




Resource Engineering, Inc.  
909 Colorado Avenue  
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(970)-945-6777 Voice  
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# Memorandum

To: BWCD BOARD OF DIRECTORS  
From: ERIC MANGEOT   
CC: CHRIS GEIGER  
Date: MAY 23, 2016  
File: APPLICATION – JOHN WALKER

Applicant Name: John Walker

Type of Use: Domestic  X  Commercial \_\_\_\_\_  
Industrial \_\_\_\_\_ Agricultural \_\_\_\_\_

Amount:  1.7  AF  0.033  cfs  15  gpm

Location: Area A  A-4  Area B \_\_\_\_\_ Inclusion \_\_\_\_\_  
County:  EAGLE  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:  \$1,200

This application is to cover depletions associated with a single family dwelling, 30,492 square feet (0.70 acres) of lawn and landscape irrigation and 3 livestock for John Walker (Applicant). The Applicant owns a 4.028 acre lot in the Zoline Subdivision located at 22401 Two Rivers Road in Eagle County (Parcel No. 246512401002) and is located in Division 6 of the District. Total depletions associated with this contract are 1.7 acre-feet (AF) as estimated by Resource Engineering, Inc.

Diversions are to be from an existing well (Permit No. 178788) located in the NE1/4 SE1/4 of Section 12, Township 8 South, Range 87 West, of the 6<sup>th</sup> P.M. at a point 1,400 feet from the South section line and 710 feet from the East section line. The current well permit is for indoor use only and the Applicant will need to amend their well permit to reflect the additional uses if the contract is approved.

A copy of the water requirement table and calculation sheets are attached along with a BWCD map showing the location of the property.

Water User :	John Walker
Analysis Date :	May 23, 2016
District Area :	A
Source Series :	4
Maximum Demand:	15 0.033 (GPM) (CFS)

**BASALT WATER CONSERVANCY DISTRICT  
WATER REQUIREMENTS**  
(acre feet)

Month	Total Demand				Consumptive Use						*(13) Delayed Depletions	(13) Source of Aug/Replace GNM		
	(1) Domestic In-house	(2) Commercial or Other	(3) Lawn Irrigation	(4) Crop Irrigation	(5) Livestock	(6) TOTAL	(7) Domestic In-house	(8) Commercial or Other	(9) Lawn Irrigation	(10) Crop Irrigation			(11) Livestock	(12) TOTAL
January	0.033	0.000	0.000	0.000	0.003	0.036	0.005	0.000	0.000	0.000	0.003	0.009	0.092	GNM
February	0.030	0.000	0.000	0.000	0.003	0.033	0.005	0.000	0.000	0.000	0.003	0.008	0.092	GNM
March	0.033	0.000	0.000	0.000	0.003	0.036	0.005	0.000	0.000	0.000	0.003	0.009	0.092	GNM
April	0.032	0.000	0.051	0.000	0.003	0.087	0.005	0.000	0.041	0.000	0.003	0.054	0.100	GNM
May	0.033	0.000	0.330	0.000	0.003	0.366	0.005	0.000	0.264	0.000	0.003	0.299	0.175	GNM
June	0.032	0.000	0.418	0.000	0.003	0.454	0.005	0.000	0.335	0.000	0.003	0.377	0.217	GNM
July	0.033	0.000	0.396	0.000	0.003	0.433	0.005	0.000	0.317	0.000	0.003	0.358	0.214	GNM
August	0.033	0.000	0.239	0.000	0.003	0.275	0.005	0.000	0.191	0.000	0.003	0.219	0.175	GNM
September	0.033	0.000	0.218	0.000	0.003	0.253	0.005	0.000	0.175	0.000	0.003	0.201	0.162	GNM
October	0.033	0.000	0.068	0.000	0.003	0.105	0.005	0.000	0.055	0.000	0.003	0.069	0.113	GNM
November	0.032	0.000	0.000	0.000	0.003	0.035	0.005	0.000	0.000	0.000	0.003	0.009	0.094	GNM
December	0.033	0.000	0.000	0.000	0.003	0.036	0.005	0.000	0.000	0.000	0.003	0.009	0.092	GNM
TOTALS -->	0.392	0.000	1.721	0.000	0.037	2.150	0.059	0.000	1.377	0.000	0.037	1.620	1.620	

**Assumptions**

(1)	(5)	(7)	(9)	(10)	(9-10)	*(12), (13)
NUMBER OF RESIDENCES	1	# of Livestock @ 11 gals/day	3			Total Includes 5% Transit Loss 10% from Green Mtn.
# persons/residence	3.5	% CU for Domestic/Commercial	15			
# gallons/person/day	100	% Lawn Irrig. Efficiency Consumption of Irrig. (af/ac)	80			
Commercial/Other Demand (af)	0.000	% Crop Irrig. Efficiency Consumption of Irrig. (af/ac)	1.986			
Sq. Ft. of Lawn Irrigated Lawn Application Rate (af/ac)	30,492	Elevation (feet)	6560			
Acres of Crop Irrigated Crop Application Rate (af/ac)	2.483					

Area A-4  
Well Type A - Permit No. 178788  
Roaring Fork River

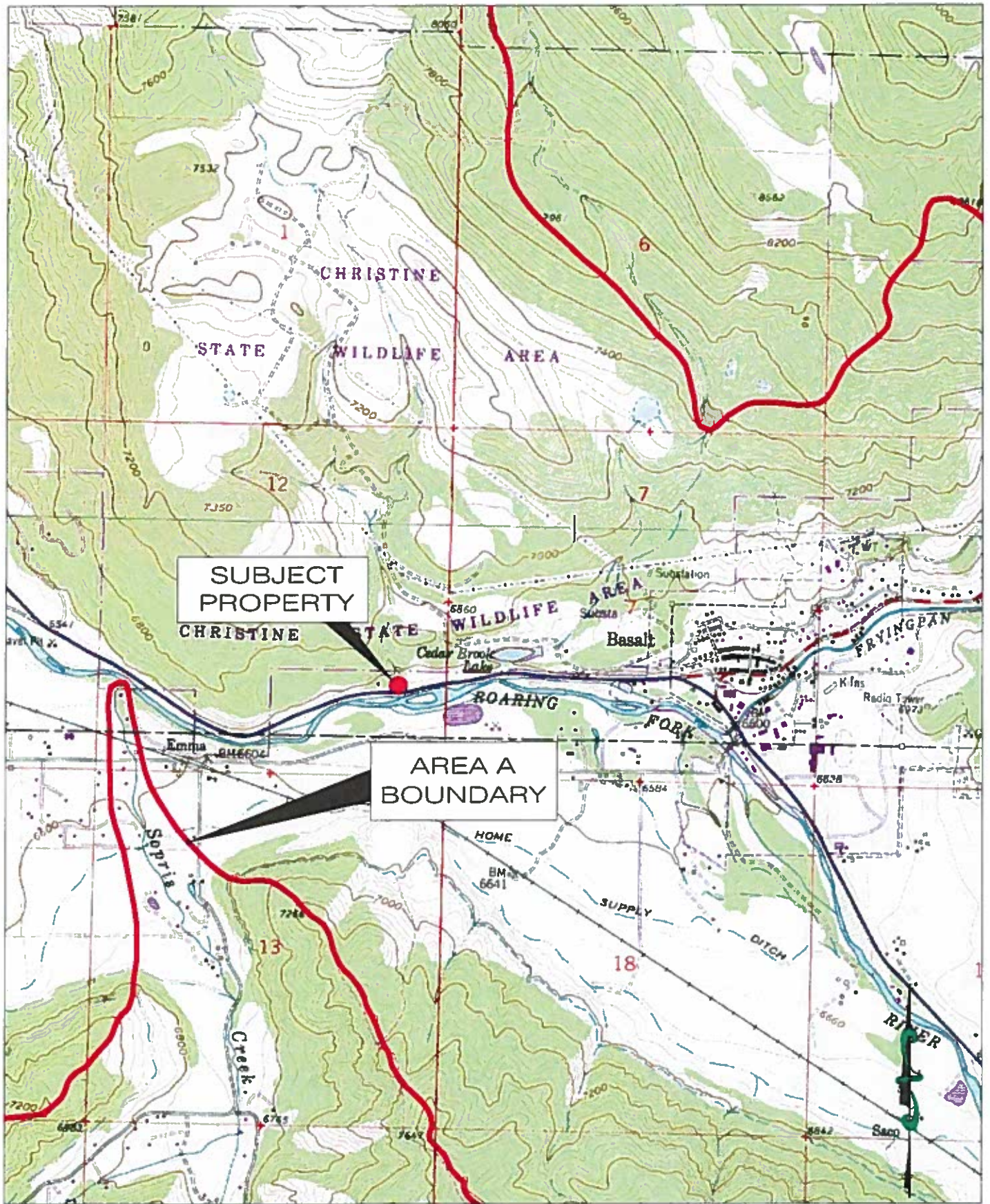


Figure 1: John Walker

File: 033-7.2  
Date: 02/23/18

Basalt Water Conservancy District



Scale: 1"=2,000'

**RESOURCE ENGINEERING, INC.**

909 Colorado Avenue  
Glenwood Springs, CO 81601  
(970) 945-8777 Voice 945-1137 Facsimile

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

1. Applicant(s) Contact Information
  - a. Name: John Walker
  - b. Mailing Address: 22401 Two Rivers Rd. Basalt, CO 81621
  - c. Street Address: (Same as above)
  - d. Telephone Numbers: 970-379-7598 / ANN 970 379 7802
  - e. Email Address: jwalk22401@aol.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: Ann Walker, 22401 Two Rivers Rd., Basalt, CO 81621. 970-379-7802. wesensten@hotmail.com
  - 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: n/a
2. Type of land use (development) proposed for water allotment contract (i.e. single family home, subdivision, gravel pit, etc.): Single Family

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)\*: Tract 61, T. 8 S. R. 86 and 87 W, of the 6<sup>th</sup> P.M. *Map? Deed attached*

4. Elevation of property:  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 \_\_\_\_\_.

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

Legal Description: NE Quarter, SE 160 Quarter, Section 12, Township 8.0 S, Range 87.0 W, of the 6<sup>th</sup> Principal Meridian, at a location 1400 South feet from the 710 E Section line and \_\_\_\_\_ feet from the \_\_\_\_\_ Section line.

UTM Coordinates (NAD 83):

Northing: 4359666.1

Easting: 323284.4

       Zone 12 /  Zone 13.

If diversion point is a well, please provide the Well Permit No. 178788.

Is the well operational/active?  Yes,  No

Is there currently an operating well meter?  Yes,  No

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

6. Legal Water Supply: (please check one)

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) N/A

- \_\_\_\_\_ Tap to central waste water treatment facility
- Septic tank/leachfield system *EF*
- \_\_\_\_\_ 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? NONE
  
10. What other uses of water occur on the property? NONE

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>1</u>
Duplex(s)	Number of Units: _____
Condominium(s)	Number of Units: _____
Apartment(s)	Number of Units/Rooms: _____
Mobile Home(s)	Number of Units: _____

Irrigation (lawns, parks, open space)

Total area to be irrigated \_\_\_\_\_ Sq. Ft. or .7 Acres

Type of irrigation system (please check)

X  Sprinkler

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

Domestic stock watering (cattle, horses)

Number of animals: 3

Period of use (months): 12

Other domestic/municipal uses not listed: NONE



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:

