

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

AUG 12 1998

Department of Water Resources

CORRECTED REPORT

A. GENERAL INFORMATION

Permit No. 95-085321. Owner: Garwood Water Cooperative Phone No. (208) 772-4904Current Address: P.O. Box 1137 Hayden Lake, Id. 838352. Accompanied by: Howard Witherwax EXAM DATE: June 26, 1998Address: Rt 3 Box 75A Hayden Lake Id. 83835 Phone No. (208) 772-4904Relationship to Permit Holder: member / President3. Source: Ground water tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use: _____

2. Other water rights with the same point of diversion: _____

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			NE	SE	24	52N	4W	Kootenai	USGS 7.5' Quad. Aerial Photo
			NE	SE	24	52N	4W	Kootenai	USGS 7.5' Quad. Aerial Photo

2. Place(s) of Use:

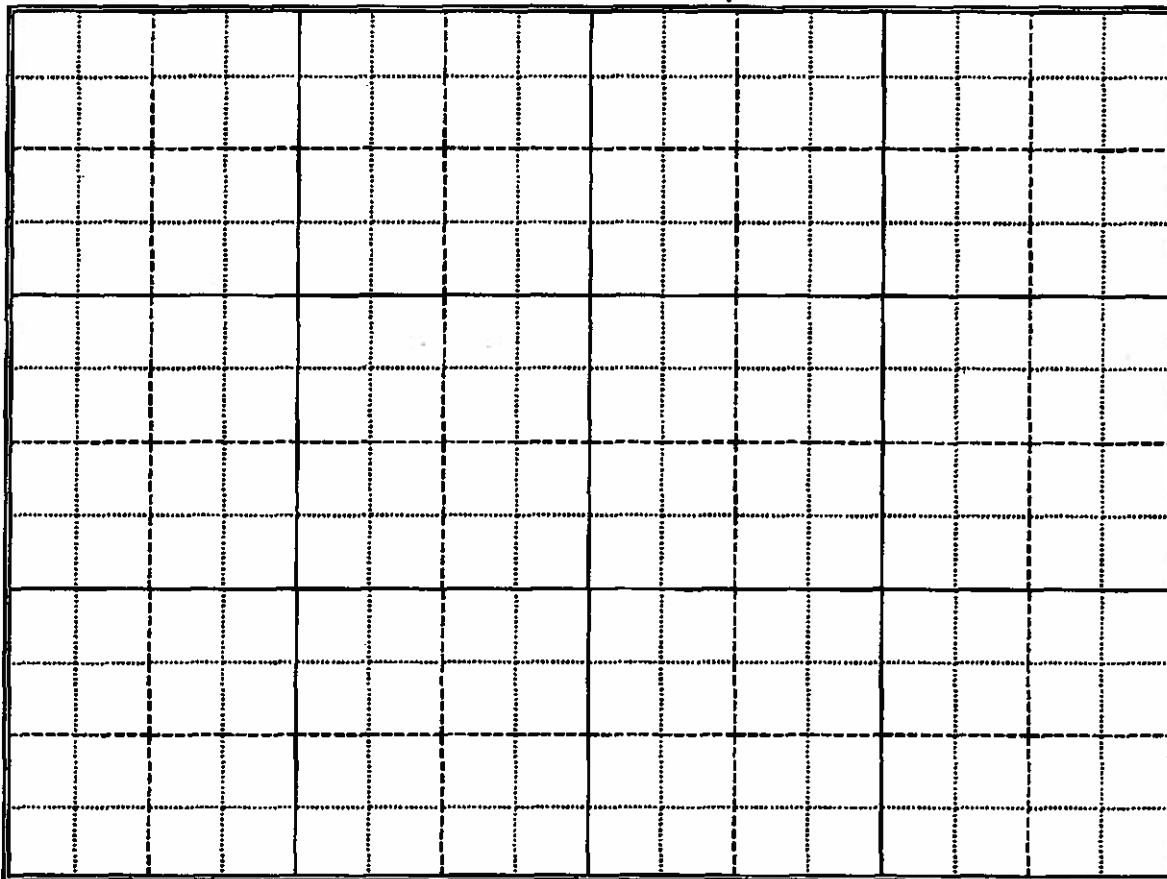
Indicate Method of Determination Aerial Photo, Howard Witherwax

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
52N	3W	19				D .5	D .75	D .75	D .75	D .75	D .75	D .75	D .75	D .75	D .75	D .75	D .75	D .75	9.5
52N	3W	20								D .5		D .25	D .5						1.25
52N	3W	24													C, D .75			D .25	1.00
52N	3W	29							D .25			D .25							.50
52N	3W	30	D .75	D .75	D .75	D .75	D .75	D .75							D .5				5.00

total = 17.25 acres

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

See as built plans



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	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Well # 1	Franklin	20	03-0048	Jacuzzi	2086 B20-T
Well # 2	Simmons	25	020116		82192393

*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
Flow meter		Rockwell				

2. Measurements:

Pump # 1 = 100 gpm (22 cfs) 0.30 cfs

Pump # 2 = 138 gpm (31 cfs) Can't use this well

8. Description of proposed uses (if irrigation only, go to item 9):

- 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. _____
- d. Domestic; show number of households. 70 homes, 3 commercial user
- e. Other; describe fully. _____

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	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
52N	4W	24													D				
52N	3W	19					D	D	D	D	D	D	D	D	D	D	D	D	
52N	3W	30	D	D	D	D	D	D											
52N	4W	24													0.75				0.75
52N	3W	19					1.25	1.25	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.50
52N	3W	30	1.0	1.0	0.25	0.75	0.5	1.0											4.50
52N	4W	24													C				

Total number of acres to be irrigated 17.75

10. Describe any other water rights used for the same purposes as described above. NONE

11. a. Who owns the property at the point of diversion? Garwood Auto Wrecking (Floyd Taylor)
- b. Who owns the land to be irrigated or place of use? Members of Garwood Water Co-op
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. Perpetual Lease

12. Remarks: Use area boundaries may expand or contract slightly depending upon the final membership enrollment. The Garwood Water Cooperative is a non-profit corporation.

MICROFILMED

MAR 20 1987

E. NARRATIVE/REMARKS/COMMENTS

Groundwater is being diverted from two wells at a maximum combined rate of .53 cfs (238 gpm) into two, 48,000 gallons storage reservoirs.

From these reservoirs, a gravity flow system is used to supply water to 78 accounts. Water usage is for commercial, domestic, and irrigation.

An estimated 17.25 acres of land is being irrigated. Domestic use is for 77 homes, and commercial use is in a wrecking yard garage.

When I met with Howard Witherman he explained that the original number of hookups (62) on this system has been increased to 78.

He also verified the additional places of use that are listed on the legal description.

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

F. FLOW CALCULATIONS

Measured Method:

✓ Additional Computation Sheets Attached

See Theoretical Calculation

G. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 17.25 \text{ acres} \times 3.5 \text{ af/acre/season} = 60.4 \text{ afa}$$

$$V_{D,R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .53 \text{ cfs} \times 245 \text{ days} \times 1.9835 = 257.6 \text{ afa}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{D,R} = \underline{60.4 \text{ afa}} \quad 51.80 \text{ afa}$$

2. Volume Calculations for Other Uses: avg. size of lawn/garden being irrigated = $100 \text{ ft}^2 \times 100 \text{ ft}^2$

$$(10,000 \text{ ft}^2) \times 78 \text{ homes} = 780,000 \text{ ft}^2$$

$$780,000 \text{ ft}^2 / 43,560 \text{ ft}^2 = 17.9 \text{ acres (2 acres being irrigated)}$$

$$0.6 \times 1.2 \text{ afa} \times 78 \text{ homes} = 93.6 \text{ afa} \quad 42.1 \text{ afa}$$

H. RECOMMENDATIONS**1. Recommended Amounts**

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)	
	From	To			
Irrigation	03/15	11/15	.53 0.30	60	51.8 afa
Commercial	01/01	12/31	.01	0.6	0.6
Domestic	01/01	12/31	.53 0.30	94	42
Totals:			.53 cfs 0.30 cfs	154.6 afa	94.4

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None
☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name

Date Aug. 10, 1998

Reviewer

Date

SEAL

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
FIELD REPORT SUPPLEMENT

PERMIT # 95-08532



Places

of



use

PERMIT # 95-08532

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES



2 - 48,000 gal.

Storage

reservoirs



Place

of

use

PERMIT # 95-08532

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
INT



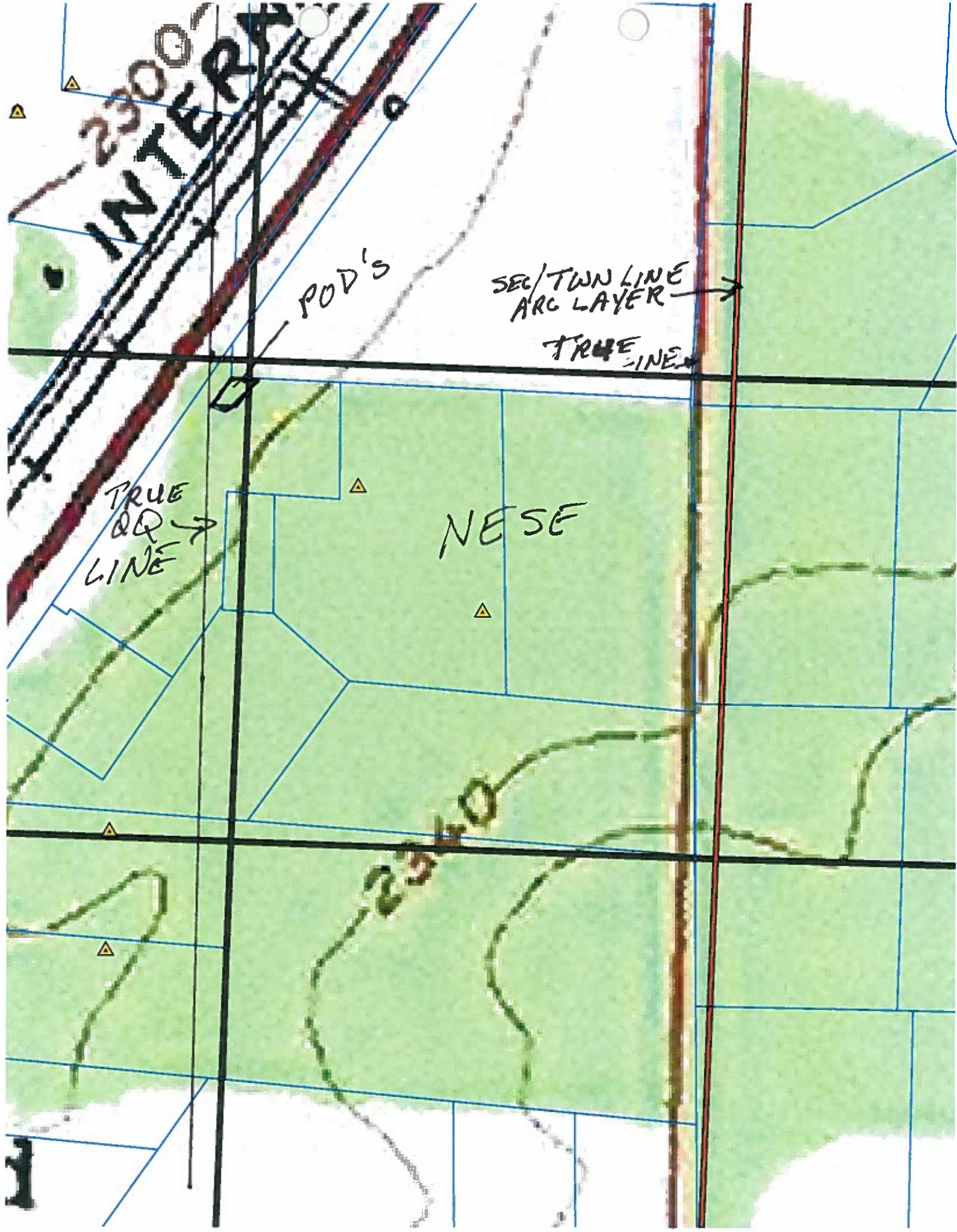
2 - well heads

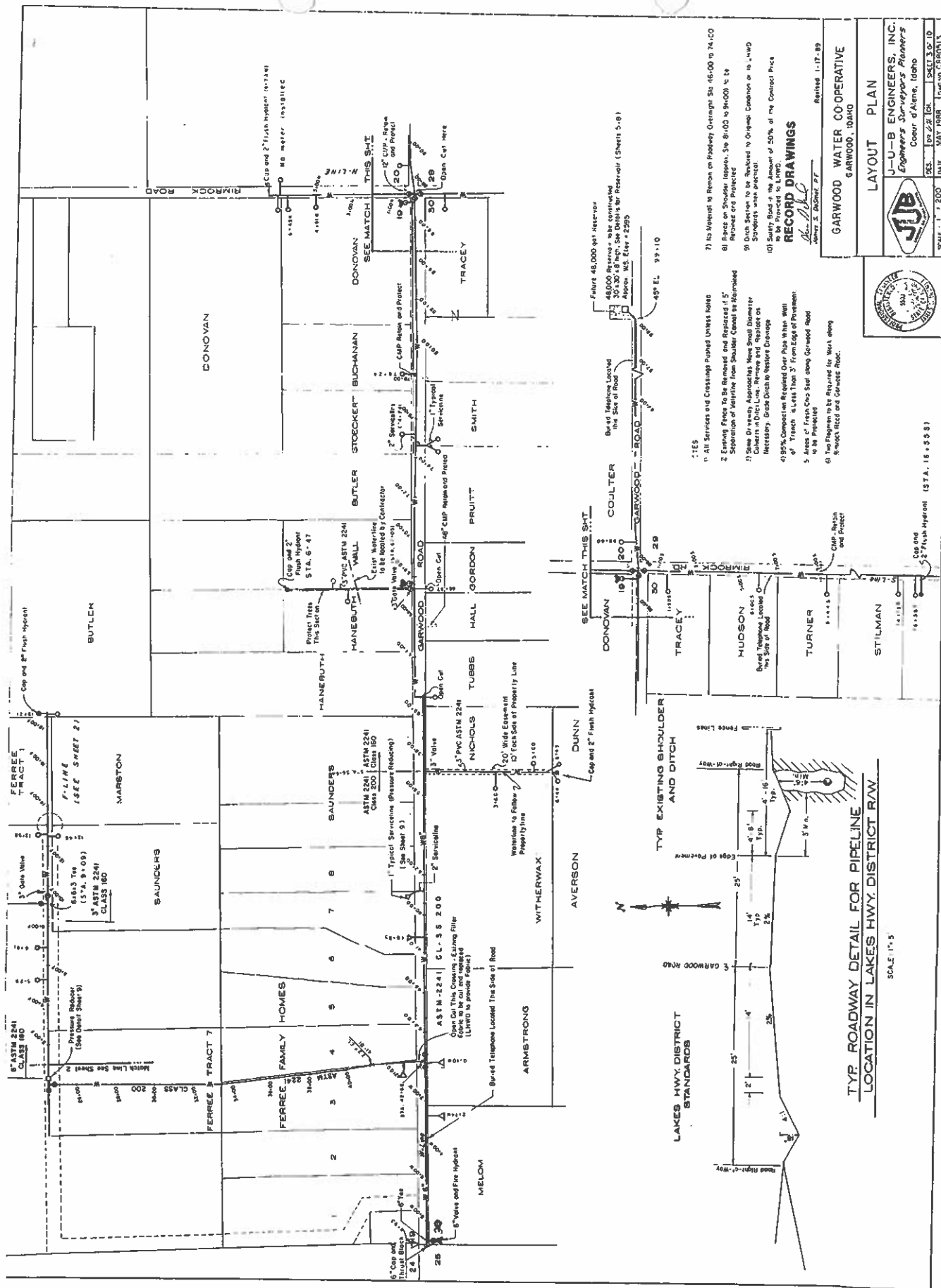
Point of
diversion

Wells/pump
house

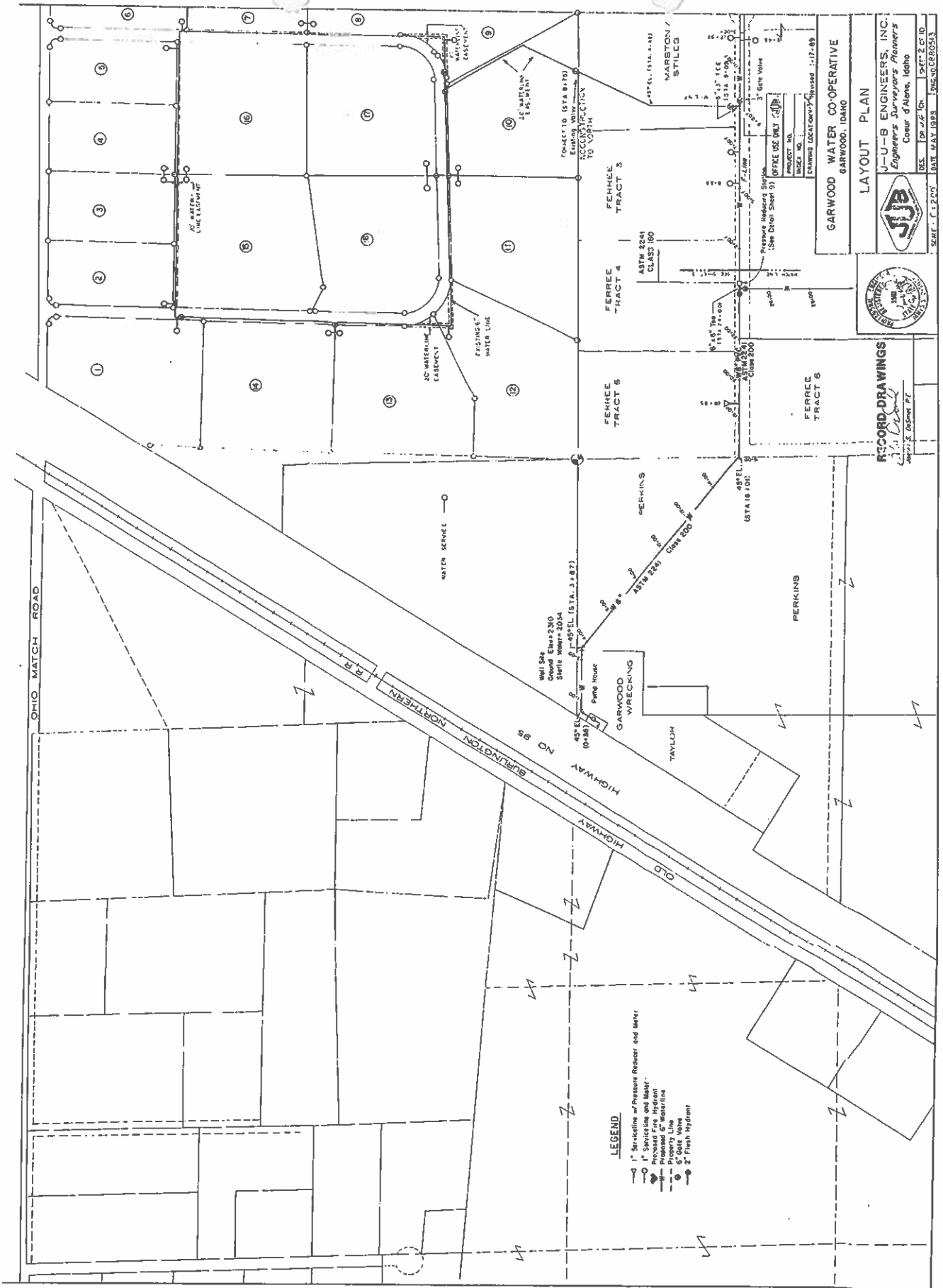


- Control panel
- Flow meter





95-8532



- LEGEND**
- 1" Service Line - Pressure Reducer and Meter
 - 1" Service Line and Meter
 - Proposed 6" Water Line
 - Property Line
 - 2" Fresh Hydrant

RECORD-DRAWINGS

DATE: 11/1/88
BY: J. J. [Signature]
CHECKED: J. J. [Signature]

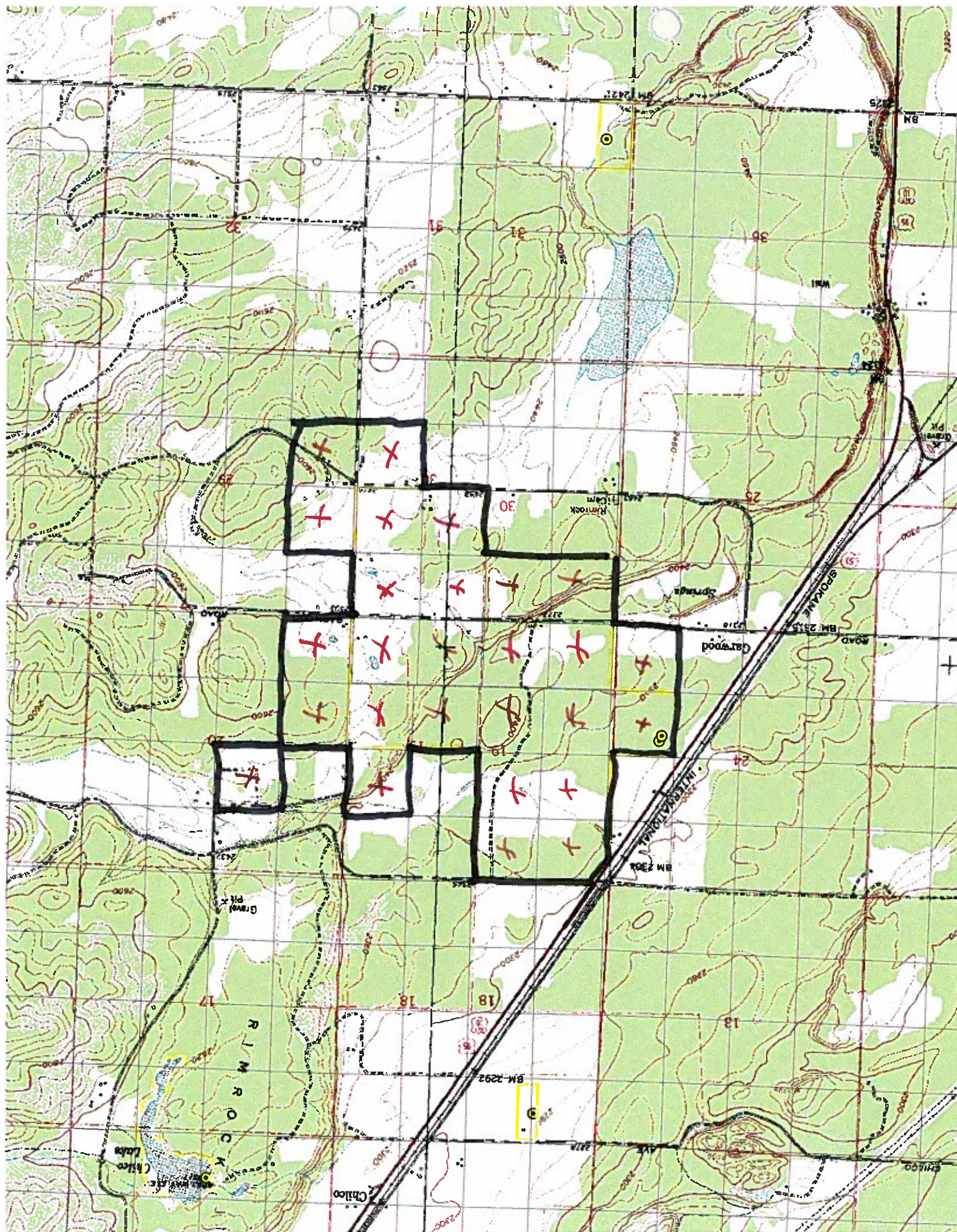
LAYOUT PLAN

GARWOOD WATER CO-OPERATIVE
GARWOOD, IDAHO

J-U-B ENGINEERS, INC.
Engineers Surveyors Planners
Coeur d'Alene, Idaho

DES: JPB
DATE: MAY 1988
SHEET: 2 OF 10
PROJECT NO. 95-8532

95-8532



No. C 84582

Due no later than August 31, 2007
Annual Report Form

2. Registered Agent and Office NO PO BOX

Return to:

SECRETARY OF STATE
700 WEST JEFFERSON
PO BOX 83720
BOISE, ID 83720-0080

1. Mailing Address - Correct in this box, if applicable

GARWOOD WATER COOPERATIVE, INC.
HOWARD J. WITHERWAX
PO BOX 1137
HAYDEN LAKE, ID 83835

HOWARD J. WITHERWAX

2210 E GARWOOD RD
HAYDEN LAKE, ID 83835

LUKE RUSSELL

1725 N. CANYON BLVD CT
HAYDEN, ID 83835

3. New Registered Agent Signature

NO FILING FEE IF

RECEIVED BY DUE DATE

4. Corporations: Enter Names and Business Addresses of President, Secretary and Directors.

Office held	Name	Street or P.O. Address	City	State	Zip
Chair	Luke Russell	1725 N. Canyon Blvd CT	HAYDEN	ID	83835
Secretary	Donna Osborne	17661 N. Cedar Grove	HAYDEN	ID	83835
Treasurer	Glen Rothrock	17247 N. Rimrock Rd,	HAYDEN	ID	83835
member	GARY Rowles	16661 N. Rimrock Rd.	HAYDEN	ID	83835
member	Kendall Bodkin	5470 E Greenwood Rd,	HAYDEN	ID	83835

5. Organized Under the Laws of:

IDAHO
C 84582

6.

Signature

Glen Rothrock

Date

8-27-07

Name

(Typed or Printed)

Glen Rothrock

Title

Treasurer

Issued 06/01/2007

Do Not Tape or Staple

200708000785

IDAHO DEPARTMENT OF WATER RESOURCES

Water Permit Report 95-8532

WATER RIGHT NUMBER: 95-8532

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	GARWOOD WATER COOPERATIVE PO BOX 1137 HAYDEN LAKE, ID 83835 (208)772-1723

Priority Date: 11/08/1986

Basis:

Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
DOMESTIC	1/01 to 12/31	0.330 CFS	
COMMERCIAL	1/01 to 12/31	0.010 CFS	
IRRIGATION	1/01 to 12/31	0.330 CFS	
	<u>Total Diversion:</u>	0.670 CFS	

Location of Point(s) of Diversion

GROUND WATER	NW1/4NE1/4SE1/4	Sec. 24, Twp 52N, Rge 04W, B.M.
KOOTENAI County		

Place of Use

DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
52N	03W	19					X	X	X	X	X	X	X	X	X	X	X	X	
52N	03W	30	X	X	X	X	X	X											
52N	04W	24													X				

COMMERCIAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
52N	04W	24													X				

IDAHO DEPARTMENT OF WATER RESOURCES

Water Permit Report 95-8532

IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
52N 03W 19					1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
52N 03W 30	1.0	1.0	1.0	1.0	1.0	1.0											6.0
52N 04W 24													1.0				1.0

Total Acres: 19

Conditions of Approval:

1. 004 The issuance of this right does not grant any right-of-way or easement across the land of another.
2. AC. IRR.=17.75.
3. 026 Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is complete.

Remarks:Comments:

1. VAULT 1/21/1992 Proof of Beneficial Use Rcvd

Comment: Proof of Beneficial Use Rcvd

2. TKING 1/18/1995 WELL STATUS

Comment: ORIGINAL WELL #95-86-N-0125-000, BACKUP WELL, 95-95-N-0005-000.

Dates and Other Information:

Permit Proof Due Date: 2/1/1992

Permit Proof Made Date: 1/21/1992

Permit Approved Date: 2/4/1987

Permit Moratorium Expiration Date:

Enlargement Use Priority Date:

Enlargement Statute Priority Date:

Field Exam Date: 6/26/1998

Date Sent to State Office: 8/10/1998

Date Received at State Office: 8/12/1998

State or Federal:

Owner Name Connector:

Water District Number:

Generic Max Rate Per Acre:

Generic Max Volume Per Acre:

Swan Falls Trust or Nontrust:

Swan Falls Dismissed:

DLE Act Number:

Carey Act Number:

Mitigation Plan: False

Combined Use Limits:

IDAHO DEPARTMENT OF WATER RESOURCES
Water Permit Report 95-8532

Water Supply Bank: