

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9036

Exam Date: 8/9/2007

1. Current Owner: HAUSER LAKE HEIGHTS HOMEOWNERS ASSN
12317 NINE BARK RD
HAUSER LAKE ID 83854

2. Accompanied by: Bob Kush

Phone No: 208-683-0500

Address: PO BOX 468 Athol ID 83801

Relationship to Permit Holder: Integrity Water Co.

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 95-2189,95-8535,95-7463
2. Other water rights with the same point of diversion: None

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

GROUND WATER NE1/4SW1/4 Sec. 13, Twp 51N, Rge 06W, B.M. KOOTENAI County

GROUND WATER NE1/4SW1/4 Sec. 13, Twp 51N, Rge 06W, B.M. KOOTENAI County

GROUND WATER SE1/4SW1/4 Sec. 12, Twp 51N, Rge 06W, B.M. KOOTENAI County

Method of Determination: GPS and Map, Well # 1 N 47°45.928 W117°02.233

2.

PLACE OF USE: MUNICIPAL

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>	
51N 06W 13			X					X	X	X	X	X	X	X	X		
									L 4	L 5							

Method of Determination:

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</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>
95-89-N-75		5			
D10515		7.5			
D0025438		30			

*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

Well #1= 0.15cfs Well #2 = 0.18cfs Well #3 = 1.17 cfs (Total Flow Is 1.5cfs)

Measured Method:

PUMP EQUATIONS		WELL # 1 (95-89-N-75)			
WATER RIGHT No.		95-9036			
	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	222.7755102	0.75	84	60
Q =		0.148 cfs 66.6 gpm			

PUMP EQUATIONS		WELL # 2 (D10515)			
WATER RIGHT No.		95-9036			
	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
$Q = \frac{HP \times 8.8 \times \text{Eff}}{H}$	7.5	278.7755102	0.75	140	60
Q =		0.178 cfs 79.8 gpm			

PUMP EQUATIONS		WELL #3 (D0035438)			
WATER RIGHT No.		95-9036			
	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
$Q = \frac{HP \times 8.8 \times \text{Eff}}{H}$	30	158.7755102	0.7	20	60
Q =		1.166 cfs 523.2 gpm			

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses: **Volume of this water right was developed by Amendment of Permit 95-9036 March 22nd of 2006. See attached Amendment of Permit 95-9036 for all the data.**

G. NARRATIVE/REMARKS/COMMENTS: This Municipal Water Right has other Water Rights in the same place of use. HAUSER LAKE HEIGHTS HOMEOWNERS ASSN water supply has three points of diversions with no other systems connected to this supply. PWS # 1280084. See attached Amendment of Permit 95-9036 for all the data.

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>
MUNICIPAL	01/01 to 12/31	0.450 CFS	208.90 AF
<u>Totals:</u>		0.450 CFS	208.90 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

Date

Reviewer

Date

*Eric J. [Signature]**2-6-2008**[Signature]**2/7/8*

95-9036



DOO35438 WELL # 3



**HAUSER HEIGHTS
NORTHERN DEVELOPMENT, LLC. PRELIMINARY PLAT**
A PORTION OF THE SOUTH 1/2, SEC. 13, T.51N., R.6W., B.M.,
KOOTENAI COUNTY, IDAHO
OCTOBER 1999

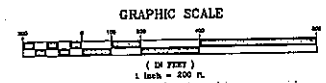
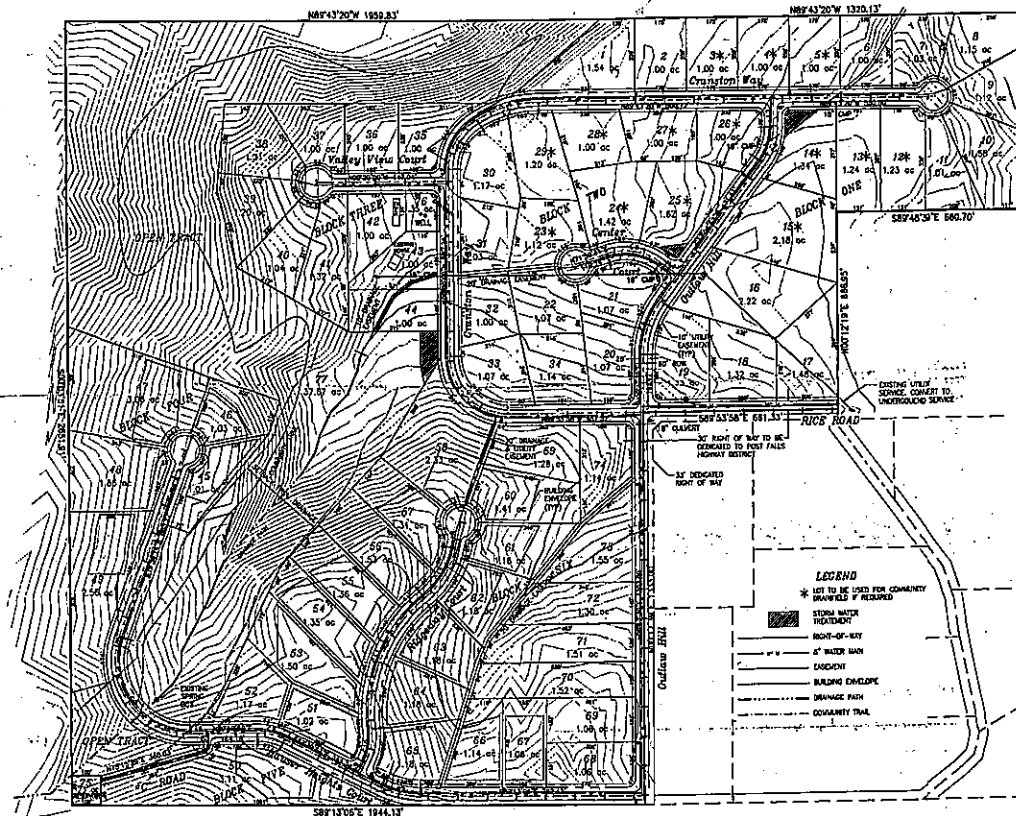
MICROFILMED
APR 11 2001

SITE DATA:

- 149.58 ac. TOTAL PROJECT AREA
- 74 RESIDENTIAL LOTS
- 175'x250' TYPICAL LOT DIMENSIONS
- 98.75 ac. TOTAL RESIDENTIAL AREA
- 3.11 ac. LARGEST RESIDENTIAL LOT AREA
- 1.00 ac. SMALLEST RESIDENTIAL LOT AREA
- 1.31 ac. AVERAGE RESIDENTIAL LOT AREA
- 0.58 ac. WATER LOTS
- 37.67 ac. OPEN AREA
- 14.58 ac. ROAD DEDICATION TO POST
FALLS HIGHWAY DISTRICT
- 0.49 DWELLING UNITS / ACRE
- AGRICULTURAL SUBURBAN ZONE
- RESIDENTIAL SETBACK REQUIREMENTS
- 25' FRONT YARD
- 10' SIDE YARD
- 15' FLANKING STREET
- 15' REAR YARD

WATER TO BE PROVIDED BY
COMMUNITY SYSTEM

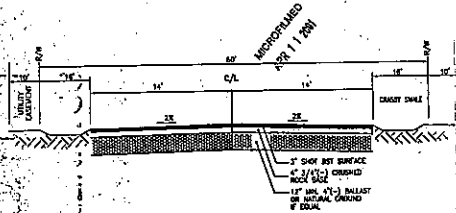
SEWER TO BE PROVIDED BY
COMBINATION OF COMMUNITY
AND INDIVIDUAL SYSTEMS



LINE TABLE		
LINE	LENGTH	BEARING
1	10.25	N028030W
2	10.25	S07110E
3	10.25	S71032E
4	10.25	S61032E
5	10.25	S61032E
6	10.25	S61032E
7	10.25	S61032E
8	10.25	S61032E
9	10.25	S61032E
10	10.25	S61032E

CURVE TABLE					
CURVE	LENGTH	RADIUS	CHORD	TANGENT	BEARING
C1	11.87	200.00	118.70	118.70	N028030W
C2	11.87	200.00	118.70	118.70	S07110E
C3	11.87	200.00	118.70	118.70	S71032E
C4	11.87	200.00	118.70	118.70	S61032E
C5	11.87	200.00	118.70	118.70	S61032E
C6	11.87	200.00	118.70	118.70	S61032E
C7	11.87	200.00	118.70	118.70	S61032E
C8	11.87	200.00	118.70	118.70	S61032E
C9	11.87	200.00	118.70	118.70	S61032E
C10	11.87	200.00	118.70	118.70	S61032E

- LEGEND**
- * NOT TO BE USED FOR COMMUNITY DRAINAGE IF REQUIRED
 - STORM WATER DRAINAGE
 - RIGHT-OF-WAY
 - 6" WATER MAIN
 - EASEMENT
 - BUILDING ENVELOPE
 - DRAINAGE PATH
 - COMMUNITY TRAIL



TYPICAL STREET SECTION

RECEIVED
NOV 02 1999
IDWR/North

PRELIMINARY
NOV 1 1999