

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATIONPermit No: 96-9460

Exam Date: 08/24/15

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y N
- a. Irrigation of 5 acres or less
 - b. Storage of up to 14.6 AF for stockwater purposes only
 - c. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - d. Other < >

2. Current Owner: Name: RICHARD E DAVIS or LAURA LEE DAVIS
727 USFS RD 2553
PRIEST RIVER, ID 83856
(208)290-4161

Owner of Record Correct? X Y N

Address of Record Correct? X Y N
If No: Address

3. Beneficial Use Fees have been paid: X Y N Receipt No: C01007504. SOURCE TRIBUTARY

Spring

Sinks

Unnamed Stream

Sinks

Method of Determination: Verified through Ark Map and WR Record.

Change in Source: Y X N**B. OVERLAP REVIEW**1. Other water rights with the same place of use: NO Overlap

Comments:

2. Other water rights with the same point of diversion: NO Overlap

Comments:

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	¼	¼	¼	Sec	Twp.	Rge.		County
SPRING		NE	NE	NW	29	55N	03W	B.M.	BONNER
UNNAMED STREAM			NE	NW	29	55N	03W	B.M.	BONNER

Method of Determination: Information from file and ark map was used to verify

Change in POD? N Amendment Required? N

2. **PLACE OF USE:** Use: Fire Protection Domestic and Stockwater

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
55N	03W	29					X												
		Lot #																	

PLACE OF USE: Use: Irrigation

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
55N	03W	29					5.0												5.0
		Lot #																	
Total Acres =																			5.0

Method of Determination: WR File and record verified through ArkMap

Change in POU? ____N Amendment Required? ____N

☒_x_ Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable.

☒_x_ 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
NA	NA	NA	NA	NA	NA

*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. FLOW CALCULATIONS

____Additional Computation Sheets Attached

Measured Method:

0.02 cfs = 1 inch per acre (IDWR standard) 5 acres(0.02 cfs) = 0.10 cfs at 1 inch per acre

Per App. Processing Memo #17, up to 0.03 cfs/acre for irrigation up to 5 acres acceptable. 5 acres(0.03 cfs) = .15 cfs

Per App. Processing Memo #2, - domestic for one house served = 0.04 cfs

Per App. Processing Memo #3 - 0-10 head of stock = 0.02 cfs

Per App. Processing Memo #30 - It is the department's policy that fire protection is an implied use for any water right up to the maximum amount of that water right. = 0.15 cfs

Permit allowed = 0.15 cfs Irrigation, 0.02 cfs Stockwater, 0.04 cfs Domestic and 0.15 cfs fire protection**License recommend for 0.15 cfs irrigation, 0.02 cfs stockwater, 0.04 cfs Domestic and 0.15 cfs Fire Protection**

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 5 \times 3.0 = 15.0$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.15 \times 214 \times 1.9835 = 63.7$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 15.0 \text{ af}$$

2. Volume Calculations for Other Uses:

Per App. Processing Memo #22 0.6 af X 1 home = 0.6 af

Per App. Processing Memo #3 – 0-10 head of stock = 0.2 af

G. PURPOSE OF USEIrrigation ☒ Y ☐ N # Stock 4 Domestic # of Homes 1

Fire Protection

Change in Purpose of Use? ☐ Y ☒ N

Method of Determination: WR File and Field Exam

H. NARRATIVE/REMARKS/COMMENTSHave conditions of permit approval been met? ☒ Yes ☐ No

The water is diverted from a spring and an unnamed stream into a concrete spring box, the water then flows about 25 feet through a six inch line to a 2500 gallon concrete holding tank. The water runs about 1200 feet south through a two inch line to the house and irrigated land.

I. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Irrigation	04/01 to 10/31	0.15 CFS	15.0 AF
Domestic	01/01 to 12/31	0.04 CFS	0.6 AF
Stockwater	01/01 to 12/31	0.02 CFS	0.2 AF
Fire Protection	01/01 to 12/31	0.15 CFS	
<u>Totals:</u>		0.15 CFS	15.8 AF

2. Recommended Amendments

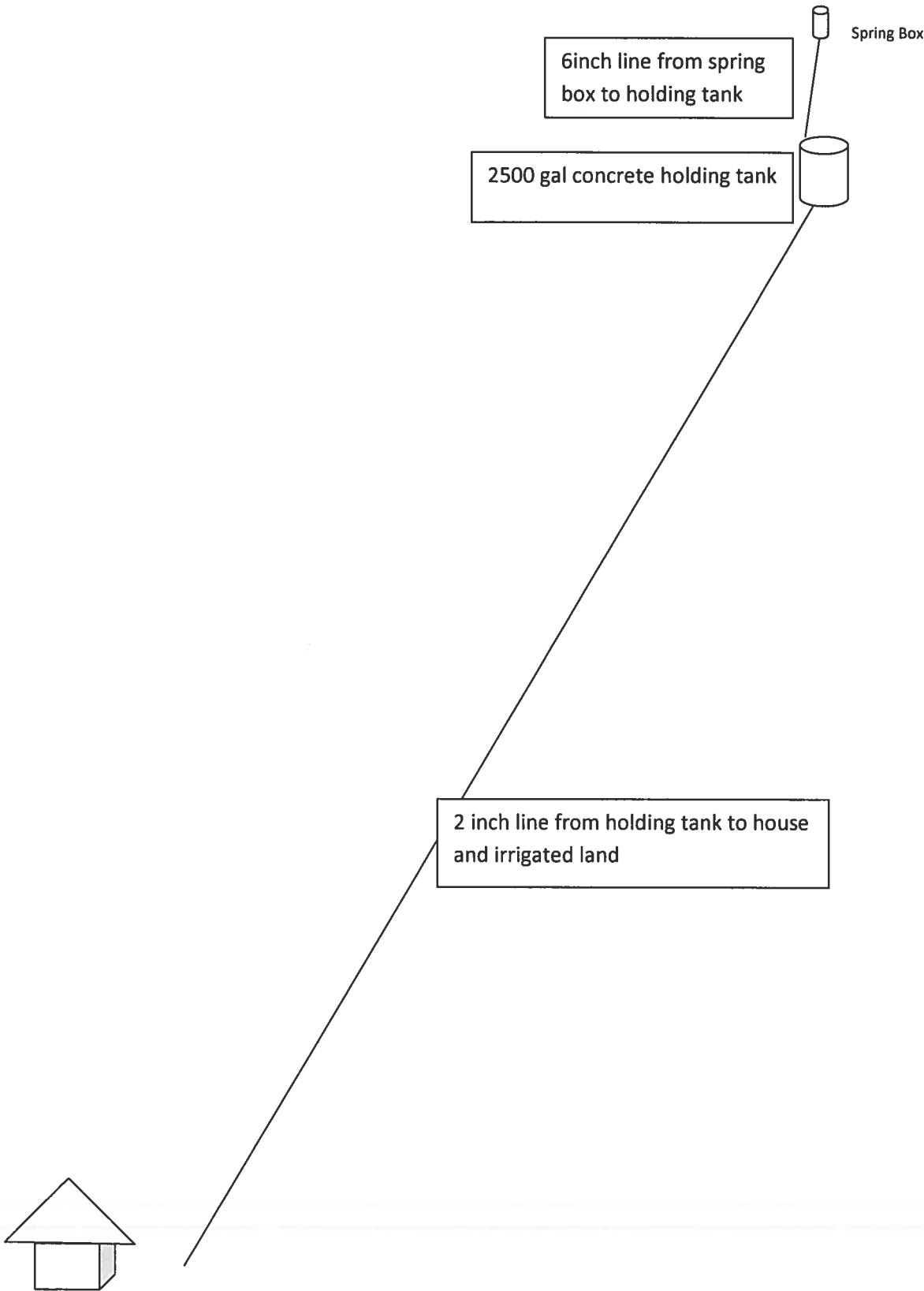
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

Other: < >

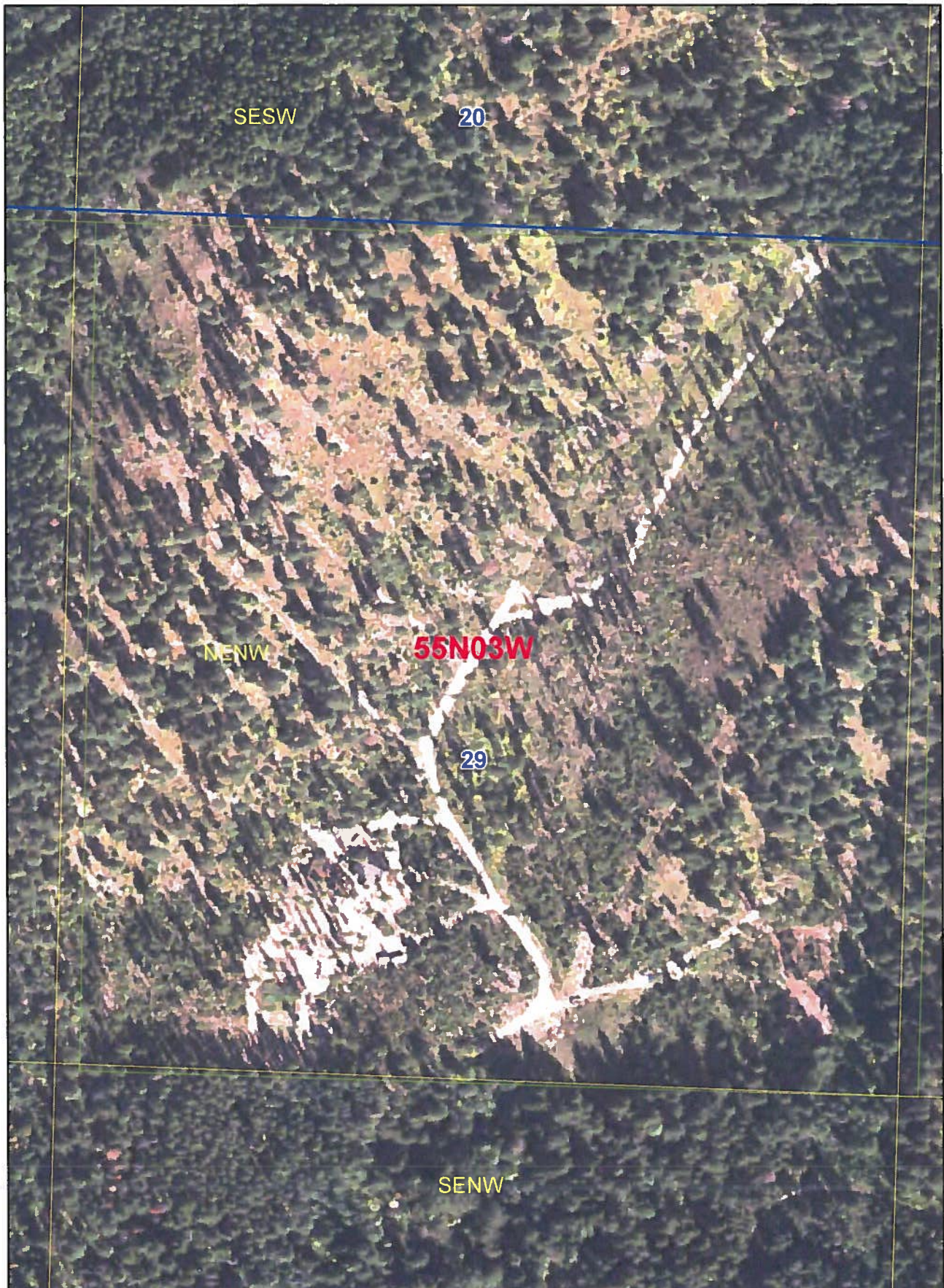
J. AUTHENTICATIONField Examiner's Name Clay Webster Date 10/5/2015

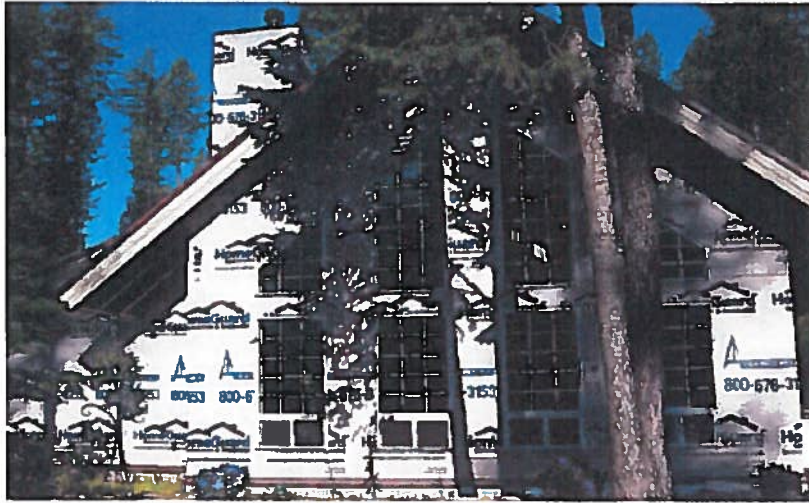
Reviewer _____ Date _____

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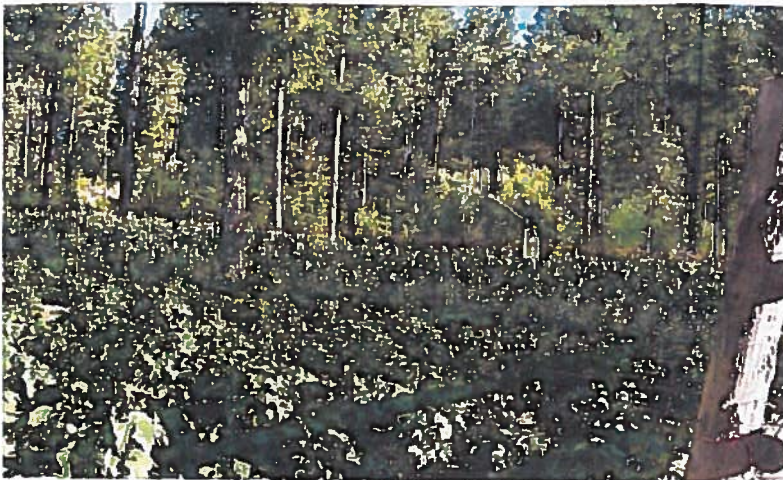


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House

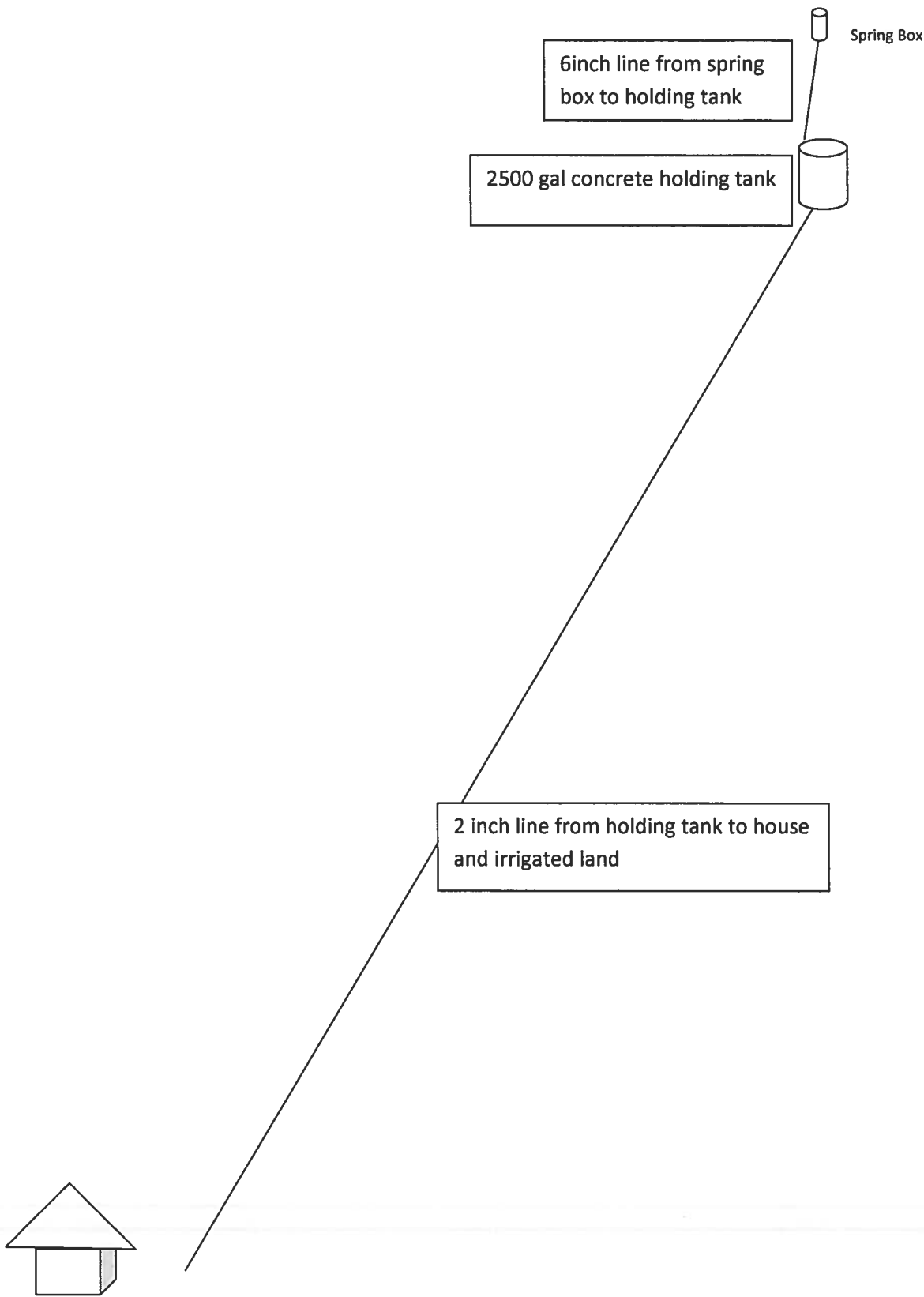


Irrigation area



Spring box

96-9460 Davis



RECEIVED

AUG 11 2015

DEPARTMENT OF
WATER RESOURCES

August 2, 2015

To Whom It May Concern,

Below as you have requested is a brief description of our gravity flow distribution system.

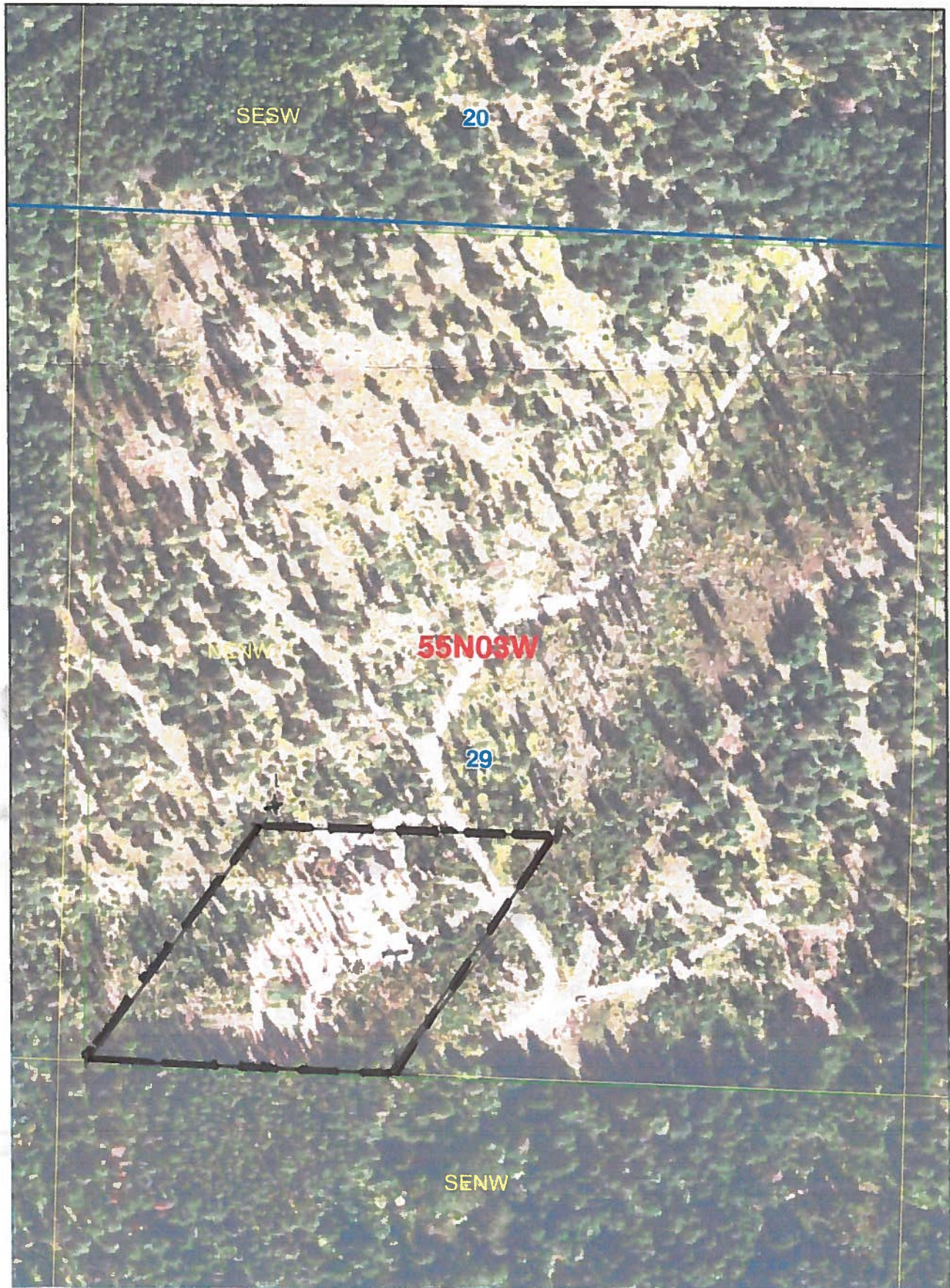
We receive our water from a spring/unnamed stream just below the north (east/west) line of our property. The water at that point is received into a spring box (manufactured concrete casing). From the spring box the water is carried approximately 25 feet through a six inch line to a 2500 gallon concrete holding tank. From the holding tank the water travels approximately 1200 feet south through a two inch line to the house and irrigated land.

Thank you,



Richard Davis, Laura Davis

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--- 5 irrigated acres,