

MAY 20 2005

Permit No: 51-7355

Page DEPARTMENT OF WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 51-7355

Exam Date: 7/15/1997

1. Current Owner: KENT KOHRING
28924 DAVIS RD
BRUNEAU ID 83604
(208)845-2926

2. Accompanied by: Kent Kohring

Phone No:

Address:

Relationship to Permit Holder:

3. SOURCE

WASTE WATER

TRIBUTARY

JACKS CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 51-2214, 51-12977, 51-7356

2. Other water rights with the same point of diversion: 51-7356, 51-7357

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

WASTE WATER

NW1/4NE1/4

Sec. 25, Twp 06S, Rge 04E, B.M.

OWYHEE County

Method of Determination:

2.

PLACE OF 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	
06S	04E	24																38.0	38.0
06S	04E	25	38.0	36.0			38.0	39.0	40.0	40.0	40.0								271.0
06S	05E	30					40.0	40.0	40.0	42.0									162.0
								L 1	L 2										

Total Acres: 471

Limited to Irrigation of 37 acres within 471 acre PPU.

Method of Determination:

3. ☐ Y ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☐ Y ☐ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☐ Y ☐ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☐ Y ☐ Photo of Diversion and System Attached

<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>
Sump Pump		_15_	Parma Water Lifter No. 4		

*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>Callb. Date</u>

2. Measurements: Agri-Lines in Bruneau installed the wastewater system. Terry Crothers, manager of Agri-Lines, stated that the sump pump could pump 1100 gpm at 10 ft lift.

E. FLOW CALCULATIONS

Measured Method: 1100 gpm = 2.45 cfs

☐ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 37 \times 4 = 148$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .08 \times 260 \times 1.9835 = 41.3$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 41.3$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

A 15 hp lift pump diverts wastewater from a drain ditch into a pond via 10 inch culvert. Water is then diverted to the acres from the pond with two 75 hp re-lift pumps and a mainline sprinkler system. Permit 51-7356 uses the same source and system for irrigation of additional acres. The pond is also fed by two ground water wells, licenses 51-2214 and 51-12977. These rights were decreed in the SRBA to be used within a 471 ppu. Since the ground water and wastewater are combined in the same pond, the wastewater rights should be amended to the same ppu as the decreed rights with conditions. The permits listed 4/1 to 10/31 as the irrigation season of use. The standard season is now 3/1 to 11/15, which was recommended for licensing.

Protested application 51-7357 is for the same system but separate acres outside the recommended ppu.

Note: Mr. Kohring stated that upper farms excessively irrigate to reduce nitrates and salt in their soil composition. Because of a confining clay layer about 8 to 10 ft below surface, the waste water from the upper farms does not penetrate, but rather accumulates and runs off to lower elevations.

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>
IRRIGATION	04/01 to 10/31	0.080 CFS	41.3 AF
<u>Totals:</u>		0.080 CFS	41.3 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 ☐ Other

I. AUTHENTICATION

Field Examiner's Name Loi Guzman Date 5/10/05

Reviewer _____ Date _____

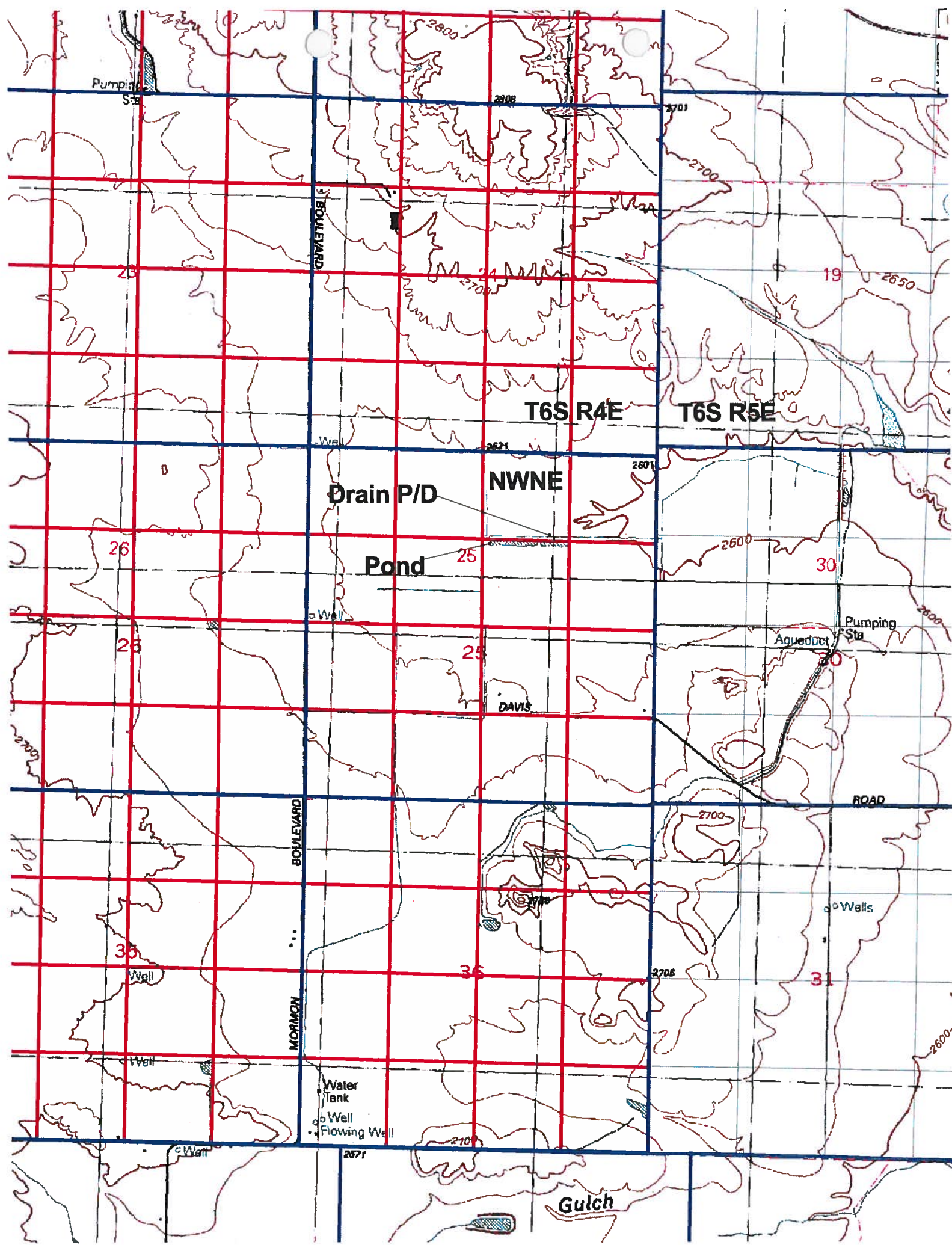
MEMO

DATE: 10/15/1998
FROM: Lori Graves
TO: File 51-07355 & 51-07356
RE: Ownership Issue

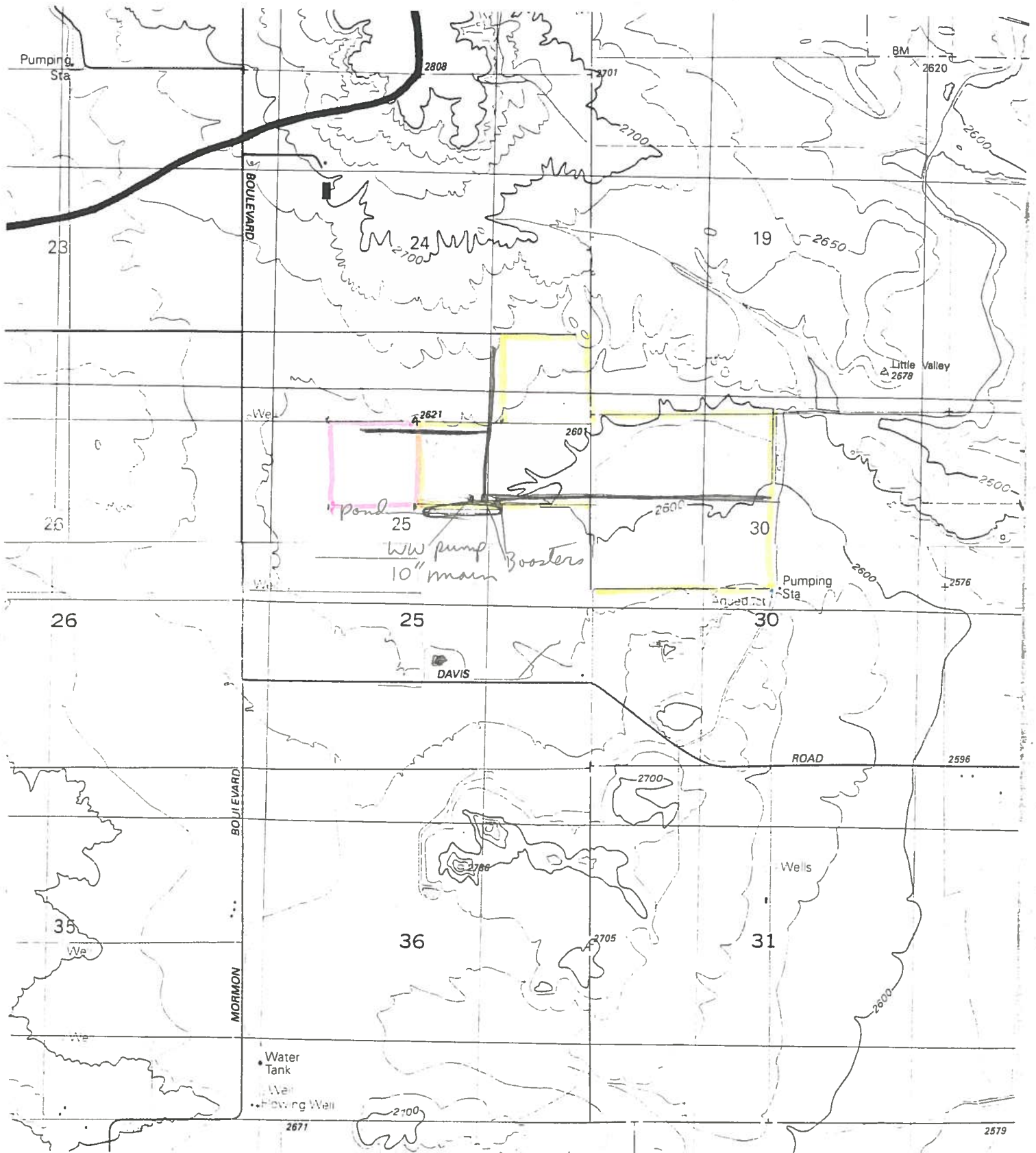
SYSTEM DESCRIPTION: A 15 hp lift pump diverts waste water from a drain ditch into a pond via 10" culvert. Water is then diverted to the acres from the pond with two 75 hp re-lift pumps and a mainline sprinkler system. A 3rd re-lift pump is used for separate acres, same system (explained below).

The pond is also fed by two ground water wells, license 51-02214 and claim 51-04000A. *split into 51-12976 + 12977* These rights were recommended in the SRBA for 312 acres per irrigation season within a 624 acre PPU. The rights are in the name of Tri Vail Inc., as are the waste water permits 51-07355 & 51-07356. Officers are the Robertsons and the Kohrings. The Robertsons objected to the SRBA recommendations. Currently, both parties are involved in an unresolved ownership issue for the 624 acres. The 312 acres listed on permits 51-07355 & 51-07356 are part of the acres in question. The case is being tried at the District court in Murphy. The SRBA court is waiting for the lower court's order. Although the field exam for permits 51-07355 & 51-07356 has been done, the court order may effect the recommendations in regards to the waste water place of use. Since the ground water and the waste water are combined in the pond, and the ground water rights reflect a PPU in the SRBA, pending the court's order, the waste water rights should also be amended to the same PPU with conditions.

I'm not sure why Tri Vail only filed for .002 cfs/acre on the waste water permits. Terry Crothers with Agri-Lines installed the system and said it had the capacity for 2.45 cfs.



System Dia



542

25 3

5

21.7 NHEL

37.4 NHEL

2
37.4 NHEL

34.3 NHEL

6
21.8 NHEL

21.2 NHEL

16.2 NHEL

18.0 NHEL

38.4 NHEL

12.6 NHEL

15
19.4 NHEL

16
25.0 NHEL

3
40.0 HEL

17
37.8 NHEL

18
28.0 NHEL

19
31.3 HEL

5
37.6

113.1 HEL

663
11034

25

303
363

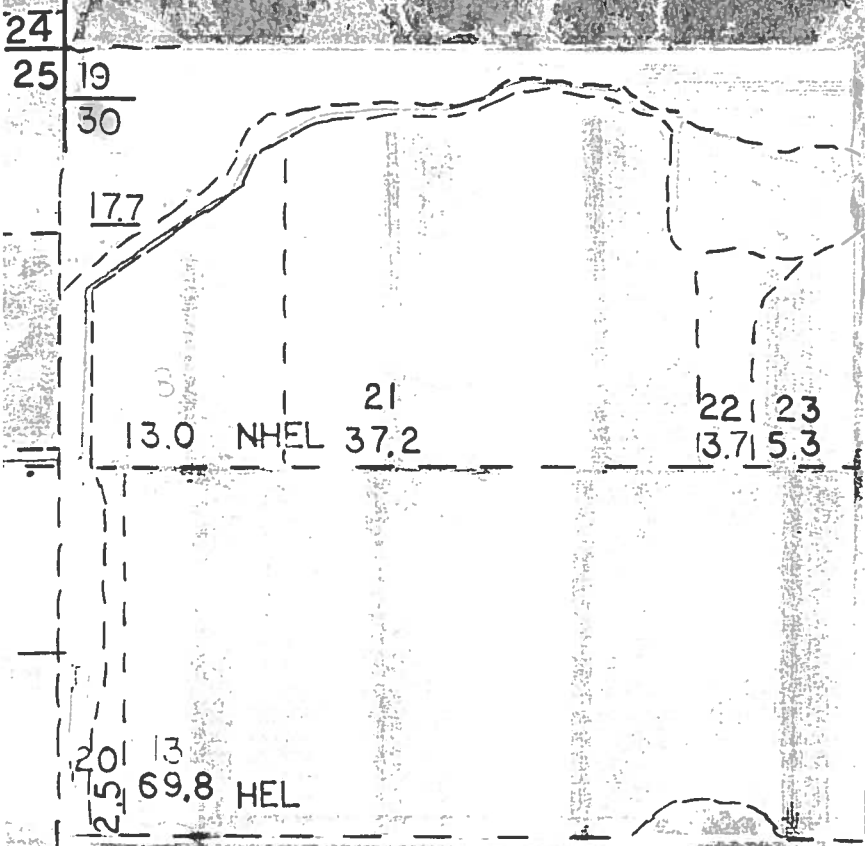
CRP 1990-1999

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38.4

CRP 1990-1999

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suc 25



KK 27

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23 24

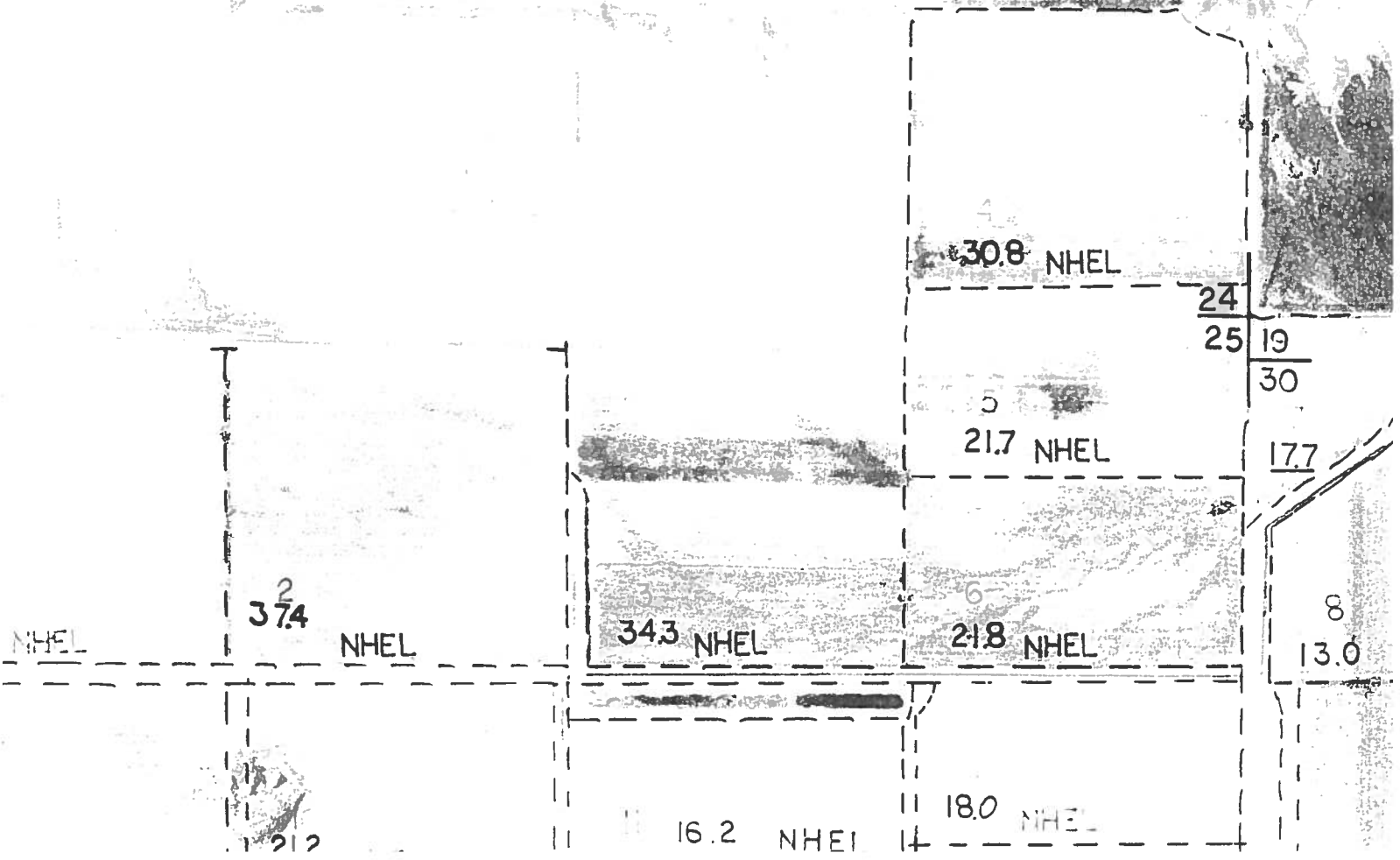
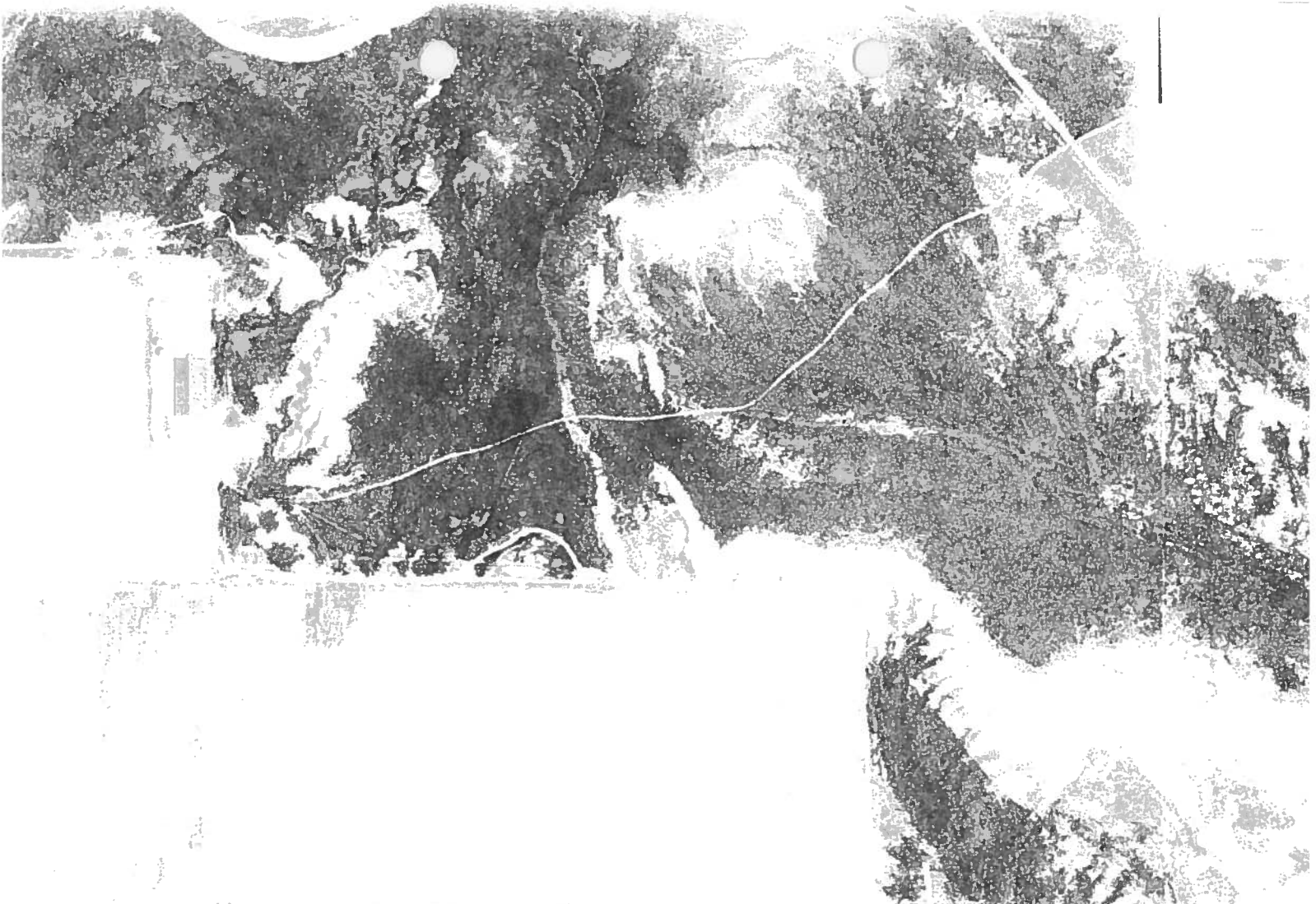
1502
814

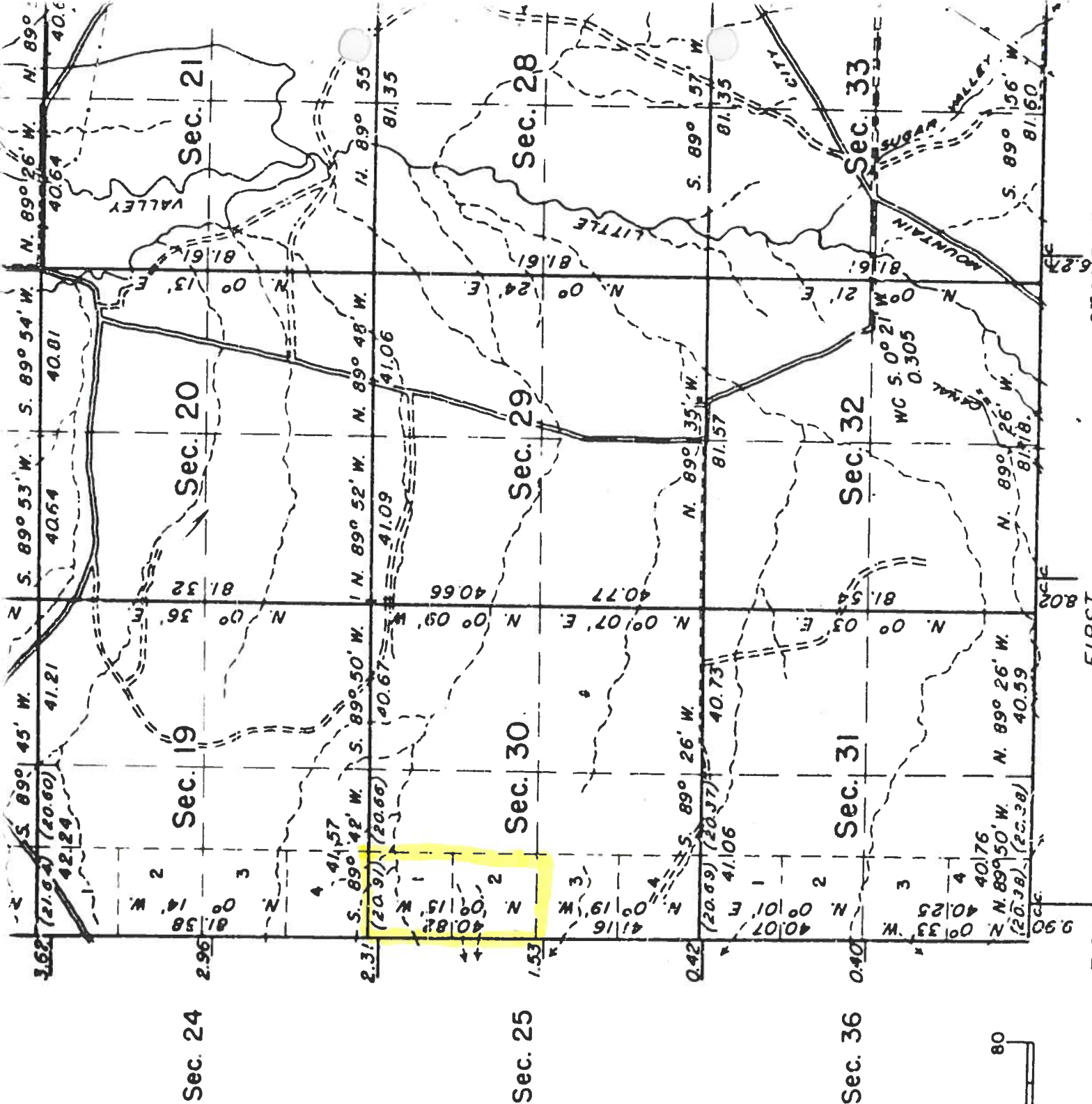
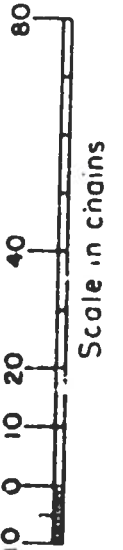
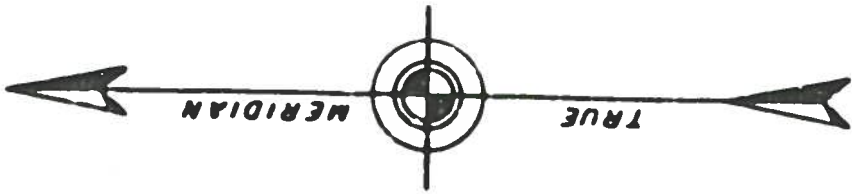
39.7

2
81.7

3
116.2

23 24
26 25







15HP
Sump pump on
WW drain



10" waste water
discharge pipe
into pond

two 75 HP
Reliast pumps
located at
East end of
pond under
power poles

