RESOURCE ENGINEERING INC.

Resource Engineering, Inc.
909 Colorado Avenue
Glenwood Springs, CO 81601
(970)-945-6777 Voice
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Memorandum

To: BWCD BOARD OF DIRECTORS

From: ERIC MANGEOT

CC: CHRIS GEIGER

Date: JUNE 7, 2005

File: APPLICATION

Re: PATRICK BURKE APPLICATION

Applicant Name: PATRICK BURKE APPLICATION

Type of Use: Domestic _X_ Commercial ____
Industrial ____ Agricultural ____

Amount: _0.2_ AF _0.033_ CFS _15_ gpm

Location: Area A _X_ Area B _____ Inclusion _____

County: GARFIELD Contiguous: _Yes_

BWCD Division: _3_

Mid Valley Metro District Notice Required ?: Yes ___ No _X_

Blue Creek Water Rights Applied? Yes ___ No _X_

Comments: This application seeks a contract to cover depletions for a single family residence and 2,500 square feet of landscape irrigation. The property is situated in a parcel of land in NE1/4 Sw1/4, Section 23, Township 7 South, Range 88 West of the 6th P.M. The property is located in the Crystal Spring area northeast of the Town of Basalt.

A copy of the water requirements table is attached along with a BWCD map showing the location of the property.

Water User :	Patrick Burke
Analysis Date :	June 7, 2005
District Area:	A
Source Series:	5
Maximum Demand:	15 (GPM) 0.033 (CFS)

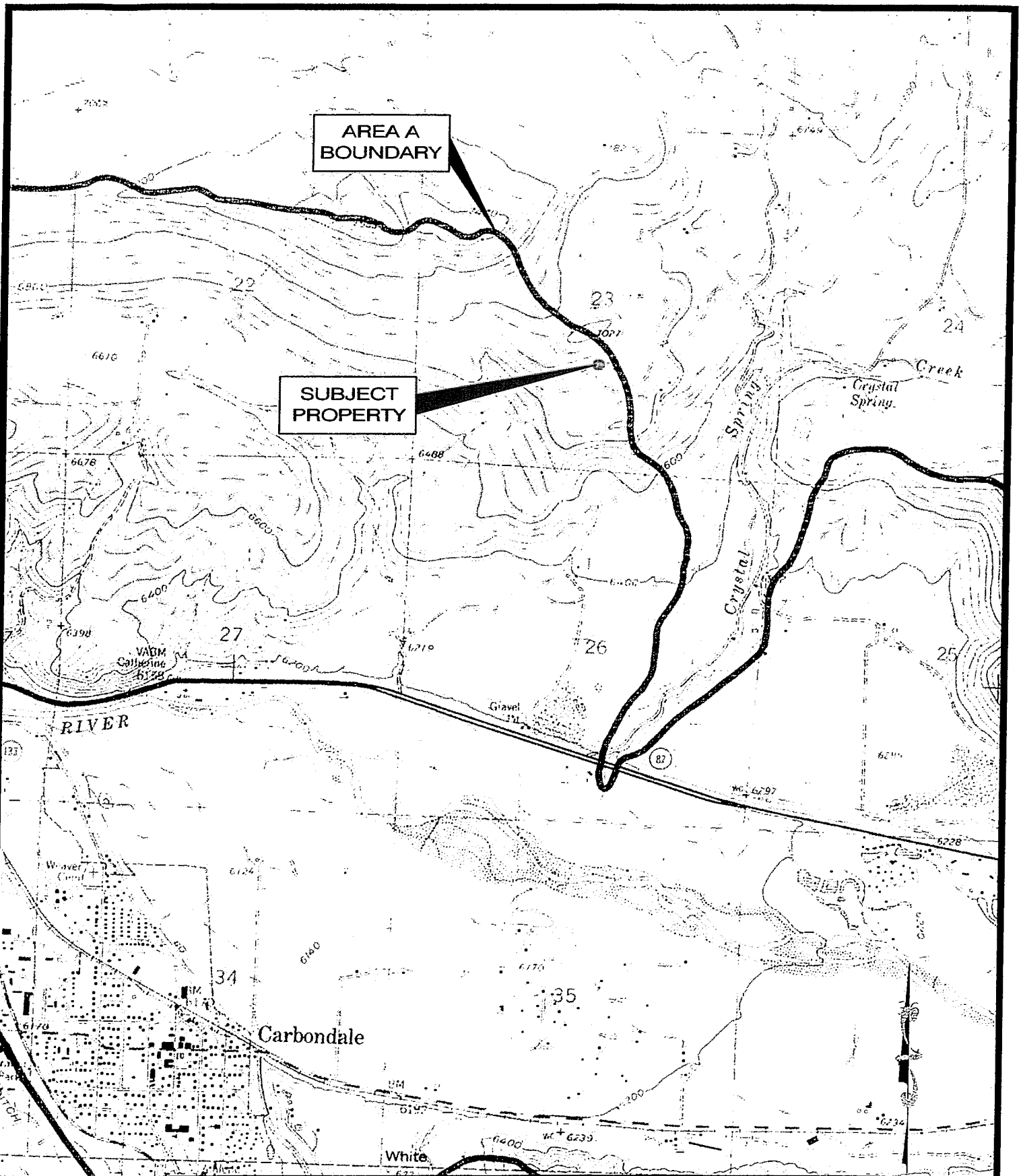
BASALT WATER CONSERVANCY DISTRICT
WATER REQUIREMENTS
(acre feet)

	Total Demand						Consumptive Use						
Month	(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	(13) Source of Aug/Replace
January	0.033	0.000	0.000	0.000	0.000	0.035	0.005	0.000	0.000	0.000	0.000	0.005	GNM
February	0.030	0.000	0.000	0.000	0.000	0.032	0.005	0.000	0.000	0.000	0.000	0.005	GNM
March	0.033	0.000	0.000	0.000	0.000	0.035	0.005	0.000	0.000	0.000	0.000	0.005	GNM
April	0.032	0.000	0.002	0.000	0.000	0.036	0.005	0.000	0.002	0.000	0.000	0.007	GNM
May	0.033	0.000	0.026	0.000	0.000	0.062	0.005	0.000	0.021	0.000	0.000	0.027	TED
June	0.032	0.000	0.034	0.000	0.000	0.069	0.005	0.000	0.027	0.000	0.000	0.033	TED
July	0.033	0.000	0.031	0.000	0.000	0.068	0.005	0.000	0.025	0.000	0.000	0.032	TED
August	0.033	0.000	0.019	0.000	0.000	0.055	0.005	0.000	0.015	0.000	0.000	0.021	TED
September	0.032	0.000	0.017	0.000	0.000	0.052	0.005	0.000	0.014	0.000	0.000	0.019	TED
October	0.033	0.000	0.004	0.000	0.000	0.039	0.005	0.000	0.003	0.000	0.000	0.009	GNM
November	0.032	0.000	0.000	0.000	0.000	0.034	0.005	0.000	0.000	0.000	0.000	0.005	GNM
December	0.033	0.000	0.000	0.000	0.000	0.035	0.005	0.000	0.000	0.000	0.000	0.005	GNM
TOTALS -->	0.392	0.000	0.133	0.000	0.000	0.552	0.059	0.000	0.107	0.000	0.000	0.176	

Assumptions

(1)	NUMBER OF RESIDENCES	1		(5)	# of Livestock @ 15 gals/day	0
	# persons/residence	3.5				
	# gallons/person/day	100		(7)	% CU for Domestic/Commercial	15
(2)	Commercial/Other Demand (af)	0.000	Office	(9)	% Lawn Irrig. Efficiency	80
					Consumption of Irrig. (af/ac)	1.865
(3)	Sq. Ft. of Lawn Irrigated	2,500		(10)	% Crop Irrig. Efficiency	80
	Lawn Application Rate (af/ac)	2.331			Consumption of Irrig. (af/ac)	0.000
(4)	Acres of Crop Irrigated	0.00		(9-10)	Elevation (feet)	7000
	Crop Application Rate (af/ac)	0.000				

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



DATE: 06/07/05	JOB NUMBER: 033-7.2	CHECKED BY: RSF	SCALE: 1"=2000'

RESOURCE ENGINEERING, INC.
909 COLORADO AVE. ■ GLENWOOD SPRINGS, CO 81601
(970) 945-8777 ■ FAX (970) 945-1137

Partrick Burke
Location Map

FIGURE
1

APPLICATION FOR WATER ALLOTMENT CONTRACT
BASALT WATER CONSERVANCY DISTRICT

1. Applicant(s) Name(s): Patrick Burke

   Applicant (s) Address: 222 E. 71st Street, Apt. 2D
   New York, N.Y. 10021

   Applicant(s) Telephone No(s): 210-603-5710

   Attorney Info (Name, Address, Telephone and Fax No(s)., E-mail)

   Sherry A. Caloia
   Caloia, Houpt and Hamilton, P.C.
   1204 Grand Avenue
   Glenwood Springs, CO 81601
   (970) 945-6067
   (970) 945-6292
   scaloia@sopris.net

2. Type of land use (development) proposed for water allotment contract, i.e. single family home, subdivision, gravel pit, etc.)

   Single family home

3. Legal description of property on which District's water rights and/or Ruedi Reservoir contract water shall be used; Quarter, Quarter, Section, Township, Range (attach map and vesting deed with proof of ownership)*:

4. Elevation zone 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): include Quarter, Quarter, Section, Township, Range, bearing and distance from nearby Section corner. (Identify if well, spring, pipeline, etc.) If diversion point is a well, Please provide the State Permit No. None

   NE ¼ SW ¼ Sec 23, T75, R88W 6th P.M.
   2500 from West 1650 from South Sec lines

6. Has Applicant applied with the Water Court for water rights, change of water rights and/or a water plan for augmentation? _____ Yes, __☒___ No; If yes, what is the Water Court Case No.

7. Proposed waster 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, hotel). Please complete page two of this application.
_____ Commercial (office, warehouse, restaurant, bar, retail). Please complete page three of this application.
_____ Industrial (gravel pit, manufacturing). Please complete page three of this application.
_____ Agricultural (crop irrigation, stock watering). Please complete page four of this application.

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

The undersigned acknowledges receipt of the District's form Water Allotment contract and agrees that this Application is made pursuant to the terms and conditions thereof.

Signature

5/23/05
Date

Print name: Patrick T. Burke

Title: Owner

Please complete this page if you checked domestic/municipal use on Page 1, No. 8

DOMESTIC/MUNICIAPL WATER USES

In-House

Single family residential home(s) Number of Units: _____1_____

Duplex(s) Number of Units: _____

Condominium(s) Number of Units: _____

Hotel/Apartment(s) Number of Units: _____

Mobile Home(s) Number of Units: _____

Irrigation (lawns, parks, open space)

Total area to be irrigated __2500_____ Sq. Ft. or ___.06____ Acres

Type of Irrigation System (please check)

____☒ ___ Sprinkler

_____ Flood (irrigation ditch)

Domestic stock watering (cattle, horses)

Number of Animals: 0

Period of use (months):

Other domestic/municipal uses not listed: