

[illegible]

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

See attachment

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
Lower well	Franklin	5		Sub	2"
Upper Well	Franklin	7.5		Sub	2 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: _____

E. NARRATIVE/REMARKS/COMMENTS

Lower well has a measurement device on it. Was not working at time of exam

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

F. FLOW CALCULATIONS

Measured Method:

Additional Computation Sheets Attached

Theoretical see attachments
1076 cfs
+ 1097 cfs

2173 = 18 cfs

G. 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:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<i>Municipal</i>	<i>01-01</i>	<i>12-31</i>	<i>18</i>	
Totals:			<i>18</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 Baldwin* Date *9-25-09*Reviewer *Eric [Signature]* Date *10-7-09*

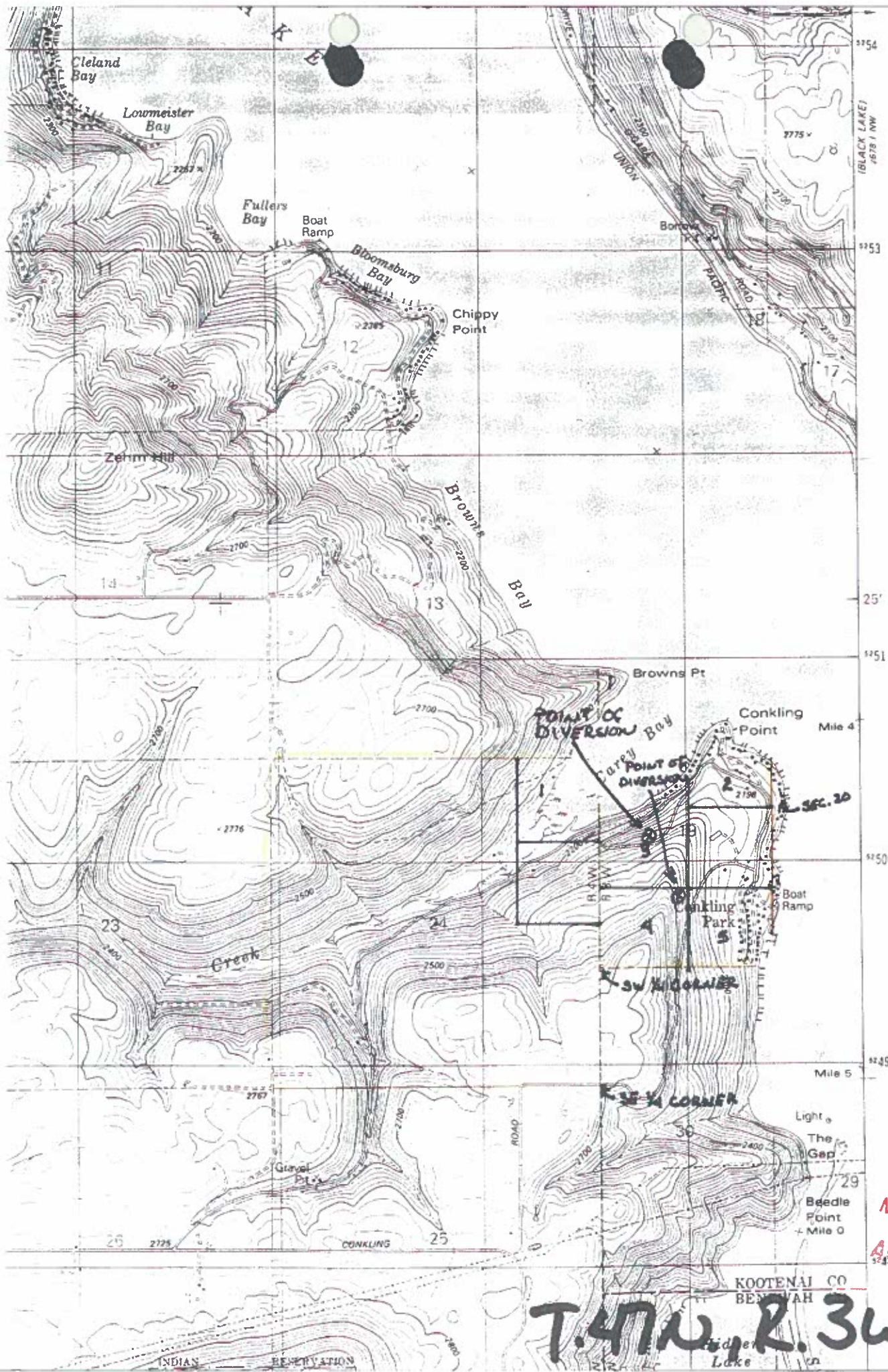
SEAL

95-8996



Legend





MICROFILMED
APR 15 1999

T.47N., R.3W.

PUMP EQUATIONS					
WATER RIGHT No.			95-8986		
	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q = $HP \cdot 8.8 \cdot \text{Eff} / H$	7.5	478.0816327	0.7	374	45
Q = 0.097 cfs 43.4 gpm					

PUMP EQUATIONS**WATER RIGHT No.****95-8986**

	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q = $HP \cdot 8.8 \cdot \text{Eff} / H$	5	404.0816327	0.7	300	45
Q = 0.076 cfs 34.3 gpm					



pod lower.JPG



pod upper.JPG



pou1.JPG



pou2.JPG



pou.JPG



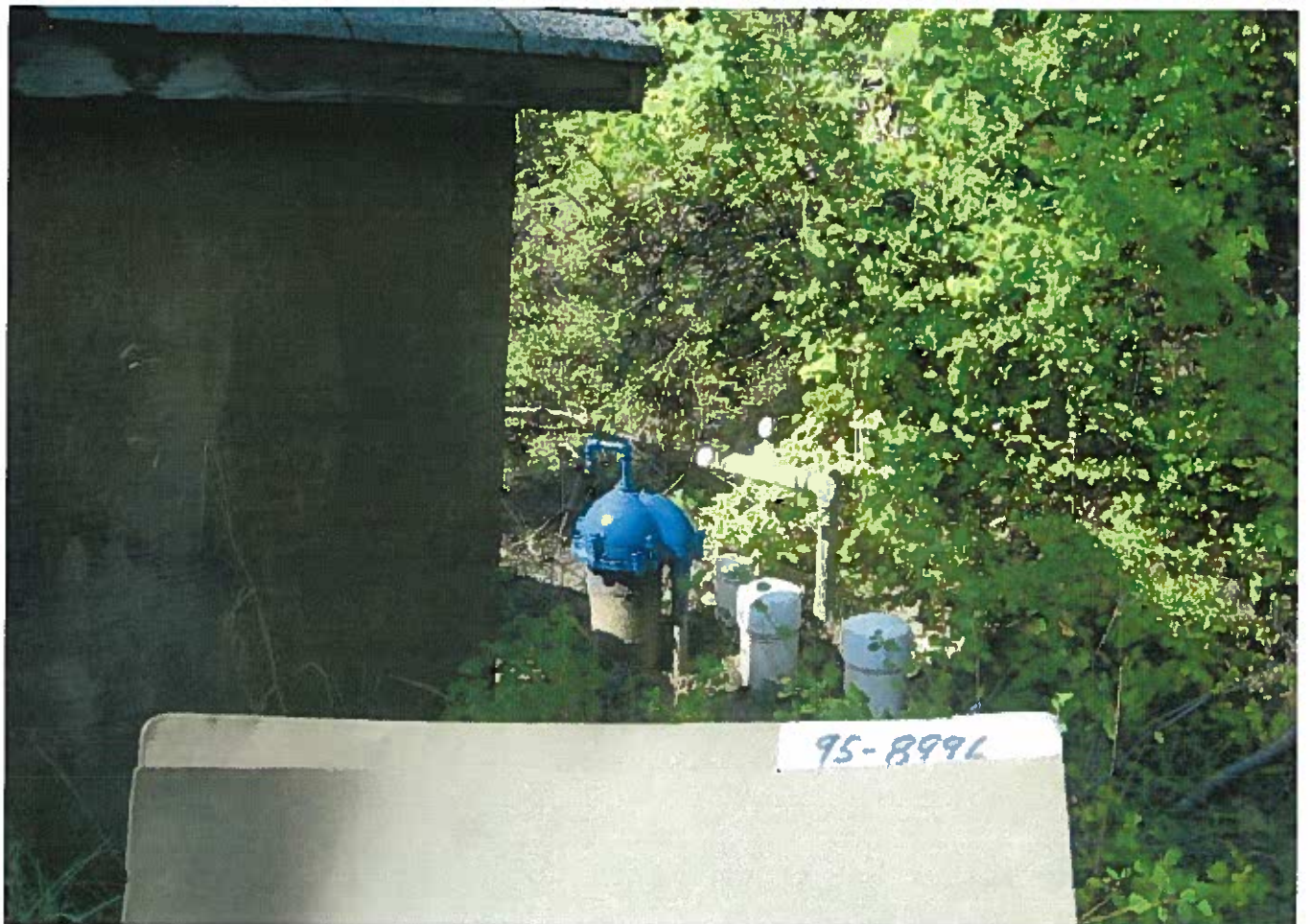
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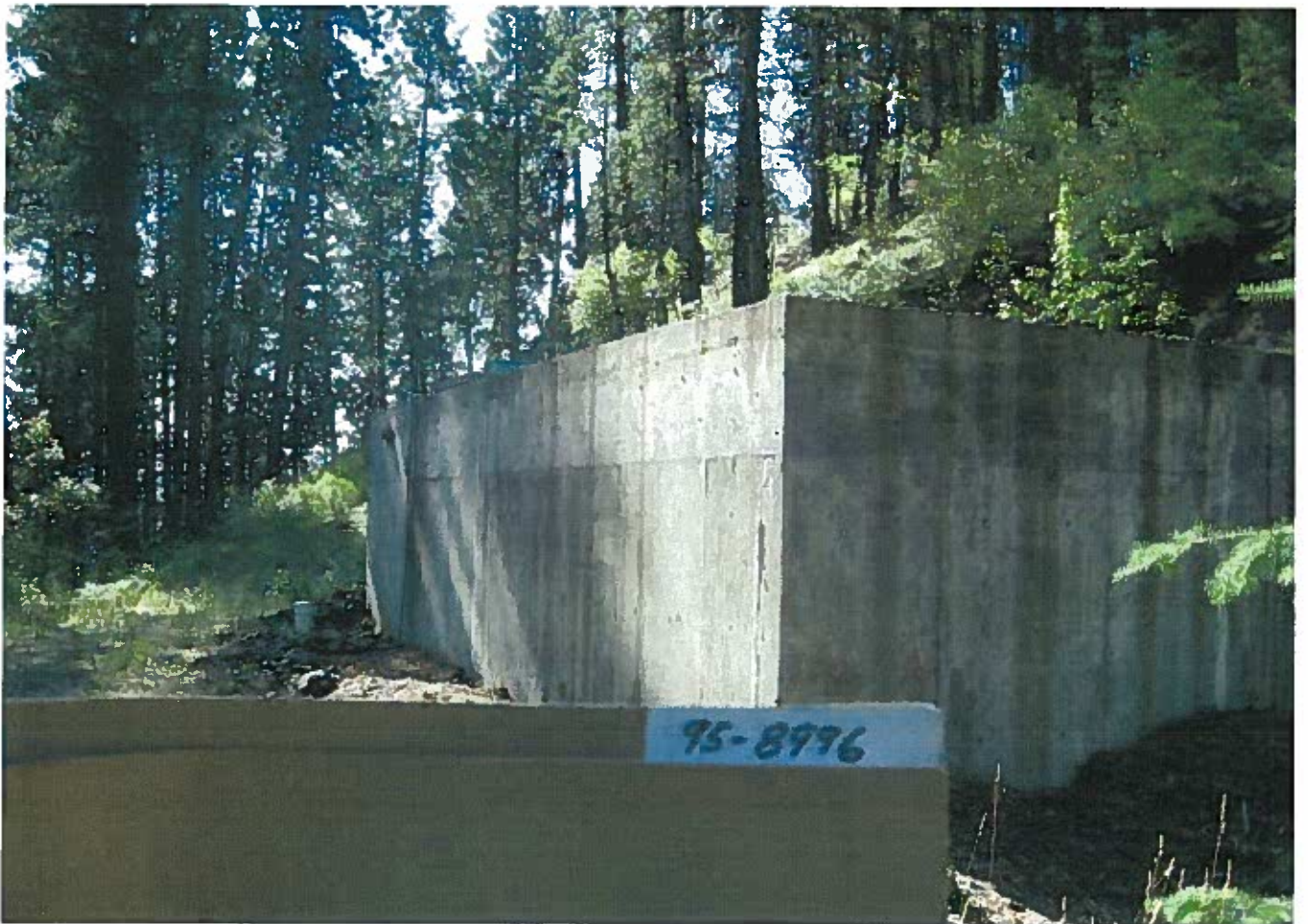
upper pump house.JPG



vault lower.JPG









PROJECT OVERVIEW

RECEIVED
AUG 27 2009
IDWR/North

REVISIONS	DATE	DESCRIPTION	BY

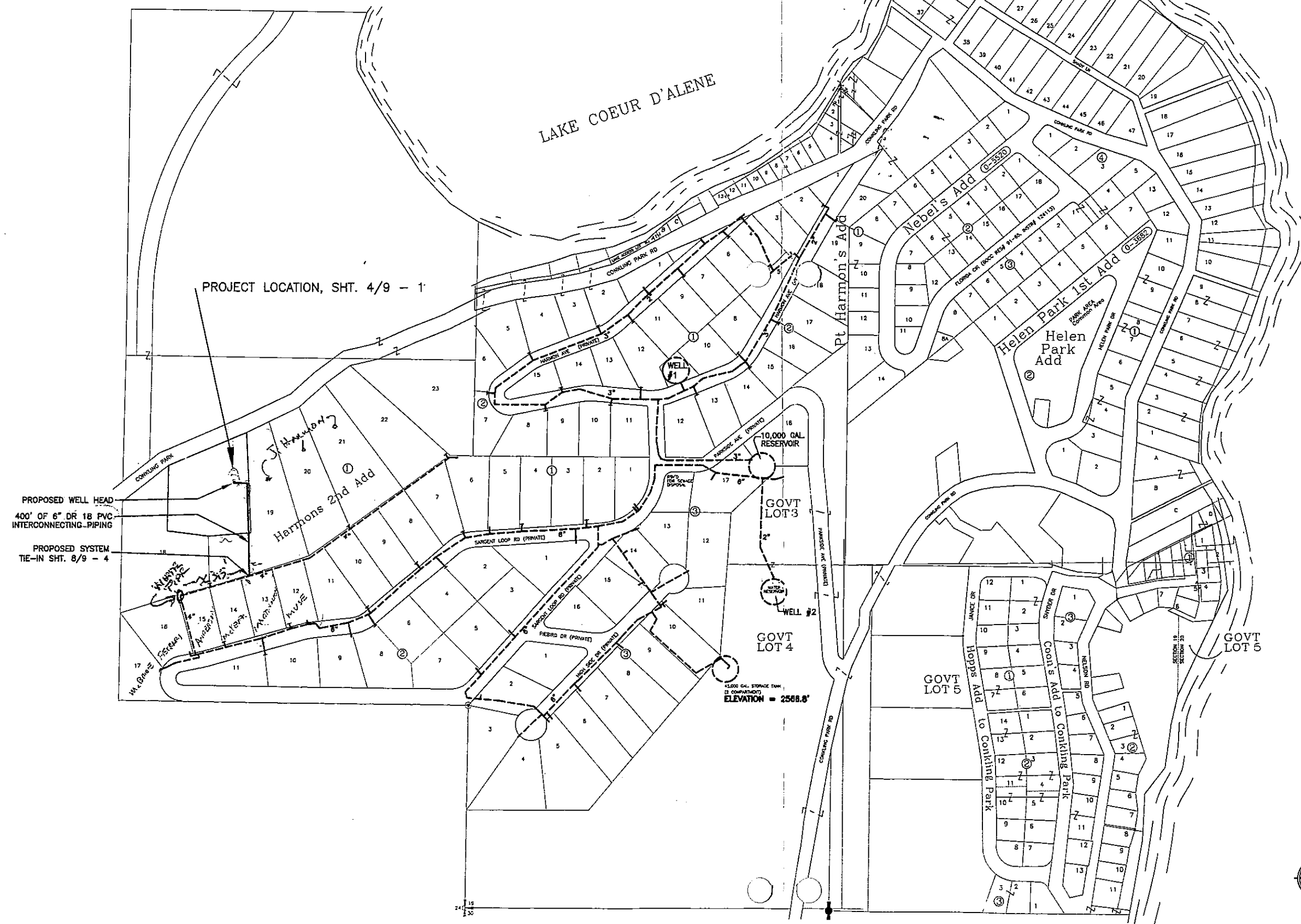
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HARMON PROPERTY
OWNERS ASSOCIATION
KOOTENAI COUNTY, IDAHO
JUNE 2004

WATER SYSTEM
IMPROVEMENTS
PROJECT OVERVIEW

DRWN. BY: SHJ
DATE: 8-04-04
DWG. NO.: OVERVIEW
JOB NO.: 02-14
SCALE: HORIZ.
VERT.

SH. NO.
3/9



DRAFT

LEGEND

- EXISTING WATER SYSTEM
- PROPOSED WATER SERVICE

