



# MEMORANDUM

Date: October 27, 2023

To: The Honorable Chair and Members  
Pima County Board of Supervisors

From: Jan Leshner   
County Administrator

Re: **Additional Information for the October 17, 2023 Board of Supervisor Meeting - Agenda Item No. 8 – Stantec Consulting Services Inc., Amendment No. 2**

The referenced item was continued from the Board of Supervisors Meeting on October 17, 2023, in order to receive information regarding a redacted section of the scope of work.

In May 2023, Stantec Consulting Services, Inc. submitted a change order request to Pima County for CT-FC-21-290 for three items: 1) to extend the contract term, 2) clarify the scope of services, and 3) increase budget. These changes are necessary in order to complete the Brawley Wash Watershed Plan. This project is 100 percent grant funded by the U.S. Department of Agriculture - Natural Resources Conservation Service (USDA-NRCS).

Due to delays with allocating funding from the USDA-NRCS, the County elected to separate out the change order request into two separate requests: 1) time extension and 2) scope and budget. The contract time extension was incorporated in Amendment No. 1, which was executed on July 1, 2023, to extend the term of the contract to June 30, 2025. Amendment No. 1 was within the Procurement Director’s authority for approval.

On September 26, 2023, the USDA-NRCS executed the planning grant amendment to increase the grant budget by \$230,957.91. The request for Contract Amendment No. 2 was able to be processed to increase the contract amount by that same amount. The paragraph related to the Time Extension was therefore struck from the Stantec amendment request since the extension was executed in Amendment No. 1 and is not applicable to Amendment No. 2. All other information contained in the request is applicable to Amendment No. 2 and is incorporated into the Contract as Exhibit B Attachment 1.

The unedited Exhibit B Attachment 1, stating the request for time extension is attached.

JKL/je

Attachment

- c: Carmine DeBonis, Jr., Deputy County Administrator
- Francisco García, MD, MPH, Deputy County Administrator & Chief Medical Officer
- Steve Holmes, Deputy County Administrator
- Eric Shepp, Director, Regional Flood Control District
- Terri Spencer, Director, Procurement Department

DCT 2723PM0228BPC CLK OF BD  
JML

**EXHIBIT B**

**ATTACHMENT 1**



**Stantec Consulting Services Inc.**  
One South Church Avenue, Suite 2100  
Tucson AZ 85701-1635

May 22, 2023

Project/File: 181301206

**Pima County Regional Flood Control District**

201 North Stone Avenue Suite 9  
Tucson, Arizona 85701

Dear Pima County Regional Flood Control District,

**Reference: Brawley Wash Watershed Plan-EA, CT-FC-21-290  
Change Order No.1**

Stantec Consulting Services Inc. (Stantec) respectfully submits this Change Order for your review and/or approval. The Change Order includes a request for an extension of time, clarification of the current Scope of Services and additional budget.

Time Extension

Stantec Consulting Services Inc. (Stantec) respectfully requests an extension of time for the above assignment. Currently, the project is set to end on June 30, 2023 and based on critical information necessary for the completion of this assignment Stantec requests an extension until June 30, 2025. The reason for this time extension request is due to multiple delays related to the hydraulic model being used to evaluate alternatives. Per the Scope of Services, the base hydraulic model to be used by this Plan EA is under development by others, separate from this study, and therefore its availability has not been under the control of the Natural Resource Conservation Service (NRCS), the District or Stantec.

Clarification of the Scope of Services

Prior to the onset of the hydraulic analysis phase of this assignment, it was determined that clarification of a portion of the Scope of Services was necessary. Based on discussions with District staff, NRCS and the Consultant Team, Stantec will evaluate alternatives during the 10- and 100-year recurrence events only. The 500-year event is not being considered for this study as there is a lack of critical infrastructure within the study limits or those facilities (e.g., CAVSARP) are already noted to be inundated during more frequent events (e.g., 10-year). More frequent events (e.g., 1- or 2-year storms) may demonstrate a benefit of the Natural Infrastructure for Dryland Streams alternative but would require additional analysis and modification of the hydraulic model and are not part of this Plan EA.

Additional Funding

As the hydraulic model used for this study is not under the control of the study's participants and that such a model has been revealed to be very complex (i.e., FLO-2D, seven large contiguous "domains"), additional effort involving coordination with model study contractor, as well as more complicated and time intensive hydraulic modeling for various alternatives determined by the Plan-EA team is required. For example, an alternative within a domain located within the upstream portion of the study area will need to be adjusted to incorporate the Plan-EA alternatives and will also require all downstream "domains" to be re-run to assess the benefit or disbenefit of each individual alternative for each individual storm type across the entire study area. Currently, there are five locations containing a total of eight alternatives and two storms for a total of

Reference: **Brawley Wash Watershed Plan-EA, CT-FC-21-290**

approximately 80 domain “executions”. This increased level of effort was not known or could have been anticipated at the onset of this Plan EA study as the model was still under development at that time. In an effort, to minimize additional funding, Stantec will present a single case study whereby one of the more common alternatives will be evaluated at only one of the noted problem areas (i.e., Problem Area No.1 – Buckelew West, during the 10-yr event). It is believed that this demonstration will reveal there is no significant benefit to said alternative (i.e., Natural Infrastructure for Dryland Systems) during less frequent events (e.g., 100-yr) and that evaluation of other locations using the same technique will offer similar results.

An alternative to the above approach (i.e., developing a new hydrologic and hydraulic model) was considered but the estimated effort and additional time required to accomplish such an approach was found to require additional time and effort beyond the recommended approach as stated above.

If you have any questions regarding this request, please feel free to contact me or Joe Alwin (520-545-7440).

Sincerely,

**STANTEC CONSULTING SERVICES INC.**



**Jon Keeling, PE**  
Principal  
Phone: (859) 422-3054  
jon.keeling@stantec.com



**Joseph M. Alwin, PE**  
Senior Project Engineer  
Phone: (520) 750-7474  
joe.alwin@stantec.com

Attachment: Financial Accounting and Reporting (FAR, 2023)  
Manhour back-up worksheets

**Brawley Wash Watershed Plan-EA**  
**Contract No. : SFQ-PO-2100003**

**Consultant: Stantec Consulting Services Inc.**

**Role: Prime Consultant**

**Date: 22-May-23**

**Change Order No.1**

Brawley Wash Watershed Plan - Environmental Assessment

22-May-23

SFQ-PO-2100003

FEE PROPOSAL Part 1 - Additional Cost w/Updated Rates for Remaining Labor Cost Original Budget for FY2024 and FY2025

DIRECT LABOR						
Labor Classification	Man Hours	Hourly Rates (Original)	Labor Cost (Original)	Hourly Rates (Updated)	Labor Cost (Updated)	Additional Labor Cost
Principal	111	\$ 88.15	\$ 9,784.65	\$ 88.15	\$ 9,784.65	\$ -
Senior Project Manager	0	\$ 88.15	\$ -	\$ 88.15	\$ -	\$ -
QAQC Manager	9	\$ 77.73	\$ 699.57	\$ 77.73	\$ 699.57	\$ -
Project Manager	26	\$ 77.73	\$ 2,020.98	\$ 77.73	\$ 2,020.98	\$ -
Senior Engineer	22	\$ 77.73	\$ 1,671.20	\$ 77.73	\$ 1,671.20	\$ -
Project Engineer	140	\$ 64.64	\$ 9,017.28	\$ 64.64	\$ 9,017.28	\$ -
Senior Structural Engineer	0	\$ 79.54	\$ -	\$ 79.54	\$ -	\$ -
Structural Engineer	0	\$ 51.41	\$ -	\$ 51.41	\$ -	\$ -
Structural EIT	0	\$ 36.33	\$ -	\$ 36.33	\$ -	\$ -
Engineer	0	\$ 49.52	\$ -	\$ 49.52	\$ -	\$ -
<b>Junior Engineer</b>	90	\$ 41.58	\$ 3,721.41	\$ 47.05	\$ 4,210.98	\$ 489.57
Engineer In Training	0	\$ 36.33	\$ -	\$ 38.85	\$ -	\$ -
Senior Agricultural Engineer	2	\$ 65.00	\$ 130.00	\$ 65.00	\$ 130.00	\$ -
Agricultural Engineer	0	\$ 49.52	\$ -	\$ 49.52	\$ -	\$ -
<b>Technician/Designer</b>	0	\$ 41.86	\$ -	\$ 49.34	\$ -	\$ -
CADD	0	\$ 40.65	\$ -	\$ 40.65	\$ -	\$ -
GIS Specialist	36	\$ 40.65	\$ 1,473.59	\$ 40.65	\$ 1,473.59	\$ -
<b>GIS Technician (added labor classification)</b>	0	n/a	\$ -	\$ 31.86	\$ -	\$ -
<b>Engineering Intern</b>	65	\$ 20.01	\$ 1,293.84	\$ 24.00	\$ 1,551.83	\$ 257.99
Secretary/Clerical	0	\$ 29.93	\$ -	\$ 29.93	\$ -	\$ -
Peer/Independent Review	19	\$ 77.73	\$ 1,476.87	\$ 77.73	\$ 1,476.87	\$ -
Survey Manager	0	\$ 65.00	\$ -	\$ 65.00	\$ -	\$ -
Survey Crew (1 man/GPS)	0	\$ 42.00	\$ -	\$ 42.00	\$ -	\$ -
Survey Crew (2 man/GPS)	0	\$ 58.00	\$ -	\$ 58.00	\$ -	\$ -

518.4

Consultant's Subtotal Direct Labor	\$ 747.56	Jul-2023 thru Jun-2025
Updated Consultant's Overhead @ <u>165.248%</u> of Direct Labor	\$ 1,235.32	
Consultant's Profit @ <u>8.0%</u> of Direct Labor plus Overhead	\$ 158.63	
<b>Consultant's Total Direct Labor</b>	<b>\$ 2,141.51</b>	

**Brawley Wash Watershed Plan - Environmental Assessment**

22-May-23

SFQ-PO-2100003

FEE PROPOSAL Part 2 - Additional Budget Request - Project Administration FY2024 and FY2025				
Stantec Consulting Services Inc.				
DIRECT LABOR				
Labor Classification	Man Hours	Hourly Rates (Original)	Hourly Rates (Updated)	Additional Labor Cost w/Updated Rates
Principal	60	\$ 88.15	\$ 88.15	\$ 5,289.00
Senior Project Manager	0	\$ 88.15	\$ 88.15	\$ -
QAQC Manager	24	\$ 77.73	\$ 77.73	\$ 1,865.52
Project Manager	0	\$ 77.73	\$ 77.73	\$ -
Senior Engineer	72	\$ 77.73	\$ 77.73	\$ 5,596.56
Project Engineer	0	\$ 64.64	\$ 64.64	\$ -
Senior Structural Engineer	0	\$ 79.54	\$ 79.54	\$ -
Structural Engineer	0	\$ 51.41	\$ 51.41	\$ -
Structural EIT	0	\$ 36.33	\$ 36.33	\$ -
Engineer	0	\$ 49.52	\$ 49.52	\$ -
Junior Engineer	0	\$ 41.58	\$ 47.05	\$ -
Engineer In Training	0	\$ 36.33	\$ 38.85	\$ -
Senior Agricultural Engineer	0	\$ 65.00	\$ 65.00	\$ -
Agricultural Engineer	0	\$ 49.52	\$ 49.52	\$ -
Technician/Designer	0	\$ 41.86	\$ 49.34	\$ -
CADD	0	\$ 40.65	\$ 40.65	\$ -
GIS Specialist	0	\$ 40.65	\$ 40.65	\$ -
Engineering Intern	0	\$ 20.01	\$ 24.00	\$ -
Secretary/Clerical	0	\$ 29.93	\$ 29.93	\$ -
Peer/Independent Review	0	\$ 77.73	\$ 77.73	\$ -
Survey Manager	0	\$ 65.00	\$ 65.00	\$ -
Survey Crew (1 man/GPS)	0	\$ 42.00	\$ 42.00	\$ -
Survey Crew (2 man/GPS)	0	\$ 58.00	\$ 58.00	\$ -

156.0

	Consultant's Subtotal Direct Labor	\$ 12,751.08
	Updated Consultant's Overhead @ <u>165.248%</u> of Direct Labor	\$ 21,070.90
	Consultant's Profit @ <u>8.0%</u> of Direct Labor plus Overhead	\$ 2,705.76
	<b>Consultant's Total Direct Labor</b>	<b>\$ 36,527.74</b>

**Brawley Wash Watershed Plan - Environmental Assessment**  
**22-May-23 SFQ-PO-2100003**

**FEE SUMMARY - Page 1 of 2**

**Subconsultant(s)**

<b>Name of Subconsultant</b>	<b>Task</b>	<b>Total Cost</b>
Gannett Fleming	Economics/Geology	\$ 21,032.21
SWCA, Inc	Environmental/Cultural/Social	\$ -
Tim Sweeny	NRCS Compliance Manager	\$ -
CMG Drainage, Inc.	Hydraulics/2D Modeling	\$ 150,790.39
Wilder Landscape Architects, Inc.	Landscape Resources	\$ -
QuietCreek	GIS/Geospatial Analyses	\$ -
Gordley Group	Public Involvement	\$ -

**Total Subconsultant(s) without Additional Services \$ 171,822.60**

**Stantec Total Labor \$ 38,669.25**

**Stantec's Total Direct and Outside Expenses \$ -**

**Stantec Total: \$ 38,669.25**

**Stantec's Totals of Labor and Direct and Outside Expenses without Optional Task(s) \$ 38,669.25**

**Stantec's Existing Unused Budget on Completed Tasks (apply to remaining tasks - see detailed breakdown of budget used as offset on page 2 of FEE SUMMARY) \$ (4,533.94)**

**Stantec's Revised Totals of Labor and Direct and Outside Expenses without Optional Task(s) \$ 34,135.31**

**Stantec's PROPOSED FEE for Increased Budget for Task 5 Additional Services (Optional Task) \$ 25,000.00**

**Stantec's Total PROPOSED FEE \$ 59,135.31**

**A. TOTAL PROPOSED FEE without Optional Task(s) \$ 205,957.91**

**B. TOTAL OF ADDITIONAL SERVICES (TASK 5) \$ 25,000.00**

**C. TOTAL PROPOSED FEE \$ 230,957.91**

**Note - see page 2 of FEE SUMMARY for breakdown comparison of original project budgets to proposed budget changes**

**Stantec Consulting Services Inc.**

Firm



Signature: Jon Keeling, PE

Title: Senior Principal

19-May-23

Date



**Brawley Wash Watershed Plan - Environmental Assessment**  
**22-May-23 SFQ-PO-2100003**

**FEE SUMMARY - Page 2 of 2**

**Detailed Breakdown of Unused Task Budgets (Tasks are considered complete at this time)**

<b>Task Number</b>	<b>Task Name</b>	<b>Unused Budget Remaining</b>
101.101	Identify Problems, Opportunities and Concerns	\$ 264.85
101.103	Data Collection/Literature Review	\$ (1,709.93)
101.105	Determine Objectives	\$ 2,864.60
101.106	Inventory of Resources of Concern	\$ 12,155.22
201.201	Formulate Alternatives and Workshops	\$ 1,836.11
400.4	Project Administration (Original Agreement budget)	\$ (10,876.91)

\*Note - all budgets shown are as of invoicing through April 30, 2023

**Total Unused Task Budget (for tasks considered complete) \$ 4,533.94**

**Total above to be used as a partial offset to the additional Project Budget Request shown on Page 1 of the FEE SUMMARY**

**Comparison of Original Task Budgets and Proposed Budgets with this Change Order**

<b>Task Number</b>	<b>Task Name</b>	<b>Original Task Budget</b>	<b>Proposed Task Budget</b>	<b>Difference</b>
101.101	Identify Problems, Opportunities and Concerns	\$ 6,977.43	\$ 6,712.58	\$ (264.85)
101.102	Public Involvement	\$ 16,596.43	\$ 16,718.86	\$ 122.43
101.103	Data Collection/Literature Review	\$ 8,254.33	\$ 9,964.26	\$ 1,709.93
101.104	Field Reconnaissance of Watershed	\$ 23,102.40	\$ 23,272.14	\$ 169.74
101.105	Determine Objectives	\$ 9,453.44	\$ 6,588.84	\$ (2,864.60)
101.106	Inventory Resources of Concern	\$ 31,735.68	\$ 19,580.46	\$ (12,155.22)
101.107	Analyze Resource Data	\$ 30,731.04	\$ 30,919.08	\$ 188.04
201.201	Formulate Alternatives and Workshops	\$ 35,700.71	\$ 33,864.60	\$ (1,836.11)
201.202	Evaluate Alternatives	\$ 24,273.05	\$ 24,617.46	\$ 344.41
201.203	Make Decisions	\$ 56,427.24	\$ 57,744.14	\$ 1,316.90
300.300	Stakeholder Involvement	\$ 9,495.16	\$ 9,495.16	\$ -
400.400	Project Administration	\$ 34,424.22	\$ 81,828.87	\$ 47,404.65
500.000	Task 5 Additional/Optional Services (remaining from original \$35,000)	\$ 3,059.51	\$ 28,059.51	\$ 25,000.00
500.001	Optional No. 1 - Social Pinpoint	\$ 5,534.35	\$ 5,534.35	\$ -
500.002	Optional No. 2 - Project Administration (FY2023)	\$ 24,656.14	\$ 24,656.14	\$ -
500.003	Optional No. 3 - Additional Quiet Creek Work	\$ 1,750.00	\$ 1,750.00	\$ -
700	Gannett Fleming	\$ 81,953.91	\$ 102,986.12	\$ 21,032.21
701	SWCA	\$ 138,773.04	\$ 138,773.04	\$ -
702	Gordley Group	\$ 54,432.60	\$ 54,432.60	\$ -
703	Wilder Landscape Architects	\$ 46,564.25	\$ 46,564.25	\$ -
704	CMG Drainage	\$ 51,184.55	\$ 201,974.94	\$ 150,790.39
705	Quiet Creek	\$ 14,975.00	\$ 14,975.00	\$ -
706	Tim Sweeney	\$ 16,720.00	\$ 16,720.00	\$ -
900	Expenses	\$ 17,720.00	\$ 17,720.00	\$ -

Total Budgets: \$ 744,494.48 \$ 975,452.39 \$ 230,957.91

Stantec Budgets: \$ 322,171.13 \$ 381,306.44 \$ 59,135.31



Stantec Consulting Services Inc.																						
Task	TASK DESCRIPTION	Principal	Senior PM	QAQC Manager	Project Manager	Senior Engineer	Project Engineer	Senior Structural Engineer	Structural Engineer	Structural EIT	Engineer	Junior Engineer	Engineer in Training	Senior Agricultural Engineer	Agricultural Engineer	Technician / Designer	CADD	GIS Specialist	Engineering Intern	Secretary / Clerical	Peer / Independent Reviewer	Stanlec Total
4.0	<b>PROJECT ADMINISTRATION (NEW BUDGET REQUEST)</b>	60	0	24	0	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	156
	Progress Reports and Invoicing	24																				24
	Project Schedule	12																				12
	Meetings (for FY2024 and FY2025)																					0
	Project Kick Off Meeting (conduct and prep)																					0
	Monthly Meetings (24 total conduct and prep)	24		24		72																120
	Draft QAQC Plan																					0
	Prepare Response to Review Comments/Comment Resolution Mtg																					0
	Final QAQC Plan																					0
	<b>Total Hours without Optionals</b>	60	0	24	0	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	156
	Bill Rates	\$ 88.15	\$ 88.15	\$ 77.73	\$ 77.73	\$ 77.73	\$ 64.64	\$ 79.54	\$ 51.41	\$ 36.33	\$ 49.52	\$ 47.05	\$ 38.85	\$ 65.00	\$ 49.52	\$ 49.34	\$ 40.65	\$ 40.65	\$ 24.00	\$ 29.93	\$ 77.73	
	Direct Labor Subtotal	\$ 5,289.00	\$ -	\$ 1,865.52	\$ -	\$ 5,596.56	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,751.08
	Overhead	\$ 8,739.97	\$ -	\$ 3,082.73	\$ -	\$ 9,248.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,070.90
	Profit	\$ 1,122.32	\$ -	\$ 395.86	\$ -	\$ 1,187.58	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,705.76
	Total Labor	\$ 15,151.28	\$ -	\$ 5,344.11	\$ -	\$ 16,032.34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,527.74
	Direct Expenses																					\$ -
	<b>Total Stanlec Costs</b>	\$ 15,151.28	\$ -	\$ 5,344.11	\$ -	\$ 16,032.34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,527.74

**Brawley Wash Watershed Plan - Environmental Assessment**  
**5/22/2023** **SFQ-PO-2100003**

<b>Stantec Consulting Services Inc.</b>				
	Unit Price		Quantity	Amount
B&W Copies 8 1/2 x 11	\$ 0.06	each	0	\$ -
Color Copies 8 1/2 x 11	\$ 0.25	each	0	\$ -
B&W Copies 11 x 17	\$ 0.13	each	0	\$ -
Color Copies 11 x 17	\$ 0.50	each	0	\$ -
Large B&W Plots	\$ 0.10	sq ft	0	\$ -
Large Color Plots	\$ 2.50	sq ft	0	\$ -
Binding Spiral	\$ 3.50	each	0	\$ -
Binding 3-Ring	\$ 8.50	each	0	\$ -
Report Pockets	\$ 0.48	each	0	\$ -
DVDs	\$ 4.00	each	0	\$ -
Thumb Drives (256 GB)	\$ 39.00	each	0	\$ -
Misc. Special Printing/Supplies/Delivery	\$ 500.00	job	0	\$ -
				\$ -
Hotel	\$ 100.00	night	0	\$ -
Per Diem/Incidentals	\$ 49.00	day	0	\$ -
Mileage	\$ 0.45	mile	0	\$ -
Rental Vehicle (SUV/Truck)	\$ 45.00	day	0	\$ -
Rental Vehicle Gas (assume \$3/gal)	\$ 3.00	gal	0	\$ -
<b>Direct and Outside Expenses</b>				<b>\$ -</b>

## Brawley Wash Watershed Plan - Environmental Assessment

20-Apr-23

FEE PROPOSAL			
Gannett Fleming, Inc.			
DIRECT LABOR			
Labor Classification	Man Hours	Hourly Rates	Labor Cost
Project Principal	4	\$ 88.00	\$ 352.00
Principal Economist	44	\$ 62.70	\$ 2,758.80
Senior Economist	48	\$ 54.50	\$ 2,616.00
GIS analyst	48	\$ 38.60	\$ 1,852.80
Labor Category 5	0	\$ 1.00	\$ -
Labor Category 6	0	\$ 1.00	\$ -
Labor Category 7	0	\$ 1.00	\$ -
Labor Category 8	0	\$ 1.00	\$ -
Labor Category 9	0	\$ 1.00	\$ -
Labor Category 10	0	\$ 1.00	\$ -
Labor Category 11	0	\$ 1.00	\$ -
Labor Category 12	0	\$ 1.00	\$ -
Labor Category 13	0	\$ 1.00	\$ -
Labor Category 14	0	\$ 1.00	\$ -
Labor Category 15	0	\$ 1.00	\$ -
Labor Category 16	0	\$ 1.00	\$ -
Labor Category 17	0	\$ 1.00	\$ -
Labor Category 18	0	\$ 1.00	\$ -
Labor Category 19	0	\$ 1.00	\$ -
Labor Category 20	0	\$ 1.00	\$ -
Labor Category 21	0	\$ 1.00	\$ -
Labor Category 22	0	\$ 1.00	\$ -
Labor Category 23	0	\$ 1.00	\$ -
	144.0		

	144.0		
Consultant's Subtotal Direct Labor	\$		7,579.60
Consultant's Overhead @ <u>156.93%</u> of Direct Labor	\$		11,894.67
Consultant's Profit @ <u>8.0%</u> of Direct Labor plus Overhead	\$		1,557.94
<b>Consultant's Total Direct Labor</b>	<b>\$</b>		<b>21,032.21</b>

Brawley Wash Watershed Plan - Environmental Assessment

20-Apr-23

insert labor category

Gannett Fleming, Inc.																										
Task	TASK DESCRIPTION	Project Principal	Principal Economist	Senior Economist	GIS Analyst	Labor Cat 5	Labor Cat 6	Labor Cat 7	Labor Cat 8	Labor Cat 9	Labor Cat 10	Labor Cat 11	Labor Cat 12	Labor Cat 13	Labor Cat 14	Labor Cat 15	Labor Cat 16	Labor Cat 17	Labor Cat 18	Labor Cat 19	Labor Cat 20	Labor Cat 21	Labor Cat 22	Labor Cat 23	Stanlec Total	
2.0	FORMULATE AND EVALUATE ALTERNATIVES/RECOMMENDED PLAN AND WRITE PLAN/EA	2	16	48	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	
2	Evaluate Alternatives																								0	
	Economic analysis of alternatives studied in detail	2	8	32	32																				74	
	Hydraulics analyses of Alternatives studied in detail																								0	
	Environmental consequences of recommended actions																								0	
	Effects on human environment of recommended actions																								0	
	Compare Alternatives to FWOH																								0	
	Determining if any actions create any precedents																								0	
	Identification of risk and uncertainty of effects																								0	
	Identification of major environmental conflicts resolved																								0	
	Identification of adverse environmental effects that cannot be avoided																								0	
	Determine potential for effect controversy																								0	
	Conflicts between federal, state, local and tribal: Policies, laws and objectives																								0	
3	MAKE DECISIONS																								0	
	Alternative Selection Workshop (1/2 day) prepare and conduct																								0	
	Draft Alternatives Selection Memorandum																								0	
	Prepare Response to Review Comments/Comment Resolution Mtg																								0	
	Final Alternatives Selection Memorandum																								0	
A	Prep and Submit Draft Prelim Plan-EA Report for District/NRCS AZ Review (1st submittal)		8	16	16																				40	
	Prepare Response to Review Comments/Comment Resolution Mtg																								0	
	Prep and Submit Draft Prelim Plan-EA Report for District/NRCS AZ Review (2nd submittal)																								0	
	Prepare Response to Review Comments/Comment Resolution Mtg-Revise Report																								0	
B	Prep and Submit Prelim Plan-EA Report to District/NRCS NWMC (1st submittal)																								0	
	Prepare Response to Review Comments/Comment Resolution Mtg																								0	
	Prep and Submit Prelim Plan-EA Report to District/NRCS AZ (2nd submittal)																								0	
C	Prep and Submit Draft Plan-EA to District/NRCS HQ (1st submittal)																								0	
	Prepare Response to Review Comments/Comment Resolution Mtg																								0	
D	Prep and Submit Draft Plan-EA to District/Public/Agency																								0	
	Prepare Response to Review Comments/Comment Resolution Mtg																								0	
E	Prep and Submit Draft Final Plan-EA to District/NRCS HQ (1st submittal)																								0	
	Prepare Response to Review Comments/Comment Resolution Mtg																								0	
F	Prep and Submit Final Plan-EA to District/NRCS																								0	
4.0	PROJECT ADMINISTRATION	2	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	
	Progress Reports and Invoicing	2	12																						14	
	Project Schedule		2																						2	
	Meetings																								0	
	Project Kick Off Meeting (conduct and prep)																								0	
	Monthly Meetings		12																						12	
	Draft QAQC Plan																								0	
	Prepare Response to Review Comments/Comment Resolution Mtg		2																						2	
	Final QAQC Plan																								0	
	<b>Total Hours without Optionals</b>	<b>4</b>	<b>44</b>	<b>48</b>	<b>48</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>144</b>	
	Bill Rates	\$ 88.00	\$ 62.70	\$ 54.50	\$ 38.60	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	
	Direct Labor Subtotal	\$ 352.00	\$ 2,758.80	\$ 2,616.00	\$ 1,852.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,579.60
	Overhead	\$ 552.39	\$ 4,329.38	\$ 4,105.29	\$ 2,907.60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,894.67
	Profit	\$ 72.35	\$ 567.05	\$ 537.70	\$ 380.83	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,557.94
	Total Labor	\$ 976.75	\$ 7,655.24	\$ 7,258.99	\$ 5,141.23	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	21,032.21
	Direct Expenses																									\$ -
	<b>Total Stanlec Costs</b>	<b>\$ 976.75</b>	<b>\$ 7,655.24</b>	<b>\$ 7,258.99</b>	<b>\$ 5,141.23</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 21,032.21</b>

**Brawley Wash Watershed Plan - Environmental Assessment**

May 1, 2023

**SFQ-PO-2100003**

<b>FEE PROPOSAL</b>			
<b>CMG DRAINAGE ENGINEERING, INC.</b>			
<b>DIRECT LABOR</b>			
<b>Labor Classification</b>	<b>Man Hours</b>	<b>Hourly Rates</b>	<b>Labor Cost</b>
Project Principal	80	\$ 63.03	\$ 5,042.40
Project Manager	313	\$ 56.72	\$ 17,753.36
Sr. Project Engineer/Hydrologist	240	\$ 50.42	\$ 12,100.80
Project Engineer / Hydrologist	200	\$ 43.69	\$ 8,738.00
Designer	250	\$ 38.23	\$ 9,557.50
CADD Technician	250	\$ 32.77	\$ 8,192.50
Clerical / Administration	0	\$ 23.95	\$ -

1333.0

Cost Escallation	<u>3.0%</u>		<b>Jul-2023 thru Jun-2025</b>
		Consultant's Subtotal Direct Labor	\$ 61,384.56
		Consultant's Overhead @ <u>127.00%</u> of Direct Labor	\$ 77,958.39
Consultant's Profit @	<u>8.0%</u>	of Direct Labor plus Overhead	\$ 11,147.44
		<b>Consultant's Total Direct Labor</b>	<b>\$ 150,490.39</b>

**Brawley Wash Watershed Plan - Environmental Assessment**

December 22, 2020

**SFQ-PO-2100003**

<b>CMG DRAINAGE ENGINEERING, INC.</b>				
	<b>Unit Price</b>		<b>Quantity</b>	<b>Amount</b>
B&W Copies 8 1/2 x 11	\$ 0.15	each	300	\$ 45.00
Color Copies 8 1/2 x 11	\$ 0.15	each	300	\$ 45.00
B&W Copies 11 x 17	\$ 0.30	each	300	\$ 90.00
Color Copies 11 x 17	\$ 0.30	each	400	\$ 120.00
Large B&W Plots	\$ 1.00	sq ft	0	\$ -
Large Color Plots	\$ 1.00	sq ft	0	\$ -
Binding Spiral	\$ 1.00	each	0	\$ -
Binding 3-Ring	\$ 1.00	each	0	\$ -
Report Pockets	\$ 1.00	each	0	\$ -
DVDs	\$ 1.00	each	0	\$ -
Thumb Drives (256 GB)	\$ 1.00	each	0	\$ -
Misc. Special Printing/Supplies/Delivery	\$ 1.00	each	0	\$ -
				\$ -
Hotel	\$ 100.00	night	0	\$ -
Per Diem/Incidentals	\$ 49.00	day	0	\$ -
Mileage	\$ 0.45	mile	0	\$ -
Rental Vehicle (SUV/Truck)	\$ 1.00	day	0	\$ -
Rental Vehicle Gas (assume \$3/gal)	\$ 3.00	gal	0	\$ -
<b>Direct and Outside Expenses</b>				<b>\$ 300.00</b>



**CMG DRAINAGE ENGINEERING, INC.**

Task	TASK DESCRIPTION	Project Principal	Project Manager	Sr Project Engineer / Hydrologist	Project Engineer / Hydrologist	Designer	CADD Technician	Clerical / Administration	CMG Total
<b>1.0</b>	<b>IDENTIFY PROBLEMS, DETERMINE OBJECTIVES INVENTORY RESOURCES AND ANALYSES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1	<b>Identify Problems, Opportunities and Concerns</b>								
2	<b>Public Involvement</b>								0
	Draft Public Involvement Outline								0
	Prepare Response to Review Comments								0
	Draft Final Public Involvement Outlet								0
	Tweleve Undefined Informational Meetings (1.5hr each)								0
	Fact Sheet								0
	Public Meeting No. 1								0
	Public Meeting No. 2								0
3	<b>Data Collection/Literature Review - District and NRCS</b>								0
	Draft Data Collection Memorandum								0
	Prepare Respond to Review Comments								0
	Final Data Collection Memorandum								0
	Identification of Data Gaps								0
4	<b>Field Reconnaissance of Watershed</b>								0
	District Facilitated Site Visits (3) 1-day each								0
	Consultant site visits (6) 1/2 day each								0
5	<b>Determine Objectives</b>								0
6	<b>Inventory of Resources of Concern</b>								0
	Listing of Data Sources								0
	Collection of Data for Resouces of Concern								0
	Air quality								0
	Ecological critical areas								0
	Identify floodplains, flooding issues, drainage complaints, documented sedimentation and erosion issues and documented historic flood data								0
	Croplands: Prime, Unique and Highly erodible (these are assumed to be provided by NRCS in the form of shapefiles)								0
	Invasive species								0
	Land use and crop inventory data								0
	Migratory birds								0
	Natural areas, parklands, scenic areas, riparian areas								0
	Range health data (to be provided by local resources – farmers, ranchers, NRCS, etc.)								0
	Soils inventory data (NRCS soils mapping)								0

**CMG DRAINAGE ENGINEERING, INC.**

Task	TASK DESCRIPTION	Project Principal	Project Manager	Sr Project Engineer / Hydrologist	Project Engineer / Hydrologist	Designer	CADD Technician	Clerical / Administration	CMG Total
	Threatened and endangered species, upland wildlife species								0
	Water bodies, lakes and streams								0
	Water quality and quantity data (surface and groundwater)								0
	Locate and identify wetlands and identify wetland wildlife species								0
	Social/Population demographics								0
	Identify effects to public health and safety								0
	Identify effects to homes, businesses, and agricultural operations								0
	Identify visual concerns								0
	Collect economic data								0
	Identify non-NEPA laws related to project area								0
	Identify approved regional water resource plans in project area (groundwater recharge facilities)								0
	Consultation with SHPO, State Archeologist, Tribes								0
	Conduct cultural resources surveys of project area – Phase I survey								0
	Collect available topographic mapping								0
	Collect and review available geologic, seismic, subsidence information								0
	Special Environmental Concerns								0
	Infrastructure and Land Ownerships								0
7	<b>Analyze Resource Data</b>								0
	Conduct Resource Analyses								0
	Field Office Technical Guides (FOTG)								0
	Prepare Maps (GIS, exhibits)								0
	Review flooding, erosion, sedimentation causes								0
	Resource Causes and Conditions								0
	Endangered species act resources evaluation								0
	Document Analyses/Draft EA Affected Environment								0
	Statement of Objectives								0
	Determine Level of EE - EA or EIS								0
2.0	<b>FORMULATE AND EVALUATE ALTERNATIVES/RECOMMENDED PLAN AND WRITE PLAN/EA</b>	80	273	240	200	250	250	0	1,293
1	<b>Formulate Alternatives and Workshops</b>								0
	Prepare Toolbox for Developing Alternatives								0
	Prepare Initial List of Alternatives - description								0
	Prepare short description/exhibit of Initial List								0
	Alternatives Workshop - Prepare and Conduct								0
	Revised Initial List of Alternatives - description/exhibit/costs								0

**CMG DRAINAGE ENGINEERING, INC.**

Task	TASK DESCRIPTION	Project Principal	Project Manager	Sr Project Engineer / Hydrologist	Project Engineer / Hydrologist	Designer	CADD Technician	Clerical / Administration	CMG Total
	Develop Alternative Ranking and Screening Approach/Method								0
	Feasibility Workshop - Prepare and Conduct								0
	Preliminary Draft Alternatives Memorandum								0
	Prepare Response to Review Comments								0
	Final Alternatives Memorandum								0
<b>2</b>	<b>Evaluate Alternatives</b>								0
	Economic analysis of alternatives studied in detail								0
	Hydraulics analyses of Alternatives studied in detail	80	273	240	200	250	250		1293
	Environmental consequences of recommended actions								0
	Effects on human environment of recommended actions								0
	Compare Alternatives to FWOFI								0
	Determining if any actions create any precedents								0
	Identification of risk and uncertainty of effects								0
	Identification of major environmental conflicts resolved								0
	Identification of adverse environmental effects that cannot be avoided								0
	Determine potential for effect controversy								0
	Conflicts between Federal, State, Local and Tribal: Policies, laws and objectives								0
<b>3</b>	<b>MAKE DECISIONS</b>								0
	Alternative Selection Workshop (1/2 day) prepare and conduct								0
	Draft Alternatives Selection Memorandum								0
	Prepare Response to Review Comments/Comment Resolution Mtg								0
	Final Alternatives Selection Memorandum								0
A	Prep and Submit Draft Prelim Plan-EA Report for District/NRCS AZ Review (1st submittal)								0
	Prepare Response to Review Comments/Comment Resolution Mtg								0
	Prep and Submit Draft Prelim Plan-EA Report for District/NRCS AZ Review (2nd submittal)								0
	Prepare Response to Review Comments/Comment Resolution Mtg-Revise Report								0
B	Prep and Submit Prelim Plan-EA Report to District/NRCS NWMC (1st submittal)								0
	Prepare Response to Review Comments/Comment Resolution Mtg								0
	Prep and Submit Prelim Plan-EA Report to District/NRCS Az (2nd submittal)								0

**CMG DRAINAGE ENGINEERING, INC.**

Task	TASK DESCRIPTION	Project Principal	Project Manager	Sr Project Engineer / Hydrologist	Project Engineer / Hydrologist	Designer	CADD Technician	Clerical / Administration	CMG Total
C	Prep and Submit Draft Plan-EA to District/NRCS HQ (1st submittal)								0
	Prepare Response to Review Comments/Comment Resolution Mtg								0
D	Prep and Submit Draft Plan-EA to District/Public/Agency)								0
	Prepare Response to Review Comments/Comment Resolution Mtg								0
E	Prep and Submit Draft Final Plan-EA to District/NRCS HQ (1st submittal)								0
	Prepare Response to Review Comments/Comment Resolution Mtg								0
F	Prep and Submit Final Plan-EA to District/NRCS)								0
<b>3.0</b>	<b>STAKEHOLDER INVOLVEMENT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	Pima County Departments								0
	Tucson Water								0
	Town of Marana								0
	Altar Valley Conservation Alliance								0
	Arizona State Land Department								0
	Pima Natural Resources Conservation District								0
	Arizona Fish and Game								0
	Central Arizona Project								0
	Coalition for Sonoran Desert Protection								0
	Community Water Coalition								0
	Pima Association of Governments								0
	Sonoran Institute								0
	Tucson Audubon								0
	Tohono O'odham Nation								0
	BKW Farms								0
	Boa Sorte								0
	Avra Valley Wildlife Connectivity Working Group								0
<b>4.0</b>	<b>PROJECT ADMINISTRATION</b>	<b>0</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>
	Progress Reports and Invoicing		22						22
	Project Schedule								0
	Meetings								0
	Project Kick Off Meeting (conduct and prep)								0
	Monthly Meetings (9 total conduct and prep)		18						18
	Draft QAQC Plan								0
	Prepare Response to Review Comments/Comment Resolution Mtg								0
	Final QAQC Plan								0
	<b>Total Hours without Optionals</b>	<b>80</b>	<b>313</b>	<b>240</b>	<b>200</b>	<b>250</b>	<b>250</b>	<b>0</b>	<b>1,333</b>
	Bill Rates	\$ 63.03	\$ 56.72	\$ 50.42	\$ 43.69	\$ 38.23	\$ 32.77	\$ 23.95	

**CMG DRAINAGE ENGINEERING, INC.**

Task	TASK DESCRIPTION	Project Principal	Project Manager	Sr Project Engineer / Hydrologist	Project Engineer / Hydrologist	Designer	CADD Technician	Clerical / Administration	CMG Total
	Direct Labor Subtotal	\$ 5,042.40	\$ 17,753.36	\$ 12,100.80	\$ 8,738.00	\$ 9,557.50	\$ 8,192.50	\$ -	\$ 61,384.56
	Overhead	\$ 6,403.85	\$ 22,546.77	\$ 15,368.02	\$ 11,097.26	\$ 12,138.03	\$ 10,404.48	\$ -	\$ 77,958.39
	Profit	\$ 915.70	\$ 3,224.01	\$ 2,197.51	\$ 1,586.82	\$ 1,735.64	\$ 1,487.76	\$ -	\$ 11,147.44
	Total Labor	\$ 12,361.95	\$ 43,524.14	\$ 29,666.32	\$ 21,422.08	\$ 23,431.17	\$ 20,084.73	\$ -	\$ 150,490.39
	Direct Expenses								\$ 300.00
	<b>Total CMG Costs</b>	<b>\$ 12,361.95</b>	<b>\$ 43,524.14</b>	<b>\$ 29,666.32</b>	<b>\$ 21,422.08</b>	<b>\$ 23,431.17</b>	<b>\$ 20,084.73</b>	<b>\$ -</b>	<b>\$ 150,790.39</b>

END of EXHIBIT "B" ATTACHMENT 1