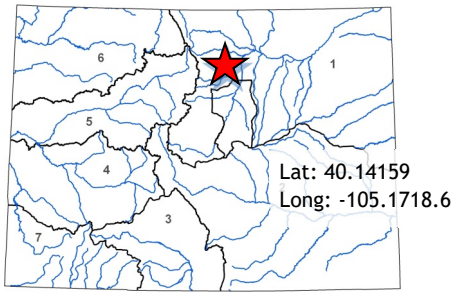
COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Water Plan Grant Application

Dave Miller Ditch Company
Dave Miller Ditch Piping Project
March 2021 Board Meeting



LOCATION	
County/Counties:	Boulder
Drainage Basin:	South Platte

DETAILS	
Total Project Cost:	$340,363
Water Plan Grant Request:	$157,864
Recommended Amount:	$0
Other CWCB Funding:	$0
Other Funding Amount:	$0
Applicant Match:	$182,500
Project Type(s): Construction	
Project Category(Categories): Agricultural	
Measurable Result: Agricultural efficiency (10 AF annually)	

The Dave Miller Ditch Diversion and ditch were severely damaged in the 2013 flood. A new solar-powered pump station was constructed in 2019 to replace the destroyed irrigation diversion on North St. Vrain Creek upstream of Apple Valley Road in Lyons. The new diversion allows for fish passage and safe recreational boating. A solar array funds the electricity cost to pump water into the ditch. However, the ditch itself was also damaged and currently cannot serve most of its shareholders. The ditch is approximately one mile long but can only service the first 1,000 feet. The project proposes to pipe and re-align about 5,000 feet of the ditch with 12" pipe to service approximately 45 acres of agricultural use. The piping will conserve water by minimizing infiltrative and evaporative losses, reducing maintenance costs, and maximizing the 1.43 cfs water right for irrigation. The piping project will be designed to accommodate additional water available for purchase from the St. Vrain and Lefthand Water Conservancy District.

The proposal scored well on multiple grant criteria, including promoting agricultural water efficiency methods through the piping of the ditch and enhancing water delivery security for water users on the ditch system. Unfortunately, the available funding, the application score, and feedback from the review committee resulted in a no funding recommendation for this application. In particular, the application received below-average scores on overall impact to regional and state water challenges, a lack of collaborative partnerships, and minimal public benefits when compared with the other applications. In terms of measureable efficiency savings, the project also scored lower comparable to other projects. Staff has been in touch with the applicant and have encouraged them to consider funding to complete the project through the United States Department of Agriculture Environmental Quality Incentives Program or other funding sources such as the Water Supply Reserve Fund.

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Last Updated: June 2020

Colorado Water Conservation Board

Water Plan Grant Application

Instructions

To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as "project") funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.

If you have questions, please contact CWCB at (303) 866-3441 or email the following staff to assist you with applications in the following areas:

Water Storage Projects	Matthew.Stearns@state.co.us
Conservation, Land Use Planning	Kevin.Reidy@state.co.us
Engagement & Innovation Activities	Ben.Wade@state.co.us
Agricultural Projects	Alexander.Funk@state.co.us
Environmental & Recreation Projects	Chris.Sturm@state.co.us

FINAL SUBMISSION: Submit all application materials in one email to *waterplan.grants@state.co.us*
in the original file formats [Application (word); Statement of Work (word); Budget/Schedule (excel)]. Please do not combine documents. In the subject line, please include the funding category and name of the project.

Water Project Summary

Name of Applicant	Dave Miller Mutual Ditch Company
Name of Water Project	Dave Miller Ditch Piping Project

CWP Grant Request Amount	$157,864
Other Funding Sources CWCB Loan	$175,082
Other Funding Sources _____	$
Other Funding Sources _____	$
Applicant Funding Contribution	$7,418
Total Project Cost	$340,363

Last Updated: June 2020

Applicant & Grantee Information
Name of Grantee(s) Dave Miller Mutual Ditch Company
Mailing Address 1636 Apple Valley Road, Lyons, CO 80540
FEIN 84-0745506
Organization Contact Matt Rooney
Position/Title Vice-President
Email matt@farmbearcreek.com
Phone 970-420-2263
Grant Management Contact Jeff Crane
Position/Title: Project Manager
Email jeff@craneassociates.net
Phone (970) 261-5043
Name of Applicant (if different than grantee) Jeff Crane
Mailing Address 600 Crystal Lane, Carbondale, CO 81623
Position/Title Project Manager
Email jeff@craneassociates.net
Phone (970) 261-5043

Description of Grantee/Applicant
Provide a brief description of the grantee's organization (100 words or less).
The Dave Miller Mutual Ditch Company is a LLC mutual ditch company servicing 14 shareholders along Apple Valley Road in Lyons with 33.5 acre-feet of water rights. The water is allocated primarily for agricultural use down valley but is also available to residential homeowners. Crane Associates is the applicant and is contracted by the ditch company to manage the project. Crane has experience with water management, stream and floodplain rehabilitation and was a senior advisor to the CWCB during flood recovery in the area. Alliance Consulting Engineers and Surveyors has been contracted to engineer the ditch reconstruction and piping.

Last Updated: June 2020

Type of Eligible Entity (check one)	
	Public (Government): Municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
	Public (Districts): Authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises.
X	**Private Incorporated:** Mutual ditch companies, homeowners associations, corporations.
	Private Individuals, Partnerships, and Sole Proprietors: Private parties may be eligible for funding.
	Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature.
	Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes.

Type of Water Project (check all that apply)	
	Study
X	Construction
	Identified Projects and Processes (IPP)
	Other

Category of Water Project (check the primary category that applies and include relevant tasks)		
	Water Storage - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.. *Applicable Exhibit A Task(s):*	
	Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. *Applicable Exhibit A Task(s):*	
	Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website. *Applicable Exhibit A Task(s):*	
X	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. *Applicable Exhibit A Task(s):*	
	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. *Applicable Exhibit A Task(s):*	
	Other	Explain:

Last Updated: June 2020

Location of Water Project	
Please provide the general county and coordinates of the proposed project below in **decimal degrees**. The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Counties	Boulder
Latitude	40-14-15.9N
Longitude	105-17-18.6W

Water Project Overview
Please provide a summary of the proposed water project (200 words or less). Include a description of the project and what the CWP Grant funding will be used for specifically (e.g., studies, permitting process, construction). Provide a description of the water supply source to be utilized or the water body affected by the project, where applicable. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, and area of habitat improvements, where applicable. If this project addresses multiple purposes or spans multiple basins, please explain. The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.
The Dave Miller Ditch was severely damaged in the 2013 flood. A new solar-powered pump station was constructed in 2019 to replace the destroyed irrigation diversion on North St. Vrain Creek upstream of Apple Valley Road in Lyons. The project was funded by the CDBG-DR program during flood recovery. The new diversion allows for fish passage and safe recreational boating. A solar array funds the electricity cost to pump water into the ditch. It is an innovative showcase for future irrigation diversion projects. However, the ditch itself was also damaged and currently cannot service most of its shareholders. The ditch is approximately one mile long but can only service the first 1,000 feet. The project proposes to pipe and re-align approximately 5,000 feet of the ditch with 12” pipe to service approximately 45 acres of agricultural use. The piping will conserve water by minimizing infiltrative and evaporative losses, reduce maintenance costs and maximize the 1.43 cfs water right for agricultural purposes. The ditch has been in use for hay production since the 1874. The piping project will be designed to accommodate 3 cfs because additional water may be available for purchase from the St. Vrain and Lefthand Water Conservancy District.

Last Updated: June 2020

Measurable Results		
To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:		
	New Storage Created (acre-feet)	
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
	Existing Storage Preserved or Enhanced (acre-feet)	
	Length of Stream Restored or Protected (linear feet)	
10 ac-ft/yr	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
45 ac of pasture land	Area of Restored or Preserved Habitat (acres)	
	Quantity of Water Shared through Alternative Transfer Mechanisms	
	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning	
	Number of Coloradans Impacted by Engagement Activity	
	Other	Explain:

Water Project Justification
Provide a description of how this water project supports the goals of Colorado's Water Plan, the most recent Statewide Water Supply Initiative, and the applicable Roundtable Basin Implementation Plan and Education Action Plan. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers). The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)
This project supports the goals of the State Water Plan by conserving water and improving irrigation conveyance efficiency. The length, slope, substrate and presence of vegetation and other debris affects how much and how quickly water gets to the application system. The further from the source, combined with the presence of unmaintained vegetation or debris, and the type of ditch (earthen vs. concrete vs. pipe) means more water to seep and soak before it gets to the irrigated property. In this case that is 5,000 feet. The existing ditch is earthen and heavy with vegetation and debris. This piping project would improve irrigation conveyance efficiency by up to 30%. Irrigation Conveyance Efficiencies Conveyance Method Efficiency (%) Earthen Ditch 70 – 80 Concrete-lined Ditch 90 – 95 Pipeline 99 – 100 Source: USDA-NRCS NEH Part 23, Chapter 2, Irrigation water requirements. This piping project combined with a new state-of-the-art diversion project will substantially improve water savings and become an example showcase project for other ditch companies.

Last Updated: June 2020

Related Studies
Please provide a list of any related studies, including if the water project is complementary to or assists in the implementation of other CWCB programs.
This project is complementary to the recently completed Dave Miller Ditch irrigation diversion project funded by the CDBG-DR flood recovery program. A complete set of as-built plans and final project report is available upon request.

Previous CWCB Grants, Loans or Other Funding
List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order; 6) Percentage of other CWCB funding for your overall project.
The Dave Miller Ditch Company received a $328,000 grant from the Community Development Block Grant-Disaster Relief Program from HUD through the Watershed Resilience Pilot Program administered by the Dept of Local Affairs. The contract number was CDBG-DR WI 18-102. There was no CWCB funding for this project.

Taxpayer Bill of Rights
The Taxpayer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect your application.
None

Last Updated: June 2020

Submittal Checklist	
	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract.
Exhibit A	
	Statement of Work(1)
	Budget & Schedule(1)
	Engineer's statement of probable cost (projects over $100,000)
	Letters of Matching and/or Pending 3rd Party Commitments(1)
Exhibit C	
	Map (if applicable)(1)
	Photos/Drawings/Reports
	Letters of Support (Optional)
	Certificate of Insurance (General, Auto, & Workers' Comp.) (2)
	Certificate of Good Standing with Colorado Secretary of State(2)
	W-9(2)
	Independent Contractor Form(2) (If applicant is individual, not company/organization)
Engagement & Innovation Grant Applicants ONLY	
	Engagement & Innovation Supplemental Application(1)

(1) Required with application.
(2) Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.

Last Updated: June 2020

ENGAGEMENT & INNOVATION GRANT FUND SUPPLEMENTAL APPLICATION

Introduction & Purpose

Colorado's Water Plan calls for an outreach, education, public engagement, and innovation grant fund in Chapter 9.5.

The overall goal of the Engagement & Innovation Grant Fund is to enhance Colorado's water communication, outreach, education, and public engagement efforts; advance Colorado's water supply planning process; and support a statewide water innovation ecosystem.

The grant fund aims to engage the public to promote well-informed community discourse regarding balanced water solutions statewide. The grant fund aims to support water innovation in Colorado. The grant fund prioritizes measuring and evaluating the success of programs, projects, and initiatives. The grant fund prioritizes efforts designed using research, data, and best practices. The grant fund prioritizes a commitment to collaboration and community engagement. The grant fund will support local and statewide efforts.

The grant fund is divided into two tracks: engagement and innovation. The Engagement Track supports education, outreach, communication, and public participation efforts related to water. The Innovation Track supports efforts that advance the water innovation ecosystem in Colorado.

Application Questions

*The grant fund request is referred to as "project" in this application.

Overview (answer for both tracks)
In a few sentences, what is the overall goal of this project? How does it achieve the stated purpose of this grant fund (above)?
Who is/are the target audience(s)? How will you reach them? How will you involve the community?
Describe how the project is collaborative or engages a diverse group of stakeholders. Who are the partners in the project? Do you have other funding partners or sources?

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Overview (answer for both tracks)
Describe how you plan to measure and evaluate the success and impact of the project?
What research, evidence, and data support your project?
Describe potential short- and long-term challenges with this project.

Please fill out the applicable questions for either the Engagement Track or Innovation Track, unless your project contains elements in both tracks. If a question does not relate to your project, just leave it blank. Please answer each question that relates to your project. Please reference the relevant documents and use chapters and page numbers (Colorado's Water Plan, Basin Implementation Plan, PEPO Education Action Plan, etc.).

Engagement Track
Describe how the project achieves the education, outreach, and public engagement measurable objective set forth in Colorado's Water Plan to "significantly improve the level of public awareness and engagement regarding water issues statewide by 2020, as determined by water awareness surveys."
Describe how the project achieves the other measurable objectives and critical goals and actions laid out in Colorado's Water Plan around the supply and demand gap; conservation; land use; agriculture; storage; watershed health, environment, and recreation; funding; and additional.
Describe how the project achieves the education, outreach, and public engagement goals set forth in the applicable Basin Implementation Plan(s).

Describe how the project achieves the basin roundtable's PEPO Education Action Plans.

Innovation Track
Describe how the project enhances water innovation efforts and supports a water innovation ecosystem in Colorado.
Describe how the project engages/leverages Colorado's innovation community to help solve our state's water challenges.
Describe how the project helps advance or develop a solution to a water need identified through TAP-IN and other water innovation challenges. What is the problem/need/challenge?
Describe how this project impacts current or emerging trends; technologies; clusters, sectors, or groups in water innovation.

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Colorado Water Conservation Board
Water Plan Grant - Exhibit A

Statement Of Work	
Date:	
Name of Grantee:	
Name of Water Project:	
Funding Source:	
Water Project Overview:	
Project Objectives:	

Last Updated: June 2020

Tasks
Task 1 – [Name]
Description of Task:
Method/Procedure:
Deliverable:

Last Updated: June 2020

Tasks
Task 2 – [Name]
Description of Task:
Method/Procedure:
Deliverable:

Repeat for Task 3, Task 4, Task 5, etc.

Last Updated: June 2020

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.

Reporting Requirements

Progress Reports: The applicant 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.

Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant'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.

The CWCB will pay out the last 10% of the 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 purchase order or grant will be closed without any further payment.

Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. 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.

Costs incurred prior to the effective date of this contract are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received. All products, data and information developed as a result of this contract must be provided to CWCB in hard copy and electronic format as part of the project documentation.

Performance Measures

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 Water Plan Grant Guidelines, the CWCB will pay out the last 10% of the 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 purchase order or grant will be closed without any further payment.
(b) Accountability: Per Water Plan 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 Water Plan Grant Guidelines, Progress Reports must be

Performance Measures
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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Department of Natural Resources

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Water Plan Grant - Exhibit B
Budget Template Instructions

**** Please select the most appropriate budget template for your project from the worksheet tabs below. A general budget template is provided, as well as templates for studies, construction, and engineering projects.****

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Department of Natural Resources

Colorado Water Conservation Board

Water Plan Grant - Exhibit B
Budget and Schedule

Prepared Date: December 1, 2020

Name of Applicant: Dave Miller Mutual Ditch Company

Name of Water Project: Dave Miller Ditch Piping Project

Project Start Date: March 1, 2021

Project End Date: December 1, 2021

Task No.	Task Description	Performed By	Task Start Date	Task End Date	Grant Funding Request	CWCB Loan Funding Request	Matching In-Kind Funds	Total
1	Existing site survey with topo, CAD drawings, legal descriptions and as-builts	Rock Creek Surveying	3/1/2021	11/1/2021	$22,500	$22,500		$45,000
2	Piping design & engineering with alternative analysis, permitting, stamped construction drawings & construction inspections	Alliance Consulting Engineers	4/15/2021	10/1/2021	$30,000	$30,000		$60,000
3	Title Research for existing easement	Land Title Guarantee Co	3/1/2021	4/1/2021	$7,000	$7,000		$14,000
4	Project Construction (see construction budget)	Sickles Construction	7/1/2021	10/1/2021	$60,000	$77,218	$7,418	$144,636
5	Project & Grant Management	Crane Associates	3/1/2021	12/1/2021	$10,000	$10,000		$20,000
				Subtotal	$129,500	$146,718	$7,418	$283,636
6	20% Contingency				$28,364	$28,364		$56,727
				Total	$157,864	$175,082	$7,418	$340,363

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Colorado Water Conservation Board

Water Plan Grant - Detailed Budget Estimate

Engineer's Opinion of Cost - Fair and Reasonable Estimate

Prepared Date: 12/1/2020
Name of Applicant: Dave Miller Mutual Ditch Company
Name of Water Project: Dave Miller Ditch Piping Project

EXAMPLE C: Construction

Task 1 - Construction

Sub-task	Unit	Quantity	Unit Cost	Total Cost	CWCB Loan	CWCB Grant Funds	Matching Funds
Mobilization	LS	1	$ 18,000	$ 18,000	**$ 9,000**	**$ 9,000**	
12" SDR 41 100# PIP installed	LF	5,000	$ 20	$ 100,000	**$ 54,900**	**$ 45,100**	
12" x 2" tees with valves	EA	14	$ 200	$ 2,800	**$ 1,400**	**$ 1,400**	
Clearing and grubbing	AC	3.5	$ 4,300	$ 14,835	**$ 7,418**		**$ 7,418**
Erosion Control	LS	1	$ 8,000	$ 8,000	**$ 4,000**	**$ 4,000**	
Air vacs installed	EA	4	$ 250	$ 1,000	**$ 500**	**$ 500**	
TOTAL				$ 144,635	$ 77,218	$ 60,000	$ 7,418

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Colorado Water Conservation Board
Department of Natural Resources

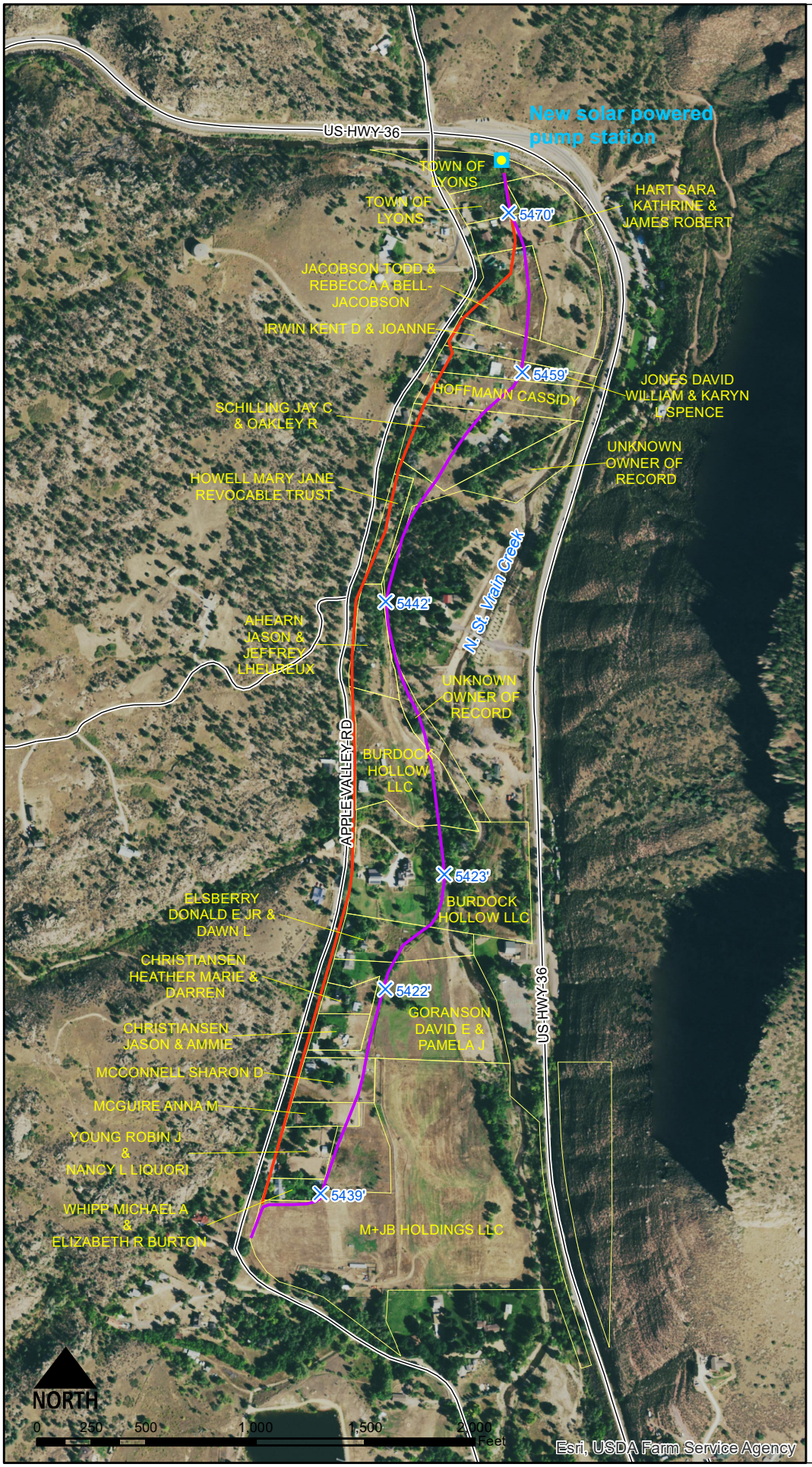
Colorado Water Conservation Board

Water Plan Grant - Detailed Budget Estimate
Fair and Reasonable Estimate

Prepared Date:
Name of Applicant:
Name of Water Project:

EXAMPLE B: Engineering

Task 1 - Engineering	**Water Consultants**					Subcontracts							
Sub-task	Senior Principal Engineer	Senior Water Resources Engineer/ Consultant	Water Resources Engineer	Geologist/ Water Resources Analyst	**Subtotal**	Geotechnical	Environmental and Cultural Resources	(Other)	**Subtotal**		Project Total	**CWCB Funds**	**Matching Funds**
	$ 190	$ 160	$ 130	$ 100		Lump sum	Lump Sum						
	Estimated Hours					Cost per							
Project Initiation / Stakeholder identification	12	32		16	**$ 9,000**				**$**	**-**	$9,000		
Water Rights Evaluation	24	24	80	30	**$ 21,800**			$ 12,000	**$**	**12,000**	$33,800		
Geotechnical	24			36	**$ 8,160**	$ 27,000			**$**	**27,000**	$35,160		
Permitting		32		40	**$ 9,120**				**$**	**-**	$9,120		
Survey	4	24		8	**$ 5,400**				**$**	**-**	$5,400		
Design of XXX	160	60	100		**$ 12,640**				**$**	**-**	$12,640		
Preparation of construction documents (bid docs, specs)	40	10	30										
Project Management	20	30		24	**$ 11,000**				**$**	**-**	$11,000		
Report, Conclusions, & Recommendations	40	54	16	40	**$ 22,320**			$ 3,000	**$**	**8,500**	$30,820		
Task 2 - ?													
TOTAL											**$146,940**		



Dave Miller Ditch
Phase 2
Proposed Ditch Piping

DETAILS:

LEGEND:

- Proposed Solar Powered Pump Station
- Handheld GPS Elevations
- Proposed New Alignment Dave Miller Ditch 5487.2 linear ft
- Appx Existing Alignment Dave Miller Ditch 4981.6 linear ft
- Street Centerlines
- Parcels

PREPARED FOR:

Dave Miller Mutual Ditch Company

PREPARED BY:

CRANE ASSOCIATES

LAYER PROJECTION:
Colorado State Plane, North Zone, NAD83

SOURCE OF MAP:
Boulder County GIS

DATE ISSUED: 8/1/2020

DRAWING NO: 1

SHEET NO: 1

LEFT HAND
watershed center

August 31, 2020

Re: Dave Miller Mutual Ditch Company Piping Project

Dear CWCB Board Members,

On behalf of Left Hand Watershed Center I am pleased to offer this letter of support for the Dave Miller Ditch Company's Piping Project. We have come to know the Ditch Company's vice president, Matt Rooney, working with him on a river restoration project that includes his property on the North St. Vrain. Matt Rooney has been an excellent partner on our project and I believe that he will be an effective and reliable leader on the Dave Miller Ditch project.

Left Hand Watershed Center works to protect and restore the watershed for people and the environment using a collaborative and science based approach. While historically we have focused our efforts solely in the Left Hand Watershed, we recently expanded our work to include the larger St. Vrain Basin. We would welcome the opportunity to work with and support the Dave Miller Ditch Company on this project and help the community recover from the 2013 flood.

I hope you agree that this proposal aligns with the Colorado Water Plan and that it could potentially serve as a foundation for similar efforts statewide. We give Matt Rooney and the Dave Miller Ditch Company our full support as they work to find resilient solutions that meet the goals of the Ditch Company and community.

Regards,

Jessica J. Olson
Executive Director
Left Hand Watershed Center
6800 Nimbus Road, Longmont CO 80503 (office)
P.O. Box 1074, Niwot, CO 80544-1074 (mailing)
303.530.4200 (office) | 303.746.7937 (cell)
jolson@watershed.center | www.watershed.center

LYONS
COLORADO

Colorado Water Conservation Board
Department of Natural Resources
1313 Sherman St., Rm. 718
Denver, CO 80203

RE: Water Plan Grant

Dear Members of the Board,

The Town of Lyons Board of Trustees would like to express our support for the Dave Miller Mutual Ditch Company's application to the Colorado Water Conservation Board's Water Plan Grant for their piping project. We believe this proposal aligns well with Colorado's Water Plan, and its scalability allows it to serve as a foundation for similar efforts statewide, making it a great candidate for funding.

In 2013, a 500-year flood event destroyed buildings, land, and infrastructure in the Lyons area. This was the worst recorded flood in the history of the town of Lyons; recovery has been a long journey that the Town and its residents grapple with still today. During the flood, the Dave Miller Ditch, which supplies water to fourteen shareholders in Apple Valley, was decimated, leaving only 20% of its length usable. The Dave Miller Mutual Ditch Company was awarded a DOLA grant for the reconstruction and repair of this ditch in 2018, which resulted in the construction of a solar array-powered electric pump to pump water into the piping system in 2019. In support, the Board of Trustees unanimously passed Resolution 2019-14, which allowed for an easement adjustment for this project that would have a lesser impact on Town land.

The Dave Miller Mutual Ditch Company's piping project has the goal of getting water to the shareholders in Apple Valley who lost access after the flood. In its current condition, the existing ditch has poor conveyance efficiency because it is earthen and laden with vegetation and other debris. If awarded, this grant would fund the installation of approximately 5,000 feet of the ditch with 12" pipe to service approximately 45 acres of agricultural use. This project would boost agricultural efficiency while maintaining fish and boat passage in the St. Vrain Creek for recreational users.

We believe that providing funding to aid in the implementation of the Dave Miller Mutual Ditch Company's piping project in the Apple Valley area is very important to the future of our town and our residents. We strongly encourage the Colorado Water Conservation Board to fund the Dave Miller Mutual Ditch Company's piping project through a Water Plan Grant.

Sincerely,

Nick Angelo, Mayor
Town of Lyons

DOUBLE GATEWAY
TO THE ROCKIES

TELEPHONE
303.823.6622

FACSIMILE
303.823.8257

432 5TH AVENUE • P.O. BOX 49
LYONS • COLORADO 80540

TOWNOFLYONS.COM

ST. VRAIN AND LEFT HAND WATER CONSERVANCY DISTRICT

9595 Nelson Road, Suite 203 • Longmont, CO 80501 • 303-772-4060 • www.svlhwcd.org

August 28, 2020

Dear CWCB Board Members,

On behalf of the St. Vrain and Left Hand Water Conservancy District, I am pleased to offer this letter of support for the Dave Miller Mutual Ditch Company's Piping Project. We believe this project will increase agricultural efficiency in an over-appropriated system, while maintaining fish and boat passage in St. Vrain Creek along a popular reach for recreational users.

Currently, the system is only capable of delivering water to the first 1,000 feet of ditch (20% of the total length). The proposed 5,000-foot section of pipe is the final component of flood repairs necessary to resume normal operations in the ditch system after the catastrophic 2013 rain event destroyed nearly all the in-stream infrastructure in the basin.

I trust you will agree this proposal aligns with Colorado's Water Plan and with its scalability can serve as a foundation for similar efforts statewide. For these reasons I believe this is an excellent project to fund with the limited resources available to CWCB.

Jason A. Roudebush, Water Resource Specialist