

[illegible]

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
51N 04W 32	<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>	5.0

Total Acres: 5

Method of Determination:

3. _____ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- 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).
- X 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>
<u>D0041341</u>	<u>Goulds</u>	<u>5hp</u>	<u>—</u>	<u>Goulds</u>	<u>33GS50</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

D. FLOW MEASUREMENTS

1.

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

2. Measurements:

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS					
WATER RIGHT No.			95-9339		
	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
$Q = \frac{HP \times 8.8 \times \text{Eff}}{H}$	5	386.9047619	0.7	225	70
Q = 0.080 cfs 35.8 gpm					

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 4_{ac} \times 3 AFA = 12 AFA$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.12 \times 246 \times 1.9835 = 58.5 AFA$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 12 AFA$$

2. Volume Calculations for Other Uses:

12 AFA IRRIGATION
 0.6 AFA DOMESTIC
 0.2 AFA STOCKWATER

 12.8 AFA TOTAL

G. NARRATIVE/REMARKS/COMMENTS

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>
STOCKWATER	01/01 to 12/31	0.020 CFS	
DOMESTIC	01/01 to 12/31	0.040 CFS	
IRRIGATION	03/15 to 11/15	0.150 CFS	
<u>Totals:</u>		0.800 CFS	12.70 AF

2. Recommended Amendments

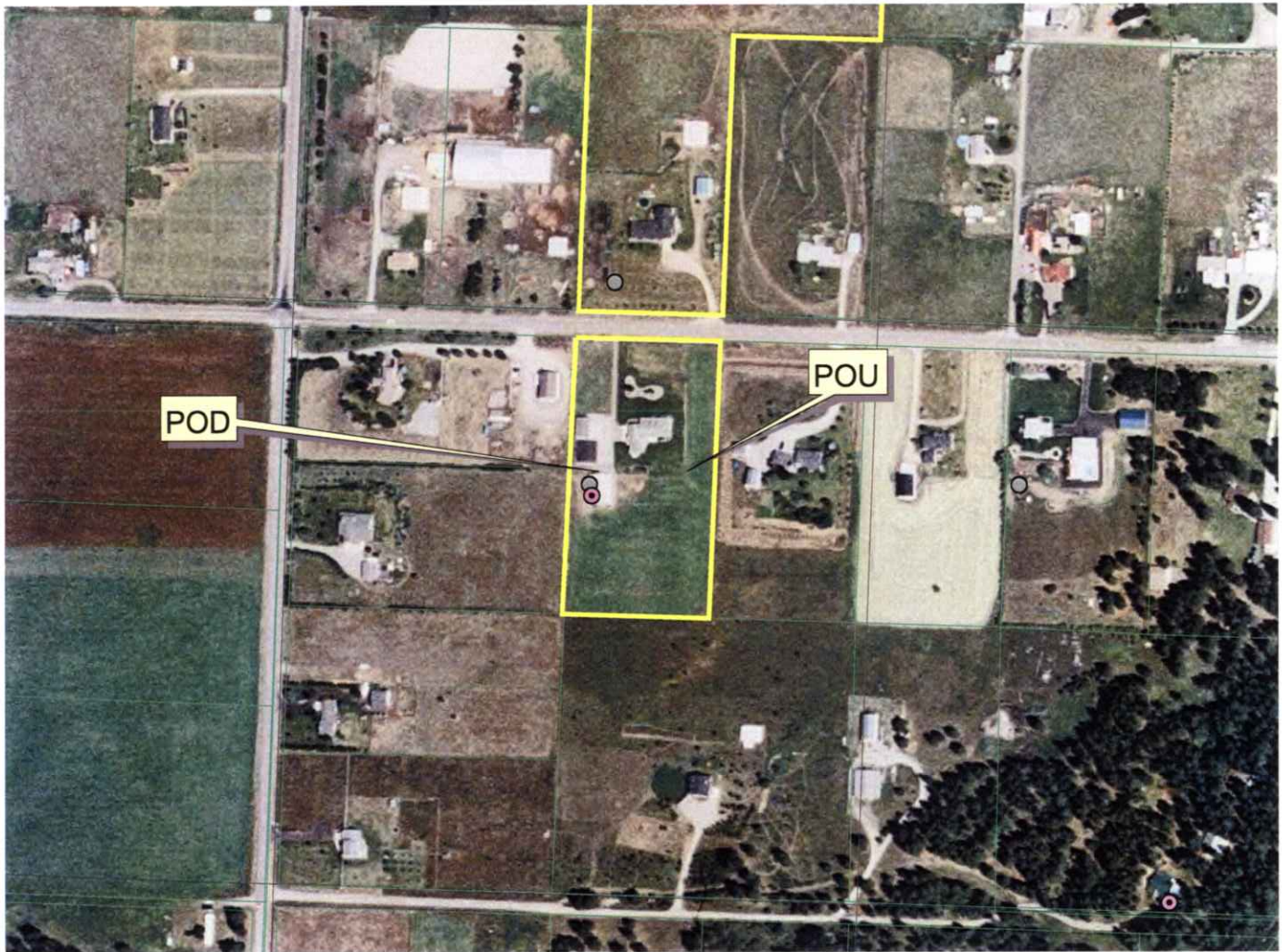
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Eric J. Quinn Date 9-7-2007
 Reviewer [Signature] Date 9/19/7

95-9339



0.1 0 0.1 0.2 Miles

-  Place of use.shp
-  Kootenai taxlots
-  GCDB51N04W GCDB
-  Claim POD
-  Claim POU
-  Right POD
-  Application POD
-  Administrative BasinsAdminbas.shp



SECREGATION REVISIONS

The revision dates below represent the file name dates for the posting of the revision. The revision dates are posted within the ARCADE REVISIONS box in the drawing file block.

04/21/97 - bc
 SINCER-32-1300 Potted and BROCKTON COUNTY ESTATES
 1ST ADD (98)
 02/06/01 - 3LW
 0-3500-32-000-1A redacted as per #1808 (01)
 01/06/02 - bc
 SINCER-32-010 2 4000 1st of 4100 (02)
 0-3500-32-010-1A out of 011-44 (02)

NW1/4 Sec.32 Twp. 51 N. R. 4 W.B.M.

51N04W-32

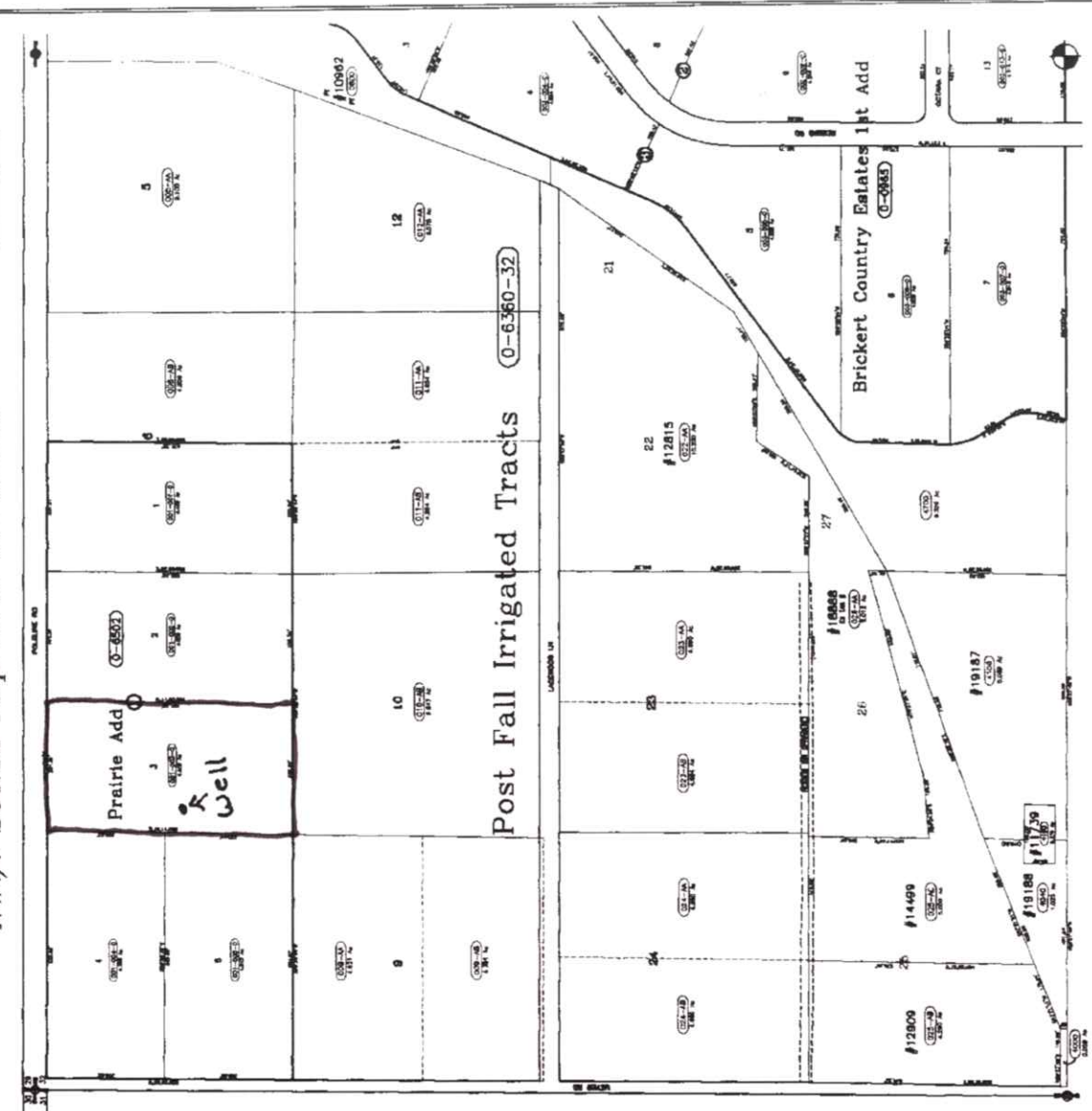
REVISION	DATE	BY	DESCRIPTION
1	04/21/97	bc	Initial Survey
2	02/06/01	3LW	Redacted as per #1808 (01)
3	01/06/02	bc	Redacted as per #1808 (02)

ARCHIVE REVISIONS

NOTE: This drawing is a reproduction of a drawing on file in the Surveyor's Office. It is not a survey. It is not to be used for any purpose other than for reference.

Records of Survey with:

51N04W-32



NW 1/4 Sec.32 Twp.51N. R.4W.B.M.

Firm Name **H2O Well Service, Inc.** Firm No. **448**
 Firm Official *[Signature]* Date **3-21-06**
 and
 Supervisor or Operator *[Signature]* Date **3/20/06**
Mike Halterman (Sign Once if Firm Official and Operator)



D0041341.JPG



HOME.JPG



IRR #2.JPG



IRR #4.JPG



IRR #5.JPG



IRR#1 .JPG



IRR#3.JPG



STOCK.JPG



STOCKWATER.JPG



WELL.JPG

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