

[illegible]

Method of Determination:

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>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
00041248		125Hp		Berkley	BT-900 (125hp)

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements: PLEASE SEE THE PUMP DATA FROM THAT IS ATTACHED WITH FIELD REPORT.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS			WELL		
WATER RIGHT No.			95-9089		
	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q = $HP \cdot 8.8 \cdot \text{Eff} / H$	125	243	0.8	243	0
Q = 3.627 cfs 1628.0 gpm					

F. 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: THIS IS A COMMERCIAL LICENSE NO IRRIGATION**G. NARRATIVE/REMARKS/COMMENTS:**

KNIFE RIVER CO, IS WORKING AT THIS LOCATION UNDER HAP TAYLOR & SONS INC.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
COMMERCIAL	01/01 to 12/31	3.630 CFS	

Totals: 3.630 CFS

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 *[Signature]*

Date 12-17-2007

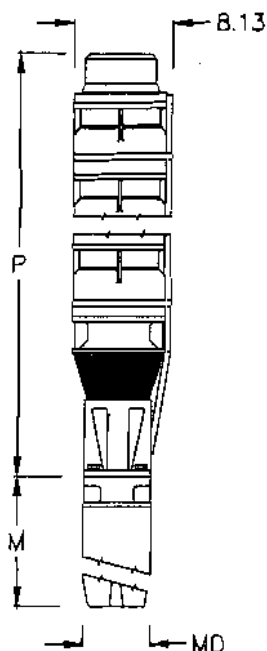
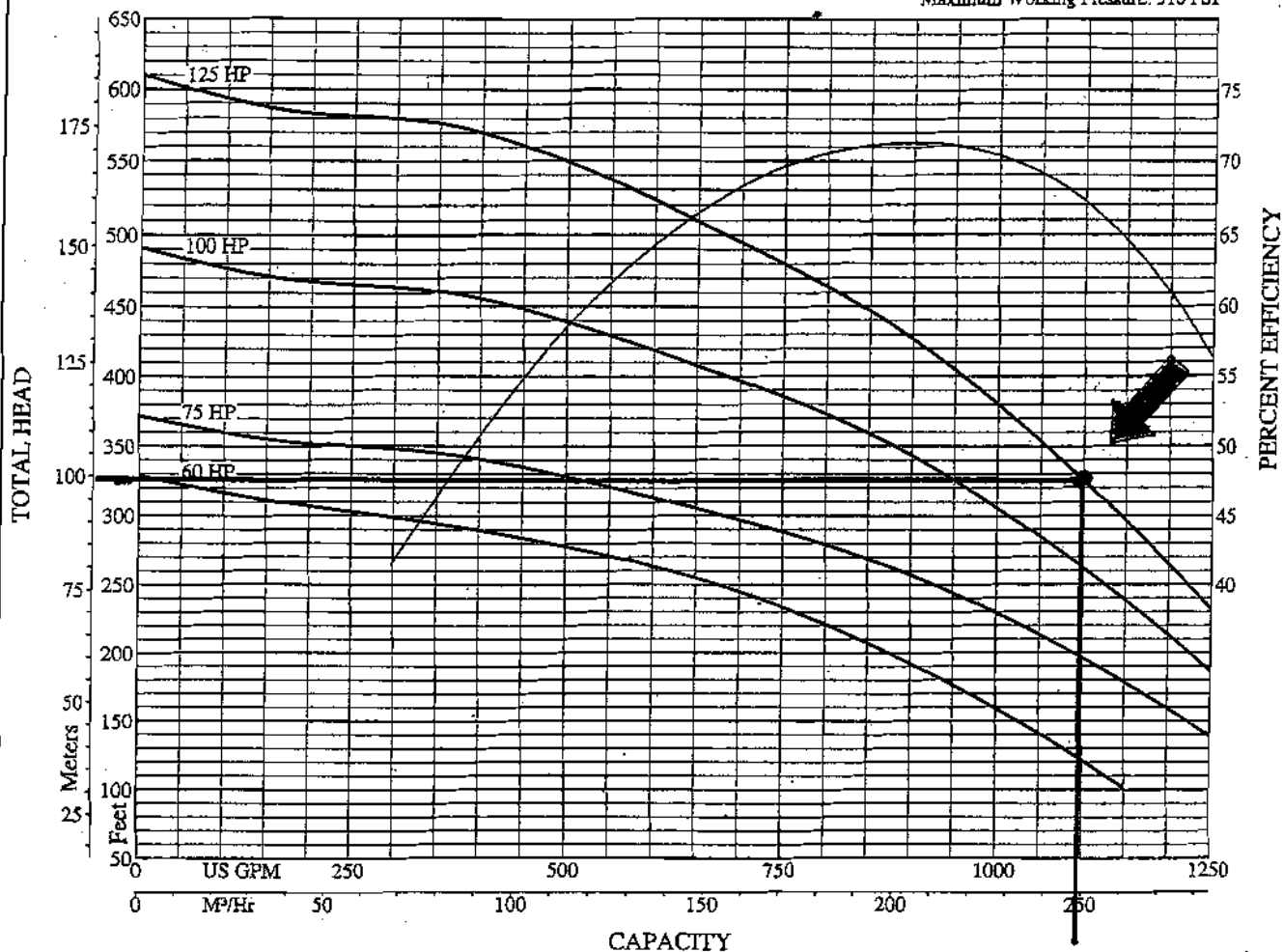
Reviewer *[Signature]*

Date 2/8/8

Nominal RPM: 3450

Based on Fresh Water @ 68° F.

Maximum Working Pressure: 510 PSI



OUTLINE DIMENSIONS / WEIGHTS

HP	stages	Motor size	P length	M* length	MD* dia.	Mtr. wt.	Pump wt.
60	3	6"	43.00	61.30	5.44	335	145
75	3	8"	43.75	54.90	7.50	433	148
100	4	8"	50.50	58.90	7.50	478	177
125	5	8"	57.25	68.80	7.70	709	206

Note: dimensions = inches; weight = U.S. lbs.

M* - Maximum length (Franklin Electric Motor)

MD* - Motor diameter (Franklin Electric Motor)

SPECIFICATIONS

Minimum Well I.D.	10.0 Inches
Minimum Submergence @ BEP (above inlet)	15.0 Feet
Capacity Range	227 - 1300 GPM
Discharge	6" F NPT
See manufacturer's data for motor cooling requirements	

SUPERSEDES

All Previous

Date 04/15/98

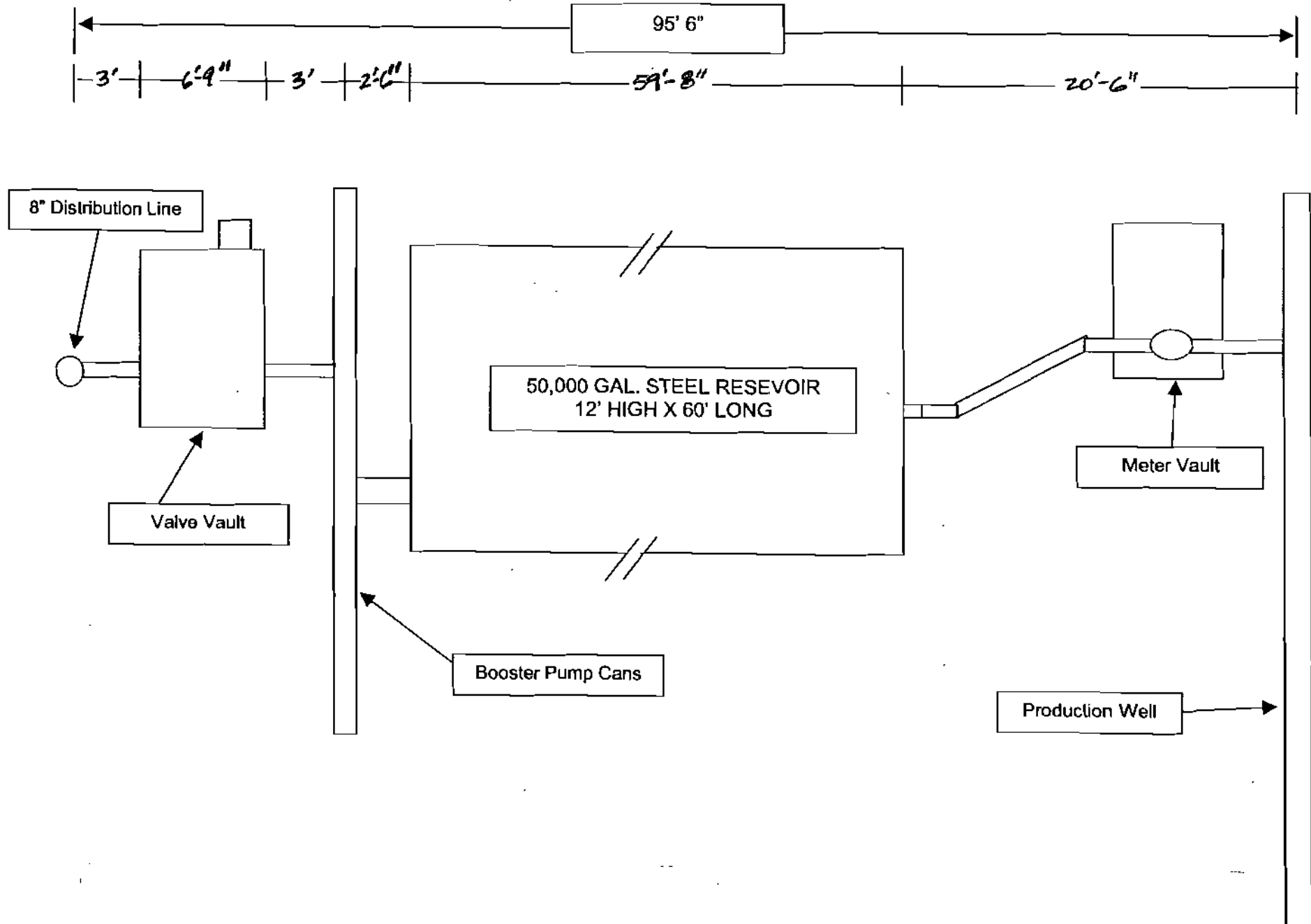
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Winkler Materials – Wyoming Pit Water System



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0.2 0 0.2 0.4 Miles

S-13 T-51N R-5W

-  Kootenai taxlots
-  GCDB51N05W GCDB
-  Place of use.shp
-  Township/Range
-  Sections
-  QQ
-  Right POD





50,000 GAL STORAGE AND
3 BOOSTER PUMPS.JPG



PLACE OF USE 1.JPG



PLACE OF USE 2.JPG



PLACE OF USE 3.JPG



PLACE OF USE 4.JPG



PLACE OF USE 5.JPG



POWER SUPPLY.JPG



PRESSURE TANKS.JPG

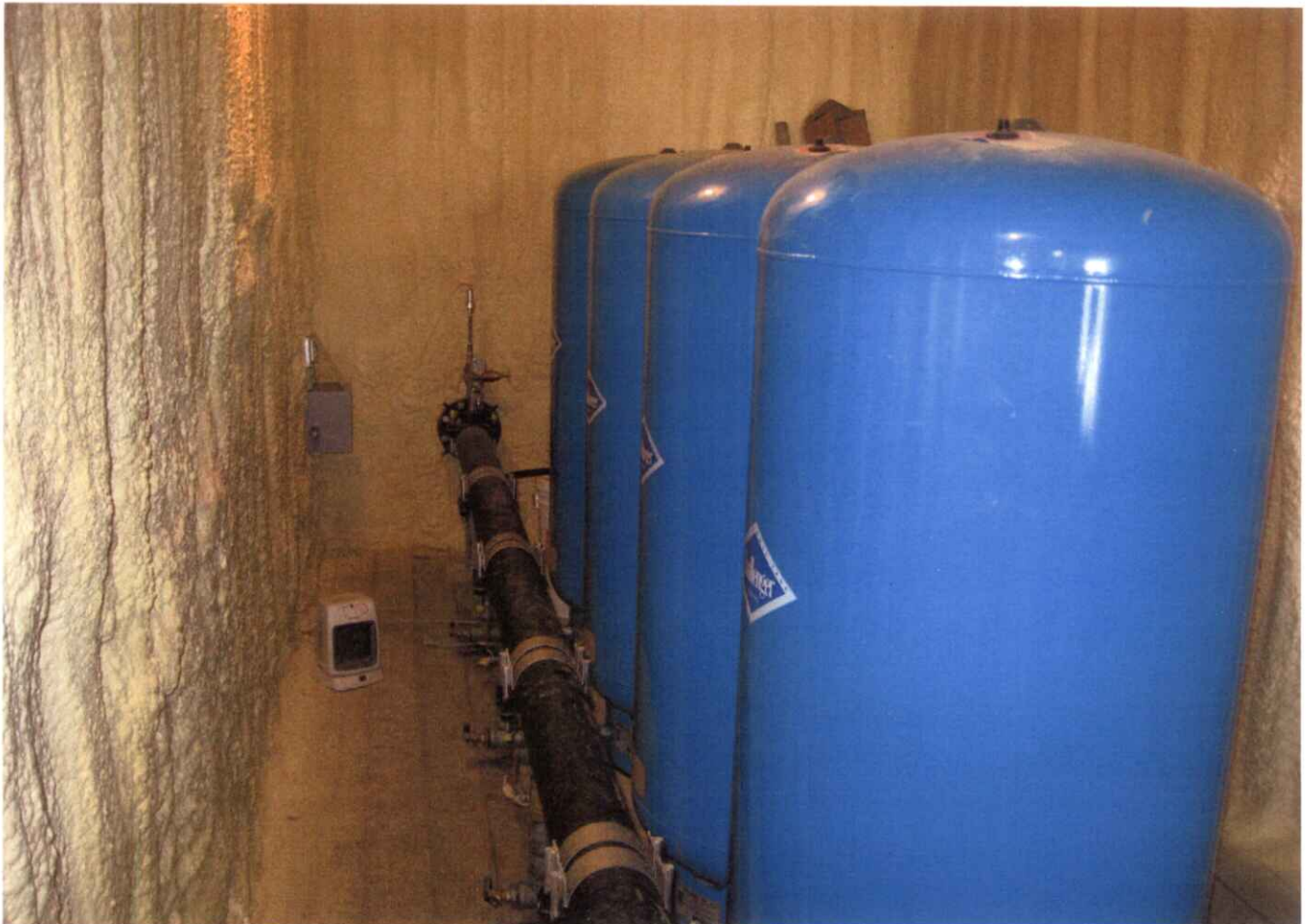


WELL.JPG

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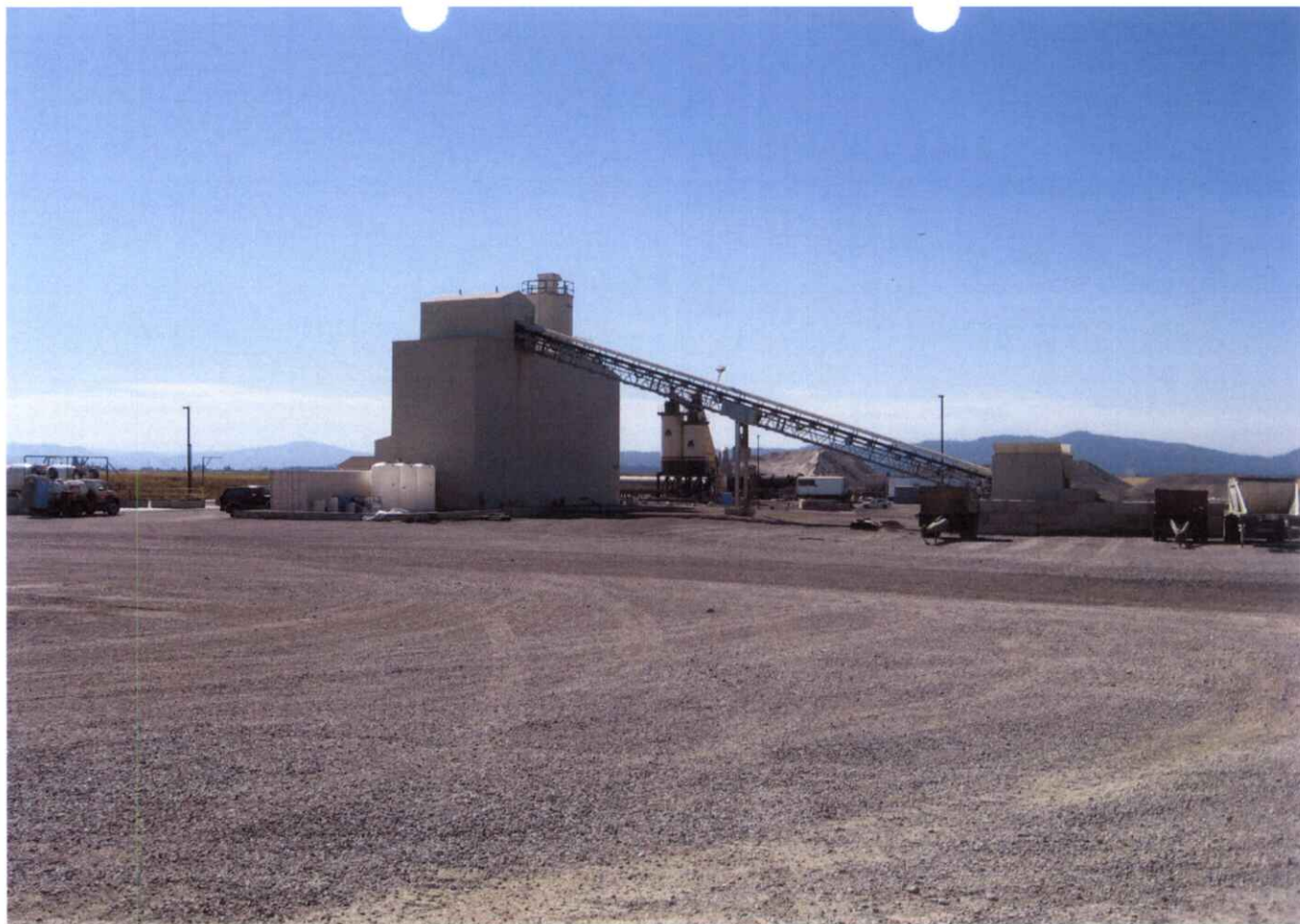
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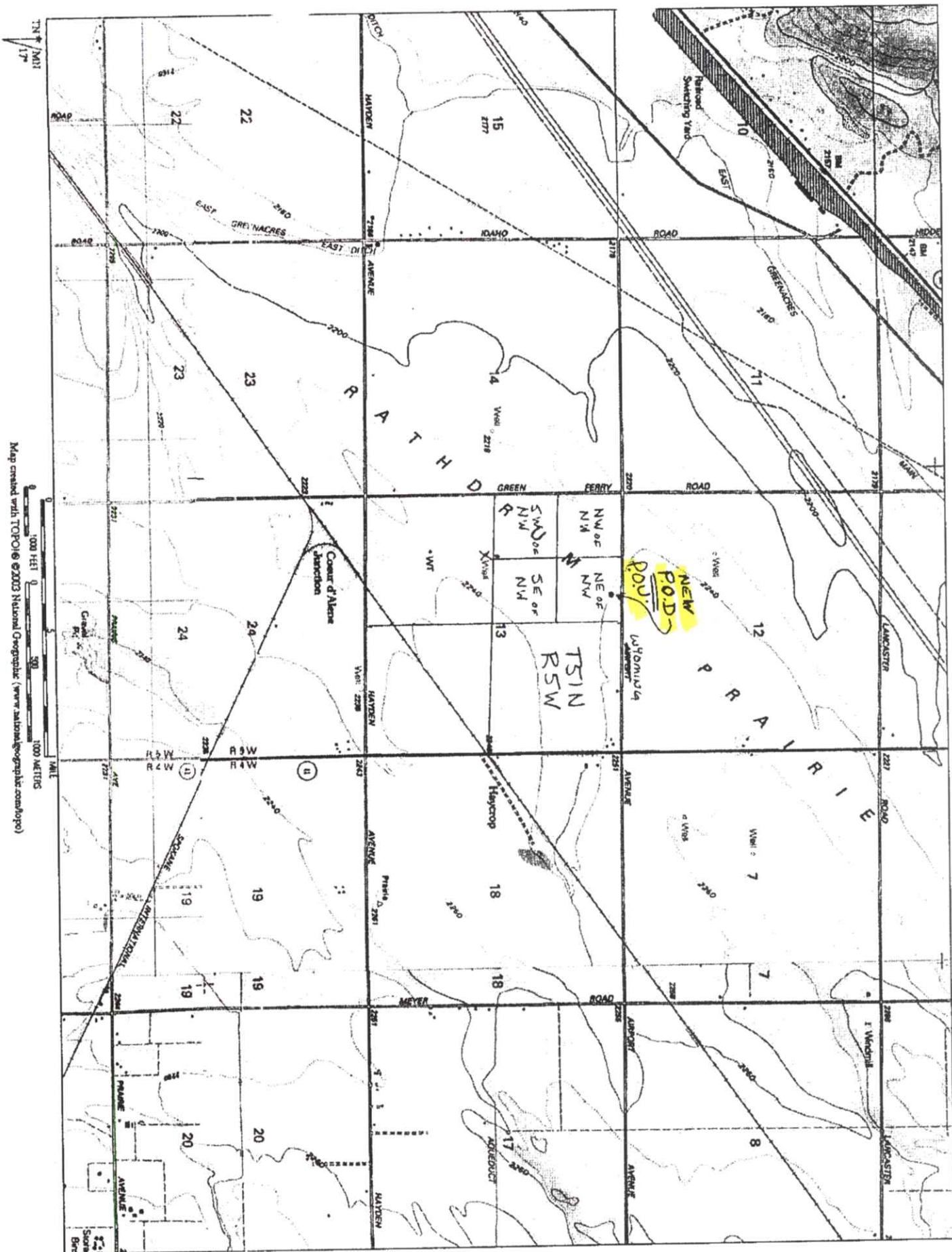


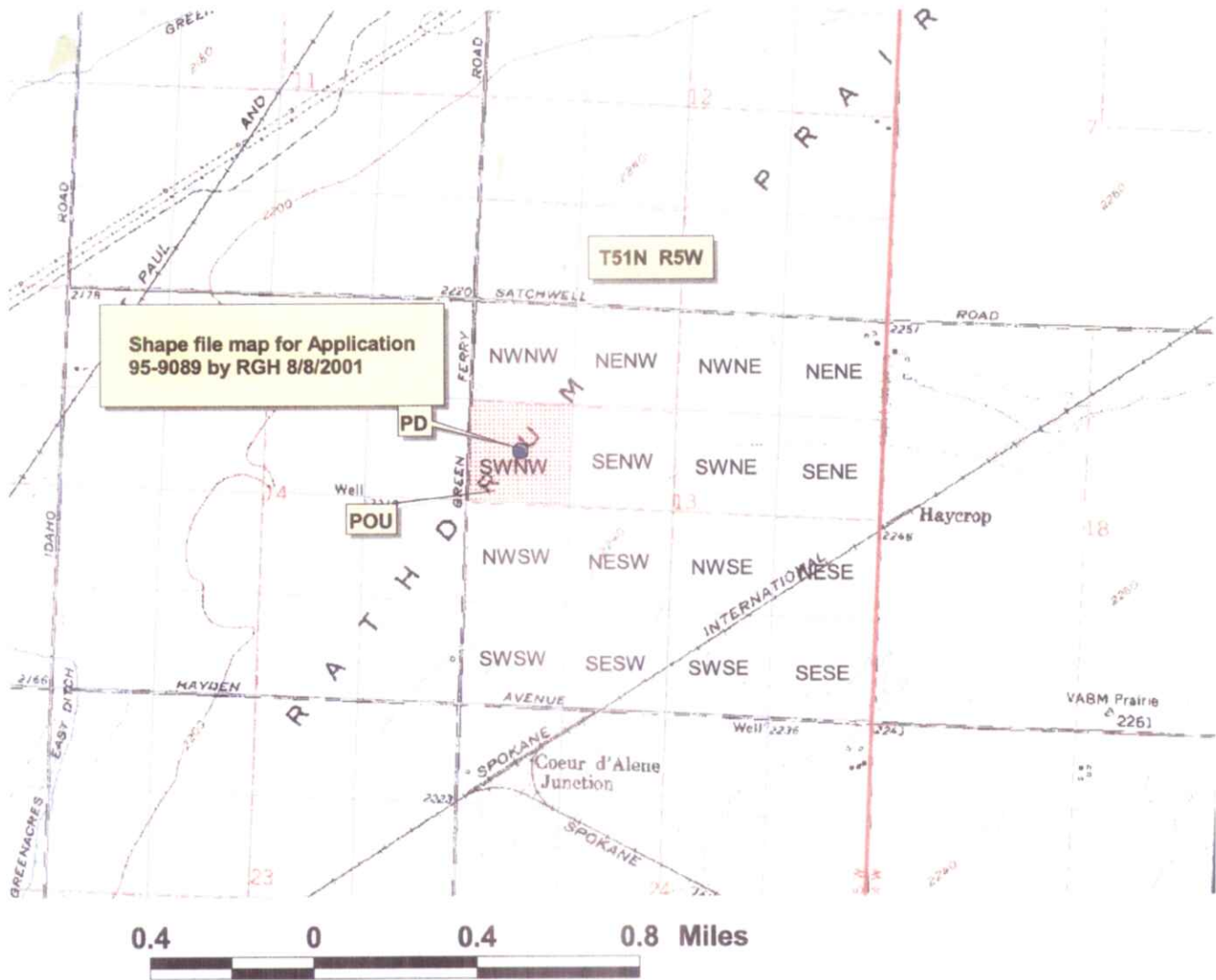
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- Quad IndexQuadcov.shp
- GCDBT51N05W.shp
- POD- ApplicationApplication POD
- Application POU
- Townships



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