ATTACHMENT VI – AMENDMENT TO AGREEMENTS FOR ENGINEERING SERVICES
Amendment No. 3

1. As set forth in the AGREEMENT FOR ENGINEERING SERVICES dated the 19th day of July, 2019 (effective date of Agreement) by and between the Incorporated County of Los Alamos, the OWNER, and Bohannan Huston, Inc., the ENGINEER, the OWNER and ENGINEER agree this 30 day of August, 2023 (effective date of Amendment) that ENGINEER shall modify the Agreement and furnish ENGINEERING SERVICES in accordance with the GENERAL PROVISIONS of the Agreement and OWNER shall compensate the ENGINEER for services described as set forth below:

A. Description of Modifications:
This amendment has been prepared as an additional services request for Task 06 (Engineering Support Services), Task 07 (Construction Management and Inspection), and Task 11 (Geotechnical Materials Testing)

B. Perform or provide the following tasks and/or deliverables:

See attached proposal letter dated August 3, 2023.

C. Cost Proposal – Include hourly breakdown for each task
See 8/3/2023 proposal Attachments A, B, and C.

D. Reimbursable Expense Schedule

See 8/3/2023 proposal Attachments A, B, and C.

E. Agreement Summary:

Original agreement amount:	$2,049,289.00
Net change for prior amendments:	$ 88,673.56
This amendment amount:	$ 411,041.60
Adjusted Agreement amount:	$2,549,004.16

F. Contract Time shall be 730 calendar days from the date of the OWNERS signature on Attachment VI. The services described in this amendment shall be completed and accepted by the OWNER by 07/30/2025 (DATE). If these services have not been completed and accepted by 07/30/2025 the ENGINEER shall pay the OWNER liquidated damages as outlined in the contract.

2.Signatures

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the date of the signature by the required approval authorities below.

By: _____ Date: _____

OWNER

Type Name Philo Shelton III

Title Manager, Department of Public Utilities, Incorporated County of Los Alamos

By: _____ Date: August 3, 2023

ENGINEER

Type Name Todd Burt

Title Senior Vice President

Address 7500 Jefferston Street NE

Albuquerque, NM 87109

_____

REVIEWED AND APPROVED: FUNDING AGENCY

AGENCY NAME: _____

By _____

Type Name_____

Date _____

Bohannan Huston

7500 Jefferson St. NE
Albuquerque, NM
87109-4335

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August 3, 2023

Philo S. Shelton
Manager, Department of Public Utilities
Incorporated County of Los Alamos
1000 Central Ave., Suite 130
Los Alamos, NM 87544

Re: Additional Services Request #3 for AGR19-47 Los Alamos County White Rock Wastewater Facility Project - Revised

Dear Mr. Shelton:

Bohannan Huston, Inc. (BHI) is currently assisting the Incorporated County of Los Alamos (County) with engineering support during the construction phase for the White Rock Water Resource Reclamation Facility (WRRF). BHI established the budget for this work during the initial contract execution with the County in 2019, and Additional Services Request (ASR) #1, approved by the County on 9/19/2022, extended the contract duration to July 30, 2025. This extension was due to current market conditions and delays in receiving equipment for the project. While BHI's original concepts have continued to hold into construction, BHI has identified the effort needed to provide engineering support to the County during construction at the same level of support requires an adjustment to the current contract amounts for Tasks 06, 07, and 11.

BHI has performed the following services since receiving Notice to Proceed for the construction phase:

- Managed the project, including coordination with the contractor and client (originally assumed to be 8 hours per month);
- Attended bi-weekly meetings (originally assumed to be monthly progress meetings);
- Reviewed 170 submittals (originally assumed 75 total submittals and 135 noted with ASR #2);
- Reviewed 61 RFIs (Originally assumed 30 total RFIs and 43 noted with ASR #2); and
- Issued 18 design revisions.

While the construction admin tasks noted above (within Task 06) have slowed on this project, BHI continues to receive requests from the Contractor, provide prompt responses to avoid Contractor delays, and provide clear direction when a question arises. BHI plans to continue providing the same level of service to the County until project completion.

In addition, an adjustment to the contract has not been made for the resident project representative (RPR) (Task 07) and geotechnical material testing (Task 11) for the extended duration of the project. These services include on-site inspection of the daily construction activities and documentation of the activities completed by the Contractor while the Inspector also serves as the Owner's Representative.

The Inspector also provides key communication between the County, Engineer, and Contractor. The geotechnical material testing allowance is used to provide quality assurance to the County that the Contractor has provided completed backfill procedures to the correct level, and materials (such as concrete) meet the requirements of the project specifications.

The table below summarizes the work completed to date, the remaining budget, and the estimated effort required to complete Tasks 06, 07, and 11 through the current substantial completion date (07/30/2025). This effort excludes site visits. Further discussion on the time extension and site visits by the Engineer will be needed. This table has been separated into each discipline to identify where the greatest impacts have been seen for this project.

Phase / Discipline	Current Budget	Effort to Date (as of 06/21/2023)	Effort Estimated to Complete Project (See Attachments)	Revised Total Budget	Requested Contract Change (excl NMGRT)
Task 06 - Engineering Support Services (Refer to Attachment A)					
PM/Civil	$93,034.06	$61,965.00	$89,690.00	$151,655.00	$58,620.94
Process / Elec / Mech	$135,537.00	$126,916.25	$49,770.00	$176,686.25	$41,149.25
Structural / Arch	$61,532.50	$51,584.99	$18,530.00	$70,114.99	$8,582.49
Task 06 Total	**$290,103.56**	**$240,466.24**	**$157,990.00**	**$398,456.24**	**$108,352.68**
Task 07 - Construction Management and Inspection (Refer to Attachment B)					
RPR (thru Phase 1)	$482,350.00	$404,977.77	$228,888.00	$633,865.77	$151,515.77
RPR (Phase 2)	$0.00	$0.00	$111,919.50	$111,919.50	$111,919.50
Task 07 Total	**$482,350.00**	**$404,977.77**	**$340,807.50**	**$745,785.27**	**$263,435.27**
Task 11 - Geotechnical Materials Testing (Refer to Attachment C)					
Material Testing	$65,000.00	$67,279.65	$36,974.00	$104,253.65	$39,253.65
Task 11 Total	**$65,000.00**	**$67,279.65**	**$36,974.00**	**$104,253.65**	**$39,253.65**
Total (Tasks 06, 07, and 11):	**$837,453.56**	**$712,723.66**	**$535,771.50**	**$1,248,495.16**	**$411,041.60**
				NMGRT @ 7.6250%	**$31,341.92**
				ASR #3 Total w/ NMGRT	**$442,383.52**

The amount requested in this ASR #3 is a lump sum fee of $411,041.60 (excluding NMGRT). With the approval of ASR #3, the total contract would be increased to $2,549,004.16 (excluding NMGRT).

We have very much enjoyed working with you and the Los Alamos County team and appreciate the opportunity to continue supporting the County through the construction of the White Rock Wastewater Facility project.

Sincerely,

Todd Burt, PE
Senior Vice President
Water and Wastewater Systems

TAB/ab
Enclosures

cc: Carolyn Pepin, BHI (w/encls.)
Clay Moseley, Los Alamos County (w/encls.)
James Alarid, Los Alamos County (w/encls.)

ATTACHMENT A

ENGINEERING SUPPORT SERVICES ADDITIONAL SERVICES FEE (Task 06)

Name of Project: White Rock WRRF Replacement
Client: Los Alamos County
Principal-in-Charge/ PM, Des. Eng: Todd Burt

Date of proposal: 8/3/2023
Prepared by: Todd Burt
Approved by: inits.

	Task / Activity	Engineer 7, PIC	Engineer 6, PE	Engineer 5	Engineer 4	Engineer 3	Engineer 2	Engineer 1	Engr Tech 5	Engr Tech 3	Admin Assist 6	Subconsultant (Architectural)	Subconsultant (Aqua Engineering)	Other Groups (Survey, Structures, Construction)	Reimbursable Expenses	Task Sub-Totals: Per-Hrs	Task Sub-Totals: Estimated Effort to Complete Task 08 (as of 06/21/2023)
	Hourly Rate:	$ 255	$ 230	$ 195	$ 170	$ 150	$ 130	$ 115	$ 135	$ 125	$ 110						
	TASK 6: ENGINEERING SUPPORT SERVICES DURING CONSTRUCTION (Still to be completed)	244	35		314	116	84		20	16	12	$ -	$ -	$ -	$ -	**841**	**$ 157,990**
	Engineering Support Services (Remaining Duration)																$ -
Civil	Bi-Weekly Teleconference Calls	30			30											60	$ 12,750
	Monthly Progress Meetings (incl. above)																$ -
	Project / Client Management (8 hours per month) and Contractor Coordination	112			104											216	$ 46,240
	Submittal Review/Approval (incl. CP's)	10			20		20									50	$ 8,550
	RFI Responses	10			20		20									50	$ 8,550
	Site Visits	32			32											64	$ 13,600
Structural / Architectural	CM Meetings / Site Visits		16		16		32									64	$ 10,560
	PM / Design Team Coordination		13													13	$ 2,990
	Submittal Review/Approval																$ -
	RFI Responses		6		12		12									30	$ 4,980
	Design Revisions																$ -
Process / Electrical / Mechanical	Bi-Weekly Teleconference Calls	2			16	28										46	$ 7,430
	Design Revisions				16	12					12					40	$ 5,840
	Project Management PM / Design / Contractor Coordination	24				28										52	$ 10,320
	Submittal Review/Approval	12			32	32										76	$ 13,300
	RFI Responses	12			16	16			8	4						56	$ 9,760
	Site Visits								12	12						24	$ 3,120
TOTAL HRS (Construction Phase Services):		**244**	**35**		**314**	**116**	**84**		**20**	**16**	**12**					**841**	**$ 157,990**
TOTAL ENGINEERING SUPPORT SERVICES COST:																	**$ 157,990**

Attachment B

ATTACHMENT B

June 21, 2023

COST ESTIMATE FOR CONSTRUCTION MANAGEMENT, AND INSPECTION FOR WHITE ROCK WWTP (TASK 07)

Assumptions:
Estimated Construction Cost **$ 13,000,000.00**

Construction Management and Inspection (LS)

		Effort (Hrs.)	Hourly Rate	Amount	Phase 1 Amount	Phase 2 Amount
Engineer 7 (PIC)	67.50	67.50	$ 240.00	$ 16,200.00	$ 10,880.00	$ 5,320.00
Engineer 4 (PM)	202.50	202.50	$ 155.00	$ 31,387.50	$ 21,080.00	$ 10,307.50
Construction Observer 5	2160.00	2160.00	$ 100.00	$ 216,000.00	$ 145,066.67	$ 70,933.33
Administrative Assistant 4	94.50	94.50	$ 105.00	$ 9,922.50	$ 6,664.00	$ 3,258.50
Mileage per month	0.00	13.50	$ 2,025.00	$ 27,337.50	$ 18,360.00	$ 8,977.50
Per diem	0.00	13.50	$ 2,960.00	$ 39,960.00	$ 26,837.33	$ 13,122.67
Subtotal - Construction Engineering and Inspection				**$ 340,807.50**	**$ 228,888.00**	**$ 111,919.50**
					$ -	$ -

Field and Materials Testing - BHI

		Effort (Hrs.)	Hourly Rate	Amount		
QA Field and Materials Testing				$ -	$ -	
Total - Field and Materials Testing	(allowance)			**$ -**		
Subtotal:				**$ 340,807.50**	$ 228,888.00	$ 111,919.50
Total:			Total (excl NMGRT)	**$ 340,807.50**		

ATTACHMENT C

Bohannan Huston
Field and Materials Testing Laboratory

June 28, 2023

White Rock WRRF Improvements (ASR)
White Rock, NM

Scope of Work
Estimated 12 weeks of required construction materials testing during total remaining project duration of 11 months.
Cost estimate based on the minimum testing requirements outlined in the Project Plans and Technical Specifications.

Description	Test Quantity	Unit	Unit Price	Total
Subgrade				
Soil Analysis: Proctor, Sieve Analysis, PI, Classification, Est. R-value	0	Each	$315.00	$0.00
Technician Time Sampling	0	Hour	$70.00	$0.00
Subgrade: Onsite Density/ Moisture Tests	0	Hour	$70.00	$0.00
			Subtotal	**$0.00**
Base Course				
Base Course: Proctor, Sieve Analysis, PI, Classification, Est. R-Value	0	Each	$315.00	$0.00
Technician Time Sampling	0	Hour	$70.00	$0.00
Base Course: Onsite Density/ Moisture Tests	0	Hour	$70.00	$0.00
			Subtotal	**$0.00**
Concrete Testing				
Technician Time Sampling; Slump, Air, Unit Weight	64	Hour	$70.00	$4,480.00
Concrete Compressive Strength Cylinders (4-in ht x 8-in dia, 6 per set)	192	Each	$20.00	$3,840.00
			Subtotal	**$8,320.00**
Hot Mix Asphalt				
Full Set Analysis: Max Unit Wt, Air Voids, Oil Content, Gradation	8	Each	$420.00	$3,360.00
Technician Time Sampling	8	Hour	$70.00	$560.00
Onsite Density Tests	8	Hour	$70.00	$560.00
Technician Time Coring (two-man crew)	6	Hour	$130.00	$780.00
			Subtotal	**$5,260.00**
Storm Drain & Erosion Control				
Soil Analysis: Proctor, Sieve Analysis, PI, Classification, Est. R-value	0	Each	$315.00	$0.00
Technician Time Sampling	0	Hour	$70.00	$0.00
Backfill Density/Moisture Tests	0	Hour	$70.00	$0.00
			Subtotal	**$0.00**
Sanitary Sewer				
Soil Analysis: Proctor, Sieve Analysis, PI, Classification, Est. R-value	0	Each	$315.00	$0.00
Technician Time Sampling	0	Hour	$70.00	$0.00
Backfill Density/Moisture Tests	0	Hour	$70.00	$0.00
			Subtotal	**$0.00**
Waterline				
Soil Analysis: Proctor, Sieve Analysis, PI, Classification, Est. R-Value	0	Each	$315.00	$0.00
Technician Time Sampling	0	Hour	$70.00	$0.00
Backfill Density/Moisture Tests	0	Hour	$70.00	$0.00
			Subtotal	**$0.00**
Travel Time, Mileage and PM				
Mileage 180 miles per day (Round Trip)	10800	Mile	$0.655	$7,074.00
Technician Travel Time (3 hr Round Trip)	180	Hour	$70.00	$12,600.00
			Subtotal	**$19,674.00**
Subtotal				$33,254.00
Administration and Reports	18	Hour	$130.00	$2,340.00
Management and Review	6	Hour	$230.00	$1,380.00
Estimated Grand Total (pre-tax)				$36,974.00