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AUG 11 2010

DEPT. OF WATER RESOURCES
SOUTHERN REGIONSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of IdahoIdent. No. 37-22545
767421. Name of applicant(s) Blaine County School District #61 Phone 208-578-5000
Name connector (check one): ☐ and ☐ or ☐ and/orMailing address: 118 West Bullion Street City HaileyState ID Zip 83333 Email: mchatterton@blaineschools.org2. Source of water supply Ground water which is a tributary of _____

3. Location of point(s) of diversion:

Twp	Rge	Sec	Govt Lot	¼	¼	¼	County	Source	Local name or tag #
T2N	R18E	10			SW	SE	Blaine	Ground Water	WRHS Prod.#1
T2N	R18E	10			SW	SE	Blaine	Ground Water	WRHS Prod.#2
T2N	R18E	10			SW	SE	Blaine	Ground Water	WRHS Prod. #3
T2N	R18E	10			SW	SE	Blaine	Ground Water	WRHS Prod.#4

4. Water will be used for the following purposes:

Amount 9.4 cfs for heating and cooling purposes from Jan 1 to Dec 31 (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)5. Total quantity to be appropriated is (a) 9.4 cfs cubic feet per second (cfs) and/or (b) _____ acre-feet per year (af).

6. Proposed diverting works:

a. Describe type and size of devices used to divert water from the source. Pumped from ground water resources. None of these 4 wells exist and will all be new extraction wells.b. Height of storage dam n/a feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11.For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☐ Noc. Proposed well diameter is 12 inches; proposed depth of well is 160 feet.d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ Noe. If well is already drilled, when? n/a; drilling firm _____;

Well was drilled for (well owner) _____; Drilling Permit No. _____

7. Description of proposed uses (if irrigation only, go to item 8):

a. Hydropower; show total feet of head and proposed capacity in kW. _____

b. Stockwatering; list number and kind of livestock. _____

c. Municipal; show name of municipality or the applicant's qualifications as a municipal provider. _____

d. Domestic; show number of households _____

e. Other; describe fully. Ground water heat pump for heating and cooling. Ground water will be pumped from high capacity wells.

8. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
T2N	R18E	10														G/L			7.8 csf
T2N	R18E	10															G/L		1.1 cfs
T2N	R18E	10															G/L		0.5 cfs

Total number of acres to be irrigated: n/a

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping? No other water rights are used for heating and cooling.

10. a. Who owns the property at the point of diversion? Blaine County School District #61
- b. Who owns the land to be irrigated or place of use? Blaine County School District #61
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: n/a

11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. The ground water is to be used for heating and cooling of the Wood River High School, Community Campus Building and Silver Creek High School Building. The water will be withdrawn from the aquifer near the schools and be re-injected into the same aquifer at approximately 10 degrees F delta-T with no chemical change.

Irrigation water from Hailey City Supply and existing ground water rights. Culinary domestic water from Hailey City supply.

12. Time required for completion of works and application of water to proposed beneficial use is 3 years (minimum 1 year).
13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

Signature of Applicant

Signature of Applicant

JOHN BLACKMAN
Print Name (and title, if applicable)

ASSISTANT SUPERINTENDENT
Print Name (and title, if applicable)

For Department Use:

Received by B. Walker Date 8/11/10 Time 2:31 pm Preliminary check by B. Walker
Fee \$ 610⁰⁰ Receipted by B. Walker Receipt No. 5031577 Date 8/10/10



Memo

July 27, 2010

RE: Blaine County School District - Geothermal Well Water Calculations
Fox Acres Site

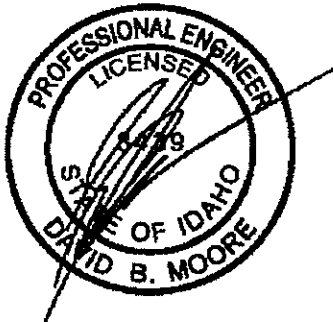
As requested, this memo provides the calculations used to establish the flow rates for geothermal projects for the Blaine County School District.

Building	Current Condenser Water Use (GPM)	Estimated Additional Condenser Water Use (GPM)	Total Condenser Water Use (GPM)	Safety Factor	Flow rate (GPM)
Wood River H.S.	1,350	1,350	2,700	30%	3,510
Community Campus Bldg	394	-	394	30%	512
Support Services Building	166	-	166	30%	216
Total Fox Acres Site					4,238

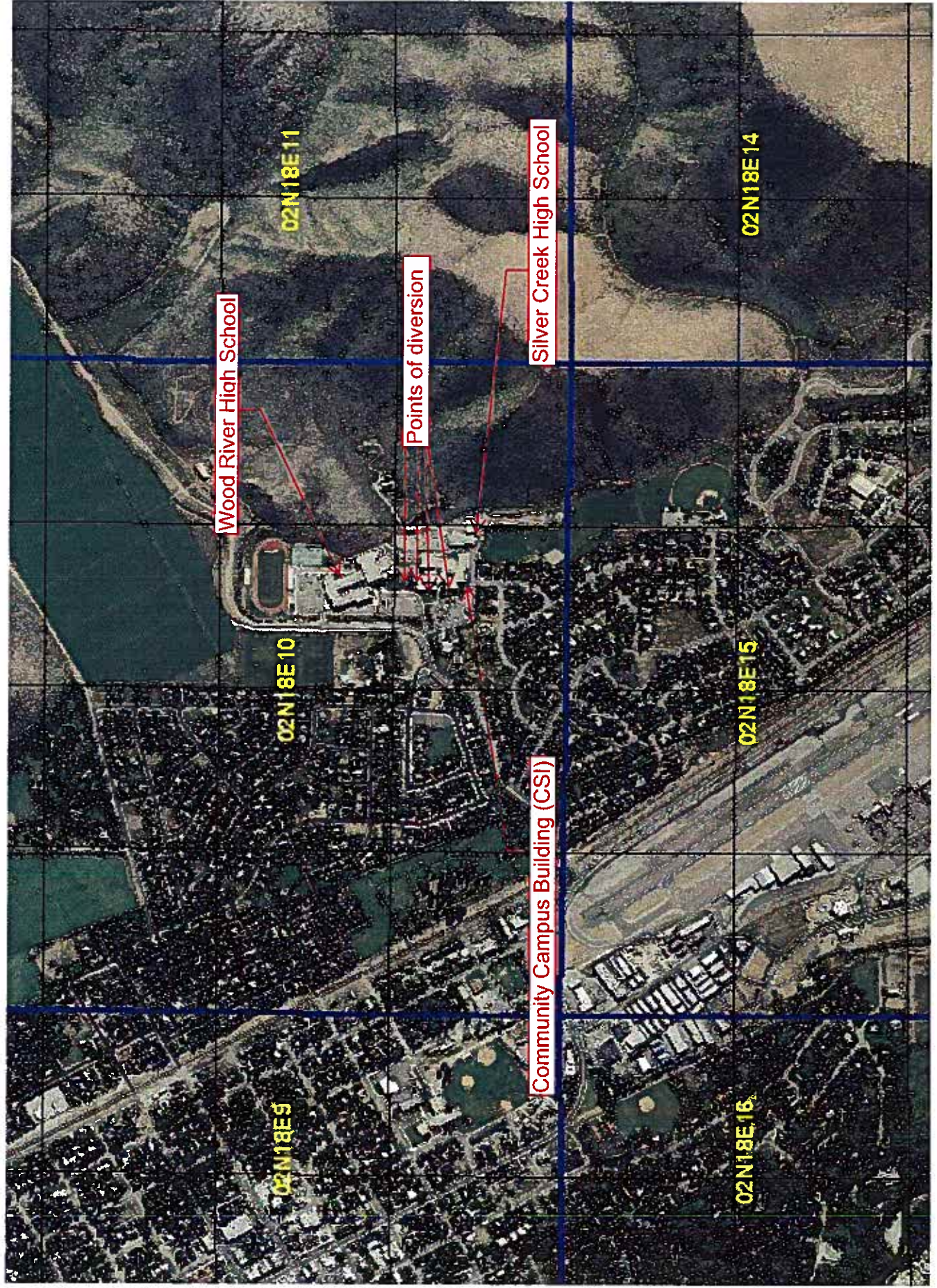
7.8 CFS
1.1 CFS
.48 CFS
9.38 CFS

If you have any questions, please contact me.

Signed,



David B. Moore, P.E.
McKinstry Co.





Wood River High School

Points of diversion

Silver Creek High School

Community Campus Building (CS1)

02N18E11

02N18E10

1E9

1E8