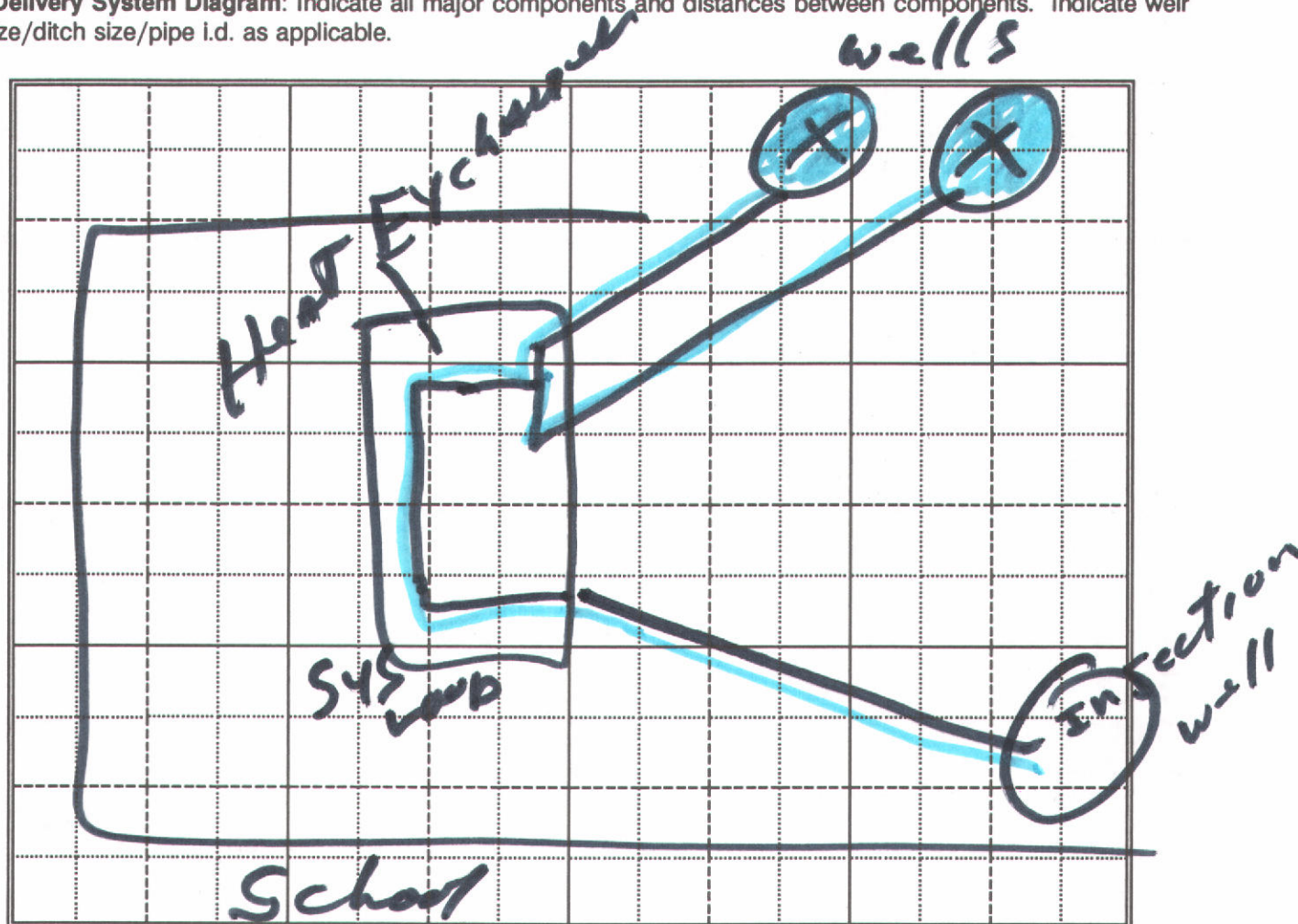


3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = _____.

____ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

____ Aerial Photo Attached (required for irrigation of 10+ acres)

____ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	mod. Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
2 →	Goolds	30	7000	Goold	

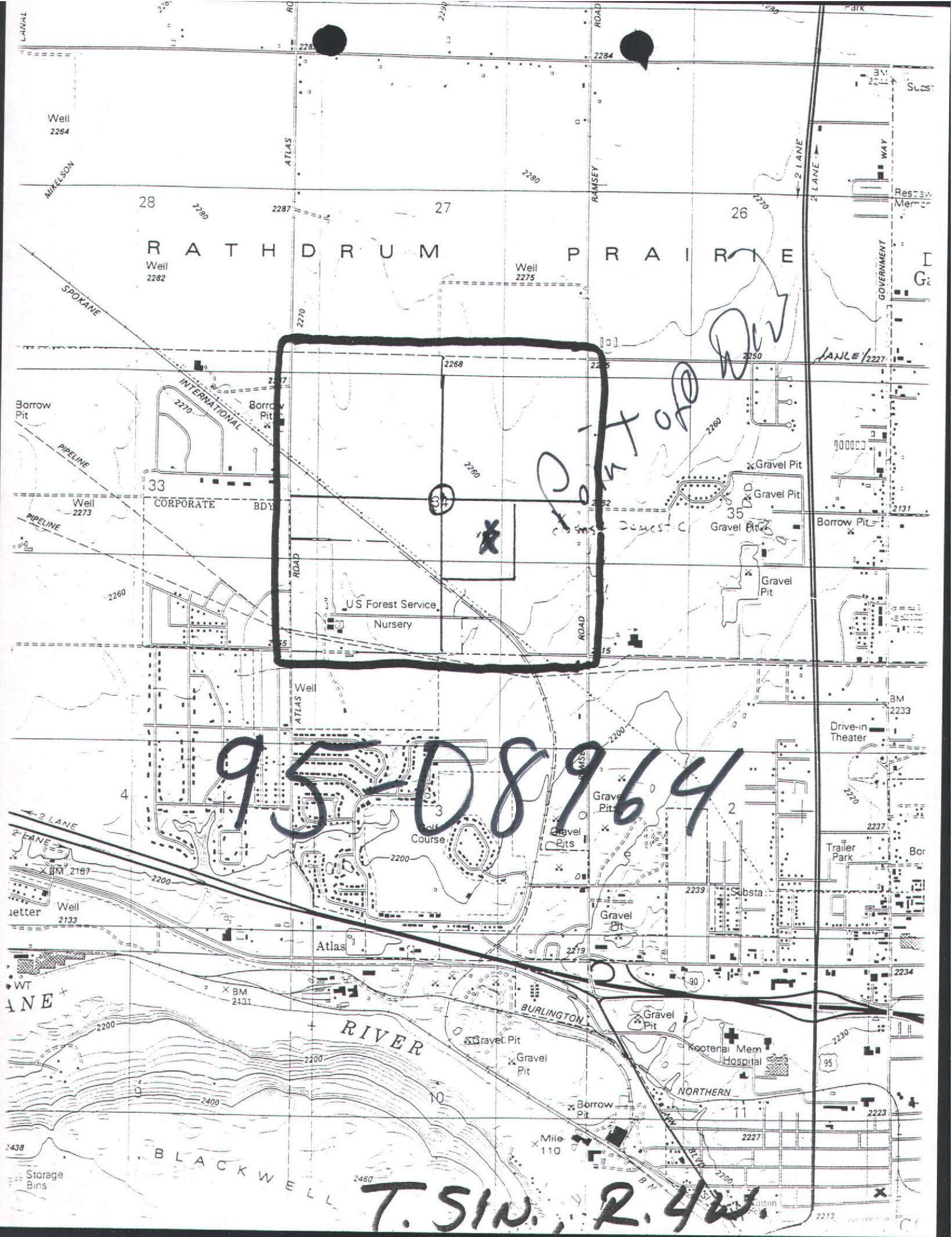
*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

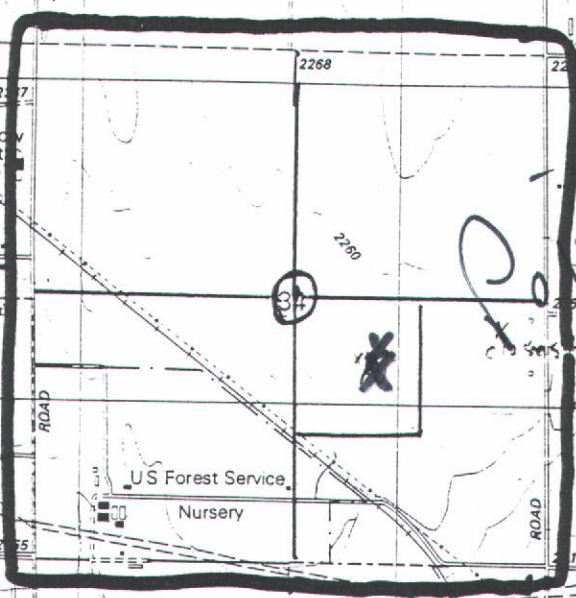
1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: _____



RATHDRUM PRAIRIE



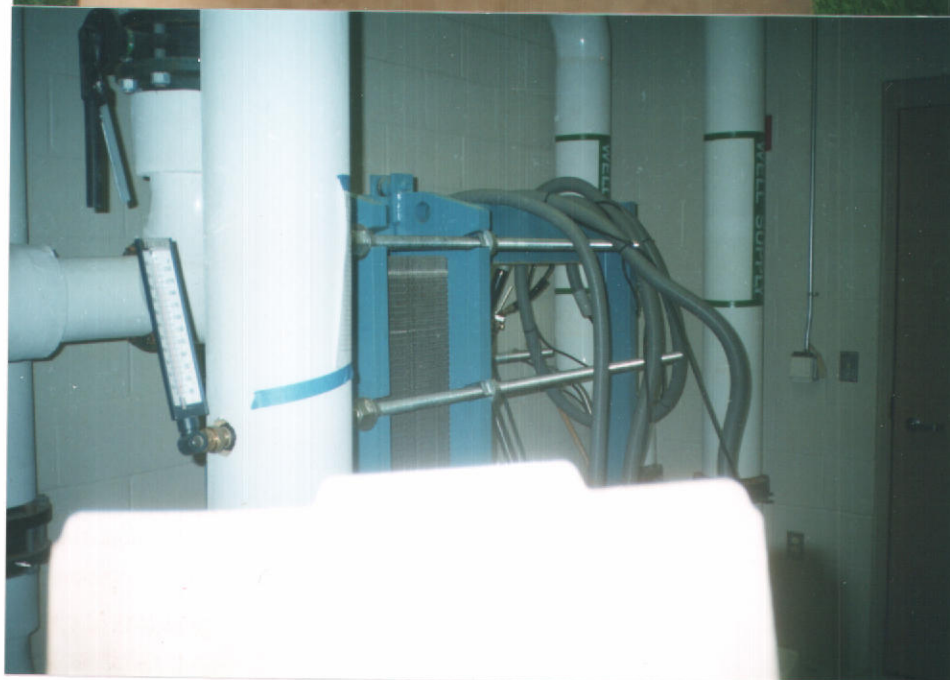
Part of Div

95-08964

T. SIN. R. 4W.



95



95

95-08964

RECEIVED

OCT 1 2 2000

FOR OFFICE USE ONLY
Amt. of Fee \$: 100.00
Receipt No. 050768
Receipt By: JAW/SM
Date Received: 10/2/00

STATE OF IDAHO Department of Water Resources
DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner.

1. Permit No. 95-08964 Telephone No. 1-208-664-8241
2. Name of Permit Holder(s):
Coeur D'Alene School Dist #221
3. Mailing Address: 311 N 10th
City Coeur D'Alene State Id Zip 83814
4. Source of Water: Well If GROUNDWATER (well), Date Drilled: mo. 10 / yr. 99
Well Driller: United Drilling Drilling Permit Number: 95-99-N-0152-000
5. Use(s) (as authorized by the water right permit):

Domestic (No. of households): _____ Stockwater (No. and type of stock): _____

Irrigation (No. of acres): _____ Other: HVAC Close Loop Heating system return

6. Total rate of diversion and/or volume for which proof is submitted: 1 cfs OR _____ acre-feet

7. Measuring Device Requirement: (refer to the approval conditions on your permit and respond accordingly)
(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device: Is a measuring device required?
Has the measuring device been installed?

Yes _____ or No ✓
Yes ✓ or No _____

8. Fee Enclosed: \$ 100 (See Fee Schedule on back of the instructions for filing proof of beneficial use)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: Bryan Martin Telephone Number: 208-664-8241

Address: 311 N 10th

10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted. I agree to relinquish any undeveloped portion of the permit to the State of Idaho.

Signature of permit holder: Bryan Martin Dir of Maintenance Date: 10-4-00
(include your title, if on behalf of company or organization)

MICROFILMED

JAN 18 2001

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 95-08964

Proposed Priority: May 21, 1997

Maximum Diversion Rate:

1.00 CFS

This is to certify, that SCHOOL DISTRICT NO 271

311 N 10TH ST

COEUR D ALENE ID 83814

has applied for a permit to appropriate water from: GROUNDWATER

and a permit is APPROVED for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
HEATING	01/01 to 12/31	1.00 CFS
COOLING	01/01 to 12/31	1.00 CFS
	Totals	1.00 CFS

LOCATION OF POINT(S) OF DIVERSION:

NWSE , Sec. 34, Township 51N, Range 04W
KOOTENAI County

PLACE OF USE: HEATING

TWN RGE SEC

51N 04W 34

NWSE

PLACE OF USE: COOLING, same as HEATING use

CONDITIONS OF APPROVAL AND REMARKS

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before November 1, 2000.
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.
4. After specific notification by the department, the right holder shall install a suitable measuring device or shall enter into an agreement with the department to determine the amount of water diverted from power records and shall annually report the information to the department.
5. Return flow discharged to a subsurface system must be authorized by a separate injection well permit.
6. Two points of diversion and one point of injection are located within NWSE, S34, T51N, R04W.
7. Heating and cooling uses are for a middle school.

RECORDED

FEB 13 1998

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 95-08964

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.
Witness the signature of the Director, affixed at Boise, this

10th day of November, 1997.

Karl J. Dreher
for Karl J. Dreher, Director



INCORPORATED

FEB 13 1998

Ident. No. 95-08964

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

RECEIVED
JUL 14 1997

Department of Water Resources

1. Name of Applicant Coeur d'Alene School District No. 271 Phone (208)664-8241
Post Office address 311 N 10TH ST Coeur d'Alene Id 83814
2. Source of water supply Groundwater which is a tributary of N/A
3. Location of point of diversion is NW 1/4 of SE 1/4 of 1/4, Govt. Lot
Sec. 34 Township 51N Range 4W B.M. Kootenai County; additional points of
diversion if any:
4. Water will be used for the following purposes:
Amount 1.0 for Heating purposes from 1/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount 1.0 for Cooling purposes from 1/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount for purposes from to (both dates inclusive)
(cfs or acre-feet per annum)
Amount for purposes from to (both dates inclusive)
(cfs or acre-feet per annum)
5. Total quantity to be appropriated is (a) 1.0 and/or (b)
cubic feet per second acre feet per annum
6. Proposed diverting works:
 - a. Description of ditches, flumes, pumps, headgates, etc. 2)8" Wells- Paralell Operation - 1) 10"
Recharge
 - b. Height of storage dam feet; active reservoir capacity acre-feet; total
reservoir capacity acre-feet; period of year when water will be diverted to storage:
 to inclusive.
 - c. Proposed well diameter is inches; proposed depth of well is feet.
 - d. Is ground water with a temperature of greater than 85°F being sought? No
 - e. If well is already drilled, when? ; Drilling firm :
Well was drilled for (well owner)
7. Time required for completion of works and application of water to proposed beneficial use is 3 years (minimum 1 year)
8. Description of proposed uses (if irrigation only, go to item 9):
 - a. Hydropower; show total feet of head and proposed capacity if KW.
 - b. Stockwatering; list number and kind of livestock.
 - c. Municipal; show name of municipality.
 - d. Domestic; show number of households.
 - e. Other; describe fully. Extracted Groundwater is run through a heat exchanger & reinjected
into ground- Used to Heat & Cool Structure

FEB 13 1998

9. 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	N E				N W				S W				S E				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
51N	4W	34														L			0
51N	4W	34														G			0
51N	4W	34														G			0

Total number of acres to be irrigated 0

10. Describe any other water rights used for the same purposes as described above. _____

11. a. Who owns the property at the point of diversion? School District No. 271

b. Who owns the land to be irrigated or place of use? School District No. 271

c. If the property is owned by a person other than the applicant, describe the arrangement enable the applicant to make this filing: _____

12. Remarks: _____

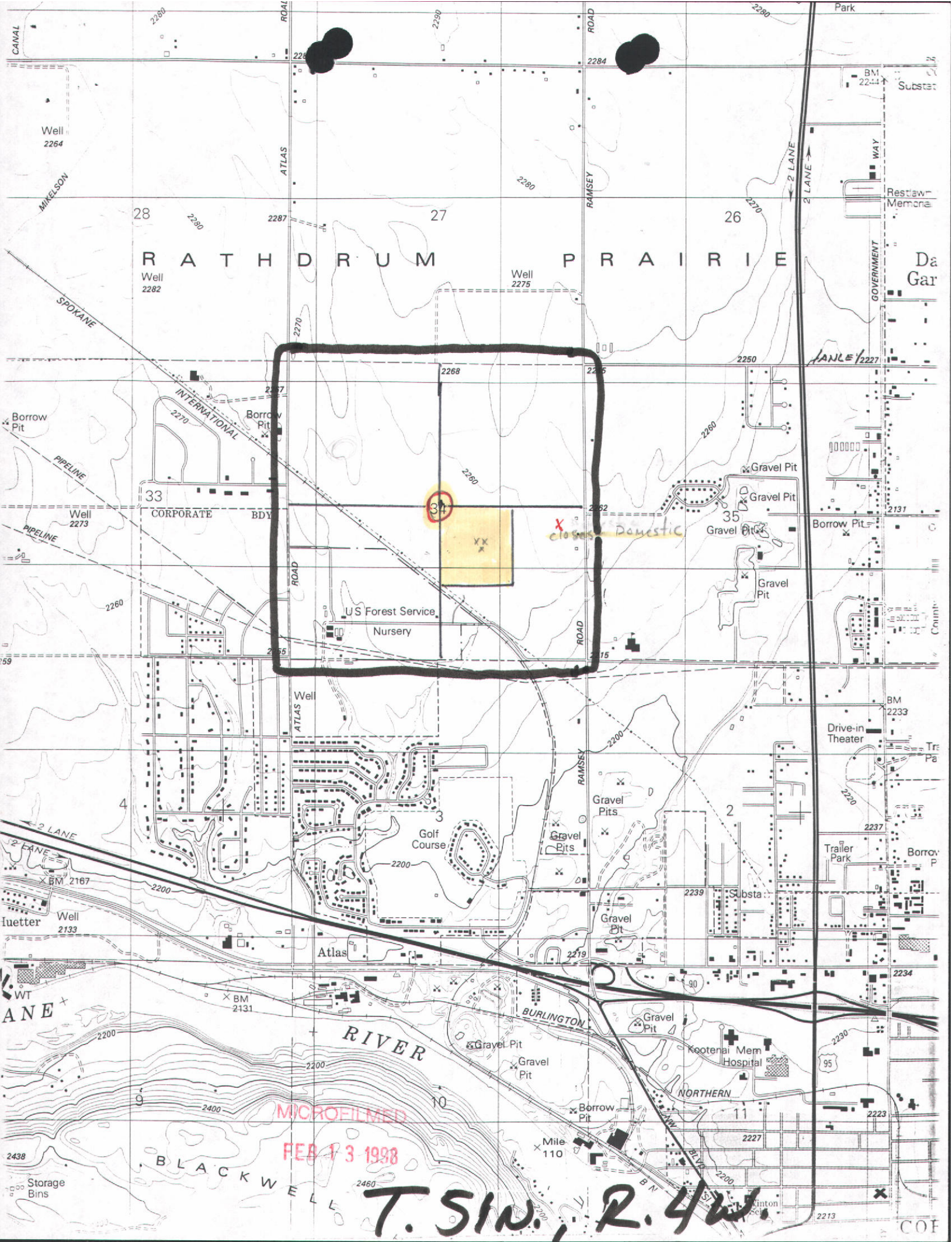
13. MAP OF PROPOSED PROJECT ATTACHED _____ Show clearly the proposed point of diversion, place of use, section number, township and range number.

BE IT KNOWN that the undersigned hereby makes this application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Dave Treats Asst Supt
(Applicant)

Received by db Date 5/21/97 Time 9:00 a Preliminary check by _____
 Fee \$ 100.00 Receipted by db # N011202 Date 5/19/97
 Publication prepared by db Date 5/23/97 Published in CAD Press 6/5/97
 Publication approved db Date 6/10/97

MICROFILMED
FEB 13 1998



RATHDRUM PRAIRIE

34

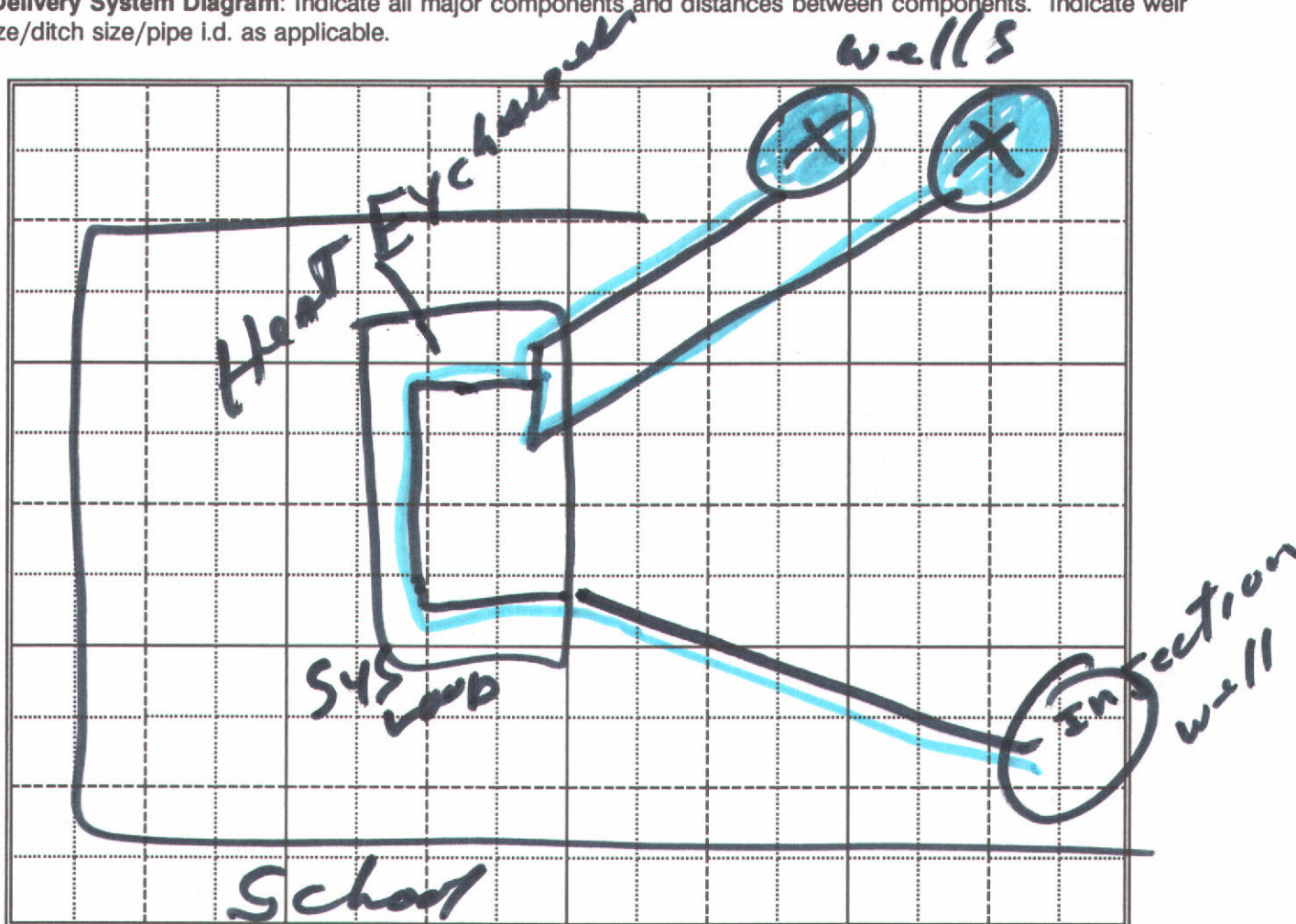
X close Domestic

MICROFILMED
FEB 13 1998

T. SIN. R. 4W.

[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = _____.

____ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

____ Aerial Photo Attached (required for irrigation of 10+ acres)

____ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	mod. Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
2 →	Goolds	30	7000	Goold	

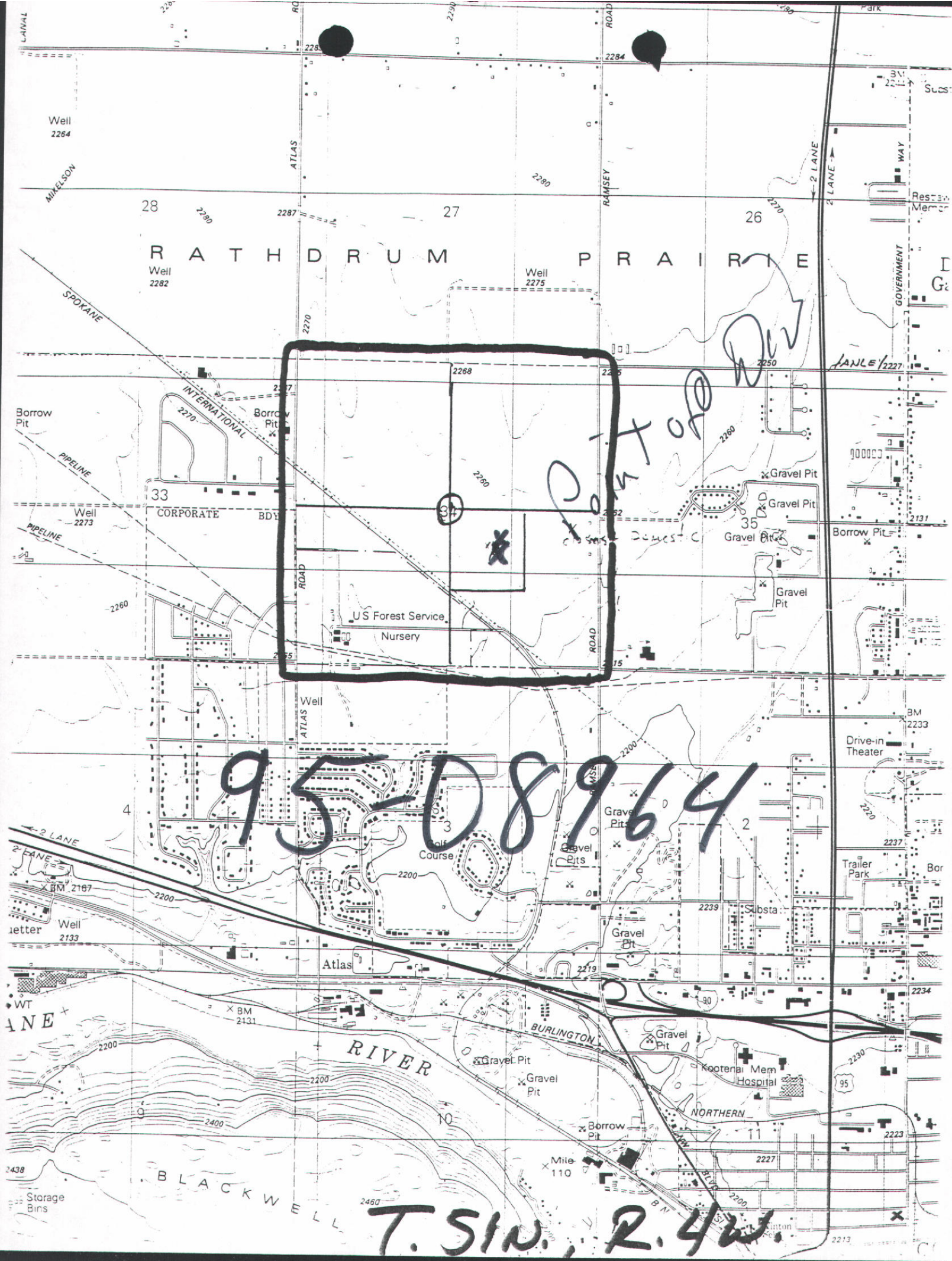
*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

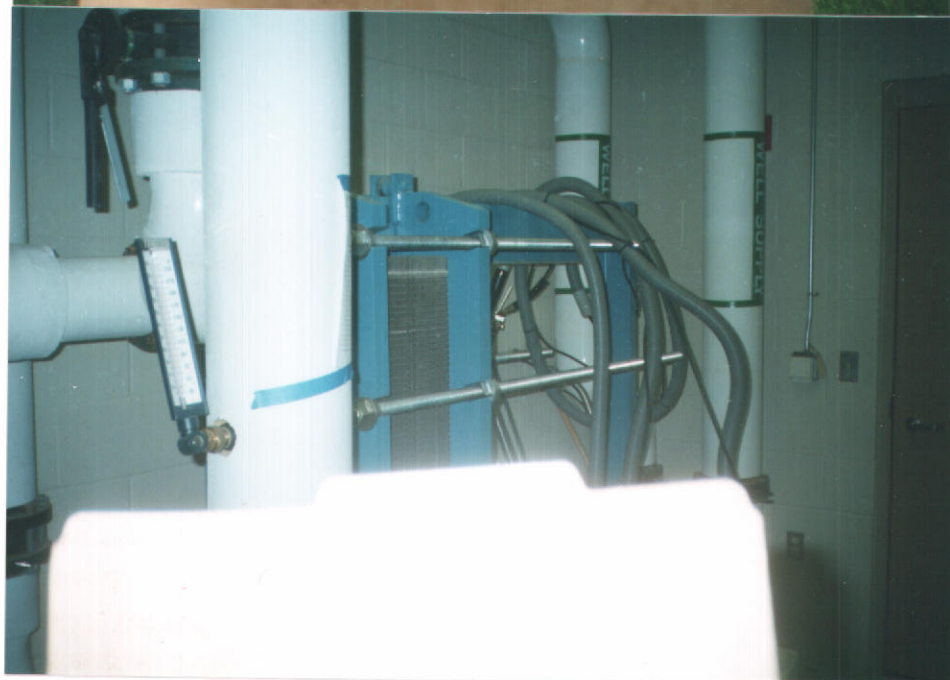
Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: _____





95



95

95-08964

E. NARRATIVE/REMARKS/COMMENTS

Conductor No. 4

No measuring device has been installed.
What piping that is exposed is not
suitable to use polysonic meter.
Therefore rates used in this exam
are ones provided to school dist. by
contractors who installed them.

Have conditions of permit approval been met? ☐ yes ☒ no

F. FLOW CALCULATIONS

Measured Method:

Additional Computation Sheets Attached

$$\begin{array}{r}
 230 \text{ gpm each well} \\
 \times 3 \\
 \hline
 460 \text{ gpm} \times 1.33681 = 100 \text{ cfs}
 \end{array}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$\begin{aligned}
 V_{ir} &= (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \\
 V_{dr} &= [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \\
 V &= \text{Smaller of } V_{ir} \text{ and } V_{dr} =
 \end{aligned}$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use

Electricity
Industry
Domestic

Period of Use

From 01/05 To 12-31
12-31

Rate of Diversion

Q (cfs) 1

Annual Volume
V (afs)

2. Recommended Amendments

Change P.D. as reflected above
Change P.U. as reflected above

Add P.D. as reflected above
Add P.U. as reflected above
None
Other

I. AUTHENTICATION

Field Examiner's Name *Maya S. S. S.* Date *9-26-02*
Reviewer _____ Date _____

SEAL

ANALYSIS SHEET
FOR
PROOF OF BENEFICIAL USE

Permit No. 95-08964 Reviewed by DJ. Date 10/23/00

GENERAL CONSIDERATIONS

Yes Name same as permit?
Yes Address same as permit?
Yes Proof timely received?
If not, complete calculation below.

TYPES OF USE

Heating & Cooling
system
Correct Uses? Yes

SOURCE OF WATER

No Surface water source

Yes Ground water source

Yes Drilling permit required?

No Copy in the file? Drilling Permit No. 95-99-N-0152-000

Amount paid for permit

No Well log in the file?

Correct?

LICENSE EXAMINATION FEE

Yes Required?

\$100 Amount Submitted

Yes Correct?

MEASURING DEVICE

No Required?

Yes Installed?

Waiver requested?

PRIORITY CALCULATION

Date proof received 10/12/00

Date proof due 11/1/00

No. of days late =

Priority Date +

New Priority Date

DEFICIENCIES OR ACTION ITEMS

Acknowledge proof.

DATA ENTRY

New Address No

Proof Made 10/12/00

APPLICATION FOR PERMIT STATE OFFICE REVIEW

by Cindy Lane

No.: 95-08964 Name: CIA School Dist. Date: 10/16/92 Ad OK? ☒ ☒ Gvmt Lts:

AREA OF CONCERN:- No/Yes: Mor / GWMA / Trust / Non-trust**PROTESTED:**

- 020 (Protest Agreement) or *W19 (Order)

SYSTEM COMPLETED:

1 year/no proof

- P16

>1 year

- 26A P17**GROUNDWATER: (✓ FLO-CH)**

WMD (✓ MAP)

>0.24 cfs/5 acres

- 067 or No MD (in-stream stock or power)

≤ 0.24 cfs/5 acres

- No MD

WMD >0.24 cfs

- 01M (report when notified)

>5 a.

- 01M; 065-079 (if GW use SW 1st-statewide)-(cannot move SW off)

≤ 0.24 cfs/5 acres

- No MD

DRILLING PERMIT:

Existing well 2 Supply wells

Included w/permit ^{1 inj. well}

- NA (pre 7/1/87; ✓ WDAQ3) 2 wells: 95-97-N-0036-000 & 95-97-N-0037-000

- Permit No. 1 inj. well: 95-97-N-0038-000. P99

- No drilling permit?

irr. in WD

- ~~01M~~ (post 7/1/87)

- P05 (new well location)

SURFACE WATER: (✓ FLO-CH) (Surface water that doesn't sink is regulated):

IN/ABOVE MIN. STR. FLOW (✓ MAP)

- *WB9

WD (✓ MAP & LISTING)

- R04 (WD #) - 01J-P08 (MD)

Pumped >0.20 cfs

- 01H-P01 (LD & MD) or No MD (in-stream stock)

WMD (✓ MAP)

> 0.24 cfs/5 acres

- 067 or No MD (in-stream stock or power)

≤ 0.24 cfs/5 acres

- No MD

SPRINGS/SINK, INACTIVE WD & REST OF STATE

> 0.24 cfs/5 acres

- 01M or No MD (in-stream stock or power)

≤ 0.24 cfs/5 acres

- No MD

RIVER BASINS: (*Surface water):

Snake R (01)

- *W22 -P04, NA

(02/03-irr)

- 007-P07 (w/ remark *WB9 if above Weiser), NA

Payette R(65)

- *W22 (regulated uses), 047-P04 (Payette Lake), NA

Salmon R (70's)

- 029 (fish screens)

USE:

Domestic surface

- *WB5 (Big Wood R or Boise R ↑ Star Bridge); 27A (Payette River); NA

>1 in rest. area

- 071-070-P53

Fish Propagation

- 029-007-042(req)-081-R07 (WQ)-P10; 044 (N of 1000 Springs)

Irr ≤ 5 acres

- R49/R50/R51/R52 (0.03 cfs/acre + 3.0/3.5/4.0/4.5 AF)

> 5 acres

- R29/R30/R31/R32 (0.02 cfs/acre + 3.0/3.5/4.0/4.5 AF)

Mining

- 054(req)-081-R07-P10

Muni (in restricted areas)

- 022, 075, 004 (+memo?)

Power

- 17H/17K(+uses)-08A-025-01N(P19)-028-081-R07(P10); 027 (if no other cons. use);

17G (FERC) or 17M (FERC); 18B-P09; >25 cfs-P18

Stock

- R37 (BLM/USFS); NA

Storage (✓3 compo.)

- 080 (if needed); 18A (in- & out-flow MD within district), 18B-P09 (>10' dam),

LOCATION:

42-248 area

- P84 (in 20/30/40/50/60/70/80 (87) basin)

Boise Front LoGeo

- 058 (<85° GW temp only)

In-stream dev.

- P52 (stream channel alteration)

Irr Dist/Canal Co.

- 023 (Twin Falls area)

SWAN FALLS FLAG (See Code Chart)

Trust

- 051-052-053-P74 (Consumptive Uses), NA

Non-Trust (1)

- 048-049 (Consumptive Uses), NA

OWNERSHIP:

- 004 (PD/PU)

OTHER CONDITIONS:- R07**STANDARD REMARKS:**

- ① W32 ② Heat & Cool for middle school.

BENEFICIAL USE DUE:

- 11/1/2000

*** COMMENTS:**

- need addl info for heat/cool analysis. rec'd 11/3/97

* ~~heat/cool~~ use is for ground source heat pump. I do not have any analysis tool to confirm reasonable rate of flow.

INJECTION WELL DATA REPORT
11/10/97

ID NUMBER
LOCATION
REGION
PER STATUS
PREP DATE

95W002001
51N04W34CAA01
N
Y
9/26/97

F NAME
F ADDRESS
F CITY
F ST
F ZIP
F COUNTY
LC PHONE

NEW MIDDLE SCHOOL

COEUR 'D ALENE
ID
83814
55
2086648241

LC NAME
LC ORG
LC ADDRESS
LC CITY
LC ST
LC ZIP

TEATER, DAVE, ASST SUPERINTENDENT
COEUR D' ALENE SCHOOL DIST 271
311 N 10TH ST
COEUR D'ALENE
ID
83814

APP DATE 5/12/95
EXP DATE 12/31/02
DT ABANDON
DT ADVERTI 6/20/97
DT APPROVE 9/ 2/97
DT RECEIVE 5/21/97

WELL CLASS 5A07
W STATUS AC
MAP NUM F4
GPS NUMBR
LATITUDE
LONGITUDE

CONST DATE
DRILLDEPTH 0.00
CASINGDIAM 0
CASNGDEPTH 0
SEAL TYPE
SEAL DEPTH 0
INJECTRATE 600
MAX CAP 4,200

DISCH FREQ C
DISCH TYPE 5
PONDLENGTH 0
PONDWIDTH 0
PONDDEPTH 0
SCREEN
TREATMENT

INSP DATE
INSP TYPE

DIST NEAR 0.50
DIR NEAR E
DEPTH GW 350

LASTUP_DT 9/26/97
LASTUP_BY JCM

COMMENTS

MICROFILMED
FEB 13 1998

RECEIVED

NOV 03 1997

Department of Water Resources

MEMO

To: Cindy Zimmerman, Idaho Department of Water Resources
From: Scott Fischer, Architects West
Re: Application for Permit No. 95-08964
Date: 10/29/97

The following information is provided for items 1, 2, & 3 of your request. See the attached memo from Riley Engineering for items 4, 5, 6, & 7.

Item 1: The building will be used as a middle school, housing grades 6, 7, & 8.

Item 2: The building is irregular in shape; it houses 100,180 sf of floor space.

Item 3: The building is single storey.

MICROFILMED

FEB 13 1998

Riley Engineering, Inc.
North 1501 Howard Street
Spokane, Washington 99201
Phone: (509) 325-2576
Fax: (509) 327-5631
rileyeng@spkn.uswest.net

MEMORANDUM

TO: Scott Fischer; Architects West
FROM: Chuck Estey, P.E. *CE*
DATE: 10/29/97
SUBJECT: Well Water Permit No. 95-08964 Review Comments
New Coeur d'Alene Middle School **Job No. 2173**
Copy To: file

The following information is provided for items 4, 5, 6 and 7 of the subject review comments per your request.

Item 4: The building's water source heat pump (WSHP) loop uses well water as a heat sink. In other words the building loop absorbs heat from the well water during the heating mode of operation and rejects heat to the well water during cooling mode of operation. The building loop is isolated from the well water using a plate and frame heat exchanger.

During heating mode of operation it has been assumed that 440 gallons per minute of well water at 50°F will enter the heat exchanger and exit at 40°F. During cooling mode of operation it has been assumed that 440 gallons per minute of well water at 55°F will enter the heat exchanger and exit at 65°F.

Item 5: The building has been designed with a roof insulation value of R-28, a wall insulation value of R-10 and a window glazing insulation value of U-0.5. The building's overall weighted average insulation value, including all building envelope components, is U-0.173 or R-5.8.

Item 6: The building's WSHP loop has been designed with a flow rate of 445 gallons per minute. As stated in Item 4, the building loop is isolated from the well water using a plate and frame heat exchanger. This has been done to eliminate fouling and corrosion of WSHP heat exchangers with well water and to eliminate the potential for well water contamination if a WSHP heat exchanger fails and leaks refrigerant. Well water use by the building is fixed at 440 gallons per minute by design.

Item 7: Once well water has been pumped through the plate and frame heat exchanger it is then piped directly to a 10 inch diameter recharge well that is located 120 feet away from the supply well.

END OF MEMO

cja/2173wellwaterapp87m.wpd

MICROFILMED

TOTAL P.001

FEB 13 1998

No. a
4/87-06/92n

I DEPARTMENT OF WATER RESOURCE
APPROVAL APPLICATION ANALYSIS SHEET

RECEIVED

WR 1
WRA
BC

JUL 14 1997

APPLICATION # 95-08964

DEPARTMENT OF WATER RESOURCES

***** INITIAL REVIEW *****

APPLICANT: CEL A SCHOOL DIST. BY: AB DATE: 5/21/97

ITEM REQUIRED INFORMATION

1. ☒ Name and Address
2. ☒ Source
3. ☒ Point of Diversion & County
4. ☒ Quantity
☒ Nature of Proposed Use
☒ Period of Use
5. ☒ Total Quantity
6. ☒ Description of diverting works
7. ☒ Time required for b/u
8. ☒ Proposed use
9. ☒ Place of use or acres irrigated
10. ☒ Other Water Rights
11. ☒ Ownership
13. ☒ Map
☒ Signature
☒ Fee (Amt, recpt, acknowledgment)

*** Send info sheet Y() N()

ADDITIONAL INFORMATION

Yes No

- ☒ Field check: by _____
☒ Field report attached
☒ Analysis Supp. attached (>5cfs/500af)
☒ Water delivered by water master?
Water District # _____

PROCESSING

Yes No

PRIORITY DATE: 5/21/97

- ☒ (Include Moratorium Remark)
☒ Statewide Avertising: (Diversion rate greater than 10 cfs or 1,000 af).
CA/Thins/ok

ADVERTISE IN: KOOTENAI County.

LETTERS SENT REQUESTING:

- () Dam Information () Fish Information
() Power Information () Other: N/A

INFORMATION RECEIVED:

- () Dam Information () Fish Information
() Power Information () Other: N/A

***** GROUNDWATER SECTION *****

(Yes) (No)

Checked by: _____ Date: ____/____/____

Remarks: _____

- ☒ Groundwater management area
☒ Critical ground water area
☒ Well Drilling Permit required
☒ Well Drilling Application and Fees received
Well Drilling Application approved?
Well Drilling Application Number _____

***** FINAL REGIONAL PROCESSING/REVIEW *****

(Yes) (No)

- Notice of pending void order issued. Final order response date: ____/____/____
Further information required from applicant
6/10 Affidavit of publication received
6/10 Application published correctly, If not, record action taken: _____
5/23 Publication dates and paper recorded on application
Protests received. Final protest date: 6/23/97
6/23/97
Measuring device required
Measuring port required
Special conditions: _____
Special conditions of approval supplement and/or cover letter attached:

Sr. Agent initial AB

Approval Recommended by: AB Date: 6/30/97