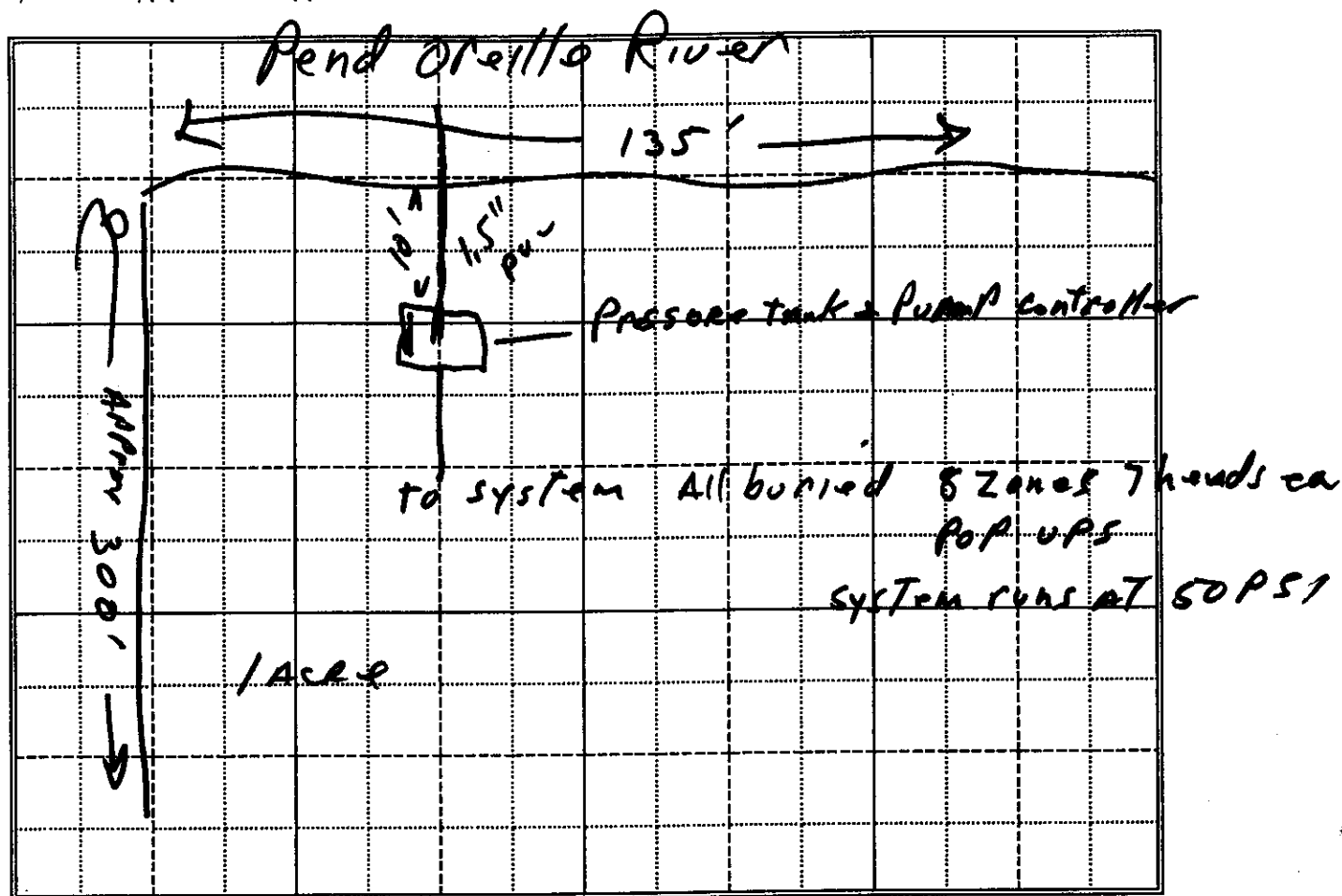


3. Delivery System Diagram: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



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	1	2821084915	Sub	1 1/2

*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: _____

MEMORANDUM

Date: November 29, 2006
To: Water Right File 96-9194
From: kfranklin
Re: Field Report Narrative

Field exam flow recommendation was adjusted to 0.05 cfs based upon the following:

- 1.) Sprinkler nozzle size assumed to be 1/8 inches in diameter with a pump pressure of 50 psi for the 7 stations equals 23.52 gpm which is equivalent to 0.05 cfs.
- 2.) Theoretical flow calculations utilizing a head of 10 feet instead of 40 feet, as the field exam stated, with a pump efficiency of 70% is equivalent to 0.05 cfs.

96-9194



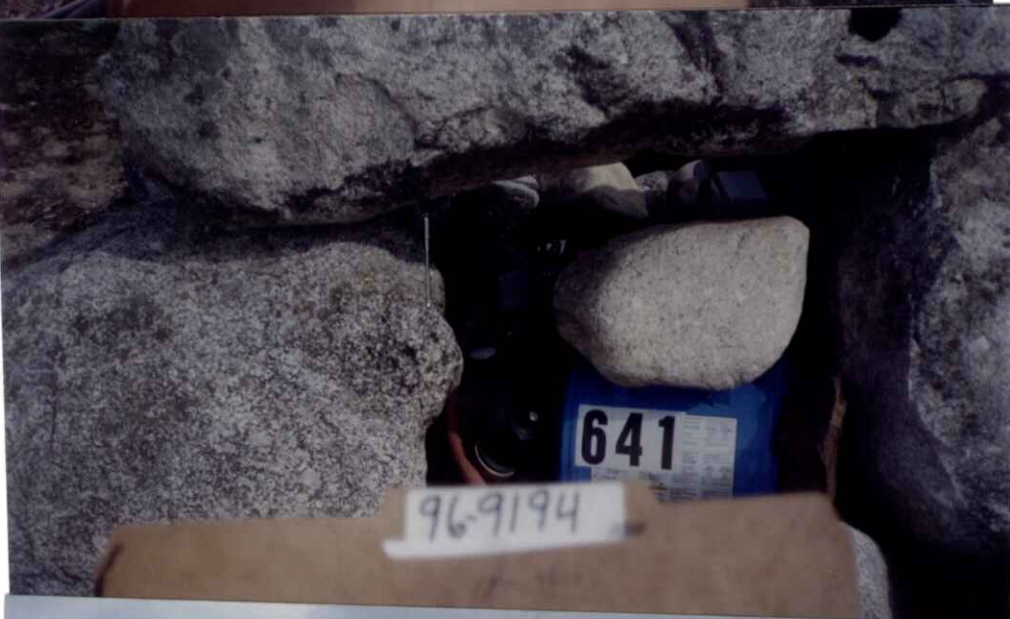
-  Bonner taxlots
-  GCDB56N04W GCDB
-  GCDB56N03W GCDB
-  Foster.shp
-  Pou.shp
-  Pod.shp
-  Administrative BasinsAdminbas.shp



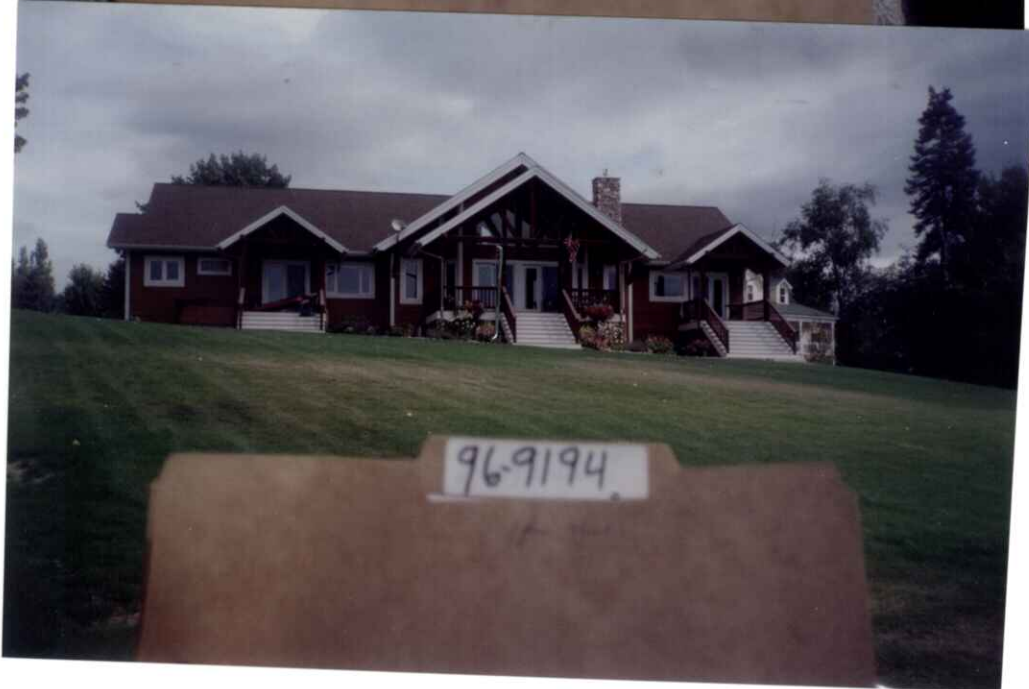
PD



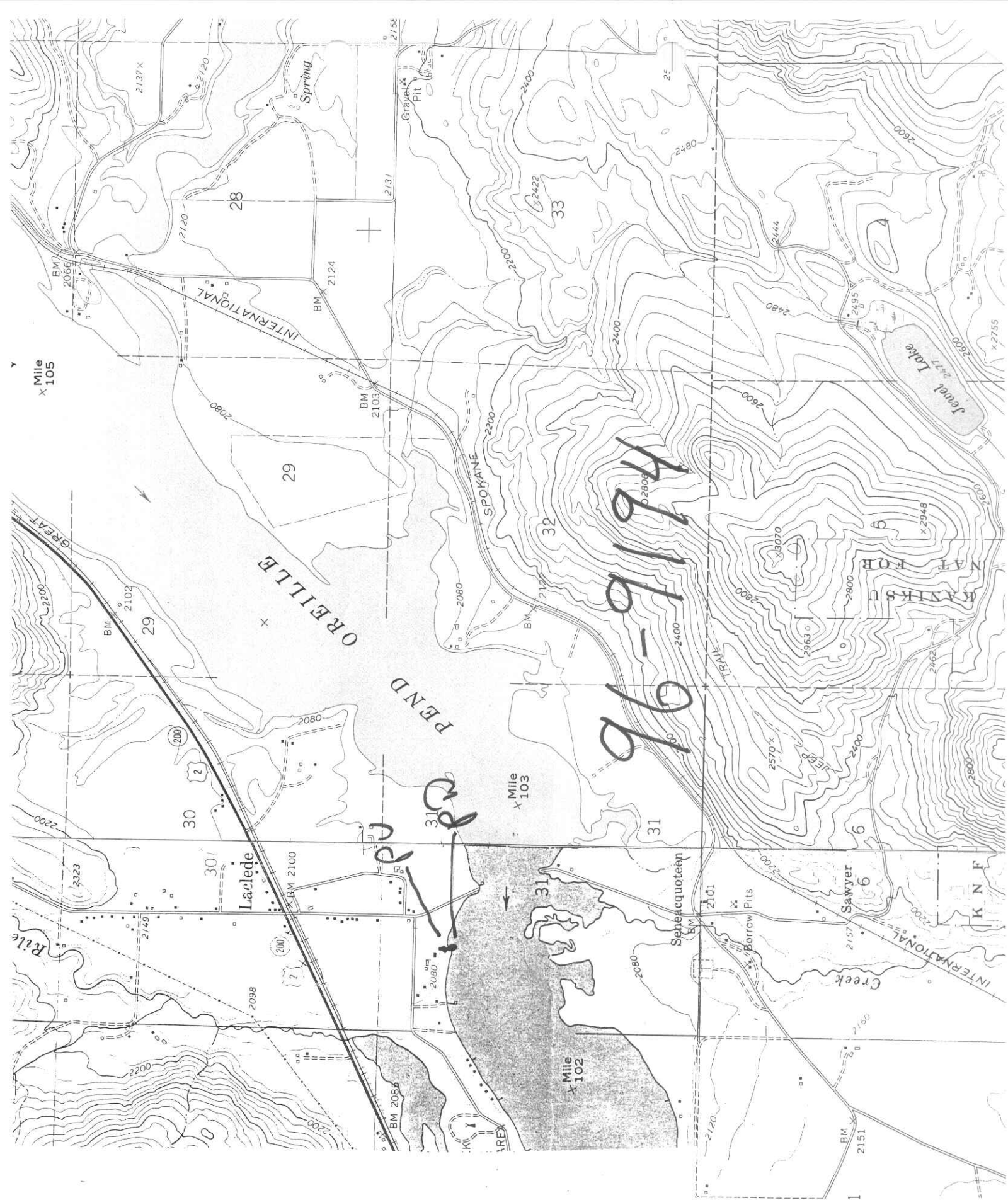
Pressure Tank
+
Pump Control

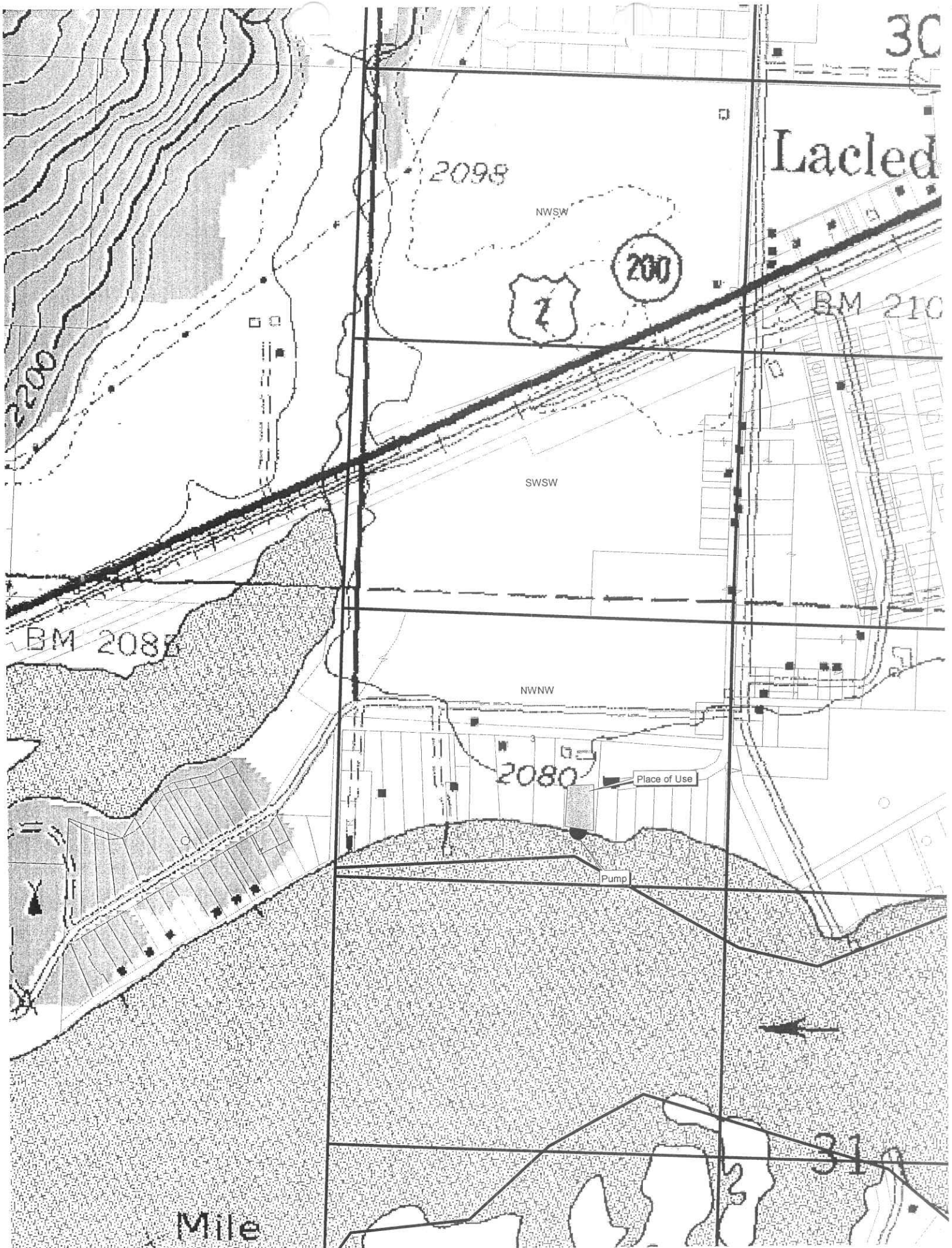


PV



96-9194 Smith





30

Lacled

2098

NWSW

200



BM 210

SWSW

BM 2085

NWNW

2080

Place of Use

Pump



310

Mile

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Have conditions of permit approval been met? ✓ yes no

F. FLOW CALCULATIONS

Measured Method:

Additional Computation Sheets Attached

Theoretical

$$\frac{8.8 \cdot (1)(.07)}{40 + (2.31 \times 50)} = \frac{6.16}{155.5} = .039 = .04 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1 \times 3 = 3$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .04 \times 213 \times 1.9835 = 16.8$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<i>Irrigation</i>	<i>04-01</i>	<i>10-31</i>	<i>.04</i>	<i>3</i>
Totals:			<i>.04</i>	<i>3</i>

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. AUTHENTICATIONField Examiner's Name *Wayne Baldoni* Date *9-27-06*Reviewer *Hester K. Franklin* Date *11/29/06*

SEAL