	Consultant/Address/Telephone								
Local Agency A&E	Confluence Environmental Company								
Professional Services	146 N. Canal Street, Suite 111								
Supplemental Agreement	Seattle, WA 98103								
	Contact Name / E-Mail Address								
Supplement Number	Scott White / scott.white@	contenv.com							
Supplement No. 2	Telephone 425-345-7685	Fax 206-545-0671							
Agreement Number CCF01-22	Execution Date 9/14/2022	Completion Date 12/31/2025							
Project Title Permitting Services, Goodman Creek Culvert Replacement	New Maximum Amount Payable \$280,957.00								
Description of Work Provide environmental planning permitting and stre	am habitat design from th	e 60% design level to final permit							

lanning, permitting, and stream habitat design from the 60% design level to final submittals on the Goodman Creek Culvert Replacement Project. The project will replace the 12-foot diameter culvert that carries Goodman Creek under the Mountain Loop Highway with a new bridge. The project is located 6 miles southeast of Darrington, Washington within the Mt. Baker-Snoqualmie National Forest.

The Local Agency of Snohomish County desires to supplement the Agreement entered into with Confluence Environmental Company and executed on September 14, 2022, as amended by Supplement No. 1 on May 17, 2023 and identified as Agreement No. CCF01-22. All provisions in the basic agreement remain in effect except as expressly modified by this supplement.

The changes to the Agreement are described as follows:

The "Maximum Amount Payable" amount on the Agreement title page is amended as follows:

Maximum Amount Payable

\$280,957.00

EXHIBIT A-2 Supplemental Scope of Work, attached hereto and by this reference made part of the original Agreement, as additional work to be performed under Exhibit A.

EXHIBIT E Sub Consultant Cost Computations, attached hereto by this reference made part of the previously amended Agreement, and adds supplemental cost computations for the additional work to be performed under Exhibit A-2 of this Agreement.

If you concur with this supplement and agree to the changes as stated above, please sign in the appropriate spaces below and return to this office for final action.

By: SNOHOMISH COUNTY

By: CONFLUENCE ENVIRONMENTAL COMPANY

Consultant Signature

Approving Authority Signature

Date

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This proposed Scope of Work (SOW) amendment describes Stream Designing to be performed by Confluence Environmental Company (the "CONSULTANT") and Sub Consultant, Parametrix (the "SUBCONSULTANT") in assisting Snohomish County (the "AGENCY") Department of Public Works (DPW) with the existing Goodman Creek Services Agreement (CCF01-22). This amended adds the preparation of design and specifications to 90% and final stream design, specifications and construction support to Parametrix's SOW.

Only Task 2 and Task 5 are being revised and included in this amendment. All other tasks remain the same.

SCOPE OF WORK

This Scope of Work (SOW) provides a summary of the services and support Parametrix will provide Snohomish County related to the Goodman Creek culvert replacement project.

TASK 2: STREAM DESIGN COORDINATION

This task includes the efforts required for the SUBCONSULTANT to prepare 60% technical specifications to accompany the 60% drawings completed under Amendment 1. This task also includes the preparation of 90% and final design details. The stream design materials will include the design drawings, technical specifications, materials cost information, design calculations and stream design detail stability calculations for large woody material.

SUBCONSULTANT will prepare:

- Materials cost information for inclusion in Sargent Engineers construction cost estimate.
- Stream design detail stability calculations for large woody material (LWM).
- The following drawings and expected number of full size (24 inch x 36 inch) drawings for 90% and Final Design:
 - \circ Stream design layout in plan view 1 sheet
 - \circ Stream design layout in profile view 1 sheet
 - Stream design cross sections, up to 4 total -1 sheet
 - LWM design details, up to 4 total up to 8 sheets
 - \circ Stream flow construction bypass layout in plan view 1 sheet
- The following Technical Specifications for 60%, 90% and Final Design milestones:
 - Earthwork/Stream Grading
 - o Earthwork/Floodplain Grading
 - o Revetment/Countermeasures
 - \circ Streambed
 - o Stream Boulders
 - o LWM
 - o Streambank and Floodplain Preparation and Planting
 - Control of Water/Dewatering
 - o In-Water Work, Site Isolation

Assumptions:

- All files to be provided in AutoCAD format.
- Drawing standards to be provided by Sargent Engineers.

- Drawing prepared by the SUBCONSULTANT will be based on design developed by others.
- Schedule:
 - The SUBCONSULTANT will advance the stream design to the 90% and final design.
 - The deliverable schedule will align with the Sargent Engineers schedule shown below.

	Goodman Creek Milestones												
	Caler	ndar	Milestone										
	Date	Day	Туре	Description	Participants	Notes							
						וסבוסוב הכפוווווווופ סמינ מכפופון נה פאמת נופאוופ נה הפרענופרע.							
%	9/29/23	Fri	Deliverable	90% PS&E Submittal	Sargent, WSE								
%06	10/27/23	Fri	Meeting		WSE, Sargent, Snohomish County								
100%	12/1/23	Fri	Deliverable	Final PS&E	Sargent, WSE								
10(12/29/23	Fri	Meeting	Final PS&E Discussion (if necessary)	WSE, Sargent, Snohomish County								

Deliverables:

- Design Drawings for 90% and Final Design to be prepared in AutoCAD format.
- Technical Specifications for 60%, 90% and Final Design milestones to be prepared in Microsoft Word format.
- Final stream design drawing sheets will be stamped and signed by a professional engineer licensed in the State of Washington.

BUDGET

The proposed budget for this task will augment the remaining original budget to develop and submit the deliverables described in this task amendment. The proposed Task 2 budget amendment is for \$36,613. The details are provided in the subconsultant budget in Exhibit E.

TASK 5: CONSTRUCTION SUPPORT

This task includes site visits for the SUBCONSULTNT to provide construction support to implement the stream design elements as needed. The SUBCONSULTANT will assist with adapting the design to the variable site conditions.

• The SUBCONSULTANT will participate in up to 8 (10 hour) site visits.

Assumptions:

- Mileage to the site is 190 miles roundtrip.
- Construction support will occur over 2 construction seasons and associated in-water work windows.
- Any field fit recommendations are to allow construction to proceed while providing the intended function and performance of the stream design features.
- Field adjustments will be based on the original design calculations and engineering professional judgement.
- Recommendations are not to be interpreted as construction change orders. Recommendations that a Contractor deems suitable for consideration as change orders shall be discussed with and approved by the Contract Administrator prior to the Contractor proceeding with recommendations.

Deliverables:

• Daily construction logs and photos for target activities of large woody material and stream construction.

BUDGET

The proposed budget for this task includes time and mileage. The proposed Task 5 budget amendment is for \$16,428.

The total budget amendment for Task 2 and Task 5 is \$53,041. The details are provided in the subconsultant budget in Exhibit E.

Parametrix

Snohomish County

Prepared by & date 5/10/2023 Project number

Goodman Cr Culvert Replacement																			
Project Name				Task 1 PM		Task 2 Stream Design Coordination		Task 3 Permit Assistance		Task 4 NEPA Support		Task 5A Fish Removal		Task 5B General Site Monitoring		Task 5C Inadvertent Discovery Plan -		Total	
Staff/Item		Rate	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	
Parametrix staff:																			
Designer IV	s	140.00		\$0	88.00	\$12,320		\$0		\$0		\$0		\$0		\$0	88	\$12,320.00	
Sr. Graphic Designer	\$	127.49		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0		
Sr. Engineer	\$	189.41		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0.00	
Hydrogeologist IV	\$	146.28		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0.00	
Project Controls Specialist	\$	118.99		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0.00	
Project Accountant	\$	97.68		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0.00	
Sr. Consultant	\$	205.00		\$0	56.00	\$11,480		\$0		\$0		\$0	50	\$10,250		\$0	106	\$21,730.00	
Sr. Contract Administrator	\$	118.99		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0.00	
Engineer III	\$	147.90		\$0	80.00	\$11,832		\$0		\$0		\$0	30	\$4,437		\$0	110		
Total Parametrix staff			0	\$0	224.00	\$35,632	0	\$0	0	\$0	0	\$0	80	\$14,687	0	\$0	304	\$50,319	
Parametrix Escalation						\$981								\$745				\$1,726	
Other Direct Expenses																			
Reimburseable Direct Expenses																			
Mileage		\$0.655		\$0		\$0		\$0		\$0		\$0	1,520	\$996		\$0	1,520	\$995.60	
Reimburse for travel meals (at cost)		\$10		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0.00	
Total Reimbursable Direct Expense			\$0	\$0	0.00	\$0	0	\$0	\$0	\$0	0	\$0	1520	\$996	\$0	\$0	1,520	\$995.60	
Parametrix IOTAL				\$0		\$36,613		\$0		\$0		\$0		\$16,428		\$0		\$53,041	
Grand totals				\$0		\$36,613		\$0		\$0		\$0		\$16,428		\$0		\$53,041	

Agreement Number: CCF01-22