

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 25-14170

1. Owner Sunroc Development, LLC Phone No. 542-5492
 Current address P.O. Box 1327, Idaho Falls, ID 83403-1327
2. Examiner's name James Bitzenburg EXAM DATE 7-25-11
3. Accompanied by Evan Goodwin Email _____
 Address Same as above
 Relationship to permit holder Owner Phone No. 542-5492
4. Source Groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use Canal Water - Idaho Canal Co.
2. Other water rights with the same source and point of diversion _____

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
		SE	SE	NE	3	1N	37E	Bonneville	Permit Report/GPS

2. Place(s) of Use:

Method of determination

map/aerial photos

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
1N	37E	3				X													

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" = _____

- ☐ 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

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Fire Supp. Well	9TLC-100	100		460v.-3phase	1500 GPM @ 175 TDP
Culinary	55GS50	5		230v.-3phase	

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: Using theoretical to determine pumping capacity.

E. NARRATIVE/REMARKS/COMMENTS

One lot has been developed and it houses the Sunroc office. Other lots are undeveloped, but water supply system has been stubbed out to all lots. Fire hydrants are in place. The well contains two pumps; the larger pump is for fire suppression only, and the smaller pump supplies water for the development. Both systems have flowmeters in place.

The Sunroc offices have five water fixtures. Since the other lots are yet to be developed, it will be assumed that each building will have at least five fixtures.

GPS Location of POD: Northing - 1362524
Easting - 2654972

IDWR Site Tag # A0016388 located on well casing inside well house.

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

Flow measuring devices are in place.

Flowmeter on fire pump: Meinicke WP-Dynamic 150

Flowmeter on domestic: Blue/white Industries RT-200-MIC-PH2

F. FLOW CALCULATIONS☐ Additional computation sheets attached

Measured Method:

Theoretical - $Q = \frac{8.8 \times 0.70 \times 5}{116 \text{ ft.} + 2.31 \times 40 (\text{PSI})} = 0.15 \text{ cfs}$

40 psi is assumption for diversion system

$0.15 > 0.05 \text{ cfs}$
 permit authorizes 0.05 cfs

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

5 fixtures / Bldg $\times$ 1.1 gpm / fixture $\times$ 60 minutes $\times$ 10 hours / week $\times$ 52 weeks (assume) per year $\times$ 12 lots = 2,059,200 gallons

$$2,059,200 / 325,850 \text{ gal./AF} = 6.3 \text{ AF}$$

H. RECOMMENDATIONS

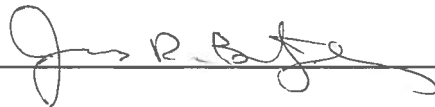
1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
From	To			
Domestic	01/01	12/31	0.05	6.3
Totals:			0.05	

2. Recommended Amendments

☐ Change P.D. as reflected on page 1☐ Add P.D. as reflected on page 1☒ None☐ Change P.U. as reflected on page 1☐ Add P.U. as reflected on page 1☐ Other**I. AUTHENTICATION**

Field Examiner's Signature



Date 7-26-11

SEAL

Reviewer _____ Date _____

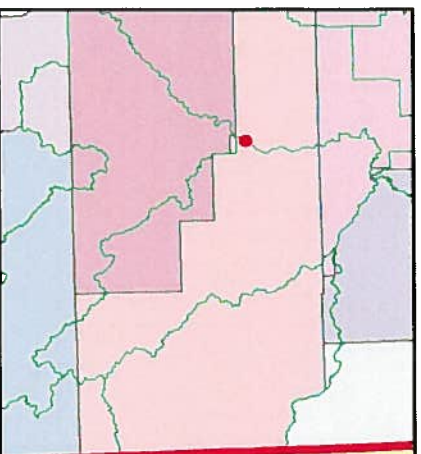


Idaho Department of Water Resources

Water Right
25-14170
(DOMESTIC)

Legend

- Point of Diversion
- Place of Use
- State Outline
- Townships
- PLS Sections
- Quarter Quarters
- Taxlots



Bonneville County
IDWR Basin 25

Prepared by Jordan, Blake
On August 26, 2011
2009 Aerial Photography



0 0.05 0.1 0.2 Miles







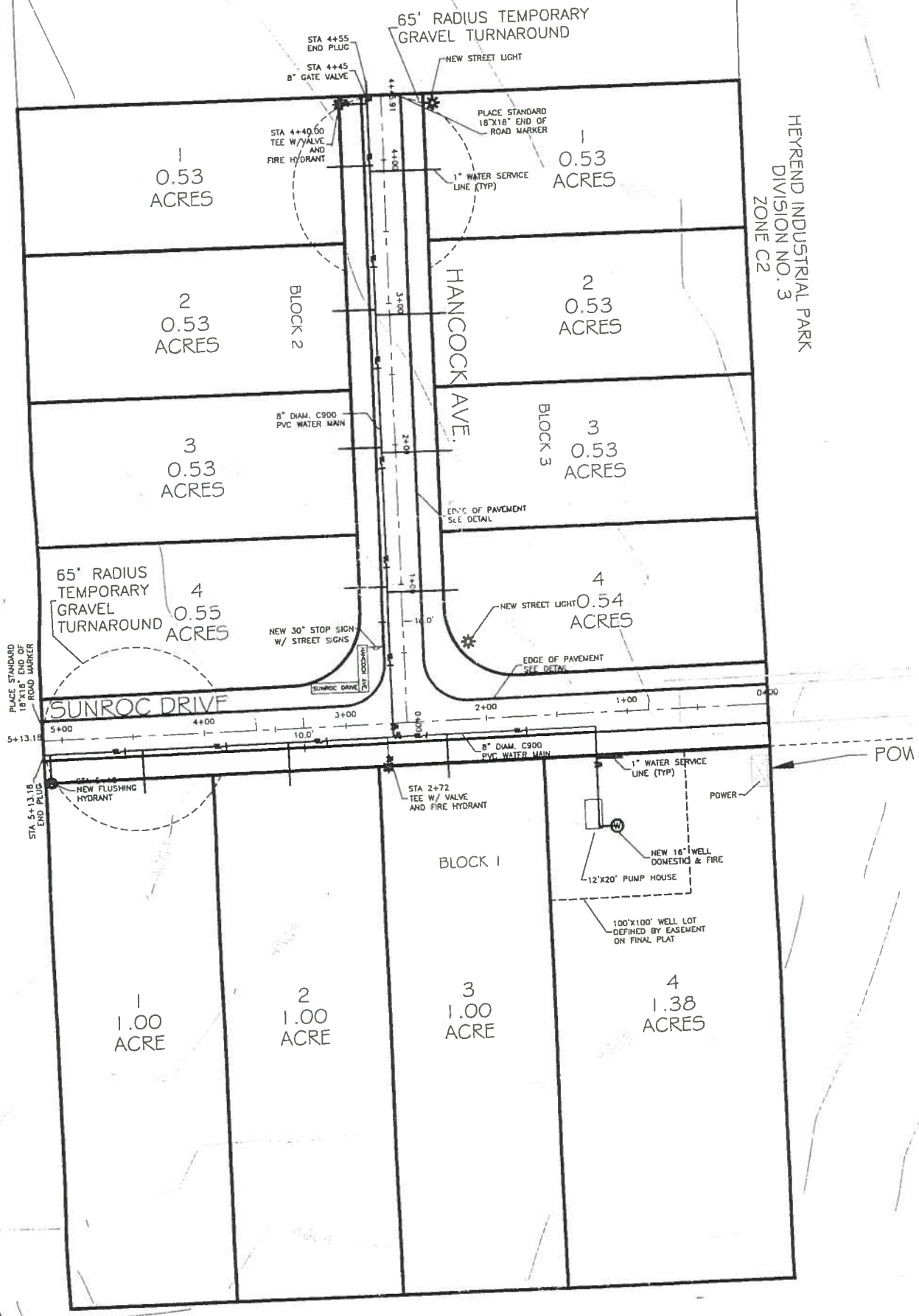
SUNROC PARK DIVISION NO. 1 SECTION 3, TOWNSHIP 1 NORTH, RANGE 37 EAST, B.M. BONNEVILLE COUNTY, IDAHO

HEYREND INDUSTRIAL PARK
DIVISION NO. 3
ZONE C2

10 more
acres
to be developed
UNPLATTED

UNPLATTED

SCALE: 1" = 100'



DATE: July 20, 2007 DRAWN BY: JRL CHECKED BY: JRL APPROVED BY: JRL	2002.041	Evan Goodwin Sunroc Park Bonneville County Idaho	Aspen Engineering, Inc. 10265 N. Dorian Avenue Idaho Falls, Idaho 83401 Phone (208) 542-1911	
	Overall Layout	1.0 or 7	10265 N. Dorian Avenue Idaho Falls, Idaho 83401 Phone (208) 542-1911	