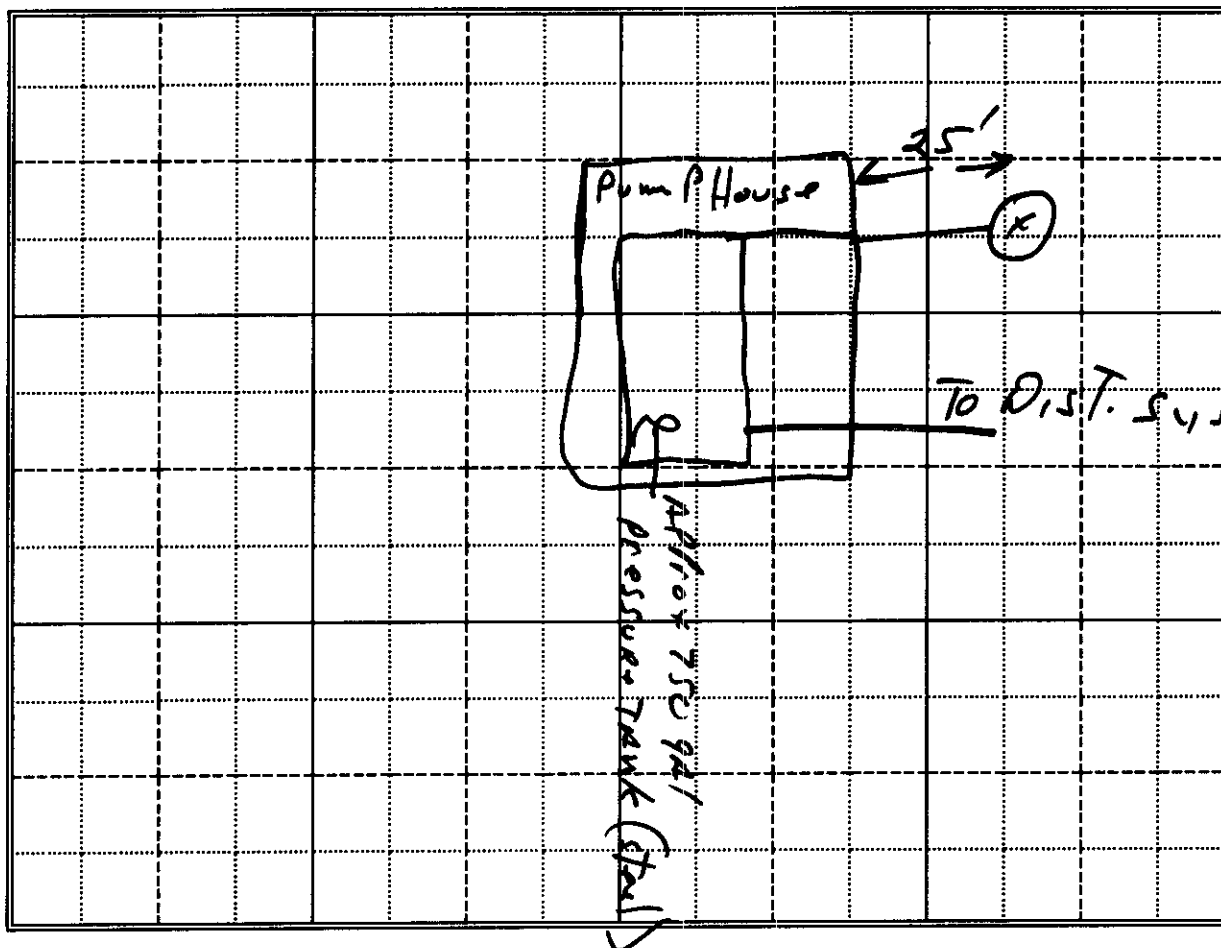


2. Place(s) of Use.			Measure Worksheet																
TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
			Within Service AREA McQuinn Estates																
			water users ASSN.																
			Generally Located all 04-TSDN-5 W																
			Irrig ⁿ 1280118																

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	25		Grundfos	2305250

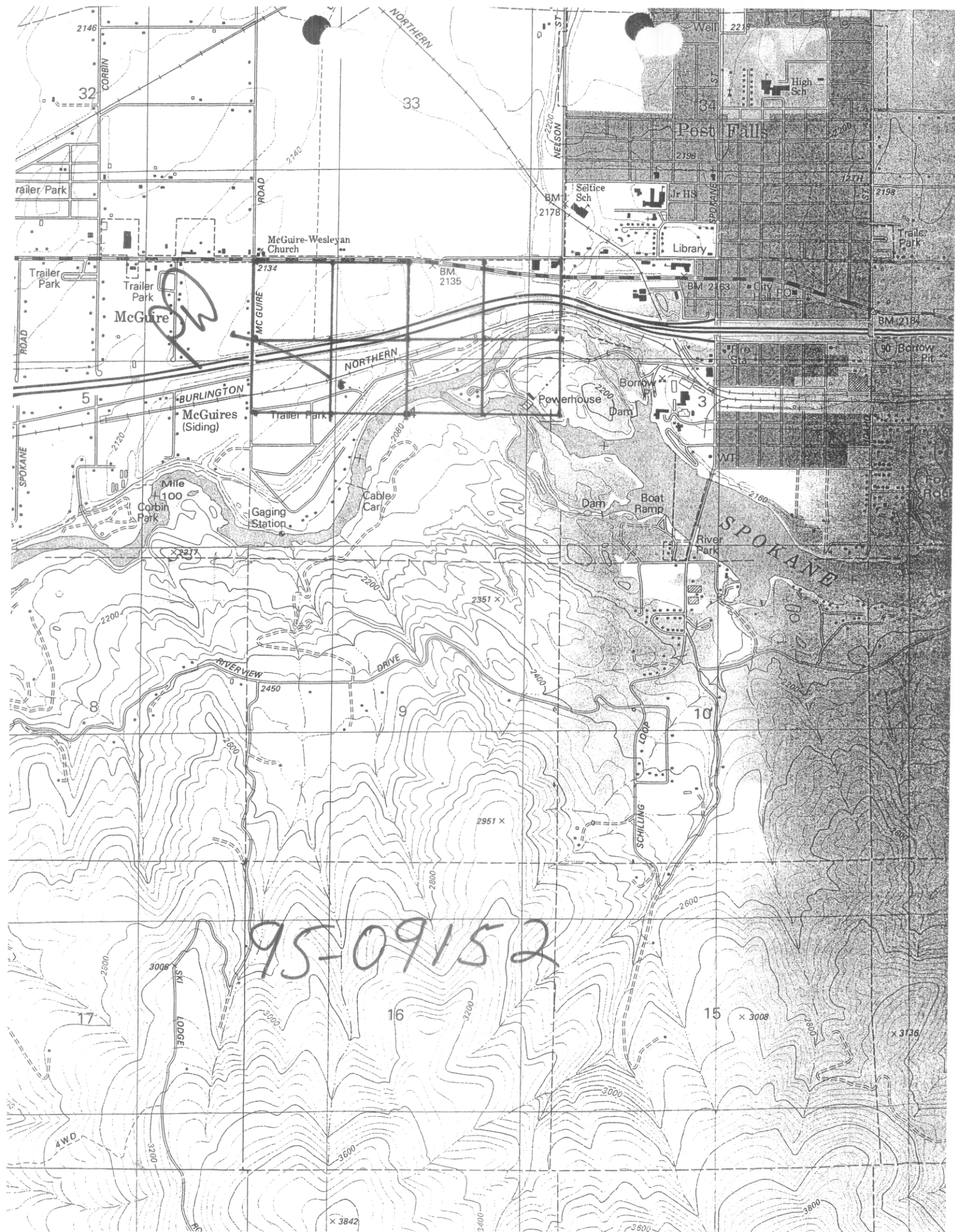
*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

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

2. Measurements: _____



E. NARRATIVE/REMARKS/COMMENTS

This system has no flow meter on it Pump House configuration won't allow use of polysome meter. So I used a theoretical calculation for rate. It came out considerably higher than permit. I explained to Mr. Riley that you may require the assn. to install a meter or provide power records to determine rate. He said there were plans to install a meter on supply side.

Photos for this exam were lost. Either by me or developer?

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

F. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method:

system Pump starts 47 PSI cutout 88 PSI

$$\text{Theoretical } \frac{8.8(25)(60)}{200 + (2.31 \times 47)} = \frac{154}{308.57} = 0.499 = .5 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

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		
<u>Municipal</u>	<u>01-01</u>	<u>12-31</u>	<u>0.17</u>	
Totals:			<u>0.17</u>	

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 9-30-09

Reviewer _____ Date _____

SEAL