

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-13806

Exam Date: 6/14/2013

1. Current Owner: NORMAN C BLEMLER
1138 PEBBLE BEACH WAY
EAGLE ID 83616
(208)939-8524
2. Accompanied by: Norman Blemler
Phone No: Same
Address: Same
Relationship to Permit Holder:

3. SOURCE

MIDDLE FORK PAYETTE RIVER

TRIBUTARY

PAYETTE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: None

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

MIDDLE FORK PAYETTE RIVER SE1/4SE1/4
BOISE County

Sec. 27, Twp 10N, Rge 04E, B.M.

Method of Determination: Arc Map (Aerial Photo)

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>	
10N	04E	27																0.4	0.4
10N	04E	34	0.3																0.35

Total Acres: 0.75

Method of Determination: Arc Map (Aerial Photo); Tax Lots

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion 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 Size</u>
N/A	G.E.	2	Unknown	Diamond	2"

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Pitot Tube						

2. Measurements: Performed field measurement with a Pitot Tube, but the Pitot Tube was too small. Assume an operating pressure of 30 psi.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method: (Theoretical Horsepower Equation)

$$Q = 8.8 \times 0.7 \times 2/30 + (2.31 \times 30) = 12.32/99.30 = 0.12 \text{ cfs}$$

$$Q(\text{theoretical}) = 0.12 \text{ cfs} > 0.03 \text{ cfs } Q(\text{permit})$$

$$HP = 2$$

$$Z = 30' \text{ (Estimated)}$$

$$P = 30 \text{ psi (Assumed)}$$

Appears that the current pumping system can attain the permit diversion rate of 0.03 cfs.

Although the irrigated place of use is less than 1 acre (0.75 ac.), recommend the diversion rate of 0.03 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.75 \times 3.5 = 2.6 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \times 231 \times 1.9835 = 13.7 \text{ AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 2.6 \text{ AFA}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS**WATER SUPPLY SYSTEM:**

A 2-hp centrifugal pump diverts water from the Middle Fork of the Payette River through a section of 2" PVC suction pipe. The pump discharges water to the right holder's pressurized irrigation system for irrigation of lawn and landscaping.

IRRIGATION SYSTEM:

The pressurized irrigation system is comprised of five (5) stations. The lawn and landscaping is irrigated by pop-up gear driven LR Nelson 6000 sprinklers with No.8 nozzles (9/64"). Along with the pop-up sprinklers, eight (8) drip lines and soaker sprinklers are used to irrigate the trees and shrubs.

OVERLAP ANALYSIS:

Point of Diversion: There are no point of diversion overlaps for Water Right Permit No. 65-13806.

Place of Use: There are no place of use overlaps for Water Right Permit No. 65-13806.

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

CONDITION NO.2(01H) - Prior to diversion of water under this right, the right holder shall install a lockable device. The power/junction box located near the pump has a latch for locking with a padlock. Also, the main fuse breaker switch is located in the locked garage. Right holder has complied with Condition No.2.

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.03	&/or	N/A
Beneficial Use Limit	0.03	&/or	N/A
System Measurement	0.12 (theoretical)	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.03	&/or	N/A

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	4/15 to 10/15	0.030 CFS	2.60 AFA
<u>Totals:</u>		0.030 CFS	2.60 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 *Rick Collingwood* Date 11/1/13
 Reviewer _____ Date _____

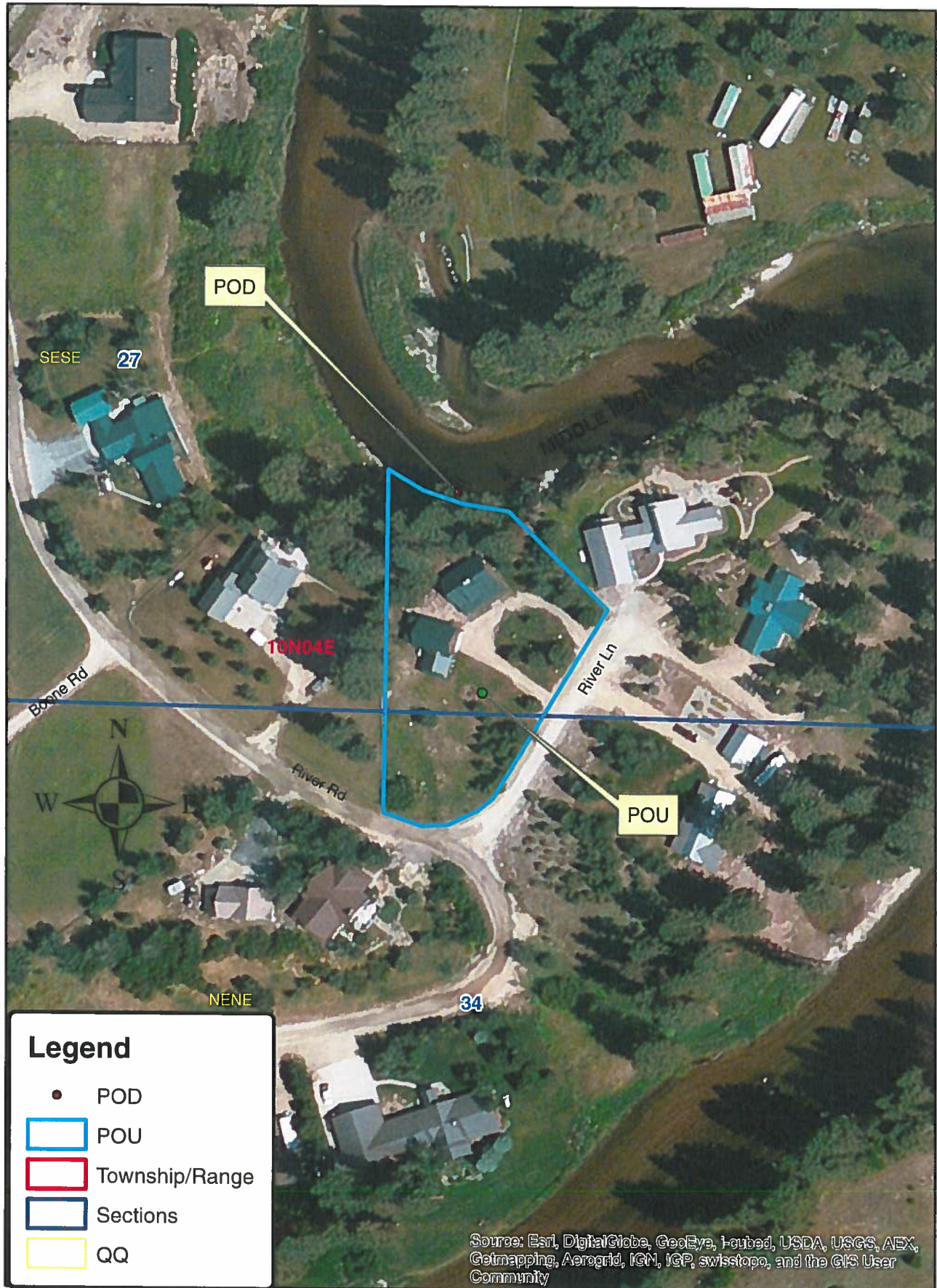
MEMORANDUM

Date: November 01, 2013
To: Water Right File 65-13806
From: kwalker *kay*
Re: Place of use

Per taxlot data the right holder only owns 0.8 acres. Examiner recommended 0.75 acres but that does not account for the buildings and driveways. I found that the driveway and buildings account for 0.2 acres. Recommend 0.6 acres for this right.

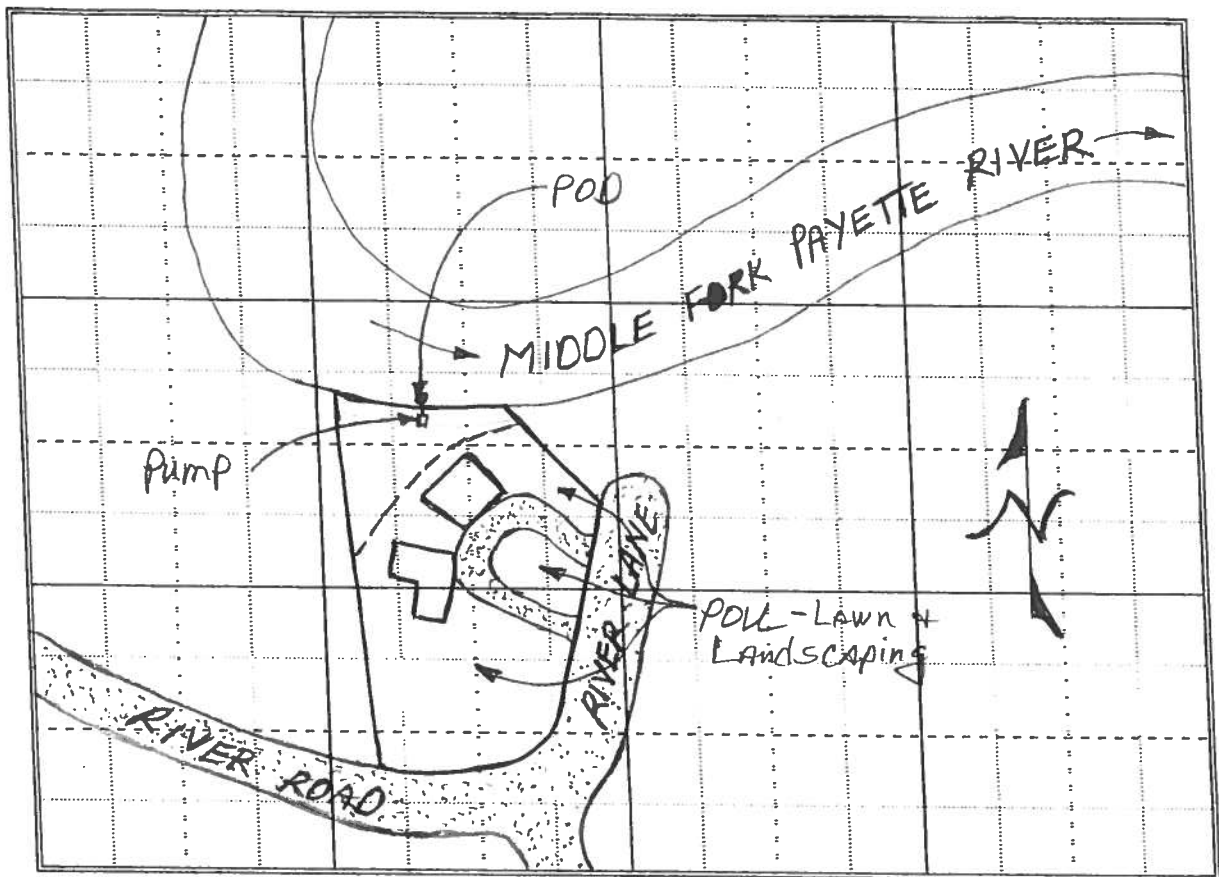
65-13806

ESRI AERIAL PHOTO - 2012



0 40 80 160 240 320
Feet

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.



Scale: 1" = NTS

- ☐ 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

FIELD EXAM PHOTOS

Water Right Permit: 65-13806

Field Exam Date: 6-14-13

PLS: SE1/4, SE1/4 Section 27, T.10N, R.04E.

Field Examiner: RC



Point of Diversion: View of the 2" PVC suction line located near the southerly bank of the Middle Fork of the Payette River.



View of a 2-hp centrifugal pump and the 2" PVC irrigation supply line.



Place of Use: View southwesterly of a portion of the lawn and landscaping irrigated by the pressurized irrigation system. The pressurized irrigation system is comprised of five (5) stations with pop-up gear drive LR Nelson 6000 sprinklers.

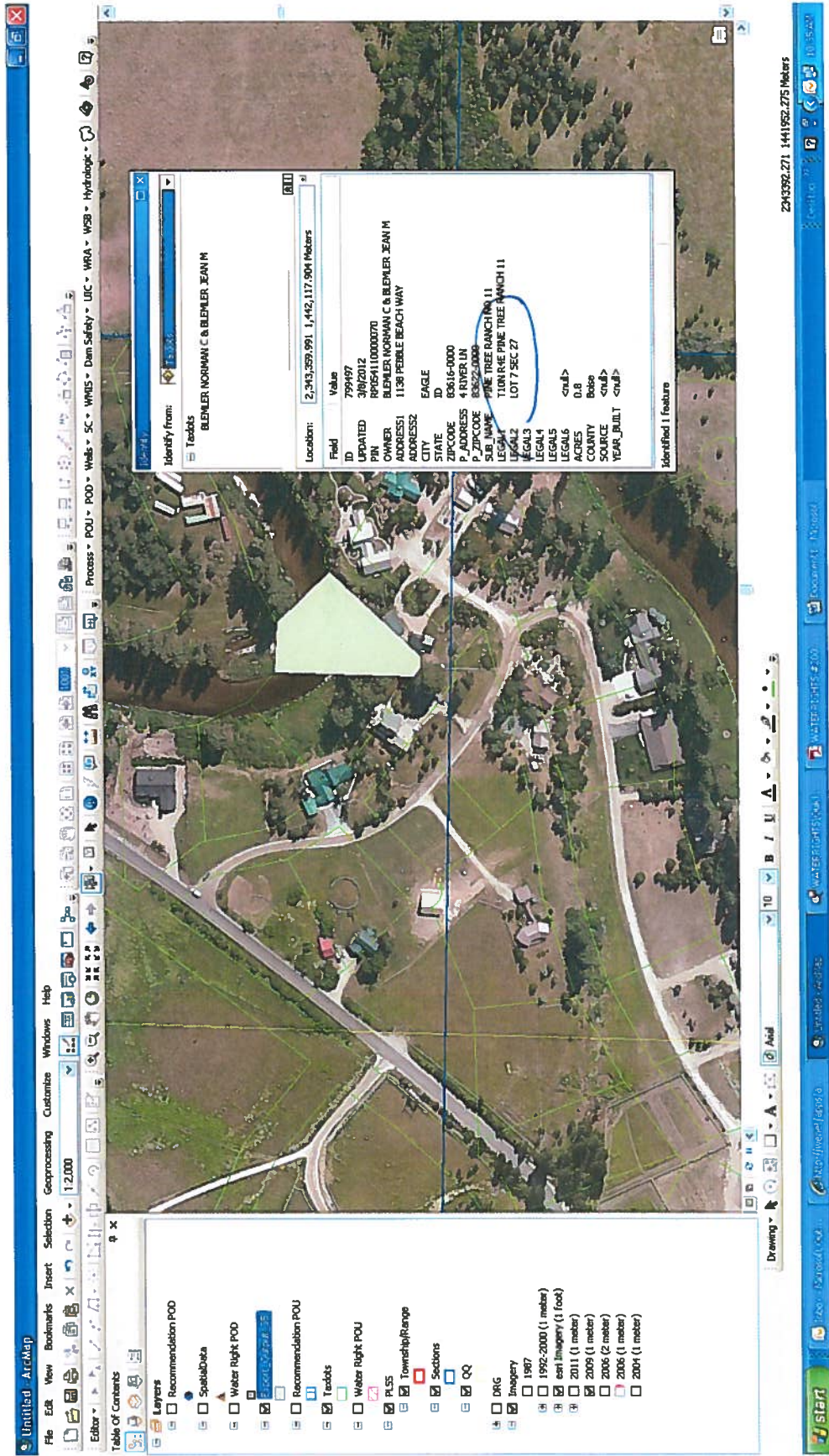


Place of Use: View northwesterly of the lawn and landscaping southerly of the right holder's home.

MEMORANDUM

Date: December 11, 2013
To: Water Right File 65-13806
From: kwalker *Kay*
Re: License Revision

After sending a licensing amendment to Mr. Blemler he called the office and was quite adamant that his permit did not need to be amended. I held on to this proposed license and did not send a follow up amendment letter. Today this file was on the top of my pile again and I decided to investigate. I looked at Boise County tax lot information and his tax lot description says his property is all within Sec. 27 (see copy in file). If you look at the tax lots in arc map they are all skewed and the only way to make them work is by moving the tax lot to the location where you believe it should be. I think the examiner did an excellent job in manipulating the tax lot in this exam but since we cannot document property location in Sec. 34 I recommend we license this right all located in Section 27 as permitted.



PINE TREE RANCH NO. 11

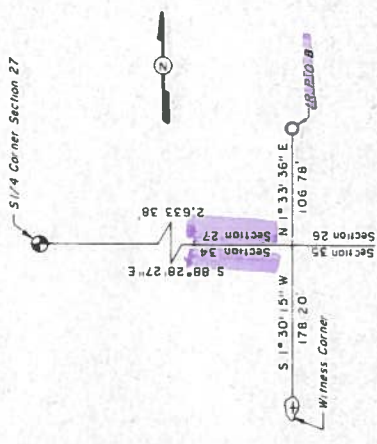
SITUATED IN THE SE 1/4 OF SECTION 27 AND THE NE 1/4 OF SECTION 34, T.10N., R.4E., B.M., BOISE COUNTY, IDAHO

ROYLANCE ENGINEERING — 1980



NOTES

- Boise County assumes no responsibility for maintenance or snow removal from roads as platted herein. Subject to Boise County Ordinance, dated Nov 27, 1978
- All Utility and Drainage Easement exists inside all lot lines along the subdivision boundary, except along road easements, and a 10' easement will be centered on all interior lot lines, except along road easements
- All road easements shown herein will be 66' wide and will not be for the use of the public unless otherwise designated and will provide for drainage and utilities
- All areas shown are approximate and for tax purposes only
- Lot shall not be reduced in size



LEGEND

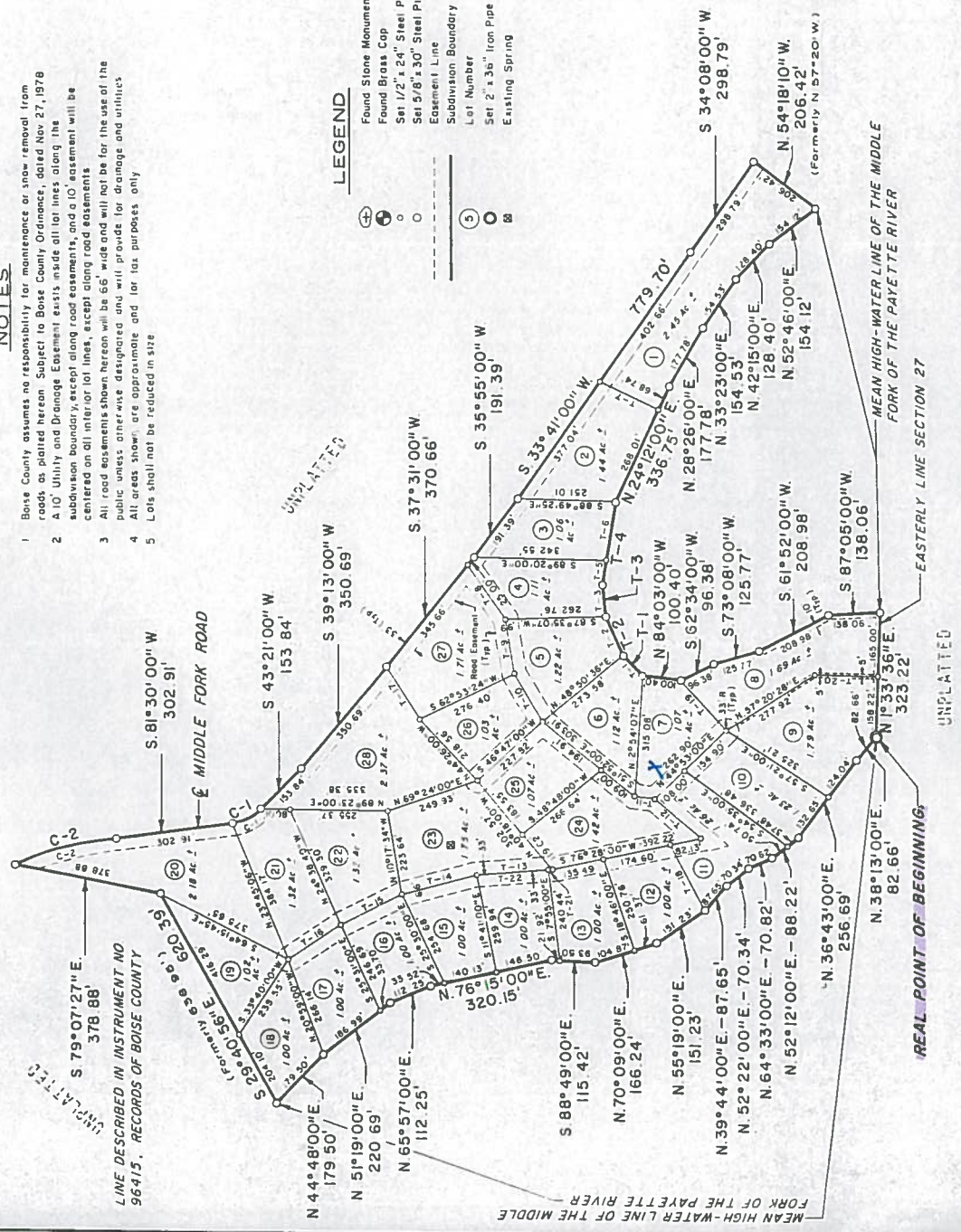
- Found Stone Monument
- Found Brass Cap
- Set 1/2" x 24" Steel Pin
- Set 5/8" x 30" Steel Pin
- Easement Line
- Subdivision Boundary
- Lot Number
- Set 2" x 36" Iron Pipe
- Existing Spring

DETAIL LAND CORNER TIES

NTS

TANGENT			TABLE		
NO	BEARING	L	NO	BEARING	L
T-1	N 42° 45' 00" W	72.22	T-12	S 30° 37' 00" E	137.20
T-2	N 23° 42' 00" W	108.11	T-13	S 34° 15' 00" W	207.51
T-3	N 74° 40' 00" E	219.18	T-14	S 62° 34' 00" W	178.02
T-4	N 74° 40' 00" E	219.18	T-15	S 35° 01' 00" W	162.81
T-5	N 74° 40' 00" E	219.18	T-16	S 35° 01' 00" W	162.81
T-6	N 74° 40' 00" E	219.18	T-17	S 35° 01' 00" W	162.81
T-7	N 63° 52' 00" W	188.95	T-18	S 28° 29' 00" E	195.00
T-8	S 34° 26' 00" E	122.44	T-19	N 39° 44' 12" W	173.79
T-9	S 34° 26' 00" E	122.44	T-20	N 39° 44' 12" W	173.79
T-10	S 30° 03' 00" E	145.64	T-21	S 84° 23' 00" W	12.90
T-11	S 81° 28' 00" E	51.01	T-22	S 84° 23' 00" W	12.90

CURVE			TABLE			
NO	CH BEARING	CH L	R	Δ	ARCL	TAN
C-1	S 62° 35' 30" W	81.70	125.00	38° 09' 00"	83.23	43.22
C-2	S 74° 15' 00" W	266.14	1054.43	14° 30' 00"	266.85	134.14





State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

November 1, 2013

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

NORMAN C BLEMLER
1138 PEBBLE BEACH WAY
EAGLE ID 83616

RE: Water Right Permit No. 65-13806

Dear Permit Holder:

The Department of Water Resources is reviewing the permit referenced above prior to issuing a water right license. By issuing a license, the Department confirms the extent of development that has been established in compliance with the terms of the permit. The examiner who verified your water use reported that certain elements of the permit have been developed differently than described on your permit. Changes that do not increase the authorized use of water under the permit can be requested and approved in accordance with Section 42-211, Idaho Code. Before a license can be issued, your permit must be amended to depict your water use as it was actually developed.

Based on the examiner's report, the following elements were developed differently than described on your permit:

✓ **Place of Use**

The enclosed Application for Amendment form depicts the elements of the water right as they will appear on the license when it is issued. Please review the amendment form carefully. If you concur with the information presented, please sign the form and return it with the \$100.00 filing fee within 14 days.

If you have any questions, please call me at (208)334-2190.

Sincerely,

KAY WALKER
Sr. Water Resource Agent

Enclosures: Amendment Application & Layout

*see memo
of 12/11/13
KW*



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June 6, 2013

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

Norman C. Blemler
1138 Pebble Beach Way
Eagle, ID 83616

RE: Scheduling Field Exam for Water Right Permit No. 65-13806

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **during the week of June 24, 2013**. An examination is needed to verify your water use in order to issue a water right license.

Please be advised that you will need to operate your system under normal operating conditions during the examination. The permit authorizes the diversion of 0.03 cfs of surface water from the Middle Fork of the Payette River for irrigation of 1.0 acre.

In order to conduct your exam as efficiently as possible, we ask that you call this office to schedule a day and time convenient for you. **Please call me at 208-334-2190 by June 21, 2013, to conduct the exam during the week of June 24, 2013.** If there is a problem with scheduling or conducting the examination at this time, please let me know so we can reschedule or make other arrangements.

I appreciate your attention to this matter and I look forward to hearing from you.

Sincerely,

Rick Collingwood, P.E.
Water Resource Agent, Sr.