

**AMENDMENT NO. 1 TO THE  
AGREEMENT FOR SERVICES OF INDEPENDENT CONTRACTOR WITH WRECO  
(San Ysidro Debris Basin Improvement Project, BC NO. 19-337)**

Pursuant to Paragraph 30 of the Agreement for Services of Independent Contractor (hereinafter AGREEMENT) entered into on August 28, 2019, as BC No.19-337, between the **Santa Barbara County Flood Control and Water Conservation District** (hereafter COUNTY), and **WRECO**, having its principal place of business at 1243 Alpine Road, STE 108, Walnut Creek, CA 94596 (hereafter CONTRACTOR), the COUNTY and CONTRACTOR amend the AGREEMENT as follows:

**1. Paragraph 4 of the Agreement is hereby amendment to read:**

**TERM**, CONTRACTOR shall commence performance on **August 28, 2019** and end performance upon completion, but no later than **December 31, 2022** unless otherwise directed by COUNTY or unless earlier terminated.

**2. Exhibit A, Statement of Work is hereby amended to include:**

Work as described in the attached Statement of Work from CONTRACTOR, attached as **EXHIBIT A1**, incorporated by this reference.

**3. Exhibit B, paragraph A and B is hereby amended to read:**

- A. For CONTRACTOR services to be rendered under this Agreement, CONTRACTOR shall be paid a total contract amount, including cost reimbursements, not to exceed **\$361,940**.
- B. Extra Work required to complete the project may be authorized only if CONTRACTOR receives written approval by the County's designated representative as identified in Paragraph 1 of the Agreement at the same rate per unit as defined in Attachment B1. The total amount of contingency fund is 10% of the agreement amount or **\$36,194**.

In all other respects, the AGREEMENT remains unchanged and in full effect.

**IN WITNESS WHEREOF**, the parties have executed this Agreement to be effective on the date executed by COUNTY.

**ATTEST:**

Mona Miyasato  
County Executive Officer  
Ex Officio Clerk of Board of  
Directors of the Santa Barbara  
County Flood Control and Water  
Conservation District

**SANTA BARBARA COUNTY FLOOD  
CONTROL & WATER CONSERVATION  
DISTRICT:**

By:   
Deputy Clerk

By:   
Gregg Hart, Chair, Board of  
Directors

Date: 8-18-20

**RECOMMENDED FOR  
APPROVAL:**

Santa Barbara County Flood  
Control & Water Conservation  
District

By:   
\_\_\_\_\_  
Scott D. McGolpin  
Public Works Director

**CONTRACTOR:  
WRECO**


By:   
\_\_\_\_\_  
Authorized Representative

Name: Han-Bin Liang

Title: President


**APPROVED AS TO FORM:**

Michael C. Ghizzoni  
County Counsel

By:   
Brian Pettit (Jul 24, 2020 14:36 PDT)  
Deputy County Counsel

**APPROVED AS TO ACCOUNTING  
FORM:**

Betsy M. Schaffer, CPA  
Auditor-Controller

By:   
Deputy

**APPROVED AS TO FORM:**

Ray Aromatorio, ARM, AIC  
Risk Manager

By:   
Risk Management

# EXHIBIT A1



1243 Alpine Road, Suite 108  
Walnut Creek, CA 94596  
Phone: 925.941.0017  
Fax: 925.941.0018  
[www.wreco.com](http://www.wreco.com)

**June 23, 2020**

Mr. Jonathan Frye  
Santa Barbara County Flood Control & Water Conservation District  
130 East Victoria Street Suite 200  
Santa Barbara, CA 93101

***Project: San Ysidro Debris Basin Improvements Project***

***Subject: Request for Additional Budget to Provide Roughened Ramp Channel Design***

Dear Mr. Frye,

WRECO is submitting an additional budget request for the San Ysidro Debris Basin Improvements Project (Project) to provide a revised 30% Plans, Specifications, and Estimates (PS&E) submittal. At the time of this request, the Project team has already progressed on the current 65% PS&E submittal, but due to the request in channel design change from the National Marine Fisheries Service (NMFS) for a “roughened ramp” channel, the design will be revised. Per the Santa Barbara County Flood Control & Water Conservation District (County), the WRECO team will provide revised 30% PS&E submittal. Future submittals beyond this point will continue to use the current budgets from the original scope with additional budget requested for the 65% submittal that was already in-progress. WRECO is also submitting a request to extend the expiration date of the contract to December 31, 2022.

The following is our detailed scope of work for the remainder of the Project.

## **WRECO'S DETAILED SCOPE OF WORK**

### **TASK 1A ADDITIONAL PROJECT MANAGEMENT AND MEETINGS**

WRECO will coordinate with the County and NMFS for the new design of the “roughened ramp” channel. WRECO will participate in up to five (5) conference call meetings with NMFS and the County to allow for NMFS to provide over-the-shoulder review and input for the 30% and 65% PS&E submittals.

### **TASK 2A REVIEW OF CURRENT STRUCTURAL DESIGN**

WRECO will review the current outfall structure design to determine if the current design needs to be updated to accommodate the new “roughened ramp” channel.

### **TASK 7A REVISED 30% DESIGN, PLANS, AND COST ESTIMATE**

For this task, WRECO will:

- a. Develop the detailed 30% plans incorporating and complying with the NFMS “roughened ramp” design (reference reach values to be provided by the County):
- b. Perform sediment transport study within the HEC-RAS model to analyze scour and deposition of sediment over a long time period and use Chapter 13 – Sediment Impact Assessments of the NRCS Stream Restoration Design NEH for analysis of the proposed design. Analysis will be provided for all studied storm events including the 2-, 10-, 50-, and 100-year storm events.
- c. Perform hydraulic analyses including:





- i. 50-year flows (structure should not be overtopped at 50-year event)
- ii. 100-year flows
- iii. Scour and erosion potential

☐ **Deliverables:**

- 30% Plans and Preliminary Cost Estimate (PDF)
- 30% Drainage Report (PDF)

**TASK 8A REVISED 65% PLANS, SPECIFICATIONS, AND ESTIMATE**

**Task 8.1 Revised Drainage Report**

WRECO will update the revised 35% Drainage Report with the updated hydraulic modeling results for this new design of the channel and any County and NMFS comments. The updated Drainage Report will also revise fish passage discussions and sediment transport analyses.

**Task 8.2 Revised 65% PS&E**

WRECO will update the 65% plans per County and NMFS comments from the revised 30% PS&E review.

- a. Plans including, title sheet, general project information sheet, horizontal control sheets, plan and profile sheets, cross section sheets, and detail sheets.
- b. Specifications conforming to the 2018 Caltrans Standard Specifications.
- c. Construction cost estimates and quantities based on 2018 Caltrans Bid Item List.
- d. Design will be certified to be in compliance with construction requirements specified in FEMA Hazard Mitigation Guidance Program and meet or exceed IBC standards.

**Task 8.3 Revised Basis of Design Memorandum**

WRECO will update the Basis of Design memorandum based on the previously submitted memorandum and summarize the evolution of the channel design from discussions with the County and NMFS.

☐ **Deliverables:**

- 65% Drainage Report including Fish Passage (PDF)
- 65% PS&E (PDF)
- Revised Basis of Design Memorandum (PDF)

Enclosed please find our proposed work hours and fee. Please contact Ms. Lesley Brooks if you have any questions at (669) 204-7081 or email at [Lesley\\_Brooks@wreco.com](mailto:Lesley_Brooks@wreco.com).

Best Regards,

**WRECO**

Han-Bin Liang, Ph.D., P.E., QSD/P | President

*Enclosure: Fee Proposal and Rate Schedule*



San Ysidro Debris Basin - Roughened Ramp Design  
 County of Santa Barbara

Work-Hour and Fee Estimate for WRECO Tasks  
 Prepared by WRECO

July 2, 2020

TASK	DESCRIPTION	WRECO										Bishop Engineering			TOTALS BY TASK					
		Principal Engineer \$ 280.00	Supervising Engineer I \$ 200.00	Senior Geotech Eng \$ 190.00	Senior Engineer \$ 160.00	Associate Engineer \$ 125.00	Staff Engineer \$ 95.00	Senior Technician \$ 90.00	Technical Director/Project Coordinator \$ 85.00	Hours	Labor Cost	Senior Structural Engineer \$ 140.00	Hours	Labor Cost	Hours	Labor Cost	Escalation 4%	Total		
1A	Additional Project Management and Meetings	2	16		16	16							66	\$ 9,840.00	0	\$ -	66	\$ 9,840.00	\$ -	\$ 9,840.00
2A	Review of Current Structural Design			4									4	\$ 760.00	0	\$ -	4	\$ 760.00	\$ -	\$ 760.00
7A	Revised 30% Plans, Specifications, and Estimate		16		24	40	40	40	4	4	4	4	168	\$ 20,340.00	0	\$ -	168	\$ 20,340.00	\$ -	\$ 20,340.00
8A	Revised 65% Plans, Specifications, and Estimate												0	\$ -	0	\$ -	0	\$ -	\$ -	\$ -
	8.1 - Revised Drainage Report		4		4	8	8	8	4	4	4	4	28	\$ 3,540.00	0	\$ -	28	\$ 3,540.00	\$ -	\$ 3,540.00
	8.2 - Revised 65% PS&E			2	2	2	2	2	4	4	4	4	20	\$ 2,440.00	0	\$ -	20	\$ 2,440.00	\$ -	\$ 2,440.00
	8.3 - Revised Basis of Design Memorandum		8		8	24	24	24	4	4	4	4	44	\$ 6,220.00	0	\$ -	44	\$ 6,220.00	\$ -	\$ 6,220.00
	Subtotal Labor	2	44	6	54	96	68	44	12	8	8	334	\$ 43,700.00	\$ -	\$ -	334	\$ 43,700.00	\$ -	\$ 43,700.00	
		Total Project Tasks											\$	43,700.00						
		Total Project Cost											\$	43,700.00						