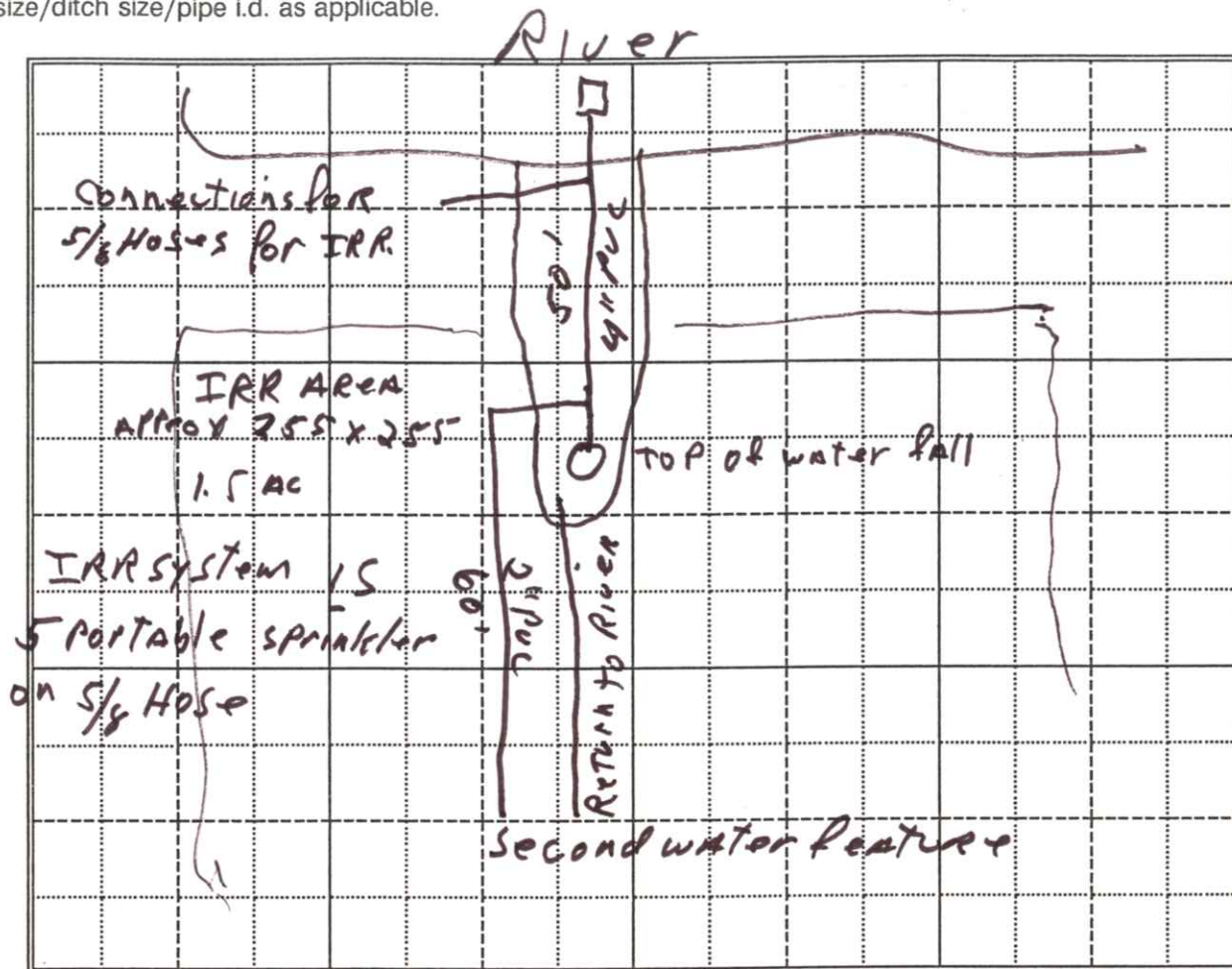


[illegible]

3. Delivery System Diagram: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



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
	Franklin	5	Not Available	Sub	4"

*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: _____

E. NARRATIVE/REMARKS/COMMENTS

4" line from pump to top of waterfall
water runs from top of waterfall over the rocks
and back to river.

Second feature is a water wheel in front of
building. Water turns the wheel and is captured
in pond below wheel and then returned to River
For a measurement on water feature Mrs. Harvey
had his workman attach a 4" line at top of
waterfall and run it over to where we could
tune it into a 50 gallon drum.

Have conditions of permit approval been met? ☒ yes ☐ no

Additional Computation Sheets Attached

Measured Method:

IRRIGATION SYSTEMS

Running at 39rpm ea. $\frac{159\text{rpm} \times .133651}{60} = .03$

50 gal drum 50 gal in 15 sec = 200 gpm

$$\frac{200 \times 1.133681}{60} = 4.45 = 4.5 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I,R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.5 \times 3 = 4.5$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 1.03 \times 213 \times 1.9835 = 42.6$$

$V = \text{Smaller of } V_{L.R.} \text{ and } V_{D.R.} = 40.5$

2. Volume Calculations for Other Uses: *inverted volume*

$$\text{div. rate. } 45^\circ = 200 \text{ gpm}$$

$$200 \text{ gpm} \times 720 \text{ m/day} = 144,000 \text{ g/d.}$$

144,000 gpd x 213 days = 30,672,000
 H. RECOMMENDATIONS $\frac{30,672,000}{325,850} = 94.1 \text{ AFM}$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Anesthetic	01-01	12-31	.45	94.1
Irrigation	04-01	16-31	1.03	4.5
		Totals:	.45	98.6

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 Wayne Baldwin Date 9-27-06

Reviewer [Signature] Date 9/19/17

SEAL

PD



winter fall



Second
Penture



96-9073

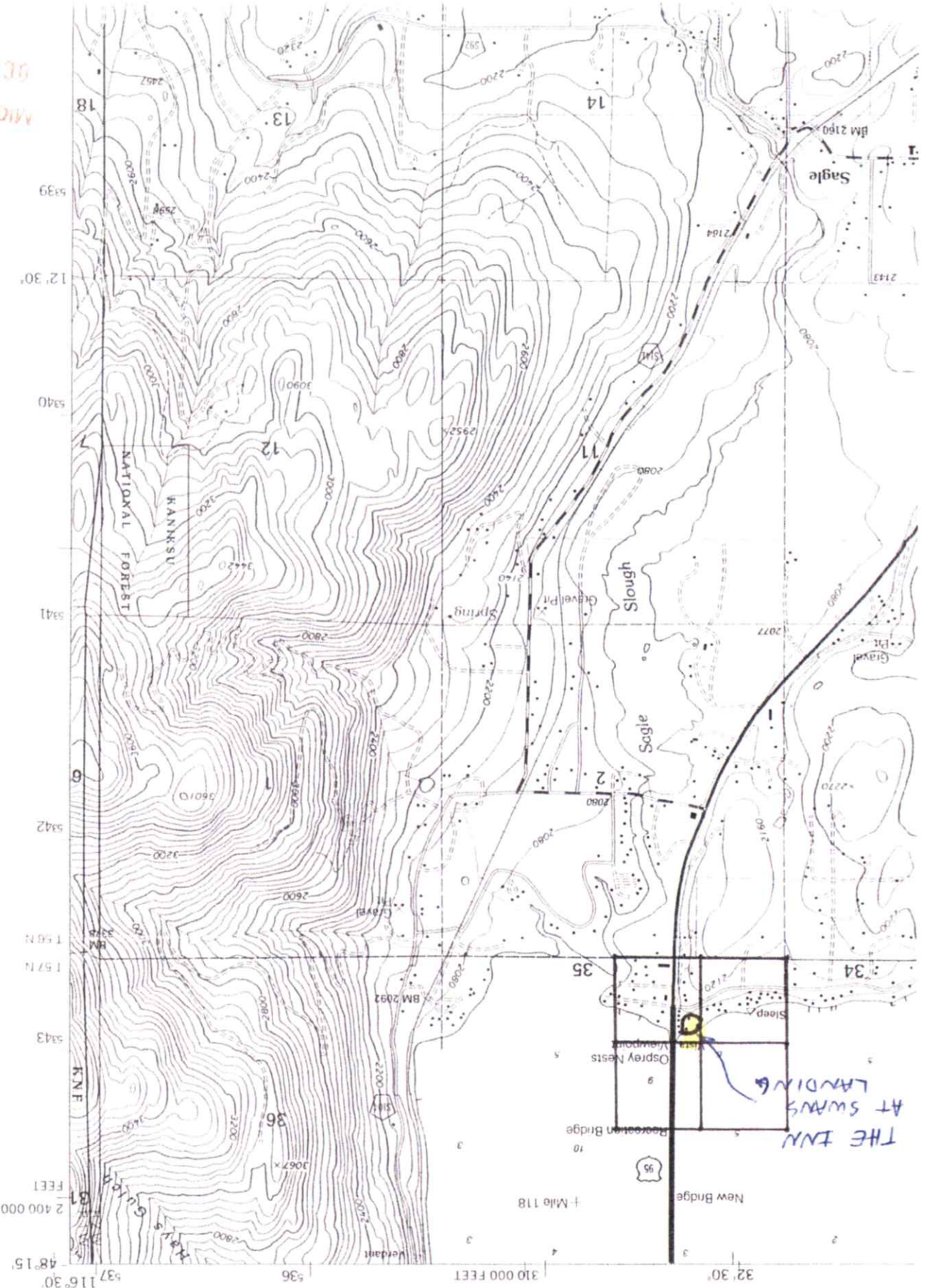


Connects for
5/8 hoses

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7.5-MINUTE SERIES (TOPOGRAPHIC)



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