplus reclaim water to be pumped from the County's Interconnect PS located in Oldsmar back to the Dunn plant's reclaim pond.

The time for completion shall be increased by thirteen hundred eight (1308) calendar days due to this Change Order. Accordingly, the Substantial Completion date is October 1, 2026. Your acceptance of this Change Order shall constitute a modification to our Agreement and will be performed subject to all the same terms and conditions as contained in our Agreement indicated above, as fully as if the same were repeated in this acceptance. The adjustment, if any, to the Agreement shall constitute a full and final settlement of any and all claims arising out of or related to the change set forth herein, including claims for impact and delay costs.

Accepted: Chris F. Kuzler

Date: 08/16/24

Print Name: Christopher F. Kuzler, Director
Ardurra Group, Inc.

Accepted: _____

Date: _____

Print Name: _____
Pinellas County Board of County Commissioners

APPROVED AS TO FORM
By: Miles Belknap
Office of the County Attorney



July 30, 2024

Ms. Margaret (Becky) Cook, P.E.
Pinellas County Utilities
14 South Fort Harrison Blvd, 6th FL
Clearwater, FL 33756

RE: W.E. Dunn Offsite RCW Pump Station Improvements
Change Order No. 1 – Additional Construction Services

Dear Ms. Cook:

Ardurra Group, Inc. (CONSULTANT) has completed the design, permitting and bidding phase services for the County's W.E. Dunn WRF Offsite Reclaimed Water Pump Station Improvements Project (003747A) and the County is prepared to award the construction contract to the selected contractor. The original scope of services under RFP Contract No. 190-0031-NC (SS) was approved in June 2020, during the COVID pandemic, which assumed a 78 week (18 month) construction contract duration. Based on the mechanical and electrical equipment selected for the project and their associated lead times, the current construction contract duration is now twenty-five (25) months. Furthermore, under the original scope of services, the CONSULTANT was only contracted to perform limited field observation services. The County is now requesting the CONSULTANT to provide full-time construction management and inspection services. As such, this Change Order will include the following additional services beyond the original scope of work.

Task 6a – Additional Construction Management

- 6.1 The CONSULTANT will review seven (7) additional monthly construction schedule updates and coordinate the reviews with the County's staff.
- 6.2 Attend and moderate seven (7) additional monthly construction progress meetings. The CONSULTANT will prepare and distribute an agenda and meeting minutes.
- 6.3 Provide fourteen (14) additional periodic site visits by the CONSULTANT's Project Manager and/or Project Engineer to observe the progress of the work and address questions raised during construction.
- 6.4 Review and recommend payment of seven (7) additional monthly pay applications submitted by the Contractor.



- 6.5 Provide general Construction Management efforts during the additional seven (7) months of construction including:
- Reviewing the Daily Field Observation Reports.
 - Document control including maintaining files of correspondence, meeting minutes, Contract Documents, Change Orders, Field Orders, RFIs, Work Change Directives, and etc.
 - Miscellaneous phone calls and emails and coordination with the County's Project Manager and other County staff, including assisting the County's Project Manager with miscellaneous minor project related questions and general consultation with respect to the Contractor's contractual obligations.
 - Miscellaneous phone calls and emails with the Contractor's staff required to respond to minor questions not requiring formal RFIs.

Task 7a – Additional Construction Observation

7.1 The original scope of work was based on conducting limited field observation, which included an average of eight (8) hours per week of construction over 69 weeks (16 months) totaling 552 hours. The County has requested the CONSULTANT to provide full-time field observations. Therefore, the CONSULTANT will provide an additional 3,768 hours of field observations in order to provide full-time field observations for the project as shown below:

- Additional 32 hours per week for 69 weeks (16 months) = 2,208 hours
 - Additional 40 hours per week for 39 weeks (9 months) = 1,560 hours
- Total Additional Hours = 3,768 hours**

The CONSULTANT will provide the County with copies of daily field reports with representative photographs of the work in PDF format on a weekly basis.

Task 8a – Unspecified Work Allowance

At the County's discretion, the Unspecified Work Allowance shall be used to perform additional services beyond the scope of work included herein. The Unspecified Work Allowance shall only be used when specifically authorized by the County.



Assumptions:

- No additional Shop Drawings, RFI's, Startup/Testing, Substantial/Final Completion Walkthroughs, Record Drawings are included in this Change Order.

Fees

All work performed under this proposal will be invoiced to the County on a Lump Sum (LS) basis or Time and Materials (T&M) per the fees summarized in the table below and as shown in **Exhibit A**.

Fee Proposal			
Task	Description	Basis	Fee
1	Additional Construction Management	LS	\$176,074.04
2	Additional Construction Observation	LS	\$508,680.00
3	Unspecified Work Allowance	T&M	\$50,000.00
Total			\$734,754.04

We appreciate this opportunity to continue to assist the County and look forward to the construction phase of the project. If you have any questions or require further information, please do not hesitate to call me.

Sincerely,

Loc P. Truong, P.E.
Florida Water Practice Director

cc: Christopher F. Kuzler, P.E. – Ardurra

EXHIBIT A - ARDURRA GROUP, INC.
W.E. Dunn Off-Site Reclaimed Water Pump Station
Improvements – Professional Engineering Services
Contract No. 190-0031-NC (SS)

FEE SCHEDULE

Rate, \$/Hr	Labor Hours					
	Principal Engineer	Chief Engineer 1	Engineer 2	CEI Project Engineer	CEI Project Admin	Total Hours
	\$253.00	\$197.00	\$176.00	\$135.00	\$135.00	

Ardurra Labor	Budget				Task Total
	SUBCONSULTANTS				
	Driggers	ATS	Rocha	EDA	

Task	Principal Engineer	Chief Engineer 1	Engineer 2	CEI Project Engineer	CEI Project Admin	Total Hours
6a Additional Construction Management						
6.1 Additional Monthly Schedule Reviews (7)	16		24		8	48
6.2 Additional Monthly Construction Meetings (7)	24		40		40	104
6.3 Additional Site Visits (14)	40	16	40			96
6.4 Additional Pay Application Reviews (7)	8		24		4	36
6.5 General Construction Management						
Field Obs. Reports (108 weeks)	80				160	240
Document Control	8				120	128
Misc. Coordination with County (39 weeks)	40	12	24			76
Misc. Coordination with the Contractor (39 weeks)	60	16	60			136
Subtotal - Construction Management						

\$160,628.00	\$0.00	\$0.00	\$0.00	\$15,446.04	\$176,074.04
\$9,352.00					\$9,352.00
\$18,512.00				\$ 3,972.96	\$22,484.96
\$20,312.00				\$ 5,297.28	\$25,609.28
\$6,788.00					\$6,788.00
\$41,840.00					\$41,840.00
\$18,224.00					\$18,224.00
\$16,708.00				\$ 6,175.80	\$22,883.80
\$28,892.00					\$28,892.00
\$160,628.00	\$0.00	\$0.00	\$0.00	\$15,446.04	\$176,074.04

Task	Principal Engineer	Chief Engineer 1	Engineer 2	CEI Project Engineer	CEI Project Admin	Total Hours
7a Additional Construction Observation						
7.1 Additional Field Observation						
Additional 32 hrs/week for 69 weeks				2208		2208
Additional 40 hrs/week for 39 weeks				1560		1560
Subtotal - Construction Observation						

\$508,680.00	\$0.00	\$0.00	\$0.00	\$0.00	\$508,680.00
\$298,080.00					\$298,080.00
\$210,600.00					\$210,600.00
\$508,680.00	\$0.00	\$0.00	\$0.00	\$0.00	\$508,680.00

Task	Principal Engineer	Chief Engineer 1	Engineer 2	CEI Project Engineer	CEI Project Admin	Total Hours
8a Unspecified Work Allowance						
8.1 Unspecified Work Allowance						
Subtotal - Unspecified Work Allowance						

\$50,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50,000.00
\$50,000.00					\$50,000.00
\$50,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50,000.00

Total - Additional Construction Services

\$719,308.00	\$0.00	\$0.00	\$0.00	\$15,446.04	\$734,754.04
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ELECTRICAL DESIGN ASSOCIATES
W.E. Dunn Off-Site Reclaimed Water Pump Station
Improvements – Professional Engineering Services
Contract No. 190-0031-NC (SS)

Date: 7/30/2024

Estimate of Work Effort

Description	Principal		Senior Electrical Engineer		Engineer		Electrical Designer		Field Supervisor		Cadd Technician		Clerical/Admin		Totals	
	Hourly Rate	\$213.07	Hourly Rate	\$183.57	Hourly Rate	\$147.51	Hourly Rate	\$104.90	Hourly Rate	\$95.06	Hourly Rate	\$91.78	Hourly Rate	\$59.00	man-hours	Total
	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total
Task 6 - Construction Management																
Task 6.2 Additional Monthly Construction Meetings		\$ -	12	\$ 2,202.84	12	\$ 1,770.12		\$ -		\$ -		\$ -		\$ -		\$ 3,972.96
Task 6.3 Additional Site Visits		\$ -	16	\$ 2,937.12	16	\$ 2,360.16		\$ -		\$ -		\$ -		\$ -		\$ 5,297.28
Task 6.5 Misc. Coordination with Contractor/County (39 weeks)		\$ -	24	\$ 4,405.68	12	\$ 1,770.12		\$ -		\$ -		\$ -		\$ -		\$ 6,175.80
Task 6 - Subtotal	0	\$ -	52	\$ 9,545.64	40	\$ 5,900.40	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ 15,446.04
Total:	0	\$ -	52	\$ 9,545.64	40	\$ 5,900.40	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ 15,446.04