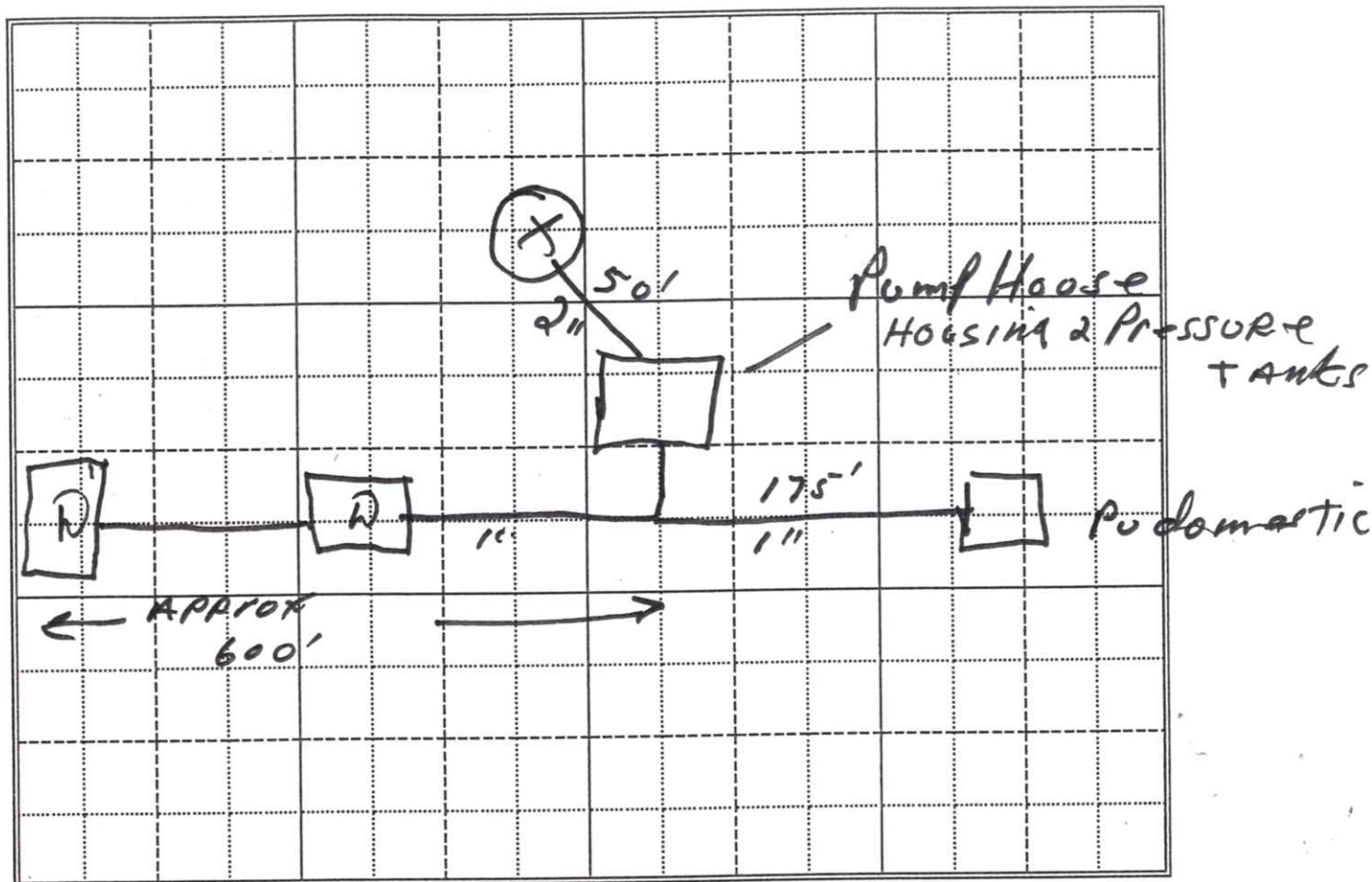


[illegible]

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



Scale: 1" = NTS

____ 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
		5	2821139510	Sub	2"
	Franklin				

*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

Original permit 7/8/91 was for eight homes on this system. Only 3 homes were actually developed. Irrigation under this permit is normal domestic irrigation less than $\frac{1}{2}$ acre per household. Normal lawn & garden.

Mr. Wilby says he owns this system & didn't pay any change of ownership. Please check to see if that was done.

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

F. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method:

Theoretical

$$\frac{8.8(5)(.7)}{240 + (2.31 \times 35)} = \frac{30.8}{320.85} = .095 = .1 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .1 \times 245 \times 1.9835 = 48.5$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 4.5$$

2. Volume Calculations for Other Uses:

$$1.5 \text{ ac.} \times 0.03 \text{ cfs/ac} = .045 = .05$$

$$3 \text{ homes} = 0.08 \text{ cfs}$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<i>Domestic (3)</i>	<i>01-01</i>	<i>12-31</i>	<i>.08</i>	<i>16.8</i>
<i>Irrigation</i>	<i>03-15</i>	<i>11-15</i>	<i>.05</i>	<i>4.5</i>
Totals:			<i>.1</i>	<i>6.3</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 Baldwin* Date *7-5-06*Reviewer *Angela Fyfe* Date *12-4-06*

SEAL



Pump
House

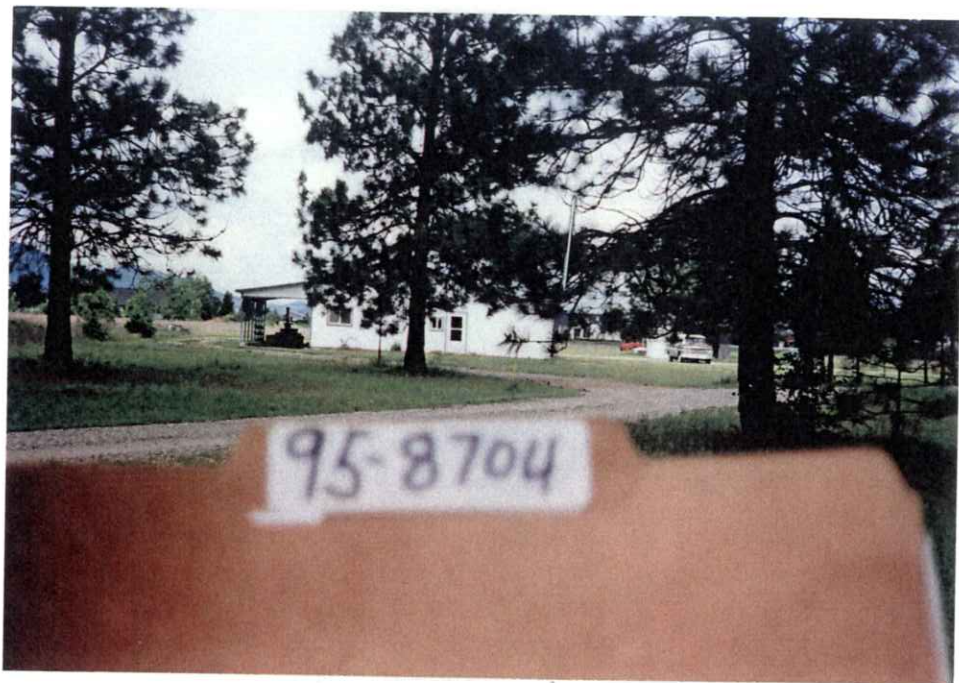


PW

Domestic



Domestic #2



Domestic #3

