

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 25-14162

Exam Date: 6/24/2015

1. Current Owner: RIVERS EDGE DEVELOPMENT INC
445 N 4185 E
RIGBY ID 83442
(208) 313 2641

2. Accompanied by: Kendall Shippen

Phone No: (208) 313-2641

Address: 445 N 4185 E, Rigby ID 83442

Relationship to Permit Holder: Owner

3. SOURCETRIBUTARY

GROUND WATER

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:

GROUND WATER

NW1/4SE1/4

Sec. 8, Twp 04N, Rge 39E, B.M.

JEFFERSON County

Method of Determination: GPS and aerial photography

2.

PLACE OF USE: DOMESTIC

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	39E	8			X	X				X					X	X			

Method of Determination: Aerial photography and site visit

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

D0037330

D. FLOW MEASUREMENTS

1.

Measurement

Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Flow Meter	Ultra-Sonic	Fuji				

2. Measurements:

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: Instantaneous rate of diversion observed during field exam was 257.0 gallons per minute or 0.57 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

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

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

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

2. Volume Calculations for Other Uses:

Domestic in-house use:

69 homes X 0.6 acre-feet = 41.4 acre-feet.

G. NARRATIVE/REMARKS/COMMENTS

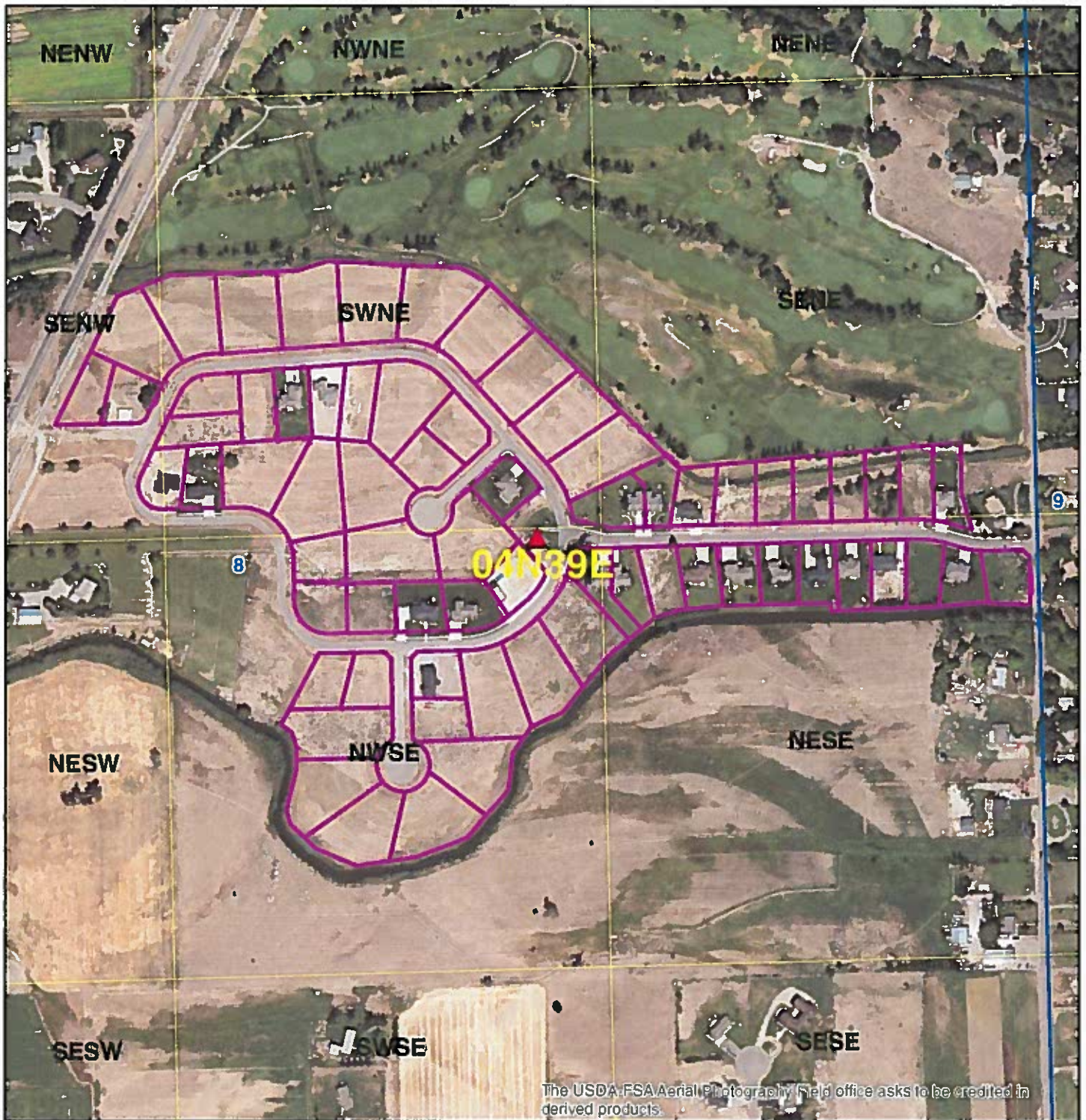
Water delivery system consists of one ground water well to 69 lots. There are several one acre lots within the subdivision that have two water hookups for possible townhomes that may be constructed on these lots. The majority of these one acre lots have been sold and the developer believes there will only be one single family home per lot. This right will be licensed for 69 homes. Water system also includes an installed flow meter. Domestic use is for in-house use only. The developer (Kendall Shippen) installed a surface water irrigation system for irrigating lawns inside the subdivision.

Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS****1. Recommended Amounts**

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
DOMESTIC	01/01 to 12/31	0.500 CFS	41.40 AF
Totals:		0.500 CFS	41.40 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 Blake Jordan Date 7/7/2015Reviewer James Cefalo Date 7/21/2015

25-14162



▲ Point of Diversion

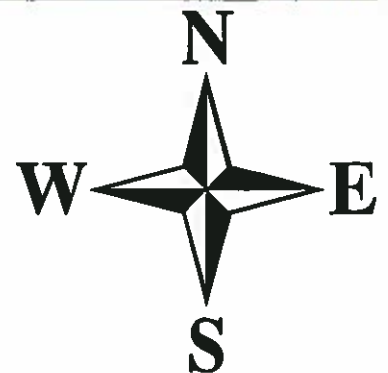
Place_of_Use

Township/Range

Sections

QQ

0 250 500 1,000 Feet
1 inch = 433 feet



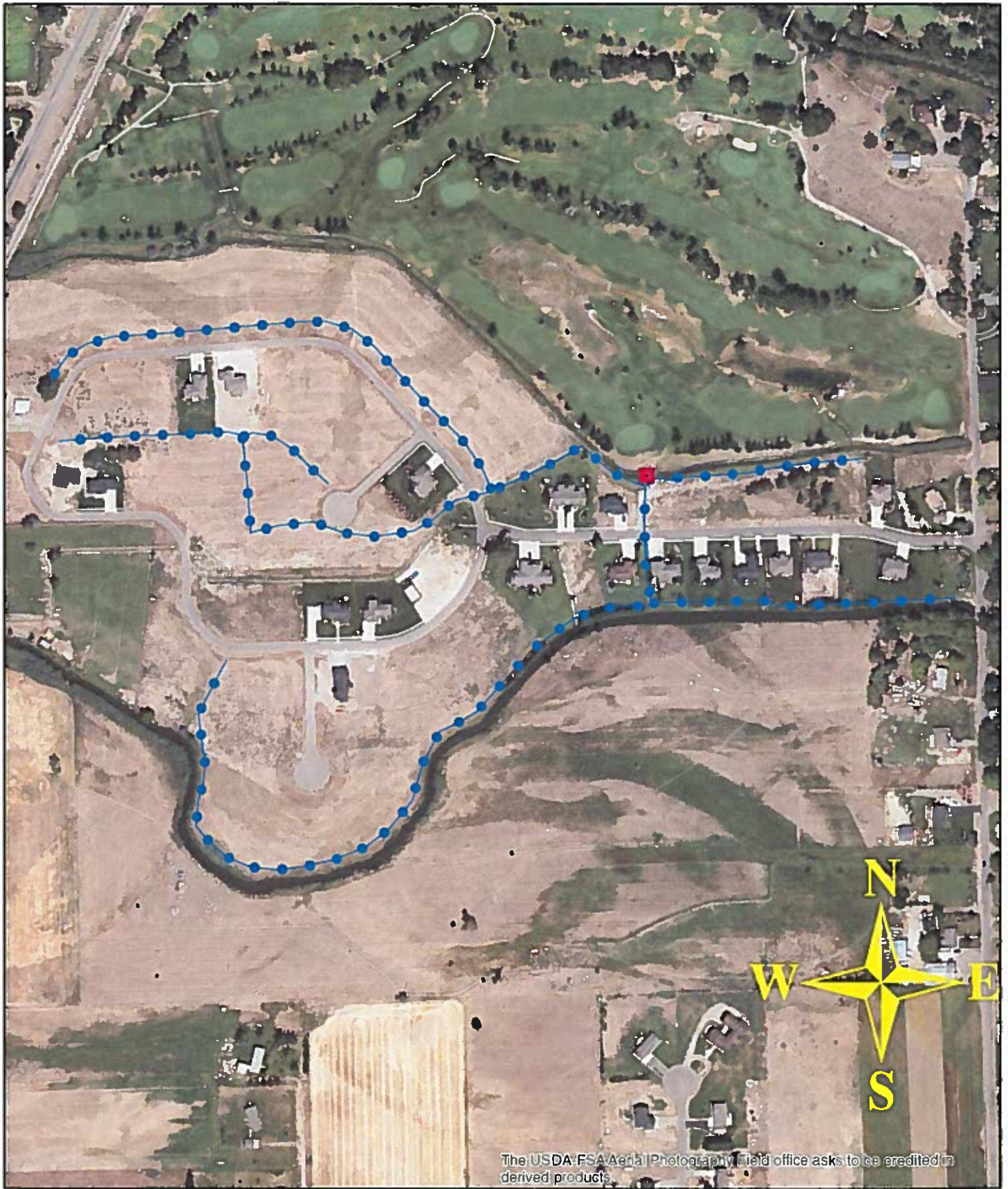


Well

Pump House



Surface Water Irrigation System



The USDA-FSA Aerial Photography Field office asks to be credited in derived products

■ Surface Water Pump

●●● Sprinkler system pipeline

0 230 460 920 Feet

1 inch = 383 feet