

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
JAN 05 1999
DEPARTMENT OF WATER RESOURCES

A. GENERAL INFORMATION

Permit No. 37-08478

1. Owner: RIVERWOODS HOMEOWNER'S ASSOC. Phone No. (208) 726-7888

Current Address: PO BOX 3801, KETCHUM, ID. 83340

2. Accompanied by: GREGG STURTEVANT AND EXAM DATE: 1906-98

Address: ALFRED LAPETER Phone No. _____

Relationship to Permit Holder: PRESIDENT OF ASSOCIATION

3. Source: GROUNDWATER tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 37-08480, -08465

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

C. DIVERSION AND DELIVERY SYSTEM

37-08480 Licensing Exam 10/19/1998 (Lot 1)
37-08465 " " " 01/24/1991 (Lot 2)

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		NW	SW	SE	01	04N	17E	BLAINE	FIELD EXAM/SUBD. PLAT MAP
									GPS TAG A0007839

2. Place(s) of Use:

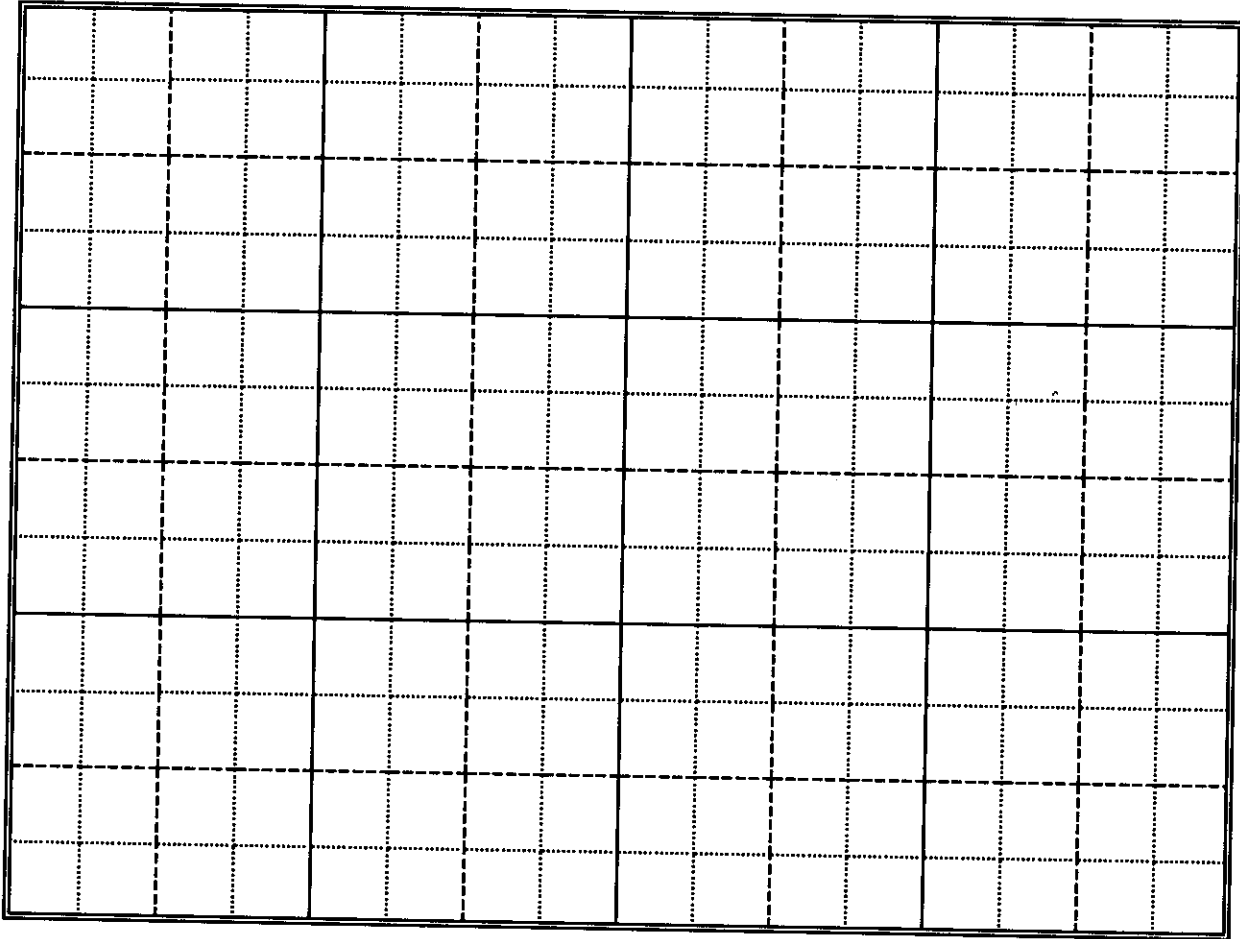
Indicate Method of Determination

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	17E	01													4.0	4.0			
		01													D	D			
		12.			1.5														
		12.			D														

PROFILED
DATE 1/14/03

SCANNED
JAN 14 2003

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	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
A0007839		15	23000039020	FRANKLIN	
" "		15		" "	

*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
PUMP CURVE						
THEORETICAL						

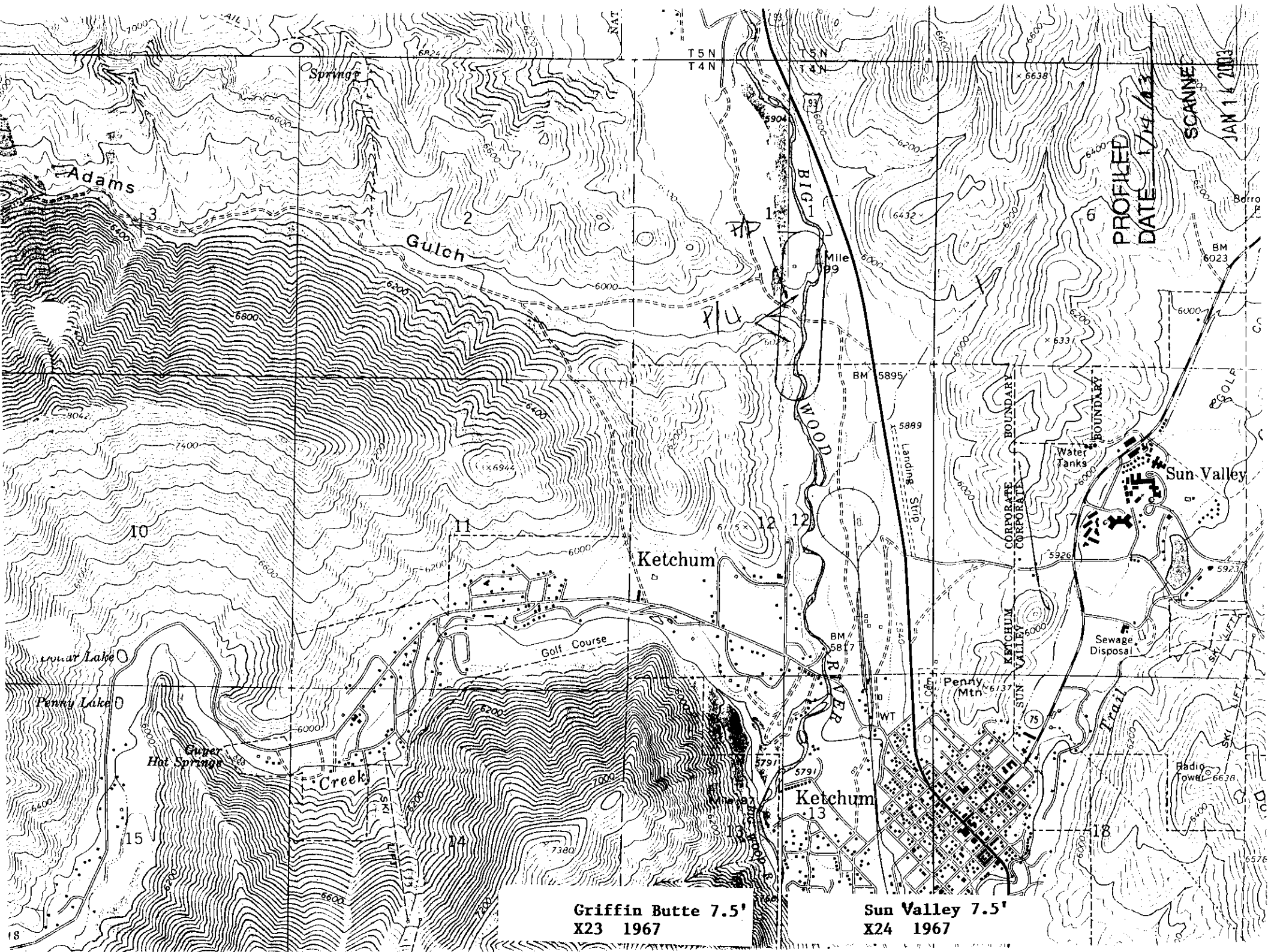
2. Measurements: SEE ATTACHED SHEETS

PROFILED

DATE: 1/14/03

SCANNED

JAN 14 2003



PLAT SHOWING

RIVERWOODS SUBDIVISION

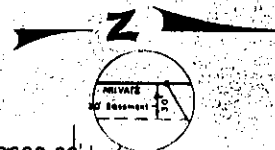
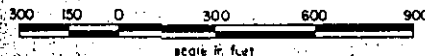
A PORTION OF

The SE 1/4 of Sec. 1 & NE 1/4 of Sec. 12, T. 4 N., R. 17 E., B.M.

BLAINE COUNTY, IDAHO

1976

SCALE
REDUCED = 50%



CITY OF KETCHUM

UNPLATTED

REAL POINT
OF BEGINNING
1/4 cor

South Riverwoods Road

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

516

UNPLATTED

UNPLATTED

C 1/4
Sec. 12

S. 0° 00' 00" E.

545.00'

N. 89° 38' 01" E.

435.44'

N. 22° 22' 26" W.

407.16'

N. 3° 08' 38" E.

212.40'

S. 85° 10' 59" E.

178.63'

N. 3° 37' 08" E.

586.17'

N. 3° 31' 01" W.

248.68'

N. 12° 14' 43" W.

172.24'

N. 37° 41' 16" W.

322.23'

N. 11° 32' 40" E.

574.63'

N. 17° 35' 21" W.

407.05'

N. 28° 55' 01" E.

285.32'

N. 4° 17' 47" W.

387.09'

N. 12° 50' 38" E.

256.42'

N. 12° 04' 35" W.

219.87'

N. 30° 58' 31" E.

512.58'

N. 3° 19' 23" E.

465.78'

N. 31° 13' 42" W.

635.31'

S. 89° 4' 1" W.

353.00'

C 1/4
Sec. 1

S. 0° 16' 19" E.

2629.60'

N. 3° 19' 23" E.

465.78'

N. 31° 13' 42" W.

635.31'

S. 89° 4' 1" W.

353.00'

C 1/4
Sec. 1

S. 0° 16' 19" E.

2629.60'

LOT SIZES

1. 4.8 acres, approx.
2. 4.4 " "
3. 5.4 " "
4. 2.5 " "
5. 1.9 " "
6. 2.9 " "
7. 2.3 " "
8. 2.9 " "
9. 1.2 " "
10. 6.8 " "
11. 19.9 " "

NOTES

1. There is hereby reserved a drainage easement of sufficient width to allow free flow of drainage water along all existing natural drainages.
2. There is hereby reserved a snow removal and slope cut or fill easement 20' Westerly and 40' Easterly of the respective edges of the roadway easement on Lots 7 and 8.
3. Lot 1 shall not be considered buildable until the flood hazard problem is defined and resolved to the satisfaction of the Blaine County Commissioners and the Ketchum City Council.
4. Lot 11 shall not be considered buildable until an access easement is provided to the satisfaction of the same public officials.

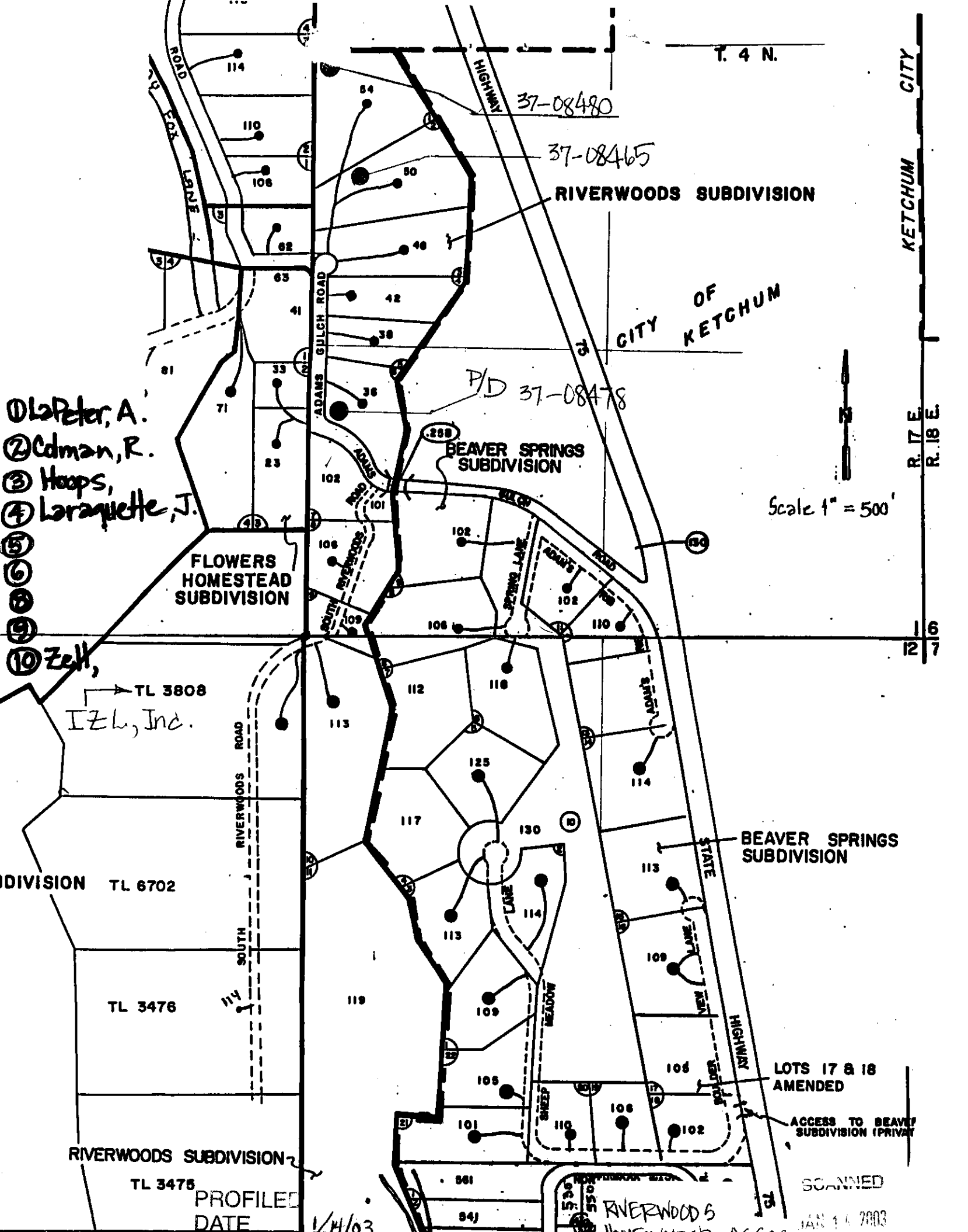
LEGEND

- Brass Cap found (B.L.M.)
- 1/2" x 24" rebar set
- 1/2" x 24" rebar set (witness corner)
- 5/8" rebar found
- 5/8" x 30" rebar set
- 30' wide private roadway easement with public access
- Designated area where permanent structures are to be erected.
- Drainage easement
- Approx. I.R.F. Line
- C of dedicated roads (Adam's Gulch & North Riverwoods)

CURVE DATA

CURVE	R	Δ	T	L	CH. L.	BEAR.
C-1	241.35'	40° 08' 36"	88.18'	169.08'	165.65'	S 36° E
C-2	271.33'	40° 08' 36"	99.14'	190.10'	186.24'	S 50° 41' 36" E
C-3	301.33'	40° 08' 36"	110.10'	211.12'	206.83'	S 50° 41' 36" E
C-4	36.62'	70° 29' 35"	25.88'	45.05'	42.27'	S 35° 31' 07" E
C-5	54.95'	54° 49' 06"	28.49'	52.57'	50.59'	S 58° 01' 51" E
C-6	84.95'	54° 49' 06"	44.05'	81.28'	78.21'	S 58° 01' 51" E
C-7	114.95'	28° 27' 13"	29.14'	57.09'	56.50'	S 71° 12' 49" E
C-8	114.95'	26° 21' 53"	26.92'	52.89'	52.43'	S 43° 48' 15" E
C-9	65.58'	66° 12' 25"	42.76'	75.78'	71.63'	S 5° 04' 49" W
C-10	69.80'	46° 57' 37"	30.32'	57.21'	55.62'	S 4° 32' 34" E
C-11	101.78'	50° 09' 30"	47.63'	89.10'	86.28'	S 44° 01' 00" W
C-12	394.57'	35° 12' 52"	125.22'	242.51'	238.71'	S 67° 49' 58" E
C-13	73.42'	49° 41' 54"	34.00'	63.68'	61.71'	S 75° 04' 29" E

KOONCE & BUTLER
CONSULTING ENGINEERS



- ① Peter, A.
- ② Edman, R.
- ③ Hoops,
- ④ Loraquette, J.
- ⑤
- ⑥
- ⑦
- ⑧
- ⑨
- ⑩ Zell,

DIVISION TL 6702

TL 3476

RIVERWOODS SUBDIVISION TL 3475

PROFILED DATE

1/4/03

E. NARRATIVE/REMARKS/COMMENTS

E. NARRATIVE/REMARKS/COMMENTS

FROM: Georgia Satterlee
DATE: 16 December 1998
RE: 37-08478

On 19 October 1998 I met with Al LaPeter and Gregg Sturtevant to conduct a field examination for the above permit which is for Riverwoods Subdivision. Mr. LaPeter is the President for Riverwoods Homeowner's Association and lives in house on Lot 1 (see 37-08480).

The groundwater serves the homeowners with domestic and irrigation uses. The well is located in the NWSWSE $\frac{1}{4}$ of Section 1, T04N, R17E with the attached GPS tag A0007839. The location of the well can be described as being in the south-west portion of Lot 6 of the Riverwoods Subdivision, which is also the lot located at 36 Adams Gulch Road.

Mark Koffer of the Walker Water Systems submitted pump curves. I was informed that the pumps work seperately. However, when the demand increases, they can work together. The two 15 horsepower Berkley pumps each have an output of 0.33 cfs. A theoretical calculation shows a 0.49 cfs diversion rate.

The domestic use is for 9 homes, although it appears Lot 1, Lot 2, and Lot 10 all have individual wells that can be tapped into each residence.

The irrigation element is strictly for Lots 3-6 and Lots 8-10. The irrigation for Lot 1 (37-08480) and Lot 2 (37-08465) are covered.

On 19 October 1998, I conducted the field examinations for both permits, 37-08478 and 37-08480 (LaPeter), simultaneously. In 1991, a field examination was conducted for 37-08465, for Robert Colman who lives on Lot 2 in the Riverwoods Subdivision. During the 1991 examination, it was noted that the well, on Lot 2, also supplied water to the trout pond. It appears that the pond straddles the west portion of both Lots 2 and 3.

While conducting the recent field examinations, I saw several ponds and numerous ditches meandering throughout the subdivision. The aerial photography (1992 flight) validates this statement. It appears the ponds and ditches are being supplied with water from both groundwater (see field examinations 37-08465 and 37-08480) and surface water.

My recommendations are primarily for the permit which is groundwater. The issue of diverting from the Big Wood River needs to be addressed.

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

PROFILED
DATE 1/14/03

SCANNED

JAN 17 2003

F. FLOW CALCULATIONS

Measured Method:

✓ Additional Computation Sheets Attached

"PUMP CURVE" SUBMITTED,
THEORETICAL
RATE
INCLUDED

PERMIT RATE 0.87
EXAM FEE LIMIT 1.00
"MEASURED" RATE 0.33
RECOMMENDED RATE 0.33

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 9.5 (3.5) 33.253$$

$$V_{D.R.} = [\text{Diversión Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.19 (215) 1.9835 = 81$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 33.253 \text{ ac ft}$$

2. Volume Calculations for Other Uses:

$$0.02 \text{ cfs/acre} = 9.5 \text{ ac} = 0.19 \text{ cfs}$$

WELL HAS CAPACITY OF 0.66 cfs WHEN PUMPS ARE BOTH
OPERATING

$$\text{DOMESTIC VOLUME IN HOUSE} = 0.6 \text{ af (9 homes)} = 5.4 \text{ af}$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use

Irrigation
Domestic (homes)
(only)

Period of Use	From	To	Rate of Diversion Q (cfs)	Annual Volume V (afa)
	4/1	11/1	0.19 cfs	33.3
	1/1	12/31	0.14 cfs	5.4
Totals:			0.33 cfs	38.7 ac ft.

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 Georgia Satterlee Date 17 Dec 98

Reviewer _____ Date _____

SEAL

PROFILED

DATE 1/14/03

SCANNED

JAN 14 2003

PROFILED
DATE 1/14/03

SCANNED Riverwoods Homeowners Assn.

JAN 4 1 2003

37-08478



photo looking NE'ly Lot 2



Photo looking E'ly

Lot 3

Looking S'ly



2/17

photo looking NE'ly



brand new construction

photo looking SE'ly



Lot 4

PROFILED
DATE 1/14/03

SCANNED

JAN 14 2003

Riverwoods Homeowners Assoc

37-08478

3/7



Front Lot 5



Photo looking E'ly



Back Lot 5

Photo looking W'ly

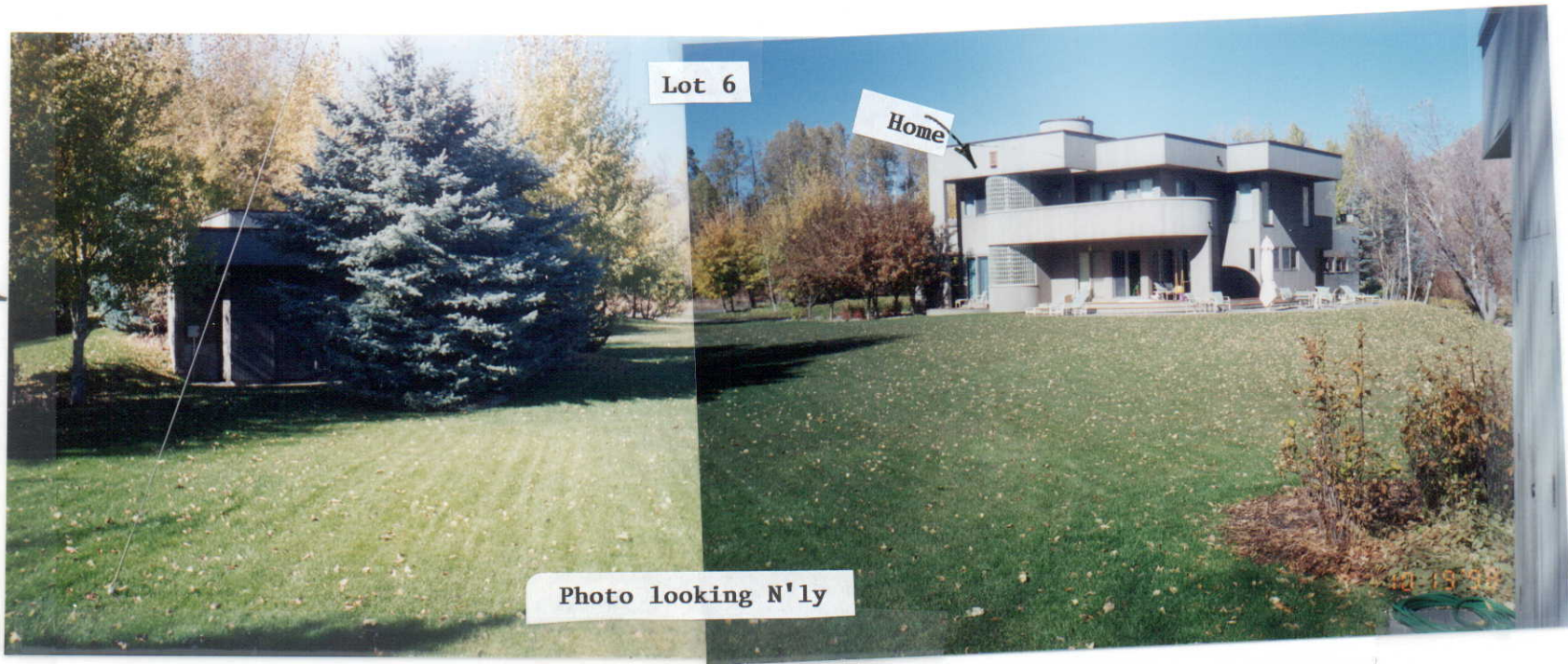
PROFILED
DATE 1/4/03

SCANNED

JAN 14 2013

Riverwoods Homeowners Assn. 37-08478

4/7



pumphouse
for S/D on
Lot 6



PROFILED
DATE 1/14/03

Riverwoods Homeowners Assn. 37-08478

SCANNED

10-1-2003

5/7



Photo looking N'ly

Lot 8

8. Look: 11/1/01

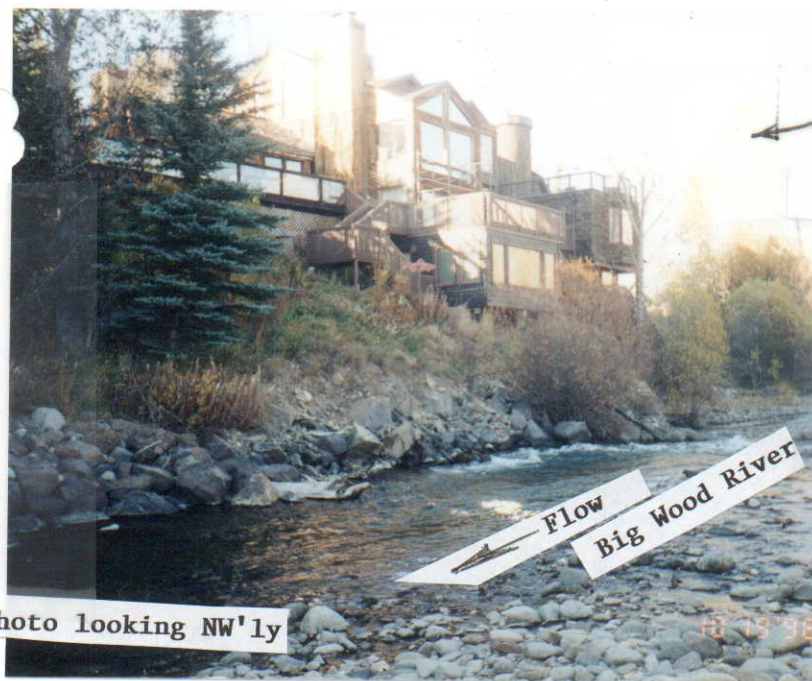


Photo looking NW'ly

Flow

Big Wood River

Lot 9



Photo looking W'ly

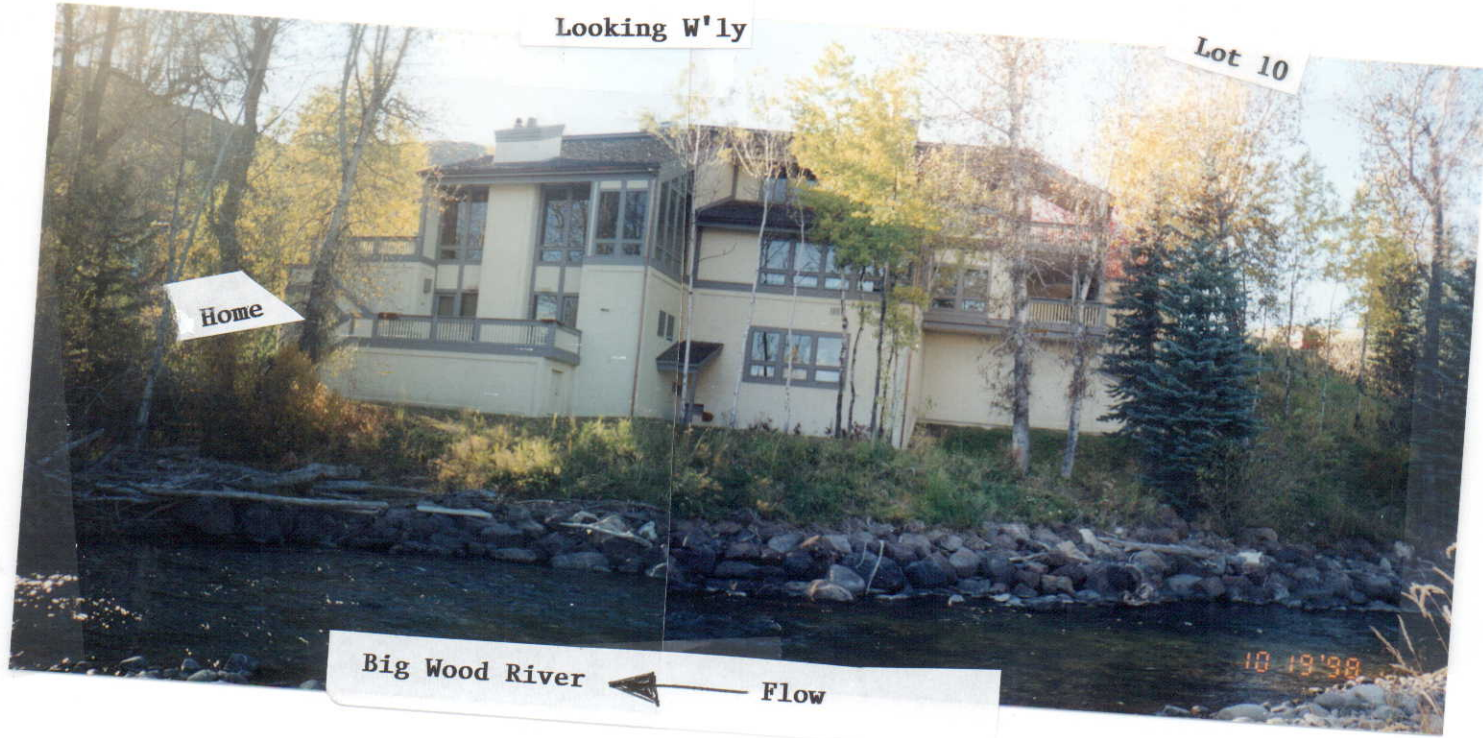
Riverwoods Homeowners Assoc 37-08478

SCANNED

JAN 14 2003

PROFILED
DATE 1/14/03

6/7



PROFILED
DATE 1/14/03

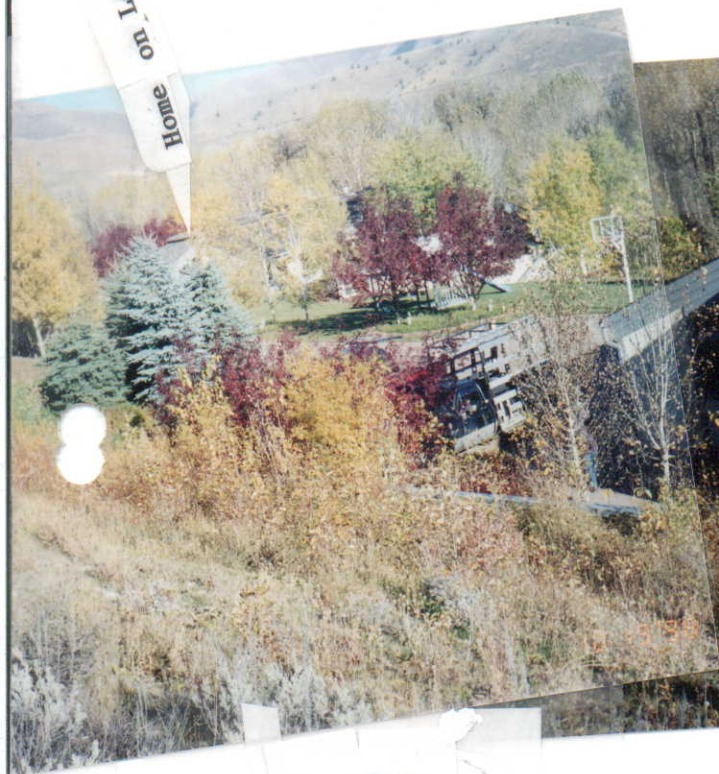
Riverwoods Homeowners Assn. 37-08478
SCANNED

JAN 14 2003

Home on Lot 10
7/7

SCANNED
JAN 14 2003

Riverwoods Homeowners Assn. 37-0847D



Looking E'ly home on TL 3808



PROFILED
DATE 1/14/03



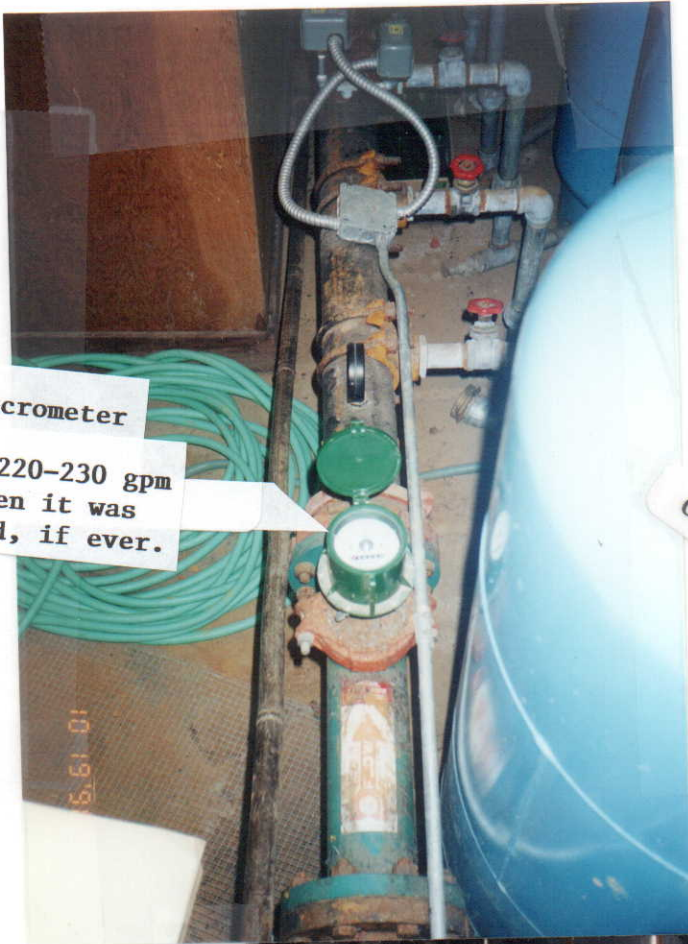
home on TL 3808

Looking N'ly

Lot 10 home

Riverwoods Subd.
Approx. Prop Line

Tax Lot 3808



Micrometer

Readings 220-230 gpm
 Unsure when it was
 calibrated, if ever.

GPS Tag A0007839



2 TWO - 15HP Berkley Pumps



pressure tanks

60-80 PSI

PROFILED
 DATE 1/14/03

Riverwoods Homeowners Assn. 37-08478

SCANNED

JAN 14 2003

LOT ①
Lapeter, A.
Sec 37-08480

LOT ② COLMAN, R.
SEE 37-08465

Scale
1"=200'±

HWY.
75

Pump House

NOT DEVELOPED

LOT ⑦
LOT ⑪

1/4 Cor

Sec 1

Sec 12



LOT ② COLMAN, R.
SEE 37-08465

Scale
1"=200'

4M7.
75

Pumphouse

NOT DEVELOPED

LOT ⑦
LOT ⑪

1/4 Cor

Sec 1

Sec 12

RIVERWOODS HOMEOWNER'S ASSOC

37-08478

