




Resource Engineering, Inc.  
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# Memorandum

**To:** BWCD BOARD OF DIRECTORS  
**From:** ERIC MANGEOT   
**CC:** CHRIS GEIGER  
**Date:** APRIL 20, 2023  
**File:** AMENDMENT – CONTRACT 518

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**Applicant Name:** Anna Edgerly

**Type of Use:** Domestic   X   Commercial         
Industrial        Agricultural       

**Amount:**   1.0   AF   0.033   cfs   15   gpm (previous contract amount 6.8 AF)

**Location:** Area A   A-4   Area B        Inclusion         
County:   GARFIELD   Contiguous:         
BWCD Division:   6  

**Mid Valley Metro District Notice Required?** Yes        No   X  

**Blue Creek Water Rights Applied?** Yes        No   X  

**02CW77 Umbrella Plan Water Rights Applied?** Yes   X   No        **Cost:**  \$2,250  (previously paid \$1,200)

This application is to cover depletions associated with a property owned by Anna Edgerly (Applicant). Uses included 2 single family dwellings, an apartment (0.75 EQR ), 4,150 square feet of irrigation, and 2 small ponds with a total surface area of 750 square feet. Total contract depletions are 0.5 acre-feet (AF) as shown on the attached table. The fee associated with the umbrella augmenation plan has increased due to 2.75 EQRs.

The contract will be associated with an approximate 4.75 acre lot that is located west of the El Jebel (17527 Highway 82). The property is in the SW1/4 of Section 33, Township 7 South, Range 87 West of the 6<sup>th</sup> P.M. The property is located within Division 6 of the District. A BWCD map is also attached showing the location of the property.

The main source of supply is an existing well (Permit No. 67194-F). The well is location in the NW1/4 SW1/4 of Section 33, Township 7 South, Range 87 West of the 6<sup>th</sup> P.M. at point UTM NAD83 Z13 317325.6 E, 4363500.5m N. The Applicant will need to get a new well permit for the revised used and shall provide the District with a copy of well permit once obtained. The Applicant also has rights in the Patterson and Cummins Ditch which feeds the small ponds during the irrigation season.

Water User :	Anna Edgerly	
Analysis Date :	April 20, 2023	
District Area:	A-2	
Source Series:	4	
Maximum Demand:	30	0.067
	(GPM)	(CFS)

BASALT WATER CONSERVANCY DISTRICT  
WATER REQUIREMENTS  
(acre feet)  
**Contract 518 Amendment**

Month	Total Demand						Consumptive Use						(13)* Delayed Depletions	(14) Source of Aug/Replace
	(1) Domestic In-house	(2) Pond Evap.	(3) Lawn Irrigation	(4) Crop Irrigation	(5) Livestock	(6) TOTAL	(7) Domestic In-house	(8) Pond Evap.	(9) Lawn Irrigation	(10) Crop Irrigation	(11) Livestock	(12)* TOTAL		
January	0.092	0.002	0.000	0.000	0.000	0.093	0.014	0.002	0.000	0.000	0.000	0.017	0.025	GNM
February	0.083	0.002	0.000	0.000	0.000	0.085	0.012	0.002	0.000	0.000	0.000	0.016	0.025	GNM
March	0.092	0.004	0.000	0.000	0.000	0.095	0.014	0.004	0.000	0.000	0.000	0.019	0.026	GNM
April	0.089	0.006	0.008	0.000	0.000	0.103	0.013	0.006	0.007	0.000	0.000	0.029	0.031	GNM
May	0.092	0.008	0.046	0.000	0.000	0.145	0.014	0.008	0.037	0.000	0.000	0.064	0.051	GNM
June	0.089	0.009	0.057	0.000	0.000	0.155	0.013	0.009	0.046	0.000	0.000	0.076	0.063	GNM
July	0.092	0.010	0.055	0.000	0.000	0.156	0.014	0.010	0.044	0.000	0.000	0.074	0.063	GNM
August	0.092	0.009	0.033	0.000	0.000	0.133	0.014	0.009	0.026	0.000	0.000	0.054	0.052	GNM
September	0.089	0.006	0.030	0.000	0.000	0.125	0.013	0.006	0.024	0.000	0.000	0.049	0.046	GNM
October	0.092	0.005	0.010	0.000	0.000	0.106	0.014	0.005	0.008	0.000	0.000	0.029	0.032	GNM
November	0.089	0.003	0.000	0.000	0.000	0.091	0.013	0.003	0.000	0.000	0.000	0.018	0.026	GNM
December	0.092	0.002	0.000	0.000	0.000	0.093	0.014	0.002	0.000	0.000	0.000	0.017	0.025	GNM
TOTALS -->	1.078	0.065	0.239	0.000	0.000	1.382	0.162	0.065	0.191	0.000	0.000	0.464	0.464	

Assumptions					
(1)	NUMBER OF RESIDENCES	2.75	(5)	# of Livestock @ 11 gals/day	0
	# persons/residence	3.5			
	# gallons/person/day	100	(7)	% CU for Domestic/Commercial	15
(2)	Commercial/Other Demand (af)	0.000	(9)	% Lawn Irrig. Efficiency	80
				Consumption of Irrig. (af/ac)	2.009
(3)	Sq. Ft. of Lawn Irrigated	4,150	(10)	% Crop Irrig. Efficiency	80
	Lawn Application Rate (af/ac)	2.511		Consumption of Irrig. (af/ac)	0.000
(4)	Acres of Crop Irrigated	0.00	(9-10)	Elevation (feet)	6390
	Crop Application Rate (af/ac)	0.000			

Area A-4  
Roaring Fork River  
Type A Well  
Evap from Ditch

\*(12) Total Includes 5% Transit Loss  
10% from Green Mtn.

**TABLE 1**  
**EVAPORATION CALCULATION - EDEGERLY (6,390 feet)**

Month	SEO Monthly Distribution	(1) Gross Lake Evaporation		(2) Average Precipitation		(3) Effective Precipitation		(4) Net Evaporation		(5) Total Pond Evaporation
		(feet)	(inches)	(feet)	(inches)	(feet)	(inches)	(feet)	(inches)	(acre-feet)
January	3.0%	0.11	1.35	0.10	1.20	0.00	0.00	0.11	1.35	0.0019
February	3.5%	0.13	1.58	0.09	1.03	0.00	0.00	0.13	1.58	0.0023
March	5.5%	0.21	2.48	0.10	1.20	0.00	0.00	0.21	2.48	0.0036
April	9.0%	0.34	4.05	0.10	1.24	0.00	0.00	0.34	4.05	0.0058
May	12.0%	0.45	5.40	0.11	1.32	0.00	0.00	0.45	5.40	0.0077
June	14.5%	0.54	6.53	0.11	1.30	0.00	0.00	0.54	6.53	0.0094
July	15.0%	0.56	6.75	0.13	1.59	0.00	0.00	0.56	6.75	0.0097
August	13.5%	0.51	6.08	0.14	1.71	0.00	0.00	0.51	6.08	0.0087
September	10.0%	0.38	4.50	0.14	1.64	0.00	0.00	0.38	4.50	0.0065
October	7.0%	0.26	3.15	0.12	1.38	0.00	0.00	0.26	3.15	0.0045
November	4.0%	0.15	1.80	0.10	1.23	0.00	0.00	0.15	1.80	0.0026
December	3.0%	0.11	1.35	0.10	1.25	0.00	0.00	0.11	1.35	0.0019
	<b>100.0%</b>	<b>3.75</b>	<b>45.00</b>	<b>1.34</b>	<b>16.09</b>	<b>0.00</b>	<b>0.00</b>	<b>3.75</b>	<b>45.00</b>	<b>0.0646</b>

(1) = Monthly distribution of gross annual evaporation rate in accordance with SEO General Criteria.

(2) = Monthly precipitation from local weather station.

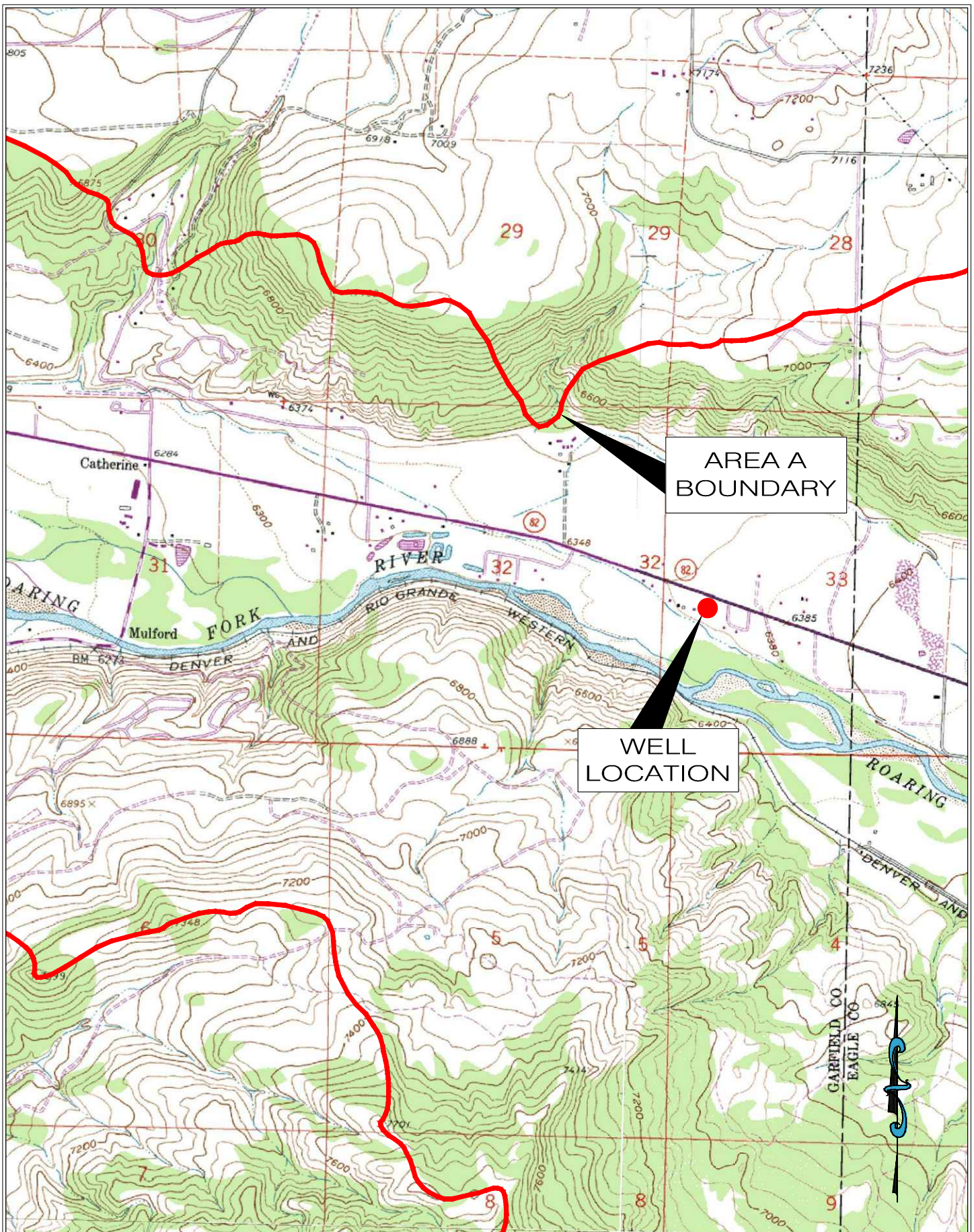
(3) = Equal to 0 per State Policy No. 2004-3.

(4) = Net Evaporation = Column (1) - Column (3)

(5) = Column (4) x Open Water Surface Area (0.017 acres) x Column (4) in feet.

750 square feet





**APPLICATION FOR WATER ALLOTMENT CONTRACT  
BASALT WATER CONSERVANCY DISTRICT**

1. Applicant(s) Contact Information
  - a. Name: Anna Edgerly
  - b. Mailing Address:  
17527 Highway 82  
Carbondale, CO 81623
  - c. Street Address:  
Same as above
  - d. Telephone Numbers: 970-274-2442
  - e. Email Address: anna@binbilla.com
  - f. If Applicant is represented by an Attorney, please provide the Attorney's contact information, including name, address, telephone, and email:
  - g. Emergency Local Contact Information, including name, address, telephone, and email:
  - h. Contact Information of property manager, caretaker, irrigator, system operator, or agent who should be provided a copy of this contract, including name, address, telephone, and email:
2. Type of land use (development) proposed for water allotment contract (i.e. single family home, subdivision, gravel pit, etc.): 2 SFHs, 1 ADU, 2 small ponds, irrigation
3. Legal description and address of property on which District's water rights and/or contract water will be used (attach map and vesting deed with proof of ownership)\*: Attached
4. Elevation of property:   X   6-7,000 ft.,        7-8,000 ft.,        8-9,000 ft.



5. Name and legal description of water supply diversion point(s):

Name of Diversion Rancho Trio-El Jebel LLC Well.

Type of Diversion Well (e.g., a well, spring, ditch, pipeline, etc.)

Legal Description: NW Quarter, SW Quarter, Section 33, Township 7 S,  
Range 87W, of the 6<sup>th</sup> Principal Meridian, at a location 3125 feet from the  
N Section line and 726 feet from the W Section line.

UTM Coordinates (NAD 83):

Northing: 4363500.5.

Easting: 317325.6.

       Zone 12 / X Zone 13.

If diversion point is a well, please provide the Well Permit No. 67194-F.

Is the well operational/active? X Yes,        No

Is there currently an operating well meter? X Yes,        No

Notice: A valid well permit with operating well meter will be required under the contract.

6. Legal Water Supply: (please check one)

X Applicant requests consideration by the District to be included in the District's Umbrella Plan for Augmentation decreed in Case No. 02CW77.\*

\*Note: Certain applicants may qualify to be included in the District's Umbrella Plan at the District's discretion. In order to be included in the District's Umbrella Plan, the Applicant's depletions must occur within the District's defined "Area A" and the Applicant must reimburse the District its *pro rata* share of the District's expenses in obtaining the Umbrella Plan decree. Costs of reimbursement are contingent upon location and intensity of the uses, and range from \$1,200 for contractees with less than 2 units (EQRs) in certain areas, to \$5,000 for more than 8 EQRs in Area A-3 (generally the Roaring Fork drainage above its confluence with the Fryingpan Rivers).

\_\_\_\_\_ Applicant will obtain its own plan for augmentation by applying to the Water Court, Water Division 5 within 2 years of this application. If Applicant has already applied for its own change/approval of plan for augmentation, the Water Court Case Number is: \_\_\_\_\_.

7. Proposed waste water treatment system: (please check)

- \_\_\_\_\_ Tap to central waste water treatment facility  
☒ Septic tank/leachfield system  
\_\_\_\_\_ Evapotranspiration system  
\_\_\_\_\_ Other:

8. Proposed use of water (please check)

- ☒ Domestic/Municipal (single family home(s), duplex(s), condominium(s), mobile home(s), apartment). Please complete page four of this application.  
\_\_\_\_\_ Commercial (hotel, office, warehouse, restaurant, bar, retail). Please complete page five of this application.  
\_\_\_\_\_ Industrial (gravel pit, manufacturing). Please complete page six of this application.  
\_\_\_\_\_ Agricultural (crop irrigation, stock watering). Please complete page seven of this application.

Date on which the county or other applicable governmental entities approved the land use for which you seek legal water service: \_\_\_\_\_. (Note: Copy of the Resolution of other documentation evidencing such approval should be submitted with application.)

9. What other water rights are associated with or used on the property?  
Patterson and Cummins Ditch, 0.125 cfs
10. What other uses of water occur on the property?  
Irrigation, see paragraph 9

Please complete the section below if you selected domestic/municipal use on Page 3, No. 8

DOMESTIC/MUNICIPAL WATER USES

In-House

Single family residential home(s)	Number of Units: _____ <u>2</u>
Duplex(s)	Number of Units: _____
Condominium(s)	Number of Units: _____
Apartment(s)	Number of Units/Rooms: _____ <u>0.5</u>
Mobile Home(s)	Number of Units: _____

Irrigation (lawns, parks, open space)

Total area to be irrigated \_\_\_\_\_ 4150 Sq. Ft. or \_\_\_\_\_ 0.1 Acres

Type of irrigation system (please check)

\_\_\_\_\_ X \_\_\_\_\_ Sprinkler

\_\_\_\_\_ Flood (irrigation ditch)

Domestic stock watering (cattle, horses)

Number of animals:

Period of use (months):

Other domestic/municipal uses not listed:

Evaporation from two small ponds with a total surface area of 750 sq. ft.



Please complete this page if you selected commercial use on Page 3, No. 8

COMMERCIAL WATER USES

In-House

Hotel: \_\_\_\_\_

Office(s), square footage: \_\_\_\_\_

Warehouse/distributor, square footage: \_\_\_\_\_

Retail, square footage: \_\_\_\_\_

Restaurant, number of seats: \_\_\_\_\_

Bar, number of seats: \_\_\_\_\_

Irrigation (lawns, parks, open space)

Total area to be irrigated \_\_\_\_\_ Sq. Ft. or \_\_\_\_\_ Acres

Type of irrigation system (please check)

\_\_\_\_\_ Sprinkler

\_\_\_\_\_ Flood (irrigation ditch)

Other Commercial Uses Not Listed:

Please complete this page if you selected industrial use on Page 3, No. 8

### INDUSTRIAL WATER USES

Please describe your industrial development in some detail:

Irrigation (lawns, parks, open space)

Total area to be irrigated \_\_\_\_\_ Sq. Ft. or \_\_\_\_\_ Acres

Type of irrigation system (please check)

\_\_\_\_\_ Sprinkler  
\_\_\_\_\_ Flood (irrigation ditch)

Please complete this page if you selected agricultural use on Page 3, No. 8.

### AGRICULTURAL WATER USE

#### Irrigation

Type of crop(s) (pasture, alfalfa, beans, etc.) and irrigation system:

Crop: \_\_\_\_\_ Acres: \_\_\_\_\_ Sprinkler: \_\_\_\_\_ Flood:

Crop: \_\_\_\_\_ Acres: \_\_\_\_\_ Sprinkler: \_\_\_\_\_ Flood:

Crop: \_\_\_\_\_ Acres: \_\_\_\_\_ Sprinkler: \_\_\_\_\_ Flood:

Crop: \_\_\_\_\_ Acres: \_\_\_\_\_ Sprinkler: \_\_\_\_\_ Flood:

#### Stock Watering (cattle, horses)

Number of animals:

Months of use:

Other agricultural uses not listed:

VERIFICATION

STATE OF COLORADO )  
 ) ss.  
COUNTY OF GARFIELD )

I, Anna Edgerly (name of Applicant or Applicant's duly authorized representative), being first duly sworn, upon oath, depose and state as follows:

- 1) I am the Applicant or a duly authorized officer, manager, agent or attorney-in-fact for the Applicant for this Application for Water Allotment Contract;
- 2) I have read and know the contents of this Application;
- 3) The information contained herein is an accurate and complete description of the Applicant's intended use of the Basalt Water Conservancy District's water rights;
- 4) The Applicant acknowledges that the accuracy and truth of all statements in this Application are conditions of approval of this Application by the Basalt Water Conservancy District and of the Contract to be made pursuant to such approval; and
- 5) I acknowledge that this application shall be subject to the District's Water Allotment Contract as approved and issued by the District.

Date: 4/13/2023

By: [Signature]

Print Name: Anna Edgerly

Title: owner

Subscribed and sworn before me this 13 day of April, 2023  
by Anna Edgerly

Witness my hand and seal.

My commission expires:  
06/23/2024

