

State of Idaho
Department of Water Resources
Water Right License
WATER RIGHT NO. 95-08546

Priority: June 13, 1987

Maximum Diversion Rate:

1.56 CFS

Maximum Diversion Volume:

230.5 AF

This is to certify, that TWIN LAKES VILLAGE PROPERTY OWNERS ASSN
RT 4 BOX V551

RATHDRUM ID 83858

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated May 28, 1987; and has submitted Proof of Beneficial Use on August 27, 1990. An examination indicates that the works have a diversion capacity of 1.560 cfs of water from a GROUNDWATER source, and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/15 to 11/15	1.56 CFS	210.0 AF
RECREATION STORAGE	01/01 to 12/31		20.5 AF
DIVERSION TO STORAGE	01/01 to 12/31	1.56 CFS	
	Totals	1.56 CFS	230.5 AF

LOCATION OF POINT(S) OF DIVERSION:

NESE , Sec. 8, Township 52N, Range 04W
KOOTENAI County

PLACE OF USE: IRRIGATION

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
52N	04W	8	Lot 2(SWNE) 9	Lot 2(SENE) 20	Lot 3(NESE) 15	
			Lot 3(NWSE) 10	Lot 4(SWSE) 8	Lot 3(SESE) 8	70

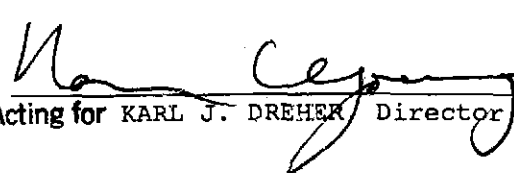
Total number of acres irrigated: 70

CONDITIONS OF APPROVAL AND REMARKS

1. This right when combined with all other rights shall provide no more than 3.0 afa per acre at the field headgate for irrigation of the lands above.
2. Two points of diversion are located within Lot 3 (NESE), S8, T52N, R4W.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be administered in accordance with Idaho law and applicable rules of the Department of Water Resources. Signed and sealed this 31ST day of

DECEMBER, 1990.


Acting for KARL J. DREHER, Director

MICROFILMED
APR 13 1991

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE STATE OF IDAHO

IN THE MATTER OF PERMIT NO. 95-8546 IN THE)
NAME OF TWIN LAKES VILLAGE PROPERTY OWNERS ASSN.) ORDER OF REINSTATEMENT
_____)

WHEREAS, the Department issued the above-captioned permit with the condition that proof of construction of works and application of water to beneficial use (proof of beneficial use) be submitted on or before August 1, 1990; and,

WHEREAS, the Department notified the permit holder by certified mail that proof was due and instructed the permit holder of the steps to be taken to submit the proof of beneficial use; and,

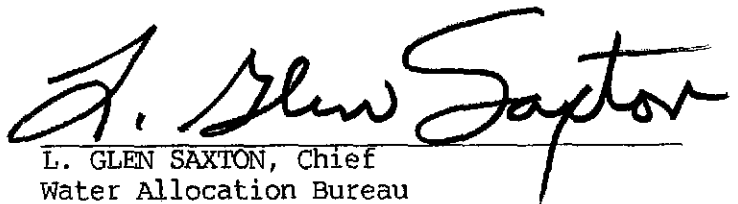
WHEREAS, the Department notified the permit holder that the permit lapsed for failure of the permit holder to submit the proof of beneficial use; and,

WHEREAS, Section 42-218a of the Idaho Code provides that a permit may be reinstated upon a showing of reasonable cause within sixty days of the date of the notice of lapsing; and,

WHEREAS, the permit holder has provided a reasonable showing why the permit should be reinstated by submitting proof of beneficial use on August 27, 1990;

IT IS, THEREFORE, HEREBY ORDERED that Permit No. 95-8546 be REINSTATED and the priority advanced to June 13, 1987.

Dated this 18th day of December, 1990.


L. GLEN SAXTON, Chief
Water Allocation Bureau

MICROFILMED

FEB 07 1991

RECEIVED
AUG 27 1990

For Office Use Only
Amt. of Fee \$ 125.00
Date 8/27/90
Receipt No. 1618178
Received by J. Danner

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Department of Water Resources

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources will consider this form as 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 or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

Permit No. 95-08546 Telephone No. 208-687-1311

Name(s) of Permit Holder(s): TWIN LAKES VILLAGE PROPERTY OWNERS ASSN.

Post Office Address: Rt. 4 Box V-551 RATHBURN, ID. 83858

Source of Water: GROUND WATER

If ground water, well driller's name: UNITED DRILLING Date drilled: WELL #1 3-31-87

Extent of Use: WELL #2 7-15-87

Domestic _____ (No. of households)

Irrigation 70 (No. of acres)

Stockwater _____ (No. and type of stock)

Other HOLDING POUNDS ON

GOLF COURSE USED TO STORE WATER FOR IRRIGATION

Total rate and/or volume for which proof is submitted 2.0 cfs N/A acre/feet

Show date water was first diverted and beneficially used under this permit: 3-31-87

One of the following may be a condition of approval of your permit:

Measuring device: Required? Yes No Installed? Yes No

OR

Flow Measurement Port: Required? X Yes No Installed? X Yes No

Fee Enclosed: \$ 125.00 (See License Examination Fee Schedule)

Person to contact to accompany the Department representative during the field examination:

RAUDY BUCKENBERGER
Name

208-687-1311
Telephone No.

Rt. 4 Box V-551 RATHBURN, ID. 83858
Address

MICROFILMED

The above information is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the state of Idaho.

FEB 07 1991

Aug 22, 1990
Date

W. J. Satre, President
Signature (and title if on behalf of a company or organization)

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

Ident. No. 95-8546

APPROVED

To appropriate the public waters of the State of Idaho

1. Name of applicant Twin Lakes Village Property Owners Assn Phone 687-1311
Post office address Rt 4 Box V-551 Rathdrum ID 83858
2. Source of water supply Groundwater which is a tributary of _____
3. Location of point of diversion is 8 NE $\frac{1}{4}$ of NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Govt. Lot _____
Sec. 8 Township 52N Range 4W B.M. _____ County; additional
points of diversion if any: NE NE SE Sec 8 T52N R4W
4. Water will be used for the following purposes:
Amount 2cfs for Irrigation purposes from 3-15 to 11-15 (both dates inclusive)
(cfs ~~acre-feet per annum~~)
Amount 2cfs for Div. to Storage purposes from 1-1 to 12-31 (both dates inclusive)
(cfs ~~acre-feet per annum~~)
Amount 40AF for Irrigation from Storage purposes from 3-15 to 11-15 (both dates inclusive)
(~~cfs~~ acre-feet per annum)
Amount 40AF for Storage for Irrigation purposes from 1-1 to 12-31 (both dates inclusive)
(~~cfs~~ acre-feet per annum)
40AF Storage for Recreation 1-1 to 12-31 (both dates inclusive)
5. Total quantity to be appropriated is (a) 2cfs and/or (b) 40
cubic feet per second acre feet per annum
6. Proposed diverting works:
a. Description of ditches, flumes, pumps, headgates, etc. Wells & Pumps

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 8 inches; proposed depth of well is 450 feet.
d. Is ground water with a temperature of greater than 90°F being sought? _____
7. Time required for the completion of the works and application of the water to the proposed beneficial use is
5 years (minimum 1 year).

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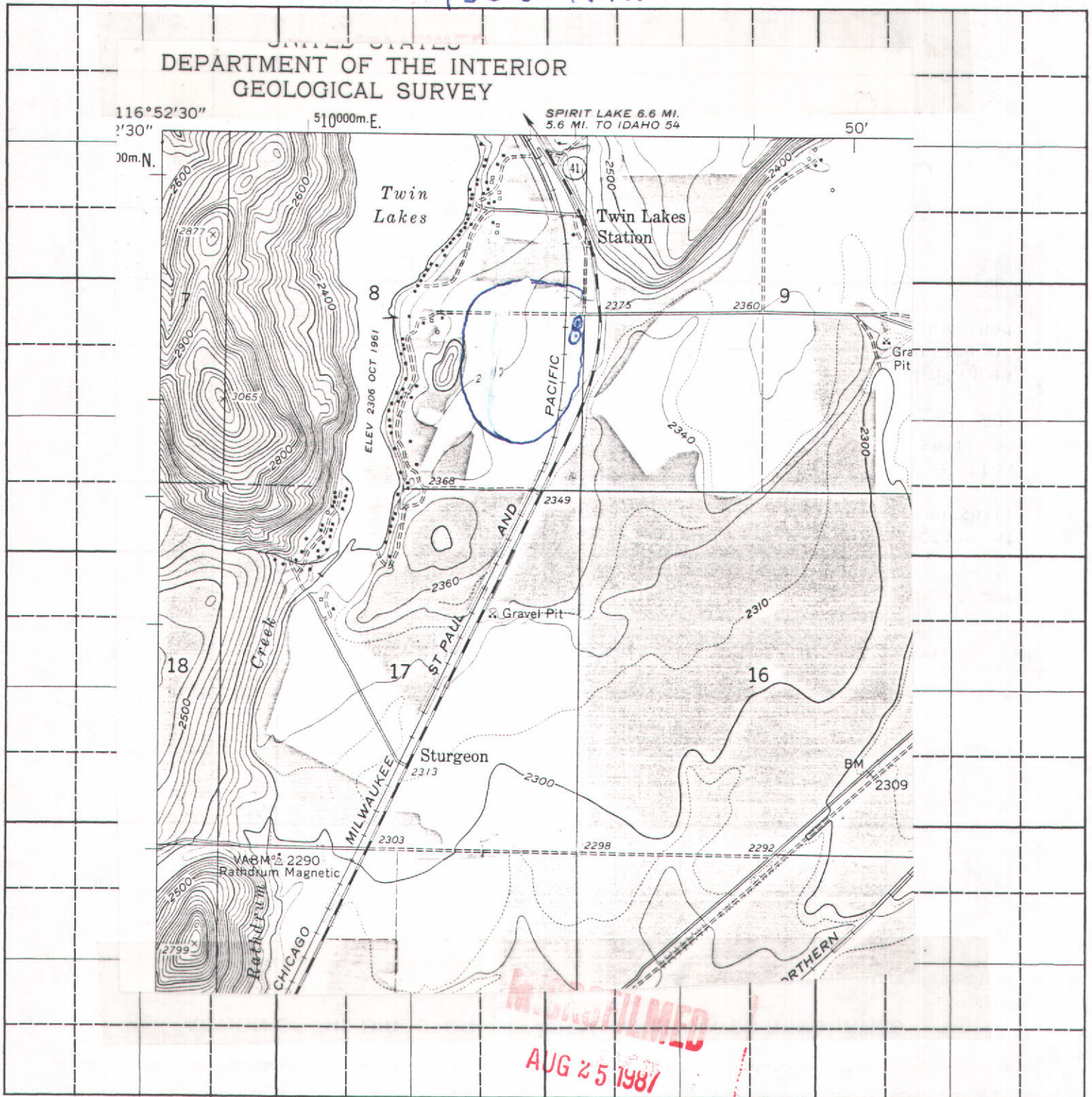
AUG 25 1987

DEW 710000

Remarks: Irrigation of golf course will require a pumping capacity in excess of 1.02 cfs/acre

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

13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number. **T52N R4W**



Proposed Priority 5/28/87

Received by RYH Date 5/28/87 Time 11:35 AM Preliminary check by KK
Fee \$ 65.00 Receipted by RYH # 38318 Date 5/28/87
Publication prepared by KK Date 5/27/87 Published in 6/4+11/87
Publication approved [Signature] Date 6/12/87

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 95-8546, and said application is hereby APPROVED.

1. Approval of said application is subject to the following limitations and conditions:

a. SUBJECT TO ALL PRIOR WATER RIGHTS.

b. Proof of construction of works and application of water to beneficial use shall be submitted on or before

August 1, 19 90.

c. The water right acquired under this permit if for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.

d. Other: 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.

Prior to the diversion of water under this permit a flow measurement port or other device as specified by the Department shall be installed to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.

If construction of the well under this permit was not initiated prior to July 1, 1987, commencement of well construction or diversion of water under this permit is prohibited unless a drilling permit is obtained from the Department.

Witness my hand this 20th day of July, 1987.

[Signature]
Chief, Operations Bureau

MICROFILMED

AUG 25 1987

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

POWER OF ATTORNEY

RECEIVED
JUN 1 1987

Department of Water Resources
Northern District Office

The undersigned holder(s) of Permit / Application No. 95-8546 of the
Department of Water Resources of the State of Idaho hereby nominates _____
Donald E. Barrett, whose address is Rt. 4, Box 556-F, Rathdrum,
as attorney-in-fact, with full authority to act for and on behalf of the undersigned in all
matters pertaining to the above numbered permit or application. Such acts shall include,
but not be limited to, the filing of application, receiving of all notices, the signing and
filing of applications for extension of time and for amendments of said permits, and the
submission of proofs of completion of works and beneficial use of water.

Dated this 28 day of May, 1987.

Clyde B. Matters

Clyde B. Matters, Vice-President

Twin Lakes Property Association

STATE OF IDAHO)
County of Kootenai) ss.

On this 28th day of May, 1987, personally
appeared before me the signer(s) of the above instrument, who duly acknowledged to me
that he (she) (they) executed the same.

seal

Lilas J. Boemmeling

Notary Public

Residing at Rathdrum

My Commission expires:

life

MICROFILMED

AUG 25 1987

MEMORANDUM

TO: File 95-08546

FROM: Sharla

DATE: December 23, 1998

RE: Recommendation Adjustment(s)

The adjustments to licensing recommendations for Permit 95-08546 are as follows:

C. DIVERSION AND DELIVERY SYSTEM

2. Place(s) of Use

T52N, R4W, S8 - the SWSE is associated with Gov. Lot 4

H. RECOMMENDATIONS

Irrigation	3/15 - 11/15	1.56 cfs	210.0 afa
Recreation Storage	1/1 - 12/31		20.5 afa
Diversion. to Storage	1/1 - 12/31	1.56 cfs	
	TOTALS	1.56 cfs	230.5 afa

In a phone conversation with Steve Martin (greens maintenance supervisor), he stated that both wells are not always used at the same time, but usually are pumped simultaneously. He confirmed that the capacities of the wells are 400 gpm and 300 gpm; these rates are an accurate reflection of their use and that to obtain higher rates, they would have to change the pumps. The measured rate of 700 gpm will be licensed; the rate is above the normal inch/acre rate based on the fact that the irrigation is for a golf course.

The irrigation storage and irrigation from storage uses will not be listed. The size of the pond associated with the irrigation use is larger than could be depleted in a 24-hour period of continuous diversion and will be treated as a regulating pond and part of the diversion system. The pond's volume is accounted for in the recreation storage use.

The standard volume/acre for this area is 3.0 afa/ac.

Exam Date: July 9, 1998

Examiner: David Pagel

INDEXED/FILMED

APR 13 1999

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. _____
- 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	8			15	15									30	20	10	12	102

Total number of acres to be irrigated 102

10. Describe any other water rights used for the same purposes as described above. 95-04139

95-07618, 95-07624, 95-08546

11. a. Who owns the property at the point of diversion? Applicant

b. Who owns the land to be irrigated or place of use? Applicant

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

12. Remarks: _____

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 95-08874

Proposed Priority: July 20, 1994

Maximum Diversion Rate:

2.04 CFS

This is to certify, that **TWIN LAKES VILLAGE**
2600 E VILLAGE BLVD
RATHDRUM ID 83858

has applied for a permit to appropriate water from: **GROUNDWATER**

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

BENEFICIAL USE

PERIOD OF USE

RATE OF DIVERSION

IRRIGATION

03/15 to 11/15

2.04 CFS

LOCATION OF POINT(S) OF DIVERSION:

SESE , Sec. 8, Township 52N, Range 04W
KOOTENAI County

PLACE OF USE: IRRIGATION

TWN RGE SEC

ACRES

ACRES

ACRES

TOTAL

52N 04W 8

SWNE 15
NWSE 20

SENE 15
SWSE 10

NESE 30
SESE 12

102

Total number of acres irrigated:

102

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before October 1, 1999.
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. Prior to diversion of water under this approval, the right holder shall provide a means of measurement acceptable to the Department from all authorized points of diversion which will allow determination of the total rate of diversion.
5. Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
6. A well drilled pursuant to this permit must be located at least 500 feet from any existing well. Well spacing closer than 500 feet must be approved by the Department of Water Resources.
7. Construction of the well must comply with Idaho well construction standards.
8. The rate of diversion of water for irrigation under this right and all other water rights on the same land shall not exceed 0.02 cubic feet per second for each acre of land.
9. Place of use is located within Twin Lakes Village 1st Addition Subdivision.

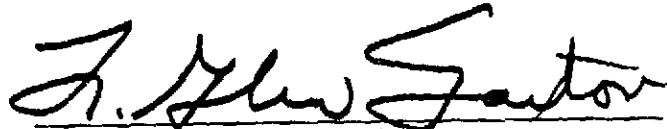
State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 95-08874

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

5 th day of October, 1994



R. Keith Higginson, Director

for

LICENSE REVIEW CHECKLIST

PERMIT NO. 95-08546

DATE 10/7/98

REVIEWER: SHARLA

NAME OK
Address OK

SOURCE OK Does change clarify orig. intended source? If no, Void permit

POINT OF DIV OK ☐ Change (P39 /P47) ☐ Add (P45/P42) Feds - P40

W32 (multiple in 1/4) 2
W36 (overlap)
W59 (subd. desc)

Overlaps: Right(s): _____
File reviewed _____ Profile reports printed _____

PLACE OF USE OK ☐ Change (P41/P47) ☐ Add (P41/P42) Feds - P43

W60 (subd. desc)
W27 (ppu acre limit)

Overlaps: Right(s): _____
File reviewed _____ Profile reports printed _____

PD & PU amend (P37) Feds - P48

RATE OF DIV

Permitted Rate 2.00 cfs

Fee limit 2.00 cfs \$125⁰⁰

Measured 1.56 cfs

Theoretical 1.43 cfs

at 365' lift and 0 psi (open discharge)
1.02 (60 hp) + .84 (50 hp) = 1.86
Recommended Total Div Rate 1.56 cfs

WATER USES

OK
Inr. 1.40 cfs 70x3.0 af Irrig -
" 40 cfs 20.5 af 5.4
from 90s 20.5 cfs 20.5 af 5.4
Reel 90s 20.5 cfs 20.5 af
Div to 90s 1.56 cfs 20.5 af Domestic
TOTALS 1.56 cfs 20.5 af Power
Fish (042) Fire (077) Wtr Quality (081/R07)

overlap (R58-R61, R62-R65, R66-R69)
supp. gw (WB7/065/079)
overlap spec. combined rts (W35)
<1 acre (W31)
(W01/WB5/070/071/075)
(W42 or W43/025/027/R22 or R23)
Wtr Quality (081/R07)

Flow rate 1.56 cfs x 246 days X 1.98 = 759.8 af

REMARKS

ADD'L CONDITIONS ☐ Watermaster Control WD# _____
☐ GW Measurement/Measuring Device
☐ Others Trust (052/R55 - remove 051) Non-trust (048/049)

Advance Priority ☐ yes ☒ no

SRBA Claim N/A

Adjust Memo
Amend letters

SWSE = Lot 4
3.0 af/ae
02/03/25.4
OK golf course > 1" ac div.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

AUG 17 1998

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 95-08546

1. Owner: Twin Lakes Village Property Owners Assn. Phone No. (208) 687-1311

Current Address: Rt. 4 Box V-551 Rathfrun ID 83858

2. Accompanied by: Terry Holt, Steve Martin EXAM DATE: July 9, 1998

Address: Same Phone No. _____

Relationship to Permit Holder: assistant grounds keeper, greens maintenance supervisor

3. Source: Groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 95-07618

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
#1	03		NE	SE	8	52N	4W	Kootenai	USGS 7.5' Quad., Aerial Photo
#2	03		NE	SE	8	52N	4W	Kootenai	USGS 7.5' Quad., Aerial Photo

2. Place(s) of Use:

Indicate Method of Determination Aerial Photo, Planimeter

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	4W	8			02-9	02-20									03-15	03-10	03-8	03-8	70

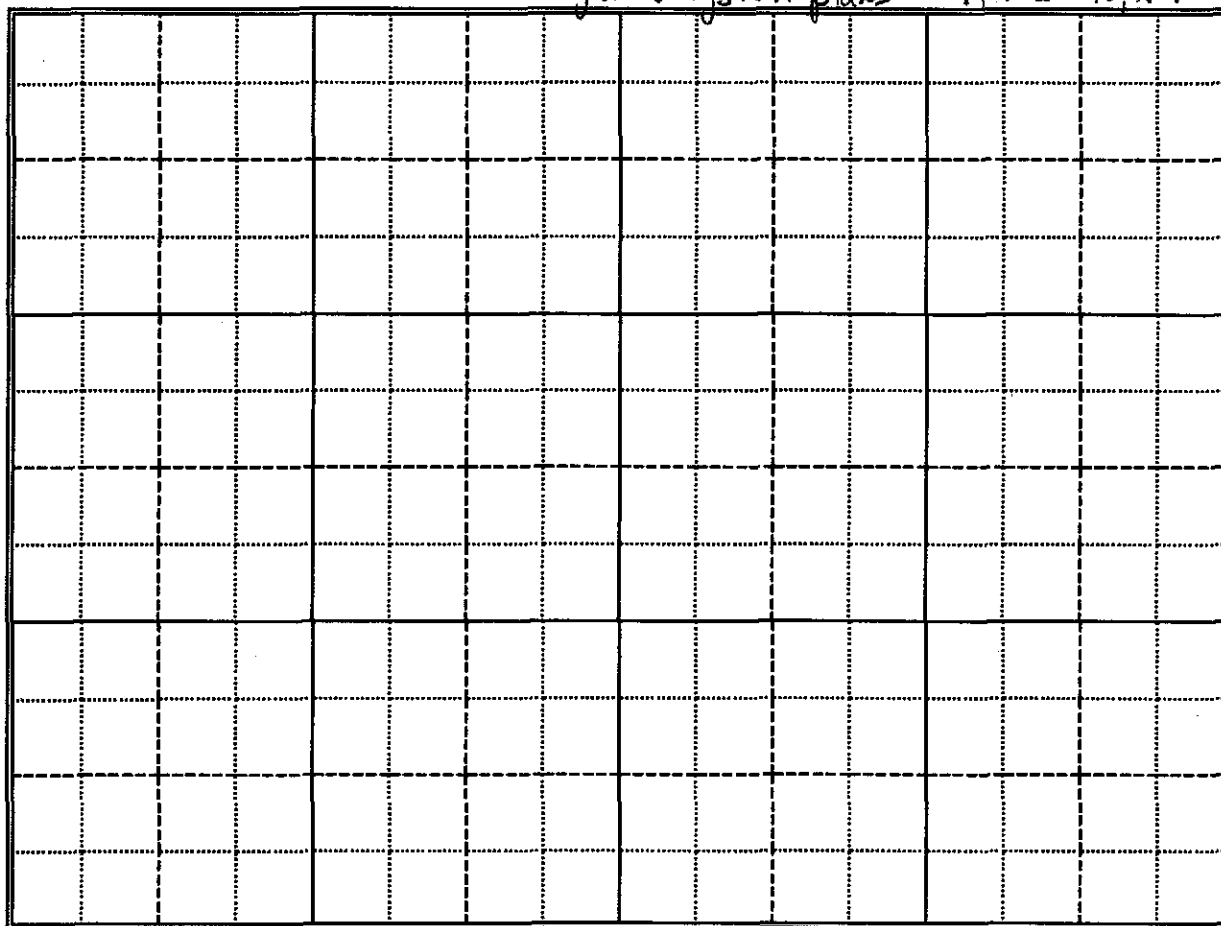
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total = 70 acres

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

See irrigation system plans: 9, A-E - 10, A-F - 11, A-E



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		50		Submersible	
Well # 2		60		Submersible	

*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		McGrometer		95-3338 4		
Flow meter		McGrometer		95-3339 4		

2. Measurements: #1 - 50 Hp pump at 48 psi = 300 gpm (.67 cfs)
#2 - 60 Hp pump at 48 psi = 400 gpm (.89 cfs)

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E. NARRATIVE/REMARKS/COMMENTS

Water is being diverted at a combined maximum rate of 700 gpm (1.56 cfs) from 2 wells. Well #1 utilizes a 50 horsepower pump, well #2 a 60 horsepower pump to divert water into a storage pond for irrigation. The capacity of the storage pond is 5.35 a.f.

Water is then pumped from storage using (2) 50 horsepower and (1) 10 horsepower pumps for irrigation of 70 acres through an underground sprinkling system.

Water is also being used to fill an additional 7 ponds around the course for recreational storage. The combined volume of these ponds is 20 a.f.

The copies of the irrigation plans (included), #s 9, A-E 10A-F 11, A-E are of the "front" 9 holes. Steve Martin (greens maintenance supervisor) stated that the irrigation system for the back 9 holes are basically the same but the design plans were lost in a fire.

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

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F. FLOW CALCULATIONS

Measured Method:

700 gpm (1.56 cfs)

☒ Additional Computation Sheets Attached

See Theoretical Calculations

$$\frac{1 \text{ cfs}}{x} = \frac{448.83 \text{ gpm}}{700 \text{ gpm}} = \frac{(\cancel{448.83})(x)}{448.83} = \frac{700}{448.83} = x = 1.56 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (70 \text{ acres})(3.5 \text{ af/acre/season}) = 245 \text{ afa}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = (1.56 \text{ cfs})(245 \text{ days})(1.9835) = 758 \text{ afa}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 245 \text{ afa}$$

2. Volume Calculations for Other Uses: Recreation Storage (8 ponds) .6 = slope factor

$$(360 \text{ ft})(90 \text{ ft})(12 \text{ ft})(.6) = 233280 \text{ ft}^3 / 43560 \text{ ft}^2 = 5.35 \text{ af}$$

$$(370 \text{ ft})(82 \text{ ft})(12 \text{ ft})(.6) = 218448 \text{ ft}^3 / 43560 \text{ ft}^2 = 5.01$$

$$(206 \text{ ft})(80 \text{ ft})(8 \text{ ft})(.6) = 79104 \text{ ft}^3 / 43560 \text{ ft}^2 = 1.82$$

$$(260 \text{ ft})(90 \text{ ft})(12 \text{ ft})(.6) = 140400 \text{ ft}^3 / 43560 \text{ ft}^2 = 3.87$$

$$(4 \text{ ponds})(200 \text{ ft})(50 \text{ ft})(8 \text{ ft})(.6) = 192000 \text{ ft}^3 / 43560 \text{ ft}^2 = 4.41$$

H. RECOMMENDATIONS

20.46 af

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation	3/15	11/15	1.56	245
Irrigation Storage	1/1	12/31		20
Irrigation from Storage	3/15	11/15		245
Recreation Storage	1/1	12/31		20
Diversion to Storage	1/1	12/31		265
Totals:			1.56 cfs	265 afa

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. AUTHENTICATIONField Examiner's Name Daniel A. Poyel Date Aug 13, 1998

Reviewer _____ Date _____

 SEAL
 MICROFILMED
 APR 13 1999

THEORETICAL PUMP EFFICIENCY CALCULATIONS

FILE: 95-08546, TWIN LAKES

DATE: 10-JUL-98

COMPLETE BY: PAGEL

HORSEPOWER = 50

PUMP EFFICIENCY = 70%

DYNAMIC LIFT = 365 FEET

SYSTEM PRESSURE = 48 PSI

QUANTITY = 0.65 CFS

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THEORETICAL PUMP EFFICIENCY CALCULATIONS

FILE: 95-08546, TWIN LAKES
DATE: 10-JUL-98
COMPLETE BY: PAGEL

HORSEPOWER = 60

PUMP EFFICIENCY = 70%

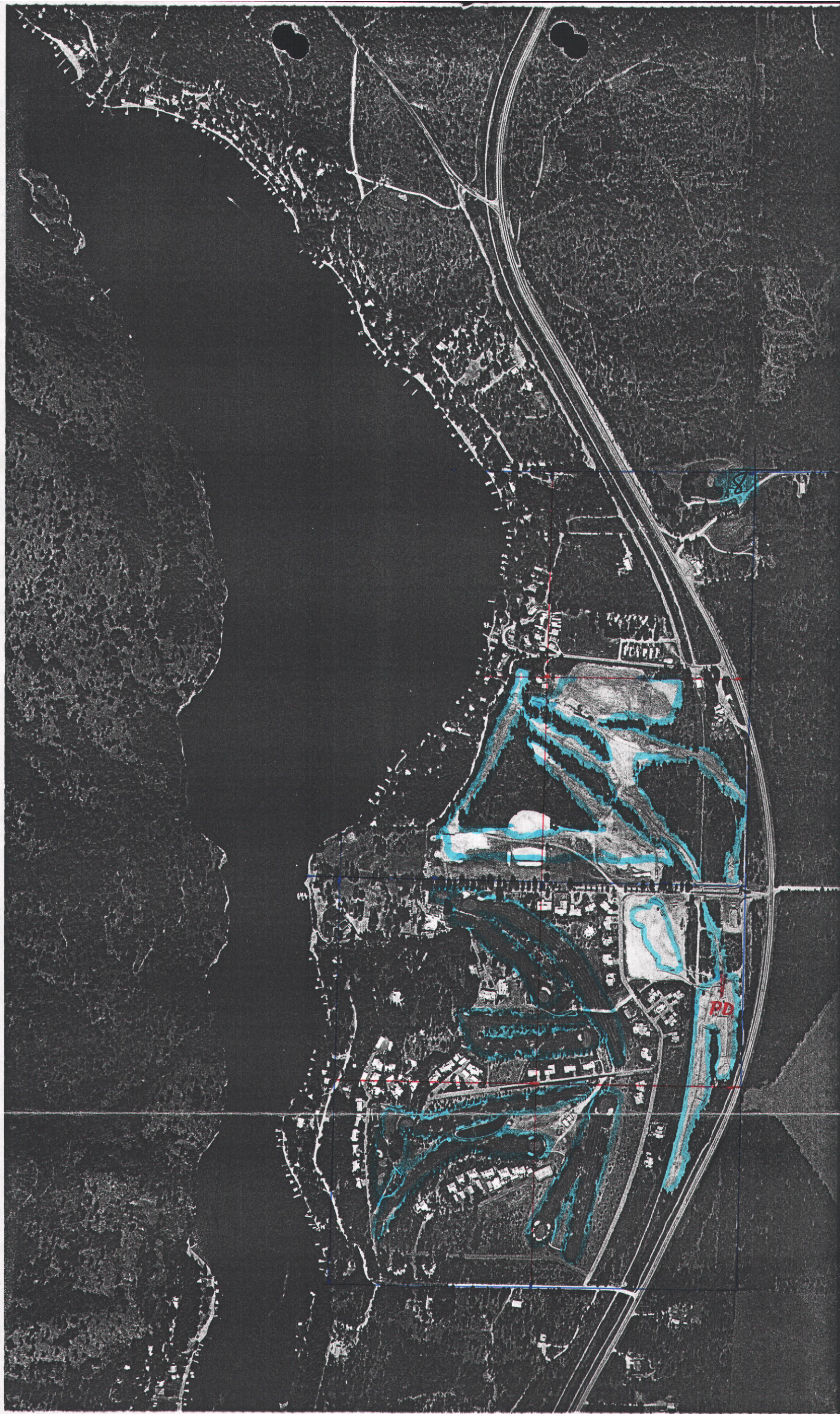
DYNAMIC LIFT = 365 FEET

SYSTEM PRESSURE = 48 PSI

QUANTITY = 0.78 CFS

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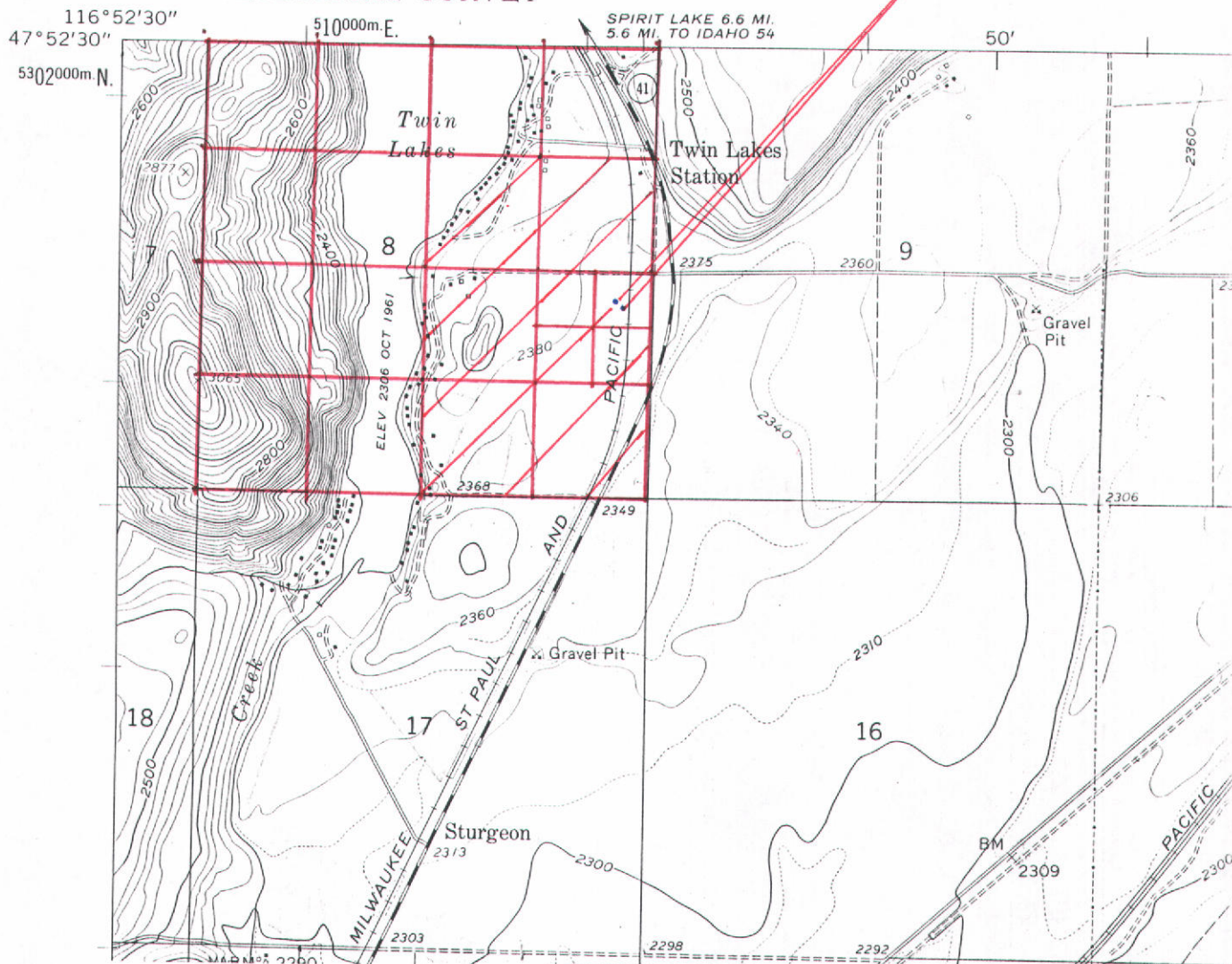
APR 13 1999



(SPIRIT LAKE WEST)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P.D.



95-08546

T. 52N., R. 04W., Sec. 08

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TWIN LAKES Village Prop. Owners Assoc.

APR 13 1999

95-08546

T. 52 N., R. 04 W., Sec. 8

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T. 52 N., R. 04 W., Sec. 8

URCES

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Point of
diversion
Well # 1

'98 7 9

Point of
diversion
Well # 2

'98 7 9

irrigation
Storage
Pond

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'98 7 9

PERMIT # 95-08546

STATE OF IDAHO

SOURCES
ENT

Pump house...

Flow meters

Pipe works

Diversion to
irrigation
Storage



Pumping system
From storage
to place of use -
irrigation

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PERMIT # 95-08546

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
FIELD REPORT SUPPLEMENT

PHOTOGRAPHS



Place
of
USE



Place
of
USE

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PERMIT # 95-08546

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES



Place of USE



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WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Twin Lakes

Address RT 4 Box V551

Owner's Permit No. 95-87-N-48

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other

Thickness	Diameter	From	To
<u>.250</u> inches	<u>8</u> inches	<u>+ 2</u> feet	<u>446</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☒ Yes ☐ No

Was a packer or seal used? ☒ Yes ☐ No

Perforated? ☒ Yes ☐ No

How perforated? ☐ Factory ☒ Knife ☐ Torch

Size of perforation 1/16 inches by 2 inches

Number	From	To
<u>1'000</u> perforations	<u>380</u> feet	<u>446</u> feet
<u>500</u> perforations	<u>330</u> feet	<u>380</u> feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 100 Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____

Sealing procedure used: ☒ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depth

Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld

☐ Cemented between strata

Describe access port _____

7. WATER LEVEL

Static water level 366 feet below land surface.

Flowing? ☐ Yes ☒ No G.P.M. flow 0

Artesian closed-in pressure 0 p.s.i.

Controlled by: ☐ Valve ☐ Cap ☐ Plug

Temperature _____ °F. Quality good

Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
<u>300</u>	<u>440</u>	<u>8 to 10</u>
_____	_____	_____
_____	_____	_____

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
<u>10 1/4</u>	<u>0</u>	<u>40</u>	sand ; Boulders		X
	<u>40</u>	<u>125</u>	Cemented Gravel		X
	<u>125</u>	<u>175</u>	Sand; gravel; clay		X
	<u>175</u>	<u>225</u>	sand; claymix		X
	<u>225</u>	<u>330</u>	gravel; boulders		X
	<u>330</u>	<u>352</u>	shal ; gray	X	
	<u>352</u>	<u>446</u>	Cemented gravel	X	
			Mud drilled to 450 feet		
			7/78. Reamed to 450 feet		
			10 1/4.		
			Set 8 inch casing to 446. Perforated from 330; 440 feet. Went in and developed 8 to 10 hours.		

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JUL 02 1987

Department of Water Resources

APR 13 1999

10.

Work started 3/10/87 finished 3/30/87

6. LOCATION OF WELL

Sketch map location must agree with written location.

N

W

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S

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N 102,000

N 101,500

120 VOLT COMPILER SERVICE; SEE 

- SATELLITE ORIENTATION _____ B - 9 - A
SATELLITE STATION _____
HEAD TYPE _____

A - PHHDIPD 91 DP 11/32 x 15/64 NOZZLE
B - PHHDIPD 51 DP 5/16 x 3/16 NOZZLE
C - PHHDIPD 41 DP 1/4 NOZZLE
WHITE SATELLITE CATHODE, ALL IN 120 V
WHITE TUBE CATHODE

三

- | | |
|-------------|-------------|
| light | black |
| common | white |
| spring | spring |
| greats/tebs | red |
| flflflfls | blue |
| flflflfls | green |
| extra | violet |
| | (c program) |
| | (c program) |
| | (c program) |

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 APR 13 1999

1/88

PROOF OF BENEFICIAL USE

ANALYSIS SHEET

Permit No. 958546

Date: 12-13-90

General Considerations:

- ☒ Name same as permit
☒ Signature the same as permit holder
☒ Address change _____ If yes, prepare a data entry
☒ Proof received timely
_____ Reinstated

Source of Water:

- ☒ Surface water
☒ Groundwater
_____ 1. well log in file
_____ 2. drilling permit _____ *probably req'd for well # 2 drilled 7-15-87.*
_____ A. amount of drilling fee paid for proposed uses

Extent of Use and Rate of Diversion:

- ☒ Rate of diversion appropriate for uses
☒ Is rate or volume and fee appropriate?
☒ Has permit holder indicated when water was first put to a beneficial use?

Measuring Device:

- ☒ Is a measuring device or access port required?
☒ Has one been installed?
☒ Waiver or modification of measuring device requested

Remarks: needs reinstatement

1/2 Priority Calculation:
Date proof received Aug. 27
Date proof due Aug. 1
No. of days late = 26
Priority date May 28 '87 + 148
NEW PRIORITY DATE June 13, 87 = 164

SEND FILES TO DATA ENTRY AND THEN TO MICROFILM

State of Idaho
Department of Water Resources

APPLICATION FOR PERMIT ANALYSIS SHEET

INITIAL REVIEW BY: KK

APPLICATION NUMBER: 95-8546

CHECK:

- ☒ Source.
☒ Point of diversion.
☒ County.
☒ Quantity of water and period of use.
☒ Description of diverting works.
☒ Time required for beneficial use of water.
☒ Place of use or acres irrigated.
☒ Map.
☒ Signature.
☒ Fee.
☐ Yes ☒ No Field check required.
☐ Yes ☒ No Critical groundwater area.
☐ Yes ☒ No Request dam safety information. Sent by: _____ Date: _____
☒ Yes ☐ No* In form to receipt.

Field check by: _____

Date: _____

Comments: _____

*REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT: _____

SEND COPIES TO:

- ☐ Idaho State Health Department.
☐ Idaho Fish and Game Department.
☐ Idaho Department of Lands.
☐ U.S. Bureau of Land Management.
☐ U.S. Forest Service.
☐ Other _____

Copies sent by: _____ Date: _____

PROCESSING:

- ☐ Yes ☐ No Platted by: _____ Map No. _____
☐ Yes ☐ No Other rights on same place of use. _____

- ☒ Yes ☐ No* In form for advertising.
Final date for protests: 6/22/87
☐ Yes ☒ No Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

- ☒ Affidavit of publication received. Date: 4/12/87
☐ Application published correctly. If not, record action taken: _____
☒ Fee amount, receipt date & number, recorded on application.
☒ Publication dates and paper, recorded on application.
☒ Protests, dates, withdrawal, etc., recorded on application.
☒ Recommendation & initial, recorded on application.
☐ Yes ☒ No Measuring device required.
☒ Yes ☐ No Access port required.
☐ Yes ☒ No Will water be delivered by watermaster? If yes, what district? 4th
☒ 5/28/87 Date of priority recommended.
Special conditions of approval or cover letter. _____

INTERFILMED

allow excess water for irrig. of golf course - will exceed 1" per acre but to ok due to irrig. practice
allow 3 yrs. for B/U development -

By: PJA Date: 6/24/87

STATE OFFICE REVIEW:

103,117 OIG 26 **RECEIVED**

- ☐ See attached sheet for more information.

By: fw Date: 7/7/87 JUN 29 1987



LAND PLANNING AND LANDSCAPE ARCHITECTURE

May 28, 1987

State of Idaho
Department of Water Resources
Attn: Mr. Bob Haynes
4055 Government Way, #9
Coeur d'Alene, ID 83814

RE: TWIN LAKES VILLAGE GOLF COURSE
WELL PERMIT PROCESS

Dear Bob:

Pursuant to our conversation of May 27, 1987 with regard to the above referenced project, Landmark has prepared the following land descriptions that best represent the approximate location of the existing golf course and the proposed nine holes. All descriptions fall within Section 8, township 52 North, Range 4 West.

The descriptions for the new nine holes are:

- a) 4.2 acres lying in the southwest quarter of the northeast quarter of Section 8.
- b) 19.4 acres lying in the southeast quarter of the northeast quarter of Section 8.
- c) 7.2 acres lying in the northeast quarter of the southeast quarter of Section 8.
- d) 1.0 acre lying in the southeast quarter of the southeast quarter of Section 8.

The descriptions for the existing golf course are:

- a) 9.7 acres in the northwest quarter of the southeast quarter of Section 8.
- b) 7.9 acres in the northeast quarter of the southeast quarter of Section 8.
- c) 10.35 acres in the southwest quarter of the southeast quarter of Section 8.
- d) 10.12 acres in the southeast quarter of the southeast quarter of Section 8.

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AUG 25 1987