

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8118

Exam Date: 12/19/2011

1. Current Owner: THE HAILEY PARTNERS
3184 AIRWAY AVE STE K
COSTA MESA CA 92626
2. Accompanied by: Field exam completed in office utilizing Department resources.

3. **SOURCE**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 37-20832; irrigation.
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

NW1/4SW1/4

Sec. 15, Twp 02N, Rge 18E, B.M.

BLAINE County

Method of Determination: Point of diversion determined by using 1992 aerial photography, Proof of Beneficial Use and original Application for Permit. Point of diversion appears to be in Twp 02N Rge 18E S 15 NWSW¼. See attached map.

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
02N	18E	15											2.0						2.0

Total Acres: 2

DOMESTIC same as IRRIGATION

Method of Determination: Place of use determined by using 1992 aerial photography, 1990 Infrared Imagery and original Application for Permit. Place of use determined to be in Twp 02N Rge 18E S 15 NWSW¼. See attached map.

3. ___x___ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ___x___ Aerial Photo Attached (required for irrigation of 10+ acres).
- _____ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
					5 HP

D. FLOW MEASUREMENTS N/A**E. FLOW CALCULATIONS**

_____Additional Computation Sheets Attached

Measured Method:

Theoretical yield:

$$Q = \frac{8.8 \times (Hp) \times (Eff)}{H}$$

Where: Hp = 5 Hp

Eff = efficiency = 70% assumed

H = total head = pumping level + (2.31 x system pressure)
 assume pumping level of 50 feet (per Well Drillers Report)
 assume system pressure of 35 psi (based on a general average).

$$H = 50 + (2.31 \times 35) = 130.85$$

$$Q = \frac{8.8 \times 5 \times .70}{130.85} = 0.24 \text{ cfs}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.0 \text{ acres} \times 3.5 \text{ afa} = 7.0 \text{ afa}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.060(215) \times 1.9835 = 25.6 \text{ afa}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 7.0 \text{ afa}$$

G. NARRATIVE/REMARKS/COMMENTS

Permit 37-8118 is for 0.040 cfs domestic and 0.06 cfs irrigation.

Application for permit 37-8118 was submitted by Sally M. and/or Russell L. Horn; was filed on June 2, 1983. Proof of Beneficial Use was submitted on May 22, 1991. Permit had lapsed and was reinstated on May 23, 1991. The priority date was advanced to November 25, 1991.

The field exam was completed in office as the place of use is now a parking lot for the Hailey Airport. Utilizing information submitted on the application, 1992 aerial photography and 1990 Infrared Imagery, I was able to determine the general place of use and general location of the point of diversion. Analysis of Infrared Imagery from 1989 through 1991 indicates the place of use was irrigated in 1989 and 1990. After determining the properties address using the Rural Addressing System, I was able to locate a well abandonment report for the property. I contacted Ken Smith of Wood River Drilling & Pump, Inc., as he had completed the abandonment report, and his records indicated that a 5 Hp pump had been removed from the well. With that information, the abandonment report and the application for permit; I was able to calculate a theoretical yield from the well. A theoretical yield calculation indicates the system is capable of producing 0.24 cfs at a generalized well pressure of 35 psi.

I was not able to determine if the domestic component of this permit was ever developed. A home proposed on the

application for permit was not present in 1992 aerial imagery. The property was sold to the City of Hailey and in the 2004 aerial imagery a paved parking lot covers most of the property. The domestic component has been removed from the license as there was no evidence that domestic use had ever actually been developed.

Overlap analysis indicates the City of Hailey has developed a landscaped berm on the west and northwest side of the property and transferred water right 37-20832 for irrigation of the berm in 2003.

Recommend permitting 0.060 cfs for irrigation with an annual volume of 7.0 acre feet.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	4/01 to 11/01	0.060 CFS	7.0 AFA
	<u>Totals:</u>	0.060 CFS	7.0 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. AUTHENTICATION

Field Examiner's Name

Date

Reviewer

Date

Bill Mink 12-20-2011
[Signature] 12/22/2011

State of Idaho
Department of Water Resources
Water Right License
37-8118

Water Service Area Boundary for The Hailey Partners

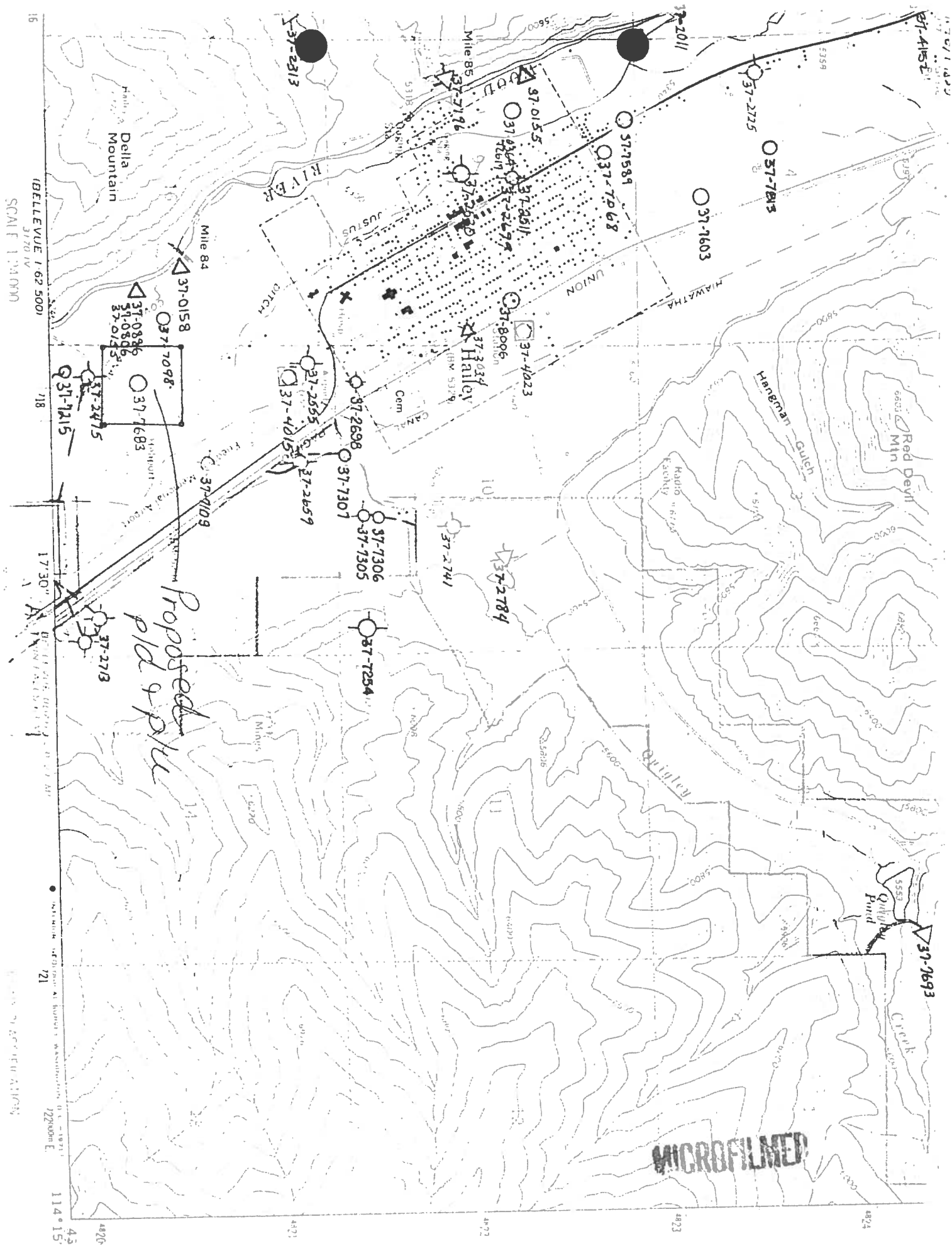


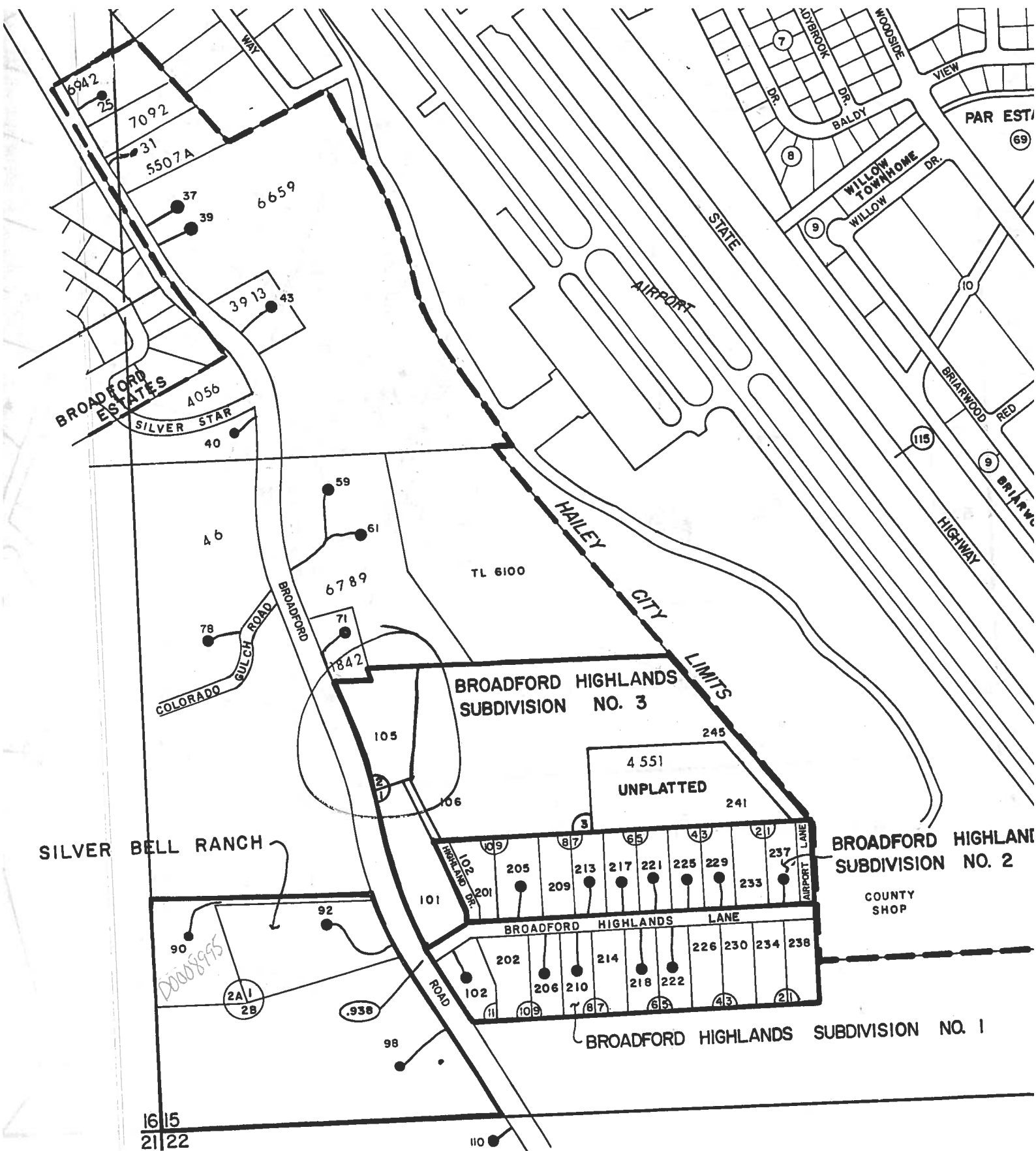
0 0.03 0.06 0.12 Miles

Legend

-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters







Blaine Co.
Rural Addressing System

SEC. 15, T. 2 N., R. 18 E.

Mills, William

From: Merritt, Allen
Sent: Thursday, December 15, 2011 3:53 PM
To: Mills, William
Cc: Luke, Tim
Subject: FW: 37-8118

Bill,

You might put this on your list for FE.

Thanks,

Allen

From: Luke, Tim
Sent: Thursday, December 15, 2011 3:24 PM
To: Watermstr
Cc: Rob Struthers (email@robstruthers.com); Merritt, Allen
Subject: RE: 37-8118

Cyndi, I looked at our file for 37-8118 and there is a parcel map for the place of use and it does appear to match a lot currently owned by the City of Hailey. So, I believe Rob was correct. I would go ahead and add this right to the City of Hailey billing id and assessment. You might put a comment in the spreadsheet that the right is currently under ownership of Horn and should be changed to the city – if you can incorporate such comments in QuickBooks and the printed assessment then the new owner will have a heads up that they need to change the ownership, or they can at least inquire further.

I suspect that the use under the right was either not developed or was abandoned. Looks like IDWR needs to do a license field exam – maybe we can expedite this one as that might also force the ownership issue. If there is no current use, then it might be an easy one for IDWR to address.

Tim