



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources
1313 Sherman Street, Room 718
Denver, CO 80203

**WSRF – Colorado – Phase 1 – Stone Creek Master Plan Project
POGG1 2020-2066**

July 18, 2019

Eagle Vail Metropolitan District
Attn: Steven H. Barber, District Manager
P.O. Box 5660
Avon, CO 81620-5660

Dear Grantee:

We are pleased to inform you that the Colorado Department of Natural Resources, Colorado Water Conservation Board (CWCB) has approved your grant request for funding pursuant to the WSRF Grant Program (“Program”). This letter authorizes you to proceed with the Phase 1 – Stone Creek Master Plan Project (“Project”) in accordance with the terms of this Grant Award Letter.

Attached to this letter are the terms and conditions of your Grant. Please review these terms and conditions, as they are requirements of this Grant to which you, Eagle Vail Metropolitan District, agree by accepting the Grant Funds.

If you have any questions or concerns regarding the project, please contact Megan Holcomb, Project Manager at 303-866-3441 or at Megan.Holcomb@state.co.us. Please send all grant correspondence directly to Megan and cc me on your invoice billing requests.

Thank you.

Sincerely,

//s//

Doriann Vigil
Program Assistant II
O 303-866-3441 ext. 3250
1313 Sherman Street, Rm. 719, Denver, CO 80203
Dori.vigil@state.co.us / cwcb.state.co.com





STATE OF COLORADO
Department of Natural Resources

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ORDER		*****IMPORTANT*****				
Number: POGG1,PDAA,202000002066		The order number and line number must appear on all invoices, packing slips, cartons, and correspondence.				
Date: 7/15/19		BILL TO				
Description: PDAA 2500 WSRF_EAGLE-VAIL_MULTI-PURPOSE IMLEMNT_CRB		COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
Effective Date: 07/15/19		SHIP TO COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
Expiration Date: 10/31/20						
BUYER		SHIPPING INSTRUCTIONS				
Buyer:		Delivery/Install Date: -				
Email:		FOB: FOB Dest, Freight Allowed				
VENDOR						
EAGLE-VAIL METROPOLITAN DISTRICT PO BOX 5660 AVON, CO 81620-5660						
Contact: .						
Phone: 9709491504						
VENDOR INSTRUCTIONS						
EXTENDED DESCRIPTION						
PHASE 1 - STONE CREEK MASTER PLAN IN THE COLORADO RIVER BASIN.						
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$25,000.00	<input type="checkbox"/>
Description: PDAA 2500 WSRF_EAGLE-VAIL_MULTI-PURPOSE IMLEMNT_CRB						
Service From: 07/15/19				Service To: 10/31/20		
TERMS AND CONDITIONS						
https://www.colorado.gov/pacific/osc/small-dollar-grant-award-terms-conditions						
DOCUMENT TOTAL = \$25,000.00						



Last Update: January 9, 2018

Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	December 12, 2018
Water Activity Name:	Stone Creek Master Plan – Phase 1
Grant Recipient:	EagleVail Metropolitan District
Funding Source:	Basin Account
Water Activity Overview: (Please provide brief description of the proposed water activity (no more than 200 words). Include a description of the overall water activity and specifically what the WSRF funding will be used for.)	
<p>Stone Creek is a headwater tributary of the Eagle River. It originates in the White River National Forest where it is pristine and healthy in its natural state. As it leaves the National Forest it enters EagleVail, where it was re-aligned and drastically changed during the development area.</p> <p>Over the years this section has become unsustainable and difficult to manage. Contributing to its decline has been due to over widened stream sections, man-made alterations and structures, eroded banks, sediment aggradation, and existence of fish barriers. The EVMD has recognized these issues and has actively pursued a solution in creating a Stone Creek Master Plan. The Master Plan identified numerous areas along the creek that need improvement, including Phase 1 which was given the highest priority.</p> <p>The project goal for Phase 1 is to construct a long-term solution that will help us better utilize the water in Stone Creek for multiple benefits. The primary focus is the protection and enhancement of our aquatic resources. The funding provided by the CWCB would assist the EVMD in the completion of Phase 1 in the Fall of 2019. Phase 1 would address over widened stream channel, bank stabilization, sediment aggradation, water quality, and fish passage through this section of Stone Creek. Our emphasis is to create a balanced self-sustaining aquatic eco-system with beautiful/resilient ponds and streams. This project would also allow for public engagement, education, and contribute greatly to the entire Eagle River Watershed.</p>	
Objectives: (List the objectives of the project)	
<p>The Stone Creek Master Plan was designed with the goal of creating a self-sustaining creek that could endure high and low flows through proper channel cross section and flood plain connectivity, improved water quality, reduced erosion & sediment aggradation, and create fish passage throughout the creek. The Master Plan was designed to be implemented in five phases. These phases have been categorized by importance, with Phase 1 being of the highest importance.</p> <p>Phase 1 List of objectives:</p> <ul style="list-style-type: none">- Remove two man-made dams that are causing sediment aggradation, bank erosion, poor water quality, and that are fish barriers.- Implement a series of smaller drops to improve hydraulics, fish passage, provide habitat, and spawning beds.- Create a low flow channel within a bankfull channel to alleviate aggradation and floodplain connectivity spring runoff, high flow events, and riparian inundation.- By accomplishing Phase 1, our hope would be to create the momentum needed to complete the remaining phases and the Stone Creek Master Plan in its entirety in the years to come.	



Last Update: January 9, 2018

The Stone Creek Master Plan was designed with the goal of creating a self-sustaining creek that could endure high and low flows through proper channel cross section and flood plain connectivity, improved water quality, reduced erosion & sediment aggradation, and create fish passage throughout the creek. The Master Plan was designed to be implemented in five phases. These phases have been categorized by importance, with Phase 1 being of the highest importance.

Phase 1 List of objectives:

- Remove two man-made dams that are causing sediment aggradation, bank erosion, poor water quality, and that are fish barriers.
- Implement a series of smaller drops to improve hydraulics, fish passage, provide habitat, and spawning beds.
- Create a low flow channel within a bankfull channel to alleviate aggradation and floodplain connectivity spring runoff, high flow events, and riparian inundation.
- By accomplishing Phase 1, our hope would be to create the momentum needed to complete the remaining phases and the Stone Creek Master Plan in its entirety in the years to come.
-

Tasks
Provide a detailed description of each task using the following format:
<u>Task 1 - (Phase 1 of The Stone Creek Master Plan)</u>
Description of Task: Phase 1 is a 270 ft section of Stone Creek that has been identified with the following deficiencies. Deficiencies such as; inadequate channeling, hydraulic influences, water quality, man-made alterations & structures, eroded banks, and poor fish passage. The overly wide channel in this section (Phase 1) is producing aggradation of sediment in the creek and ponds. Also, in this section the creek is not connected to the floodplain therefore producing erosive velocities that are causing erosion and failing stream banks. There are also two man-made dams that are too great for fish passage and that affect the overall slope of the channel and the sediment carrying capacity of the creek in this section. These two oversized dams were constructed to create ponds. In doing so, these structures have created large shallow pools that collect sediment and reduce depth for habitat throughout the pools. With the low gradient and the excess width, this has allowed for suspended materials to settle and accumulate in slow moving water thus creating "sediment" islands. Also, in high water flow events such as runoff, the flow is pushed outward causing erosion and unstable banks. These dams not only create shallow depths, collect sediment, and influence bank erosion they also make fish passage nearly impossible.
Method/Procedure:



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Tasks

Phase 1 would include developing a defined channel through this section. This would allow for adequate stream flow during all seasons whether high runoff or low flow. The channel would provide consistent water movement, regardless of flow and eliminate excess sediment build up. This channel would also improve water quality and provide access for fish to move freely up and down stream.

Phase 1 would also consist of eliminating the two man-made dams. By removing the dams, it would create a more desirable slope through this section and a series of drops composed of boulder cross vanes would be implemented. Each drop would be 1 to 2 feet in height with a recommended slope of 1% between each drop. Not only would these boulder cross vanes improve the slope through this section, but they would aid a great deal in erosion control, bank stabilization, fish passage, fish habitat, and better water quality.

Another facet to Phase 1 would be the process of bank stabilization and to lay back the slope for the floodplain connectivity. This would allow relief when waters are high not compromising the integrity of the creek banks. Throughout the process public engagement and education would also take place so that the residents of EagleVail can learn to become good stewards of Stone Creek.

Grantee Deliverable: (Describe the deliverable the grantee expects from this task)

Once Phase 1 is complete and this section of Stone Creek is restored, it will greatly improve water quality, water flow, erosion control, bank stabilization, and fish passage. This section would become self-sustainable and require zero to no maintenance. A goal of the project would be that the EVMD and the Stone Creek Master Plan be an example to follow for other stream restoration projects in the Vail Valley and surrounding mountain region.

CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)

The EVMD would provide documentation and updates to the CWCB throughout the process, from the beginning to its completion. Once completed, the EVMD would communicate to the CWCB the affects it has had on Stone Creek and any further developments in implementing the remaining Phases of the Master Plan.

Our goal is that with the completion of Phase 1, that the EVMD along with other partners could set the foundation and create the momentum needed in completing the Stone Creek Master Plan in its entirety. Once the Master Plan is implemented, Stone Creek would be a healthy self-sustaining creek that would contribute greatly to the entire Eagle County Watershed and Colorado River Basin. The Stone Creek Restoration and the EVMD could set the standard in Stream Restoration and be an example for other communities to follow.

Budget and Schedule

Exhibit B - Budget and Schedule: This Statement of Work shall be accompanied by a combined [Budget and Schedule](#) that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format. A separate excel formatted Budget is required for engineering costs to include rate and unit costs.

Reporting Requirements

Progress Reports: The grantee shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues. The CWCB may withhold reimbursement until satisfactory progress reports have been submitted.

Final Report: At completion of the project, the grantee shall provide the CWCB a Final Report on the grantee's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.



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Reporting Requirements

Payments

Payment will be made based on actual expenditures, must include invoices for all work completed and must be on grantee's letterhead. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the water activity and purchase order or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to CWCB within 90 days of the expiration of a purchase order or contract may be denied consideration for future funding of any type from CWCB.

Performance Requirements

Performance measures for this contract shall include the following:

(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit B. Per Grant Guidelines, the CWCB will pay out the last 10% of the budget when the final deliverable is completed to the satisfaction of CWCB staff. Once the final deliverable has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

(b) Accountability: Per the Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per the Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.

(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.

(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.

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Colorado Water Conservation Board**Water Supply Reserve Fund****EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs****Date: December 12th, 2018****Water Activity Name: Phase 1 - Stone Creek Master Plan****Grantee Name: EagleVail Metropolitan District**

<u>Task No.</u> ⁽¹⁾	<u>Description</u>	<u>Start Date</u> ⁽²⁾	<u>End Date</u>	<u>Matching Funds</u> (cash & in-kind) ⁽³⁾	<u>WSRF Funds</u> (Basin & Statewide combined) ⁽³⁾	<u>Total</u>
Task No.(1)	Phase 1 - Stone Creek Master Plan	Jul-19	Oct-20	\$125,000	\$25,000	\$150,000
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
Total				\$125,000	\$25,000	\$150,000

(1) The single task that include costs for Grant Administration must provide a labor breakdown (see Indirect Costs tab below) where the total WSRF Grant contribution towards that task does not exceed 15% of the total WSRF Grant amount.

(2) Start Date for funding under \$100K - 45 Days from Board Approval; Start Date for funding over \$100K - 90 Days from Board Approval.

(3) Round values up to the nearest hundred dollars.

- Additional documentation providing a Detailed/Itemized Budget may be required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.

- Reimbursement eligibility commences upon the grantee's receipt of a Notice to Proceed (NTP)

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of the CWCB staff project manager. Once the Final Report has been accepted, the final payment has been issued, the water activity and purchase order (PO) or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to the CWCB with 90 days of the expiration of the PO or contract may be denied consideration for future funding of any type from the CWCB.

- Additionally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution

- Standard contracting procedures dictate that the Expiration Date of the contract shall be 5 years from the Effective Date.