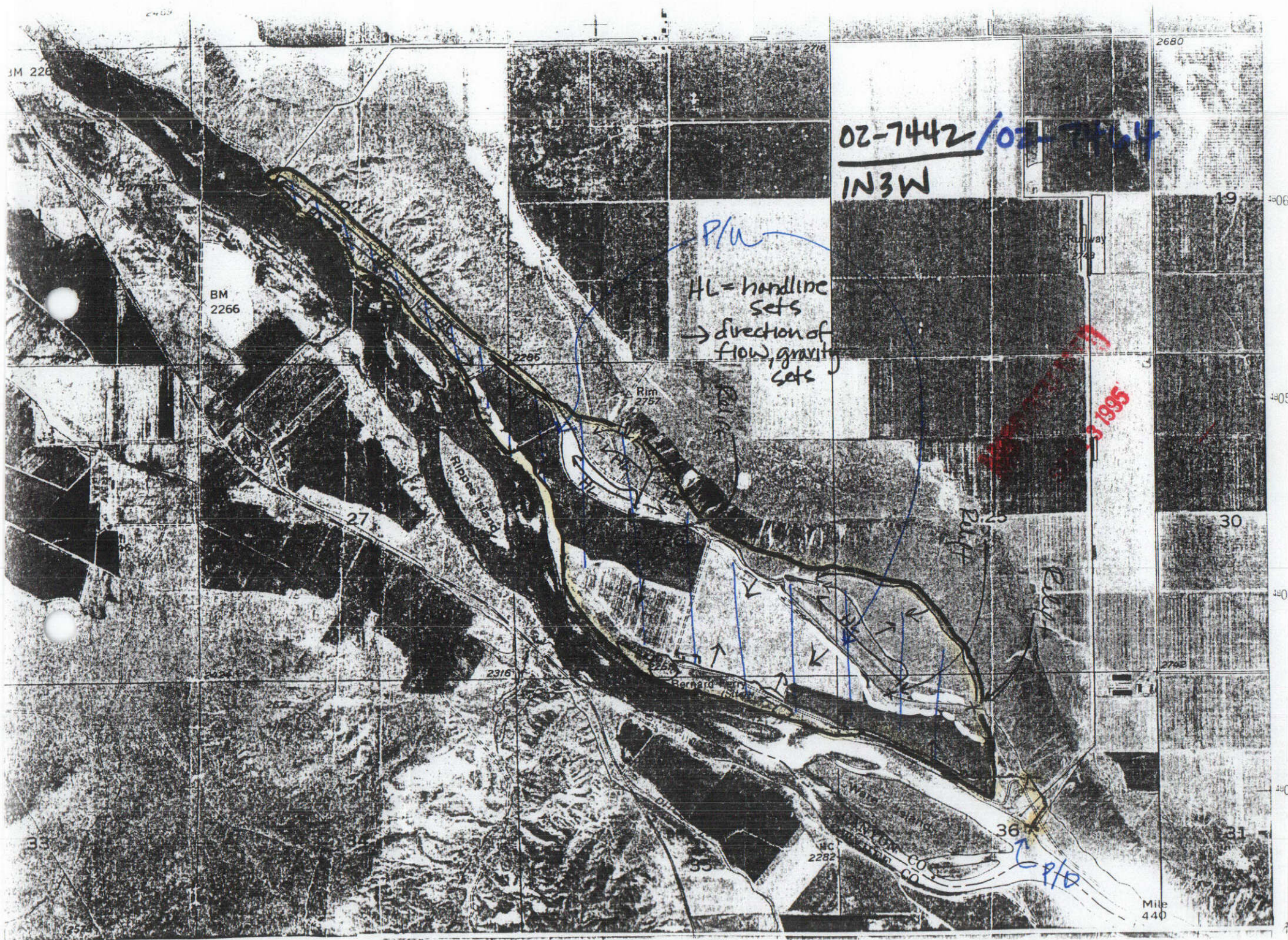
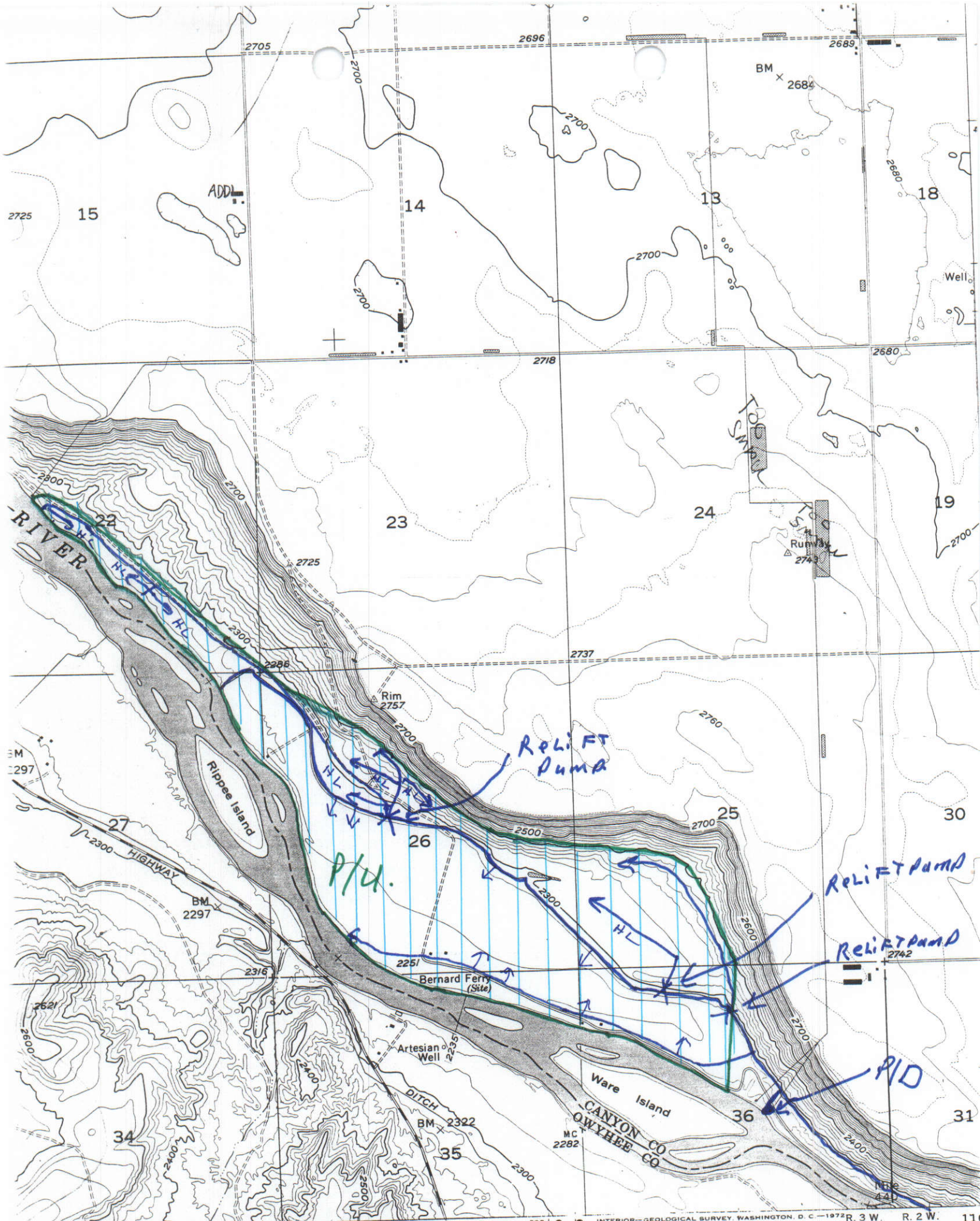
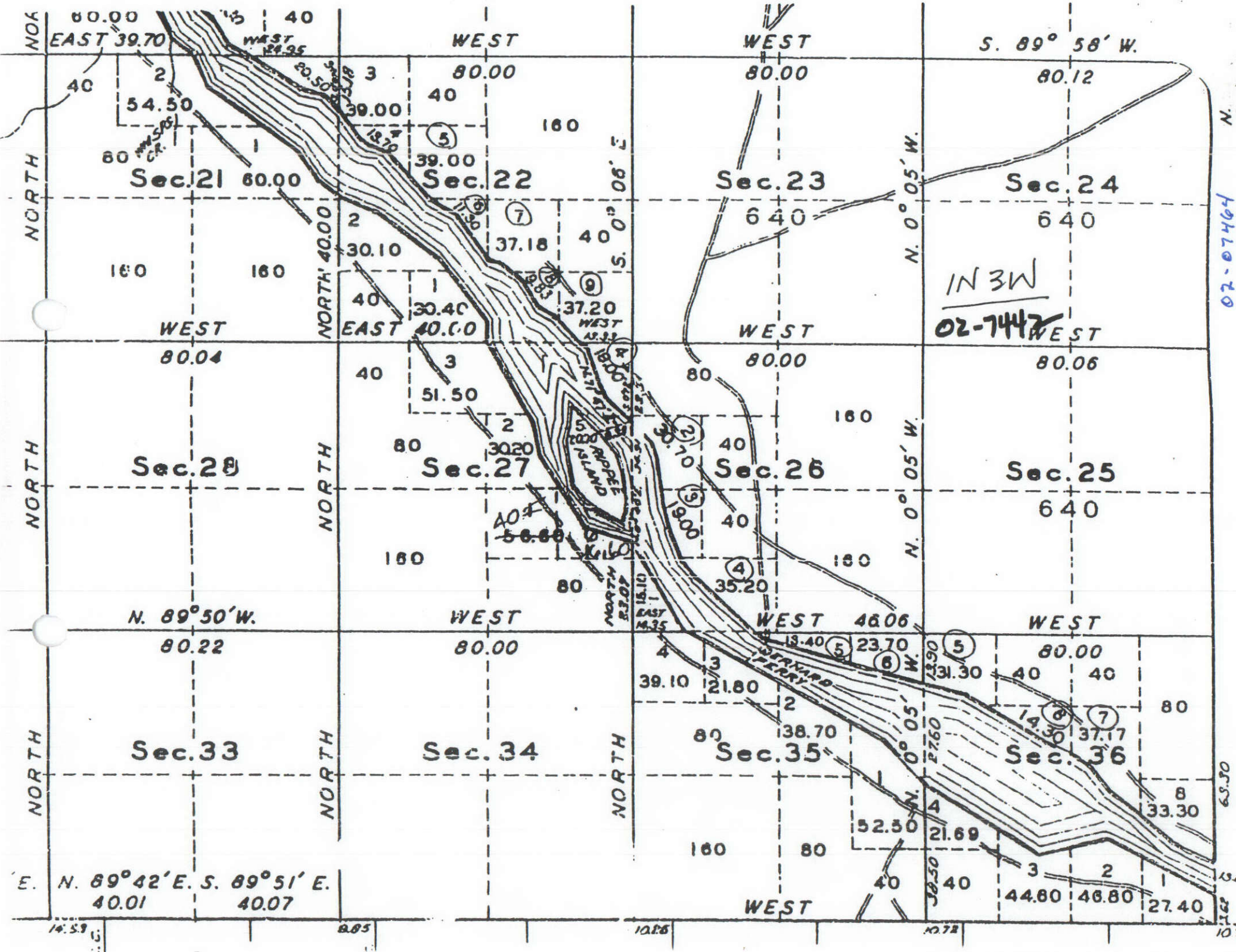
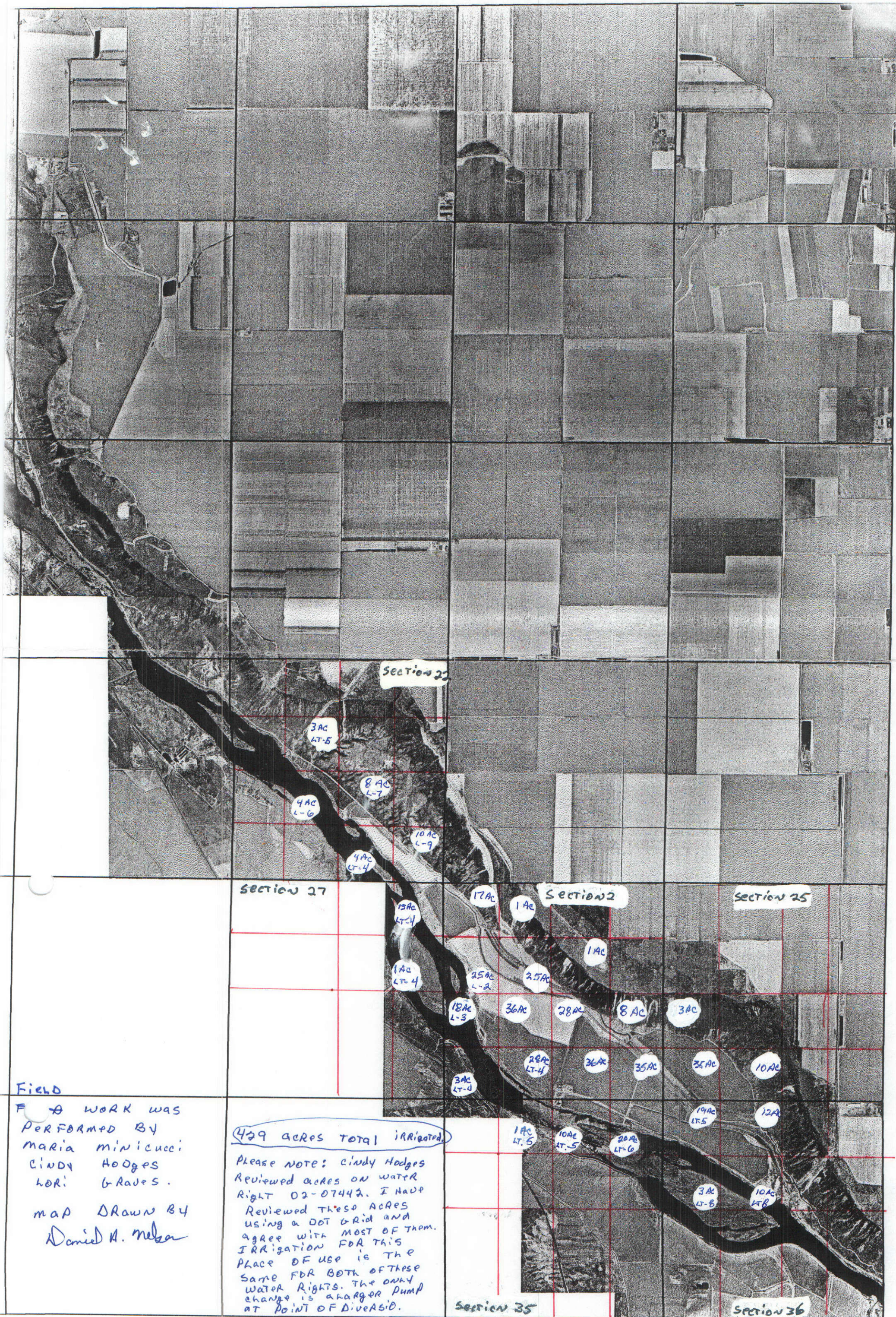










2423
27/26

02-7442

FROM CANYON ASCS
C & T Ranches
Sections 35, 36, 26, 25
1N 3W
(Canyon Co.)

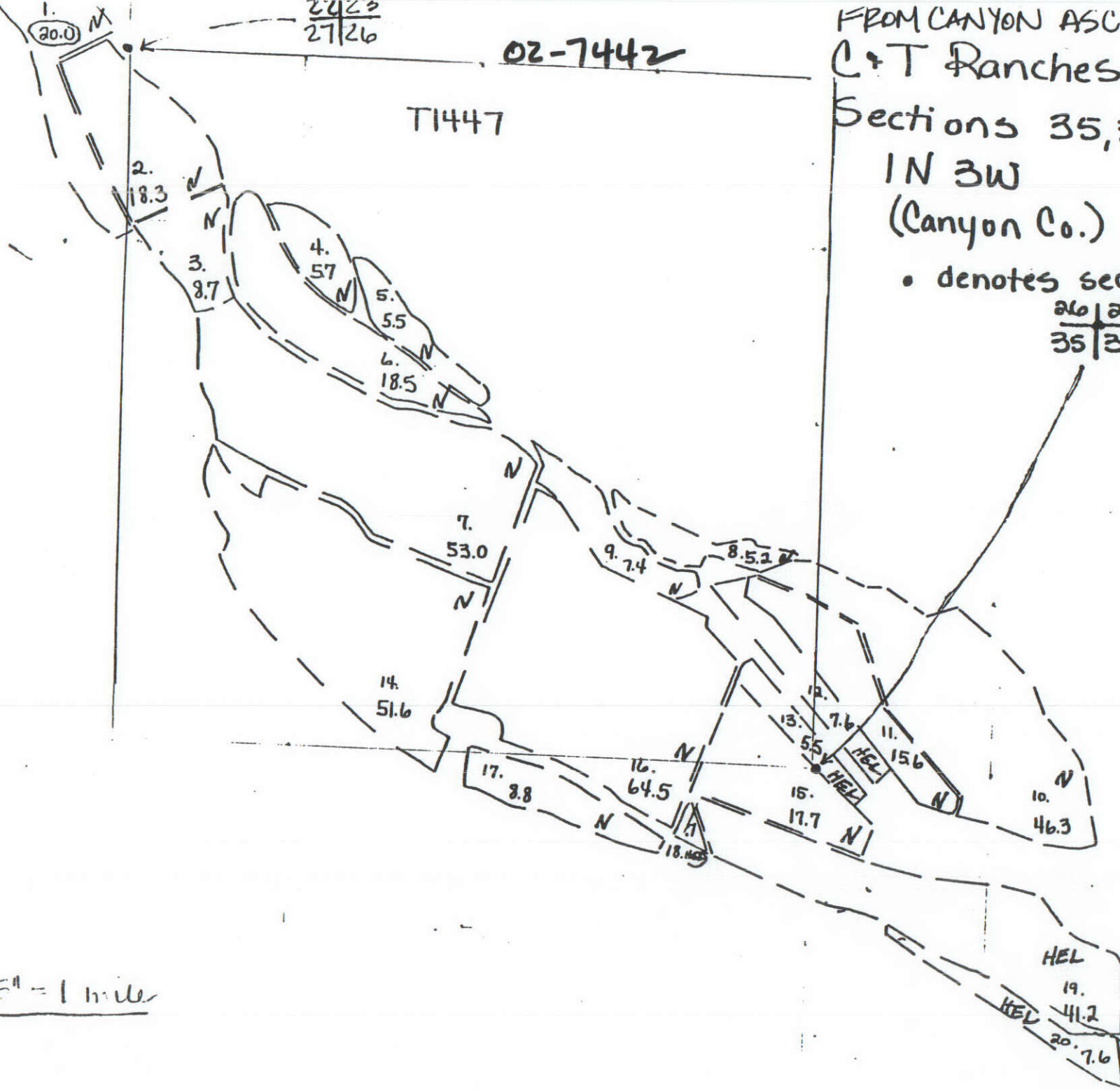
• denotes section mark

26 | 25
35 | 36

02-07464

T1447

5" = 1 mile



8/1/77

SECTION 8100
CURVE NO. 18-186LAYNE & BOWLER, INC.
MEMPHIS, TENN. 38108

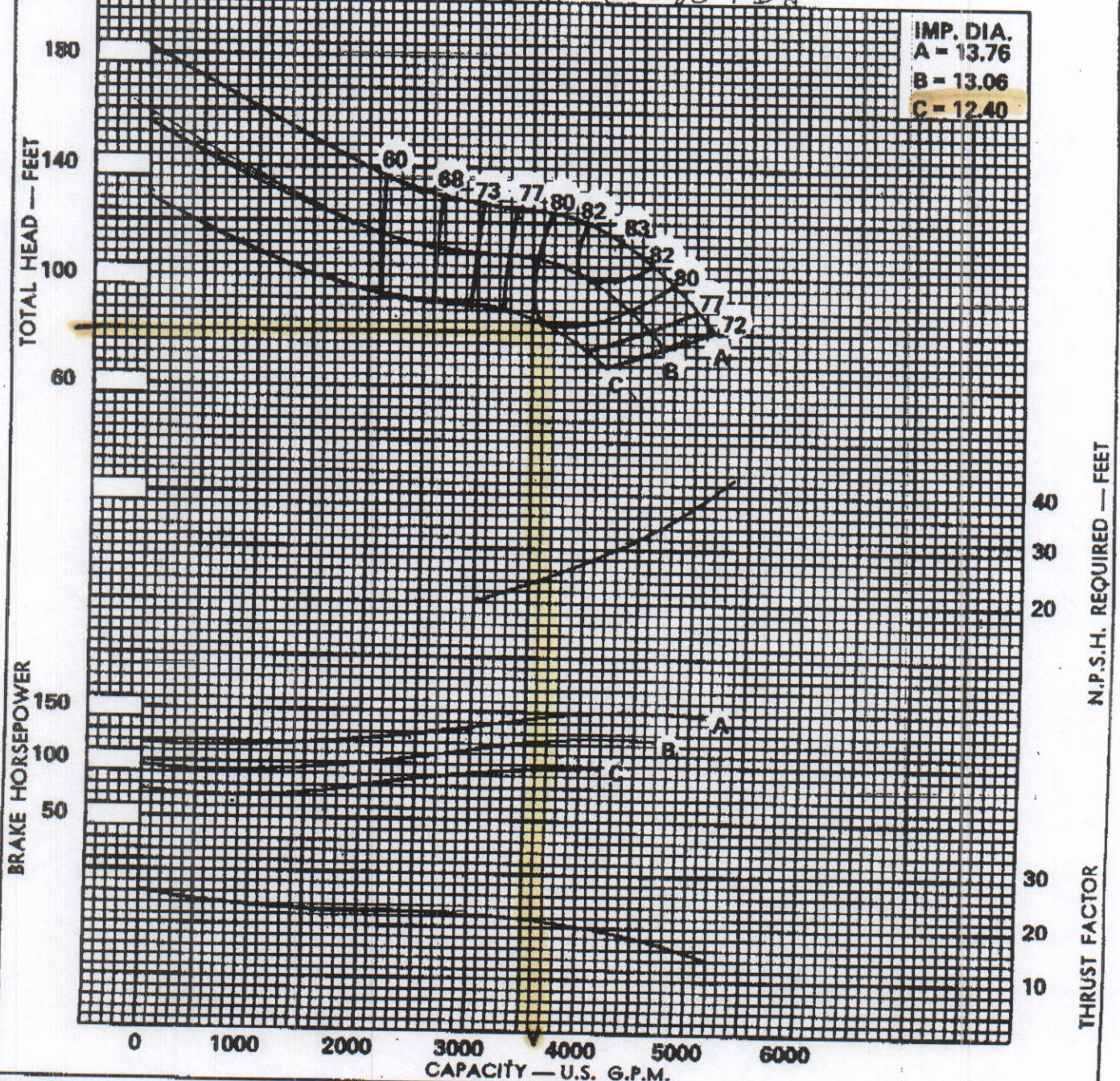
No. Stages	Eff. Change	MATERIAL	Eff. Change
1	0	IMP.—C.I.	-1
2		IMP.—NI-R1	-1
3		BOWL—BRZ.	0
4		BOWL—NI-R.	0

18 RKHC

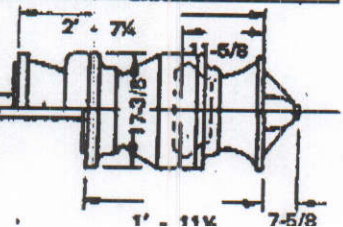
1770 R.P.M.

SINGLE STAGE LAB PERFORMANCE WITH STANDARD MATERIALS. EFFICIENCY SHOWN FOR 1 OR MORE STAGES. HORSE POWER SHOWN FOR ONE STAGE BASED ON 1 STAGE EFFICIENCY. CORRECTIONS SHOULD BE MADE FOR STAGES AND MATERIAL.

ONE (1) TRIM 12.60"
STAGE STAGES 3600 GPM - 4000 GPM @ ± 80 TDH



EYE AREA — SQ. IN. = 59.8	IMPELLER WT.-LBS. = 62.5
WR ² PER IMPELLER = 7.8 LB.-FT. ²	ONE STAGE WT.-LBS. = 800
MAX. SPHERE SIZE = 1.06 in.	ADD'L STAGE WT.-LBS. = 380
MAX. NO. STD. STAGES = 4	IMPELLER NUMBER = BRK37
MAX. OPERATING P.S.I. = 390	DISCH. SIZES = 12.14
STD. LATERAL = 0.56 in.	SUCTION SIZES = 14
STD. SHAFT DIA. = 2.187 in.	MAX. LATERAL = 1.00 in.
MAX. SHAFT DIA. = 2.437 in.	BOWL CONN. FLANGED
MIN. SUBMERGENCE = 48 in.	

ENCLOSED
LINE SHAFTOPEN
LINE SHAFT

02-07464

02-07464

T. Trinicucci

11/26/1997



TINR3W 536
SWNE

POINT OF DIVERSION

Pump station is
shared with other
pumps, but this
is the only pump
for 02-07464,
Same diversion
as 02-07442



Measurement
location.

Pump station
is in
background.

02-07464

T.T. Iucci

11/26/1997



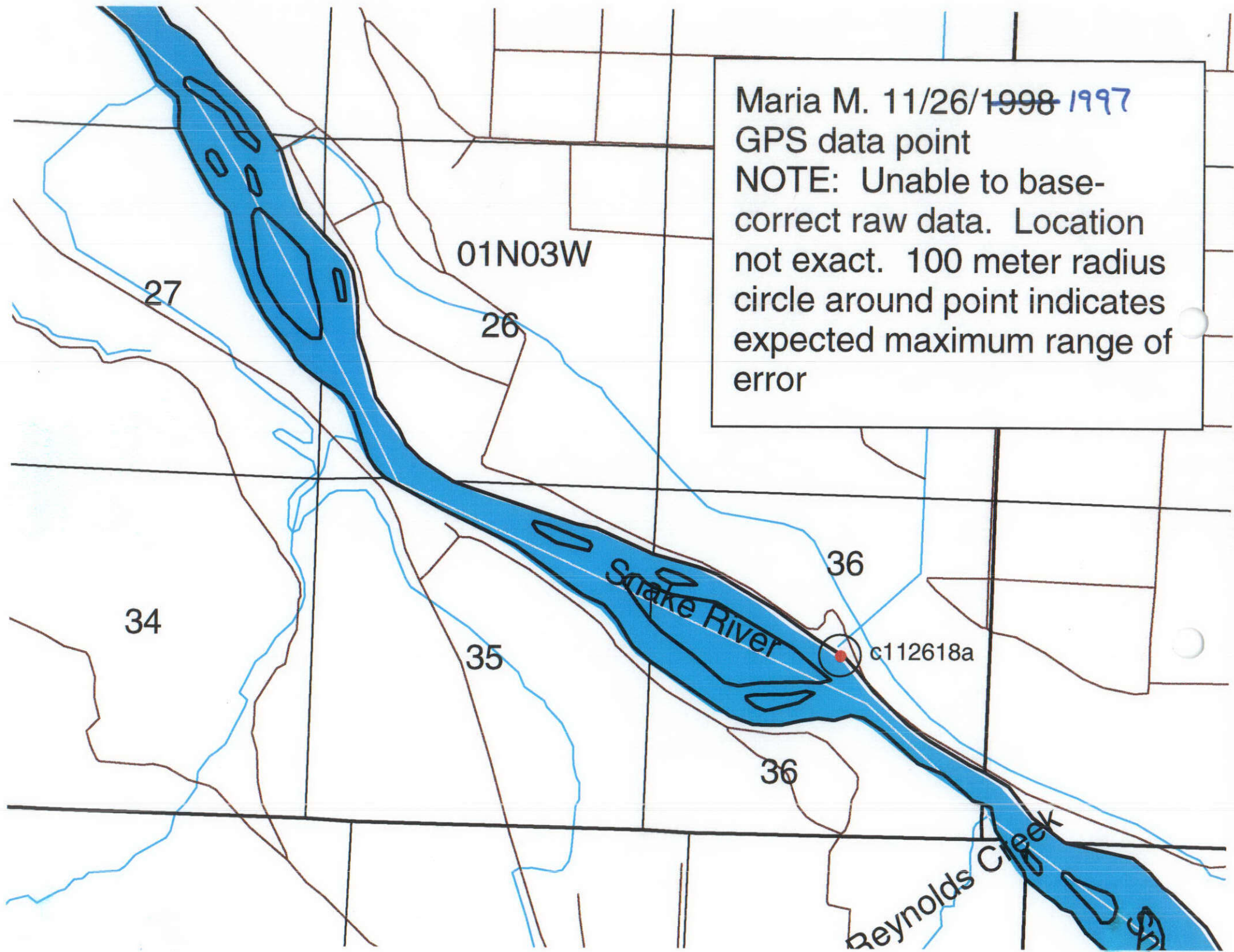
TIN R3W S36

Pump STATION ON SNAKE RIVER, STATION SHARED
WITH OTHER USERS, ALTHOUGH pump IS NOT
shared (other than 02-07442, same owner, same lands)

Maria M. 11/26/~~1998~~ 1997

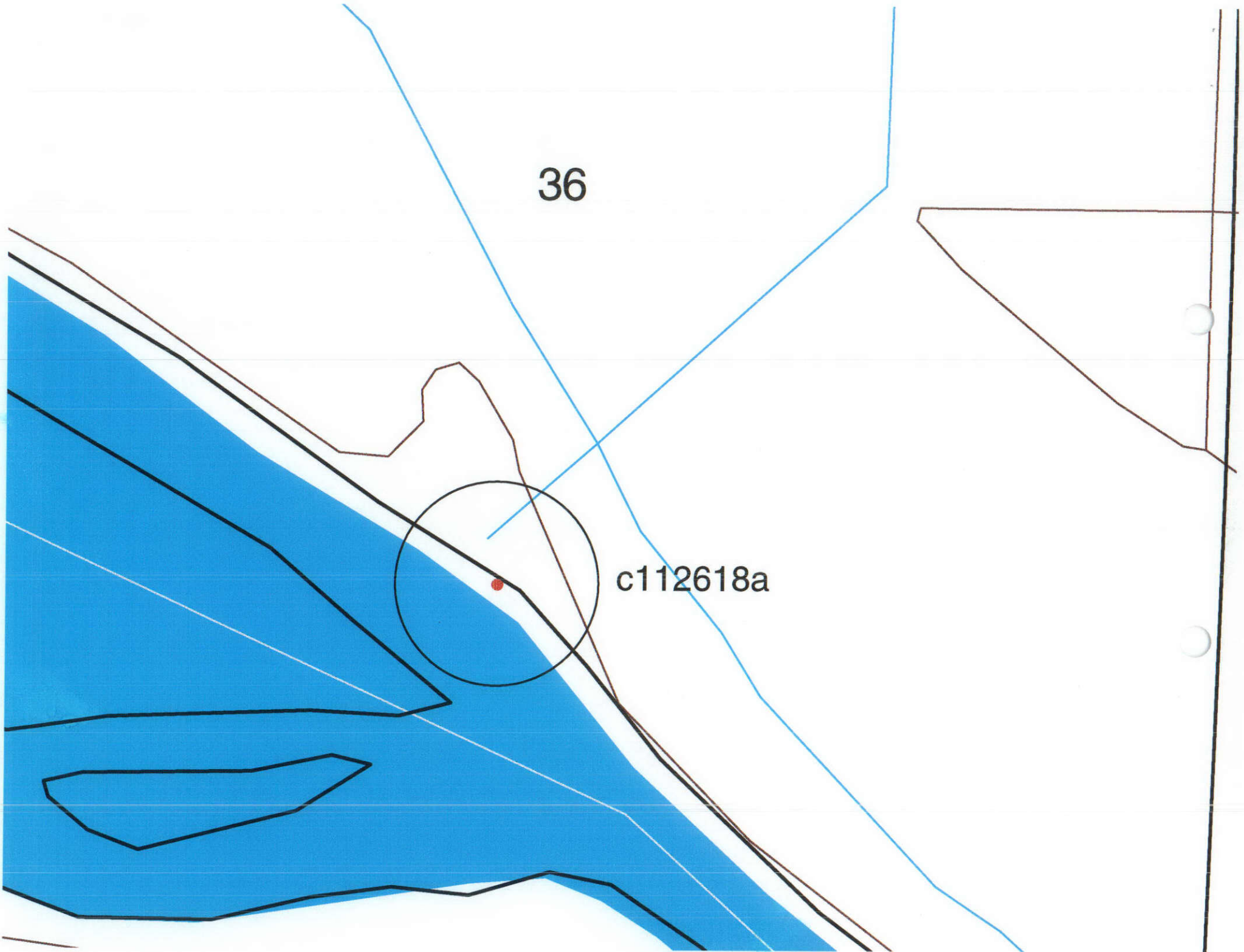
GPS data point

NOTE: Unable to base-correct raw data. Location not exact. 100 meter radius circle around point indicates expected maximum range of error

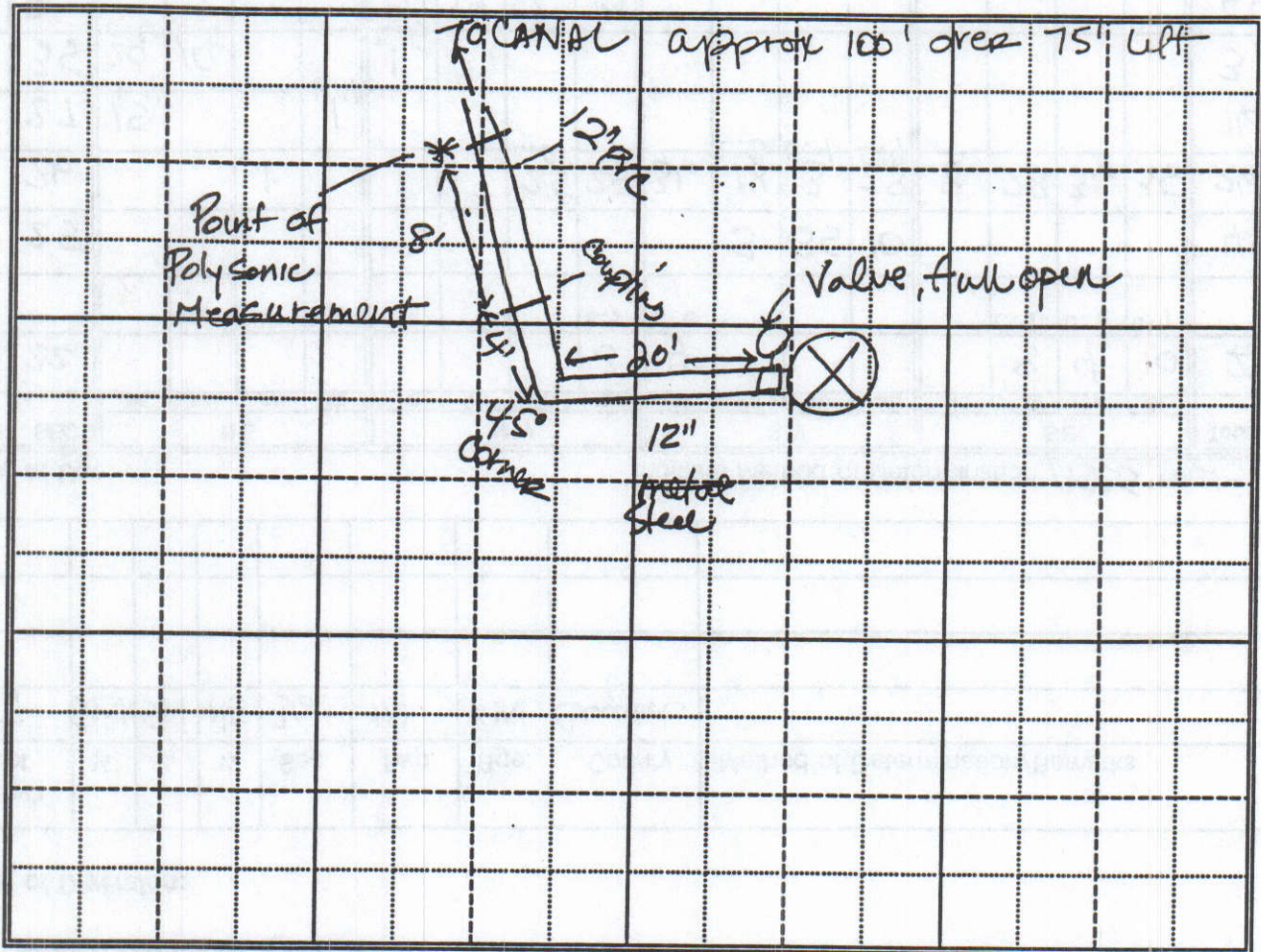


36

c112618a



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
1	GE	75	HN1817392	Layne	12"

*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
Polysonic						

2. Measurements: Poly- wall thickness .423 (PVC)
 Circumference 3' 4.5" = 40.5" = 3.375'
 Spacing = 9.950 in.

Gilberts
Hot Springs

BM
2266

02-7442
IN3W

HL - handline
sets
→ direction of
flow, gravity
sets

23

42 30"

24

25

SCALE 1:24,000

406

405

404

40300' N

43° 22' 30"

T. 1 N

31

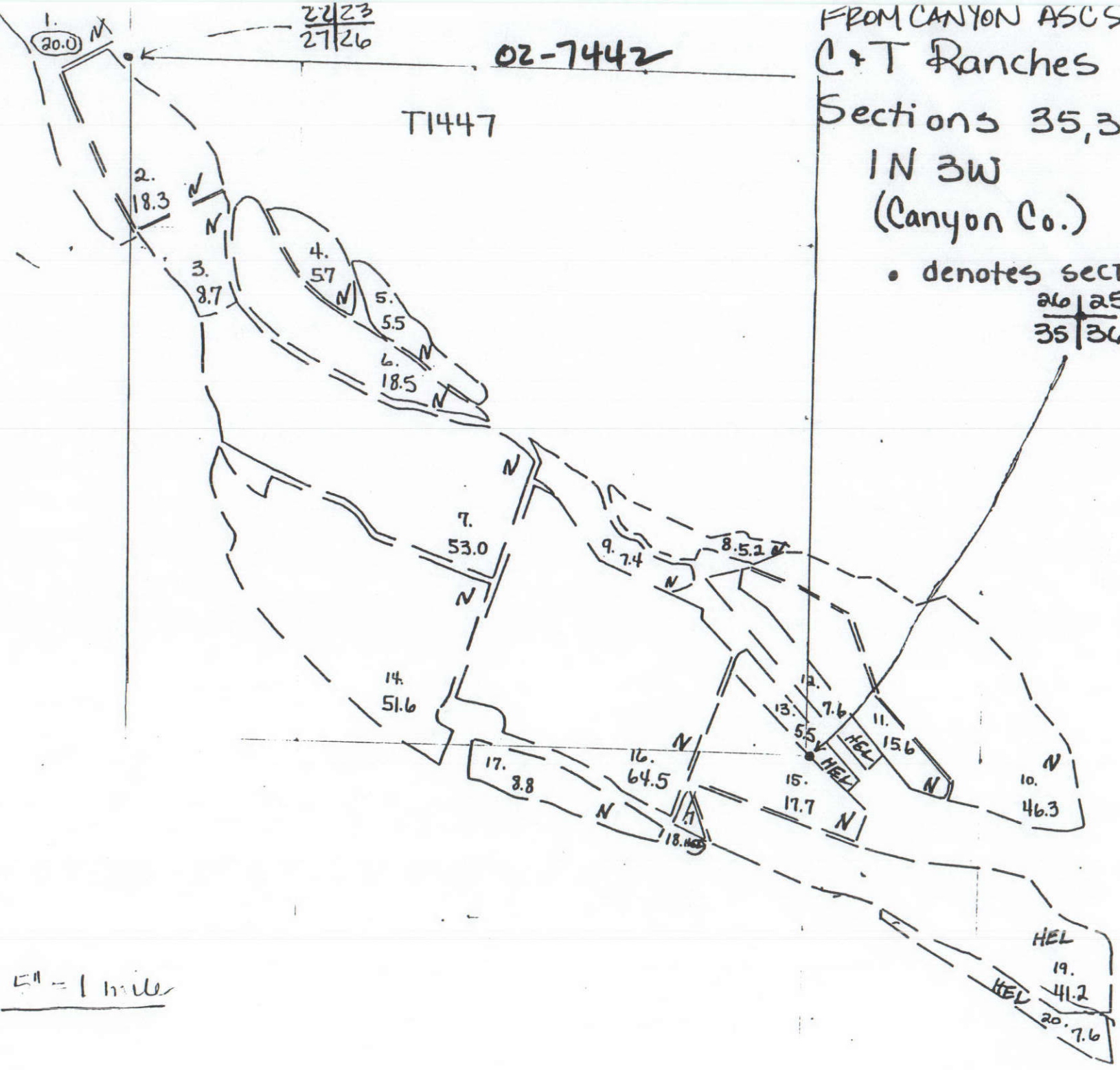
$\frac{22}{27} \frac{23}{26}$
 02-7442
 T1447

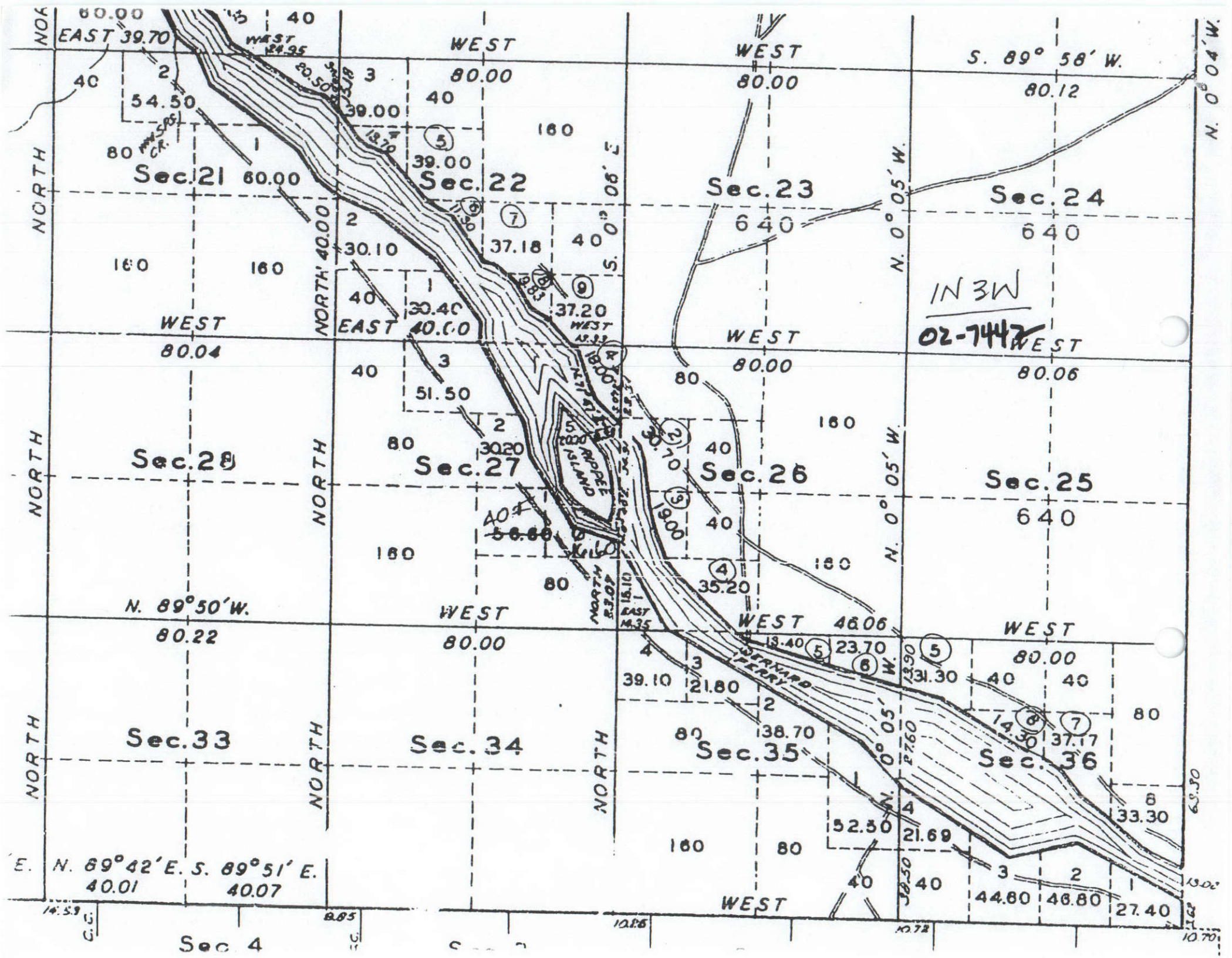
FROM CANYON ASCS
 C & T Ranches
 Sections 35, 36, 26, 25
 1N 3W
 (Canyon Co.)

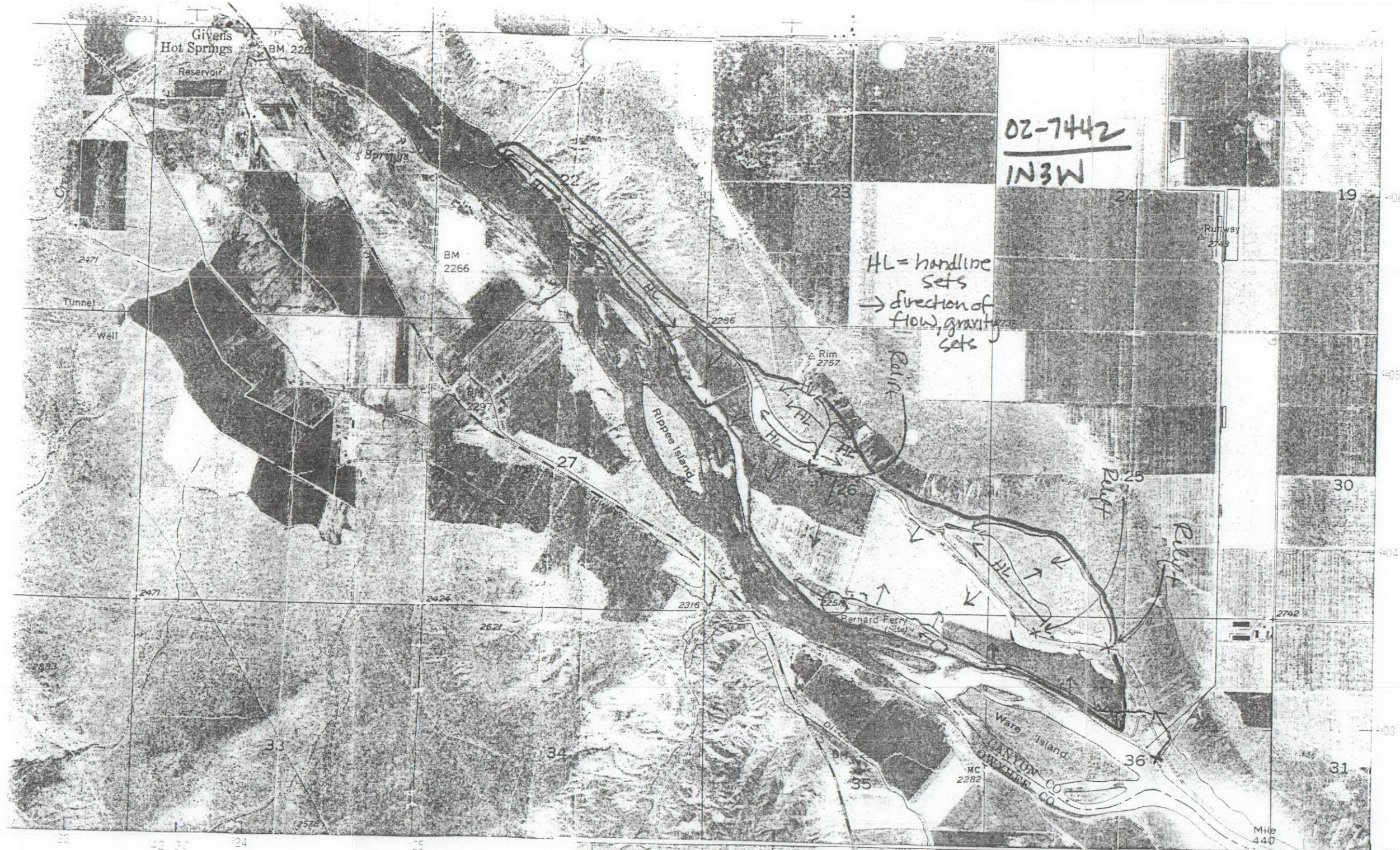
• denotes section marker

$\frac{26}{35} \frac{25}{36}$

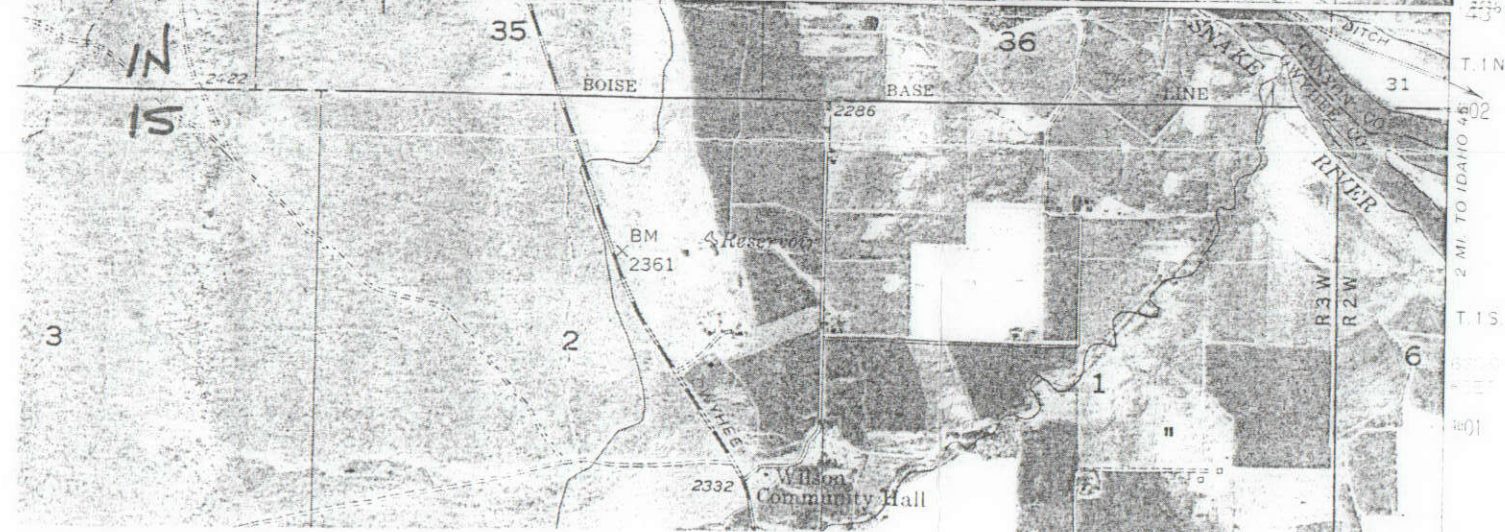
1" = 1 mile







POW map
from BLU EXAM
02-07442

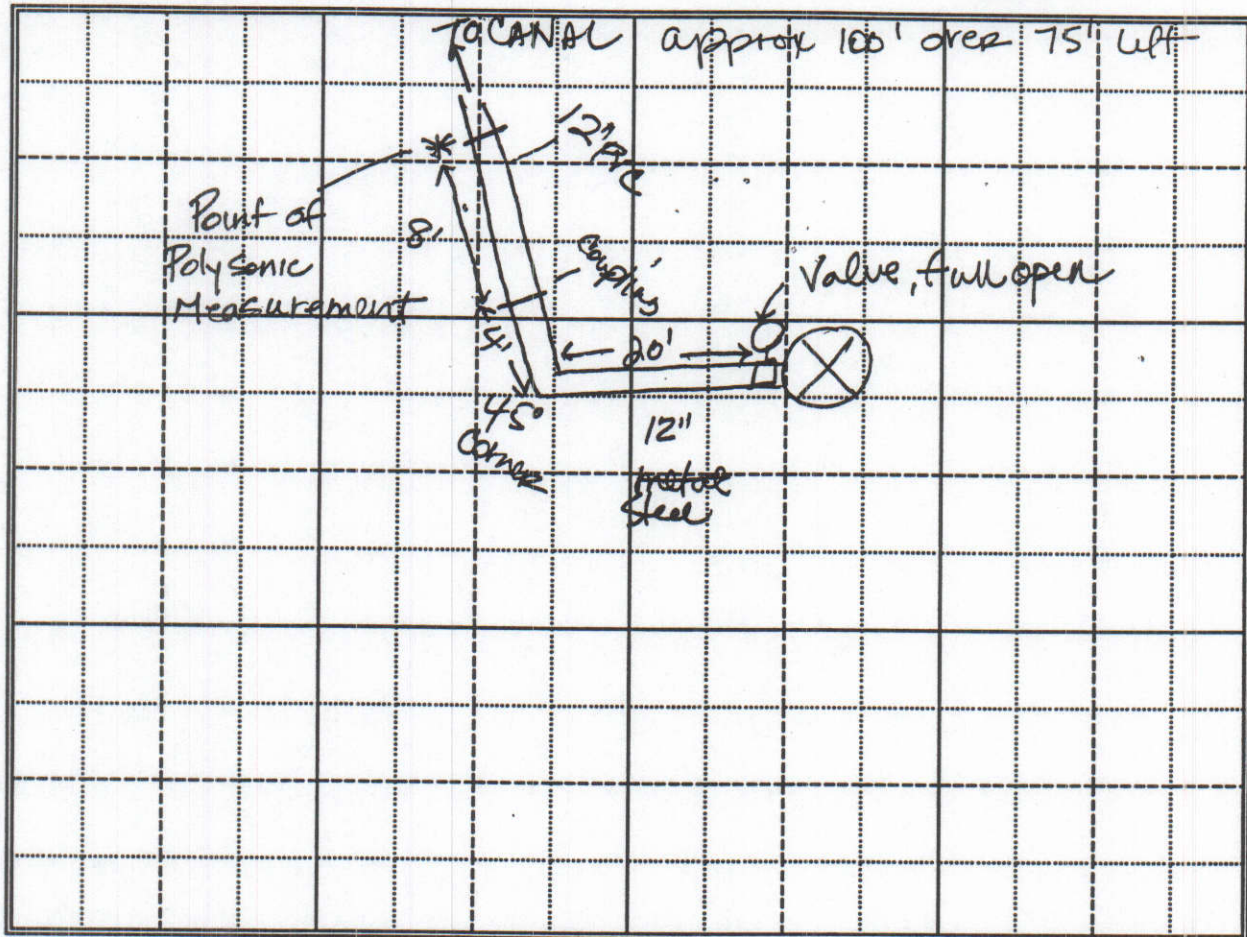








3. Delivery System Diagram: Indicate all major components and distance between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = NTS

Copy of USGS Quadrange 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

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Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
1	GE	75	HLJ817392	Layne	12"

*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
Polysonic						

2. Measurements: Poly- wall thickness .423 (PVC)
Circumference 3' 4.5" = 40.5" = 3.375'
Spacing = 9.950 in.

Givens
Hot Springs

Reservoir

BM 2266

BM
2266

02-7442
IN3W

HL = handline
sets
→ direction of
flow, gravity
sets

Rippee Island

Rim
2757

Bernard Ferry
(State)

WC
2282

Mile
440

SCALE 1:24,000

IN

BOISE

BASE

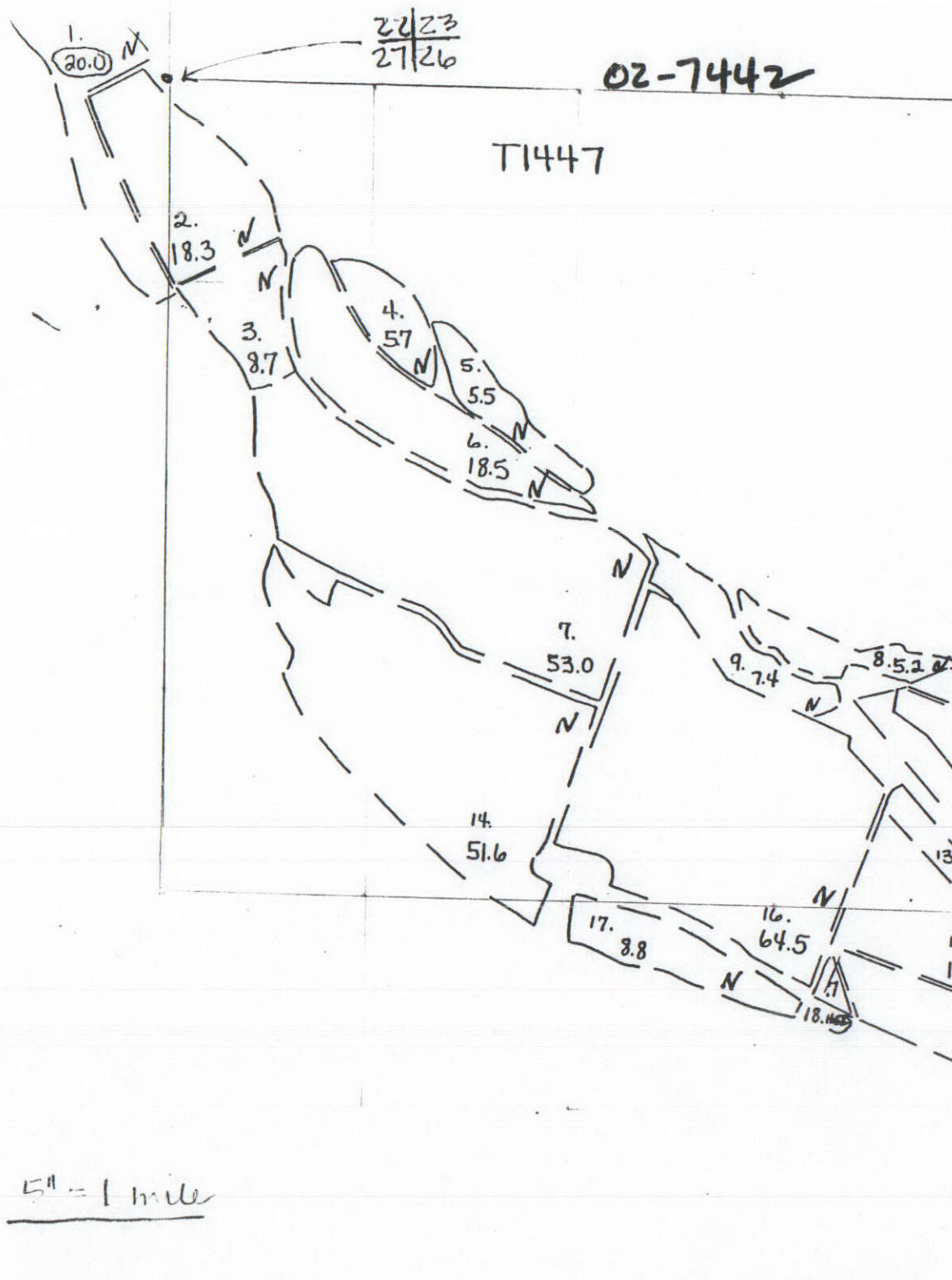
NET

DITCH

43° 22' 30"

T.1N

402



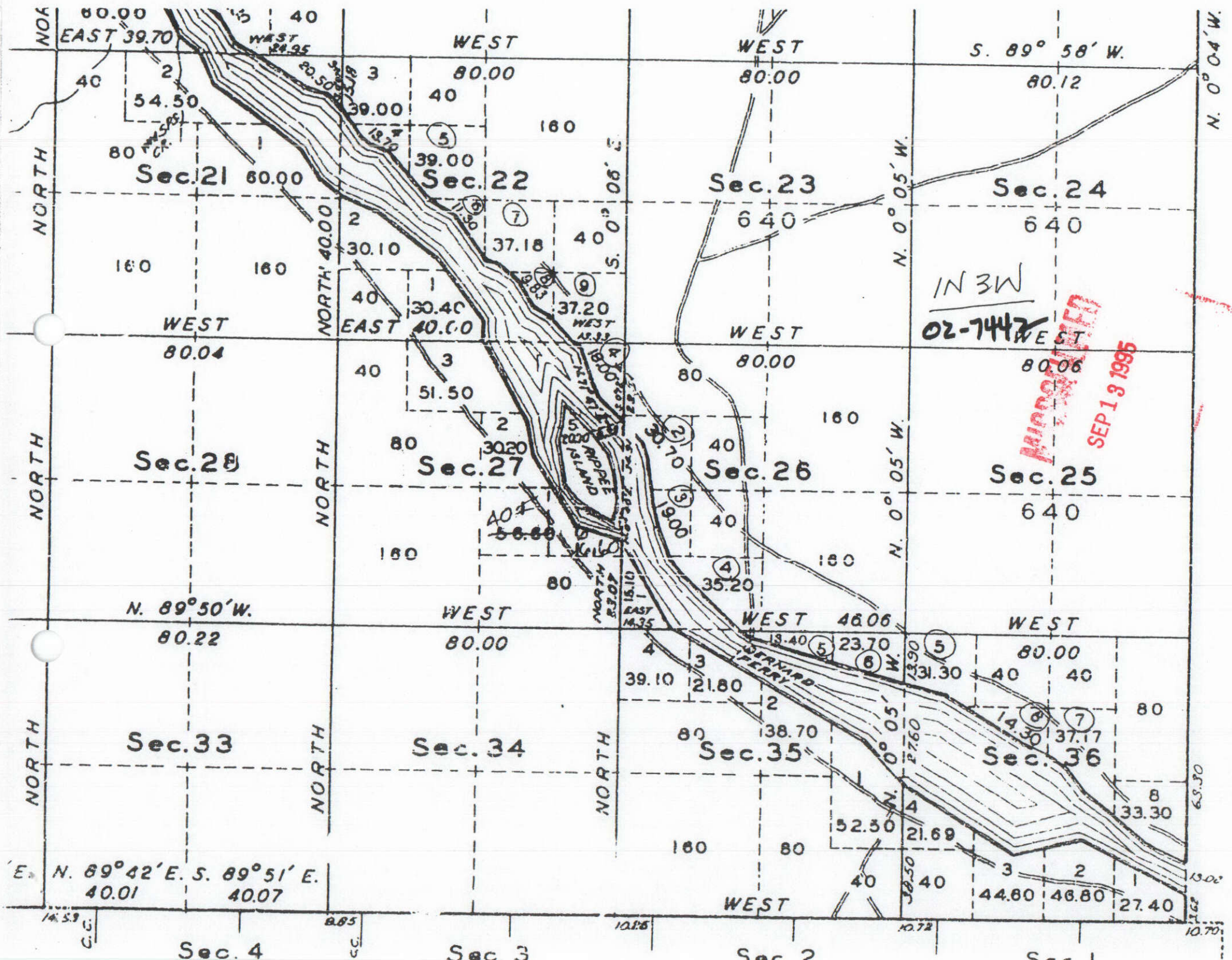
FROM CANYON ASCS
C & T Ranches

Sections 35, 36, 26, 25
1N 3W
(Canyon Co.)

• denotes section marker

26 | 25
35 | 36

5" = 1 mile



have copy @ western cjl

FOR OFFICE USE ONLY
Amt. of Fee \$: 250
Receipt No. W021052
Receipt By: OK
Date Received: 6/19/96

RECEIVED

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED

JUN 19 1996

JUN 21 1996

WATER RESOURCES
WESTERN REGION

PROOF OF BENEFICIAL USE

Department of Water Resources

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 02-07464 Telephone No. 208-888-1593

2. Name(s) of Permit Holder(s): THOMAS T. NICHOLSON

3. Mailing Address: P.O. BOX 690, MERIDIAN, ID 83680-0690

4. Source of Water: SNAKE RIVER If GROUNDWATER (well), Date Drilled: mo. / yr.

a. Well Driller: NA Drilling Permit Number: NA - -

b. **OPTIONAL:**

Pump Horsepower: 100 Pressure (psi): Dynamic pumping level (ft):

5. Use(s) (as authorized by the water right permit):

Domestic (No. of households): Stockwater (No. and type of stock): 500 HD. CATTLE

Irrigation (No. of acres): 429.0 Other:

6. Total rate of diversion and/or volume for which proof is submitted: 6.91 cfs OR acre feet

7. Measuring Device Requirement: (refer to the approval conditions on your permit and respond accordingly)

(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device: Is a measuring device required? Yes or No X
Has the measuring device been installed? Yes or No X

Flow Measurement Port: Is a flow measurement port required? Yes or No X
Has the measurement port been installed? Yes or No X

8. Fee Enclosed: \$ 250 (See Fee Schedule on back of the instructions for filing proof of beneficial use)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: THOMAS T. NICHOLSON Telephone Number: 208-888-1593

Address: 700 W. OVERLAND RD. (MTN VIEW EQUIPMENT) MERIDIAN, ID 83642

10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the State of Idaho.

Signature of permit holder: Tom Nicholson Date: 6/18/96
(include your title, if on behalf of company or organization)

AUG 07 1996

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 02-07464

Proposed Priority: May 25, 1995 Maximum Diversion Rate: 6.91 CFS

This is to certify, that **THOMAS T NICHOLSON**

PO BOX 690

MERIDIAN ID 83642-0690

has applied for a permit to appropriate water from:

SNAKE RIVER

tributary of **COLUMBIA RIVER**

and a permit is **APPROVED** for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
IRRIGATION	03/15 to 11/15	6.91 CFS
STOCKWATER	01/01 to 12/31	0.12 CFS
Totals		6.91 CFS

LOCATION OF POINT(S) OF DIVERSION: Lot 7(SWSWNE), Sec. 36, Township 01N, Range 03W
CANYON County

PLACE OF USE: IRRIGATION

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
01N	03W	22	Lot 5(SENW) 3.0	Lot 6(NESW) 4.0	Lot 7(NWSE) 8.0	
			Lot 8(SWSE) 4.0	Lot 9(SESE) 10.0		29.0
		25	NWSW 3.0	SWSW 35.0	SESW 10.0	48.0
		26	SWNE 1.0	NENW 1.0	NWNW 17.0	
			Lot 2(SWNW) 25.0	SESW 25.0	NESW 36.0	
			Lot 3(NWSW) 18.0	Lot 4(SWSW) 3.0	Lot 4(SESW) 28.0	
			NESE 8.0	NWSE 28.0	SWSE 36.0	
			SESE 35.0			261.0
		27	Lot 4(NENE) 15.0	Lot 4(SENE) 1.0		16.0
		35	Lot 6(NENE) 20.0	Lot 5(NWNE) 10.0	Lot 5(NENW) 1.0	31.0
		36	NENW 12.0	Lot 5(NWNW) 19.0	Lot 8(SWNW) 3.0	
			Lot 8(SENW) 10.0			44.0

Total number of acres irrigated: 429.0

PLACE OF USE: STOCKWATER, same as IRRIGATION use

CONDITIONS OF APPROVAL AND REMARKS

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **September 1, 1998**.
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.

SEP 13 1995

State of Idaho
Department of Water Resources**Permit To Appropriate Water**

NO. 02-07464

CONDITIONS OF APPROVAL AND REMARKS

4. After specific notification by the department, the right holder shall install a suitable measuring device or shall enter into an agreement with the department to determine the amount of water diverted from power records and shall annually report the information to the department.
5. The right shall not be assigned or sold without first securing the written approval of the Department of Water Resources.
6. The rate of diversion of water for irrigation under this right and all other water rights on the same land shall not exceed 0.02 cubic feet per second for each acre of land.
7. The issuance of this right does not grant any right-of-way or easement across the land of another.
8. Stockwater use is for 500 range cattle.
9. Water shall not be diverted, under this right, when flows in the Snake River are below established minimum flow amounts at any of the following locations: Weiser, 4750 cfs; Johnson Bar, 5,000 cfs; Lime Point 13,000 cfs.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.
Witness the signature of the Director, affixed at Boise, this

28th day of August, 1995.

Karl J. Dreher
for Karl J. Dreher, Director

JUL 28 1995

Ident. No. 02-07464

RECEIVED

MAY 25 1995

WATER RESOURCES
WESTERN REGION

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name: THOMAS T NICHOLSON
Address: PO BOX 690
MERIDIAN ID 83648

208-888-1593

2. Source: SNAKE RIVER Trib. to: COLUMBIA RIVER
3. Location of Point of Diversion: Lot 7 (SWSWNE), Sec. 36, Township 01N, Range 03W
CANYON County

4. Water will be used for the following purposes:

Purpose	From	To	CFS	(or)	AF
IRRIGATION	03/15	11/15	6.910		
STOCKWATER	01/01	12/31	0.120		

5. Total quantity to be appropriated is:
6.910 CFS (and/or) AF

6. Proposed diverting works:

- Description of ditches, flumes, pumps, headgates, etc.
PUMP IN SNAKE RIVER, PENSTOCK TO EXISTING CANAL, GRAVITY FLOW.
- Height of storage dam feet; active reservoir capacity
acre-feet; total reservoir capacity acre-feet; period of
year when water will be diverted to storage: to inclusive.
- Proposed well diameter is inches; proposed depth of well is
feet.
- Is groundwater with a temperature greater than 85F being sought? NO
- If well is already drilled, when?
Drilling Firm
Well was drilled for

7. Time required for the completion of the works and application of
the water to the proposed beneficial use is 3 year(s).

8. Place of Use: IRRIGATION

TWN	RGE	SEC	ACRES	ACRES	ACRES	TOTAL
01N	03W	22	Lot 5 (SENW) 03	Lot 6 (NESW) 04	Lot 7 (NWSE) 08	
			Lot 8 (SWSE) 04	Lot 9 (SESE) 10		29
	25		NWSW 03	SWSW 35	SESW 10	48
	26		SWNE 01	NENW 01	NWNW 17	
			Lot 2 (SWNW) 25	SENW 25	NESW 36	

SEP 13 1995

Place of Use: IRRIGATION

TWN	RGE	SEC		ACRES		ACRES		ACRES	TOTAL
			Lot 3 (NWSW)	18		Lot 4 (SWSW)	03		
			NESE	08		NWSE	28		
			SESE	35					
						Lot 4 (SESW)	28		
						SWSE	36		
									261
27	Lot	4 (NENE)	15		Lot 4 (SENE)	01			16
35	Lot	6 (NENE)	20		Lot 5 (NWE)	10		Lot 5 (NENW)	01
									31
36		NENW	12		Lot 5 (NWNW)	19		Lot 8 (SWNW)	03
	Lot	8 (SENW)	10						44

Total number of acres irrigated: 429

Place of Use: STOCKWATER, same as IRRIGATION use

9. a. Who owns the property at the point of diversion?
MARK McDONOUGH
- b. Who owns the land to be irrigated or place of use?
APPLICANT
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing.
LEASE AND EASEMENT AGREEMENT (SEE 02-07442)

10. Remarks:

The volume of water for irrigation under this permit shall not exceed more than 5 Acre Feet per acre per year.
The permit holder is not authorized to divert water under this permit at any time when the flow of the Snake River is below the established minimum stream flow of 4,750 cubic feet per second at the Weiser gauge.
Stockwater use is for 500 range cattle.

11. Map of proposed point of diversion and place of use attached? []

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Tom Nicholson
Applicant

Received by VR Date 5-25-95 Time 11:30 am Preliminary check by _____

Fee \$ 220.00 Receipted by VR # W019228 Date 5-25-95

Publication prepared by AT Date 6-14-95 Published in Post-Tribune

Publication approved _____ Date 7-10-95

RECEIVED
SEP 13 1995

Comments: Date: 5/ 10/ 1995 User-ID: CHODGES

Subject:

ADDITIONAL FILING, P/D OVERLAP, EXCESSIVE RATE OF FLOW

This right filed to appropriate additional flows beyond those developed under 02-07442 on same acres. Per B/U exam on 02-07442 the developed flow at the pumping station is 5.51 cfs. This amount has been recommended for 02-07442. Applicant will upgrade the system under this right to divert as much as 12.42 cfs combined flows. Flows in excess of allowable diversion for 429 acres ($12.42 - 8.58 = 3.84$ cfs) have been shown in the previous filing as appropriate for conveyance losses using the Moritz equation (see copy attached to file). System discharges into open canal. Other rights used on same acres are from other sources.

MICROFILMED
SEP 13 1995

BM 2266

BM
2266

02-7442/07
IN3W

P/U
HL = handline
sets
→ direction of
flow, gravity
sets

1995

Mile
440

[illegible]

2. Place(s) of Use:

Indicate Method

Determination same as P/D

TWP	RGE	SEC	N E				N W				S W				S E				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01N	03W	22								03	04					08	04	10	29
01N	03W	25										03	35	10					48
01N	03W	26			01		01	17	25	25	36	18	03	28	08	28	36	35	261
01N	03W	27	15			01													16
01N	03W	35	20	10			01												31
01N	03W	36					12	19	03	10									44
																			TOTAL
																			429.0

PLEASE NOTE: The stockwater portion of this permit utilizes the same system as the irrigation and has the same place of use.

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

SEE ATTACHED SHEET.

YES Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

YES Aerial Photo Attached (required for irrigation of 10 + acres).

YES 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
P/D	US ELECTRICAL	100 Hp	R-9981-00-888 R2100531	NOT KNOWN	12.75 " PVC PIPE

*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
THYME FLYTE	POLYSONIC	N/A	TFP	N8J4626	N/A	NOT KNOWN

02-7464

2. Measurements: Measurements were done by Cindy Hodges, Maria Minicucci, and Lori Graves using the Polysonic Flow meter. There is also a Pump Curve that shows a similar diversion rate. I believe that the polysonic reading is within +/- 5% accuracy.

E. NARRATIVE/REMARKS/COMMENTS

This field exam was examined by Cindy Hodges, Maria Minicucci, and Lori Graves on 11/26/1997 and written up by Dan Nelson in January of 1999. Cindy Hodges performed a field exam on water right number 02-07442 on 07/14/1994. Water right 02-07442 was for the same place of use and the same point of diversion. In the field notes the owner stated that he has not added any new acres to the original place of use and the only difference between these two water rights is that he has changed the pump for these two water rights from a 75 Hp pump to a 100 Hp pump. The field notes reflect that the change in pump size was the only actual change in the system or place of use. The old 75 Hp pump diverted 5.51 cfs and the new pump diverts 8.15 cfs, a 2.64 cfs increase of diversion rate. Therefore this license should be recommended for diversion rate of 2.64 cfs and maximum capacity of the system of 8.15 cfs.

According to the Field notes and Cindy Hodges previous exam the pump diverts water from the Snake River through a 12.75" PVC pipe to an open channel canal for irrigation. The irrigation from the canal is both gravity flow and through pressurized relift pumps to handline sprinklers. The canal also carries groundwater and waste water from other overlapping water rights listed below.

Acreage was determined using an ASCS overlay of 409 of the acres irrigated. Another 20 acres was added to this number to account for the acres not shown on the ASCS overlay. The acre amounts were determined originally by Cindy Hodges on License # 02-07442. Dan Nelson then reviewed these amounts using a dot grid to verify acre amounts and determined that both acre amounts were fairly close.

There are a number of Point of Diversion overlaps listed on this permit. However, there are multiple pumps diverting from the same location on the Snake River, but the pump for 02-07464 and 02-07442 is used specifically for these 2 water rights and no other water rights are pumped through this pump.

F. FLOW CALCULATIONS

YES Additional Computation Sheets Attached

Measured Method:

THYME FLYTE POLYSONIC METER = 8.15 CFS (See attached sheet for details)

PUMP CURVE = 3600 GPM / 448.8 = 8.02 CFS (See attached sheet for details)

The Thyme Flyte Polysonic meter gave a reading very consistent with the pump curve, which shows a probable accuracy of +/- 5%. The actual measurement should be used over the pump curve since the pump curve has a greater margin of error.

The total diversion rate for this permit is the above maximum capacity minus the diversion rate from water right 02-07442. The allowable diversion rate for this permit is 8.15 cfs - 5.51 cfs = 2.64 cfs allowable diversion rate.

STOCKWATER DIVERSION RATE = 500 HD = .14 CFS (per table 6, annual use of water for stockwater purposes, in Field Examiner's Handbook)

G. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 429 \times 4.5 = 1930.5 \text{ acre feet}$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 2.64 \times 246 \times 1.9835 = 1288 \text{ acre feet}$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1288 \text{ annual acre feet of water.}$

B

2. Volume Calculations for Other Uses:

500 head of range cattle X 12 gpd X 365 days / 325850 = 6.7 afa

H. RECOMMENDATIONS**1. Recommended Amounts**

Beneficial Use	Period of Use From To	Rate of Diversion Q (cfs)	Annual Volume V (afa)	
IRRIGATION	03/15 11/15	2.64 CFS	1288 AFA	
STOCKWATER	01/01 12/31	.14 CFS	6.7 AFA	

Totals: 2.64 CFS 1294.7 AFA

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 Daniel A. Nelson Date 03-29-99

Reviewer _____ Date _____

SEAL

02-07464

All overlapping water rights shown under place of use section of this permit are used on some and/or all of the acres described for this permit. These water rights consist of wastewater rights and groundwater sources. All of these sources use the same canal the pump diverts into to transport the water to the place of use. Since the overlapping water rights are based on waste water and artisan wells for the water used. It is reasonable to license this permit for supplemental water when the other sources are not available in reasonable amounts. Any water not used in the canal is returned to the river within the place of use approximately 1 to 2 miles downstream of the point of diversion.

There is no mention of stockwater in the field notes of this permit or in the field notes of license 02-7442. I telephoned the owner to determine if he actually does use this place of use to graze livestock. Mr. Thomas said that he runs approximately 500 head of range cattle on the ranch when he plants corn, grains, or other crops that provide enough carry over feed to winter his cattle at the ranch. He uses the same ditch and canal system used for irrigation, so the place of use for stockwater would be the same as the place of use for irrigation. Mr. Nicholson did say that he only runs cattle on this ranch during the non-irrigation times. However, the stockwater portion of this permit should be licensed for a year round season of use of 11/16 to 03/14 to, since incidental stockwater could happen during the irrigation season. Please reference attached telephone communication document for further information.

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

02-02464

TELEPHONE COMMUNICATION DOCUMENTATION

PERMIT NUMBER 02-07464

IDWR EMPLOYEE/AGENT: DAN NELSON

DATE: 01/04/1999

PERSON CONTACTED: Thomas Nicholson

PHONE: (208) 888-1593

MAILING ADDRESS: P.O. BOX 690, MERIDIAN, IDAHO 83680-0690

RE: QUESTION ON STOCKWATER USE PORTION PERMIT

On this date Mr. Nicholson contacted me to determine what needed done to complete the licensing of permit # 02-07464. I told him that the stockwater had not been addressed during the field examination and that I would need to look into this situation further before I could do my recommendations for licensing.

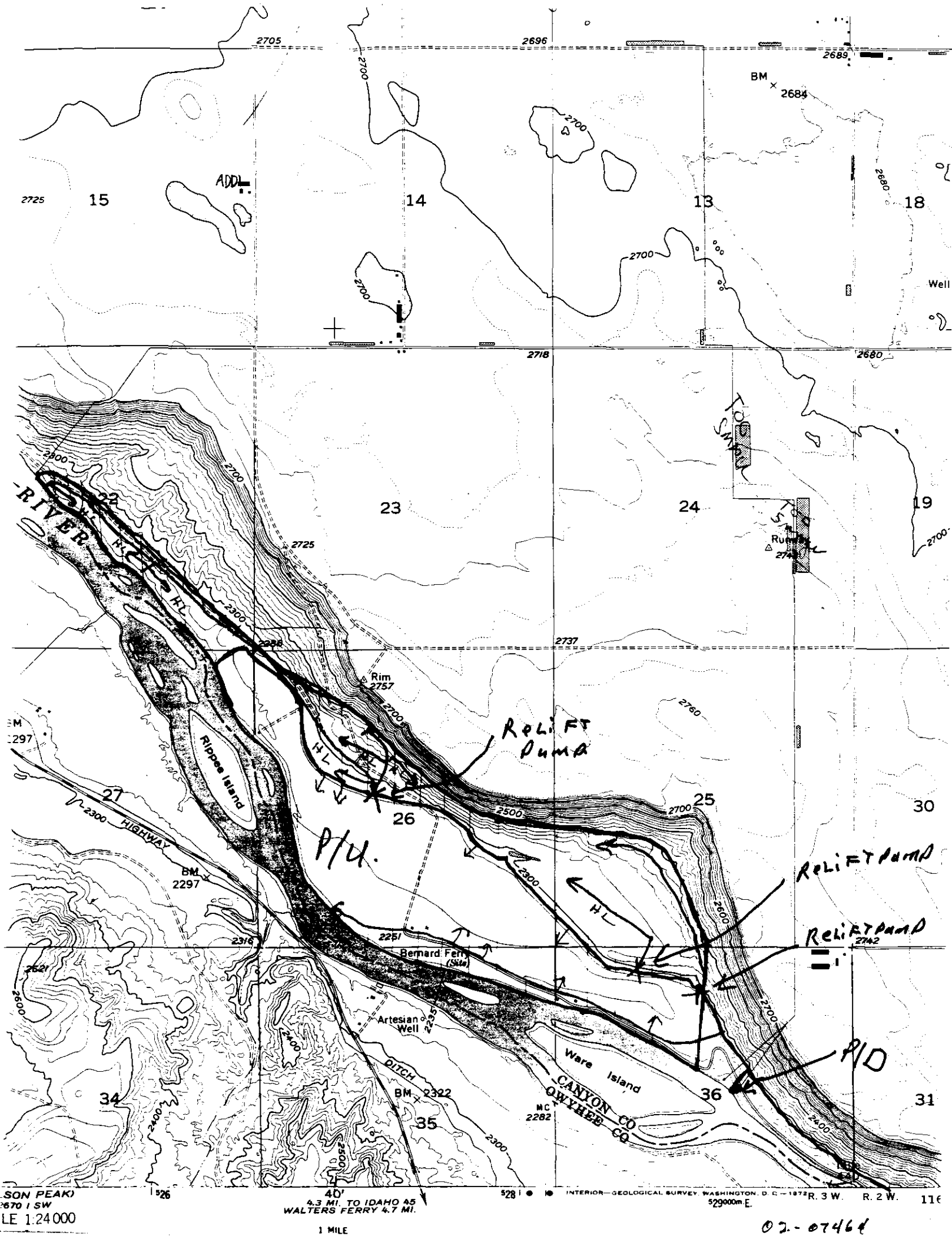
Mr. Nicholson told me that he did run approximately 500 head of cattle on the ranch when he planted corn, wheat, grain or other crops that have enough left over feed for the livestock. This year he grew dairy hay and the last cutting was in November and that there was not enough feed left over to carry the cattle through the winter. Therefore, no cattle were put on the fields on the ranch this year.

Mr. Nicholson's main concern was that they have currently paved Map Rock road which runs through his fields preventing his cattle to get to the river for watering. What he wants to do is use the river pump to fill the canal used for irrigation to water his cattle while they are on the upper fields to prevent them from needing to cross Map Rock Road to get water from the Snake River as they have done in the past.

The system and pump that Mr. Nicholson described over the telephone are constructed and described by the field exam notes and previous licensing of the system. The conversation with Mr. Nicholson led me to believe that he has been running cattle on this property for a number of years, after the crops have been removed. The only change I would recommend is that time of use be between 11/01 to 02/29 each year.* These dates cover the time the land is not being used for growing crops and is used for raising cattle. According to the owner the cattle are moved to a different location when they are farming the ground, so the stockwater use is not necessary during irrigation season.

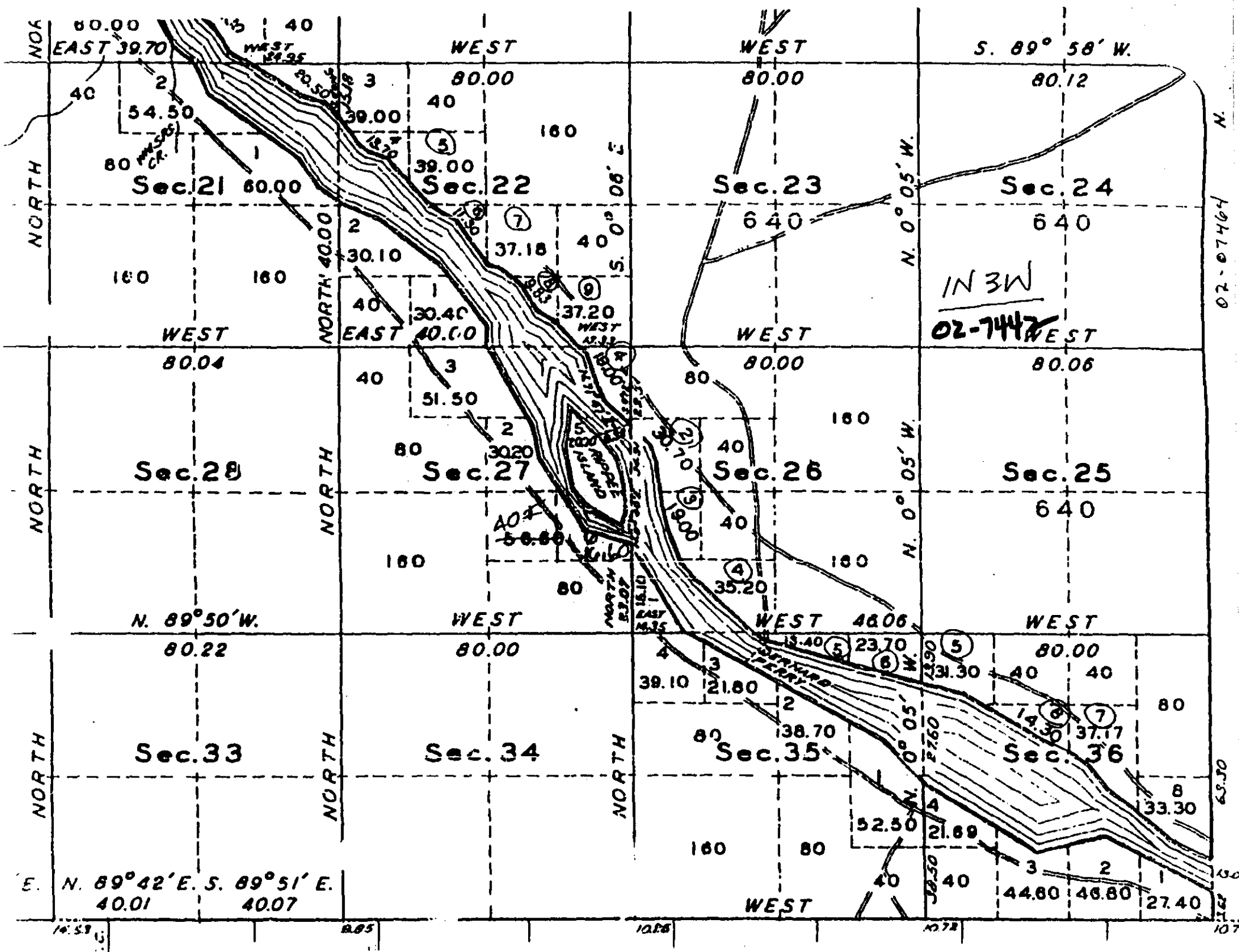
* ~~the~~ Irrigation season is 3/15 to 11/15, therefore stock water should be ~~3/15 to 11/15~~ should be year round, considering incidental stockwater may occur during irrigation season.

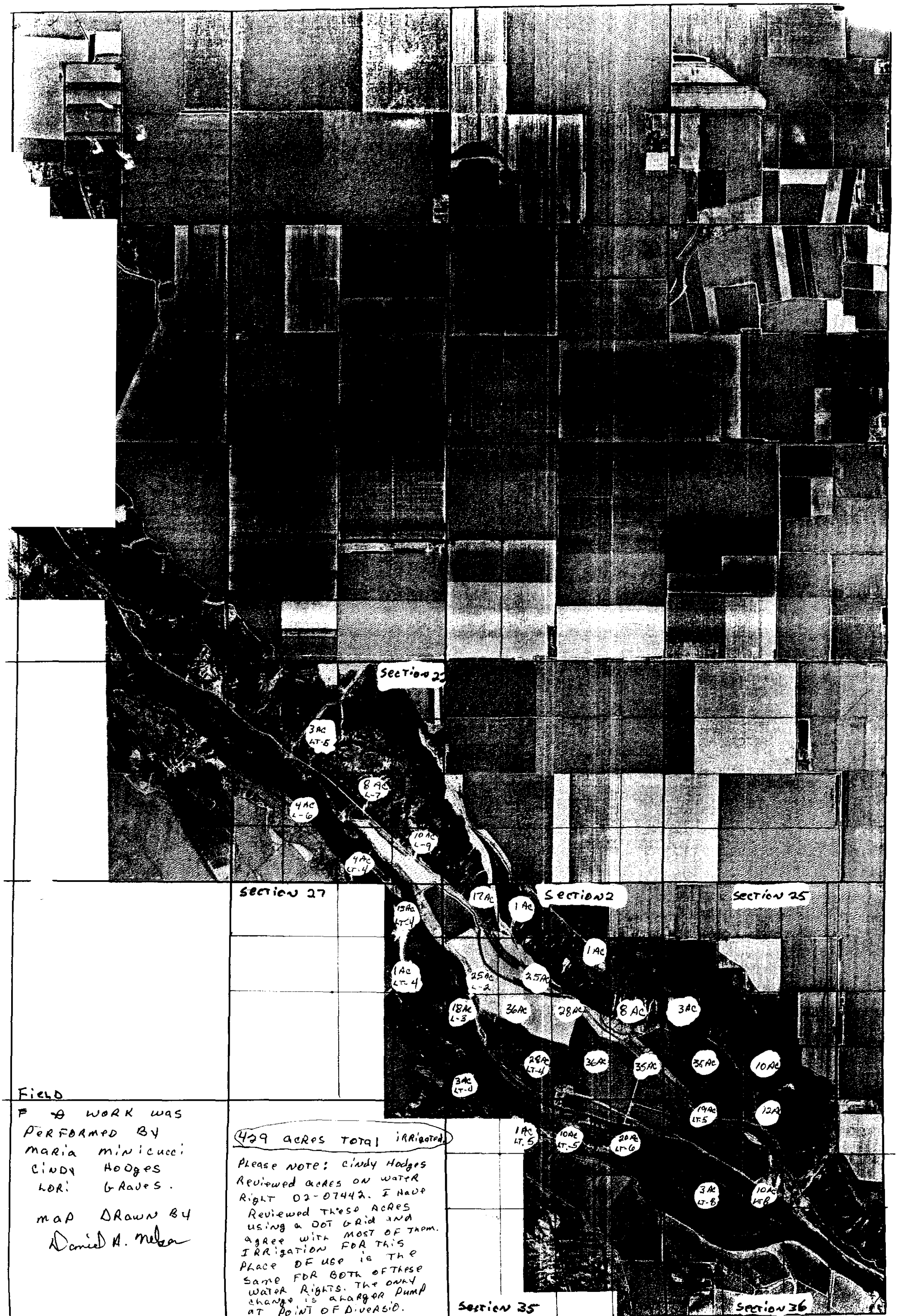
DAN 3-29-99



02-07464

BOARD OF ASSOCIATION.





Therefor, I recommend the same place of use listed
ON WATER Right 02-07442.

Don Wilson

20.0

27/26

02-7442

T1447

FROM CANYON ASCS
C+T Ranches

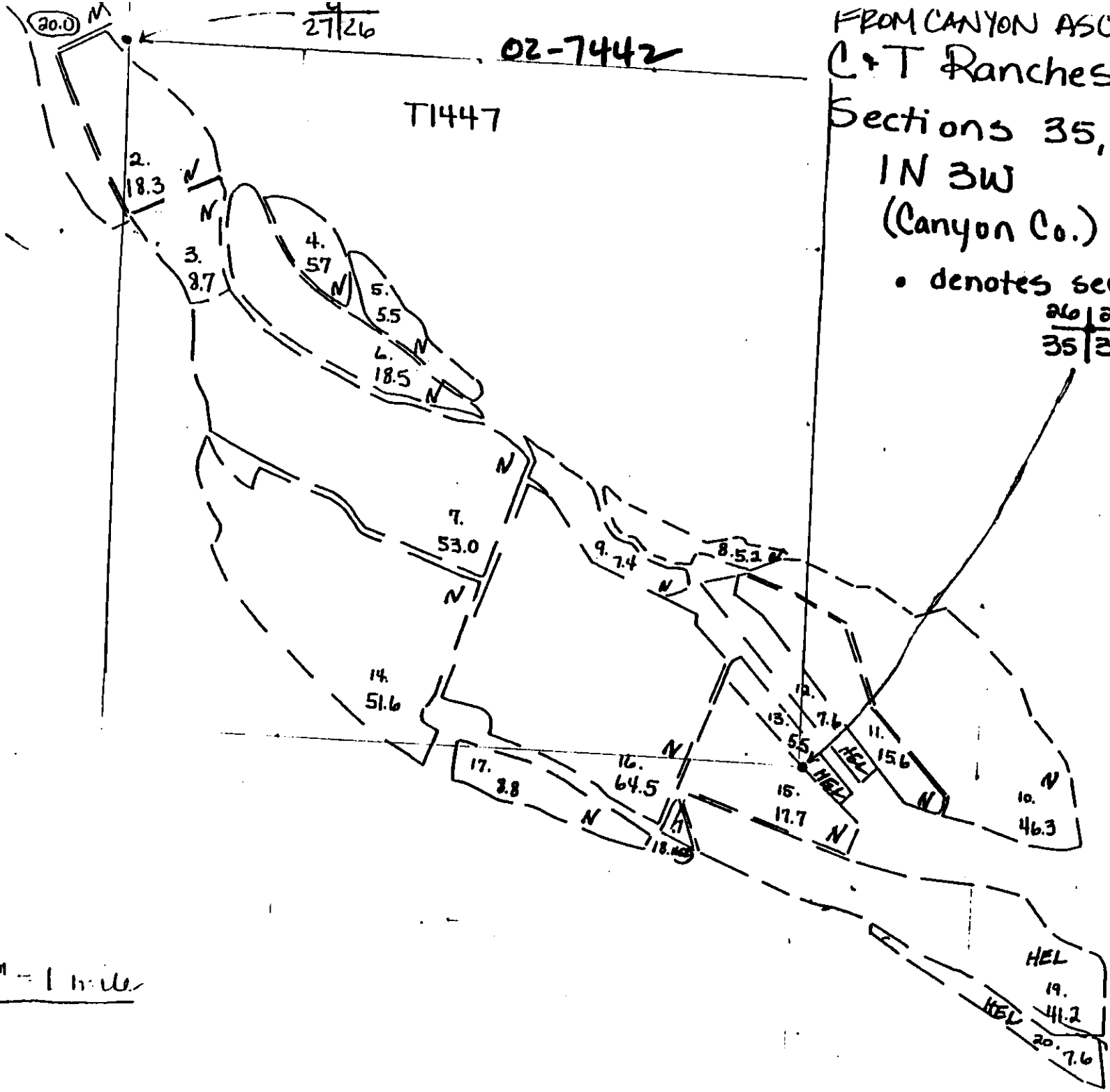
Sections 35, 36, 26, 25
1N 3W
(Canyon Co.)

• denotes section mark

26/25
35/36

02-07464

5" = 1 mile



POLYSONIC READINGS

PERMIT #: 02-07464

POINT OF DIVERSION

FIRST SET OF INFORMATION:

SET-UP IMPUTE DATA USED DURING PREPARATION FOR FLOW MEASUREMENTS.

SECOND SET OF INFORMATION:

THESE ARE THE READINGS TAKEN FOR THIS PUMP. THE TOTAL FLOW WAS AVERAGED OVER A 10 MINUTE READING.

FLWS IN GALLONS PER MINUTE (GPM)

3657 GPM FLOW RATE

FLWS IN CUBIC FEET PER SECOND (CFS)

3657 GPM / 448.8 = 8.15 CFS FLOW RATE

SECON. Q SET OF INFORMATION

10:58- 3.655E 3GPM 00R
 +00000 *10 G 00R
 -00000 *10 G 00R
 10:59- 3.672E 3GPM 00R
 +00000 *10 G 00R
 -00366 *10 G 00R
 11:00- 3.645E 3GPM 00R
 +00000 *10 G 00R
 -00732 *10 G 00R
 11:01- 3.671E 3GPM 00R
 +00000 *10 G 00R
 -01097 *10 G 00R
 11:02- 3.658E 3GPM 00R
 +00000 *10 G 00R
 -01464 *10 G 00R
 11:03- 3.658E 3GPM 00R
 +00000 *10 G 00R
 -01829 *10 G 00R
 11:04- 3.657E 3GPM 00R
 +00000 *10 G 00R
 -02195 *10 G 00R

11:05- 3.662E 3GPM 00R
 +00000 *10 G 00R
 -02561 *10 G 00R
 11:06- 3.637E 3GPM 00R
 +00000 *10 G 00R
 -02927 *10 G 00R
 11:07- 3.663E 3GPM 00R
 +00000 *10 G 00R
 -03292 *10 G 00R
 11:08- 3.654E 3GPM 00R
 +00000 *10 G 00R
 -03657 *10 G 00R
 11-26 11:0800 *R
 - 3.659E 3GPM
 PRT PERIOD
 00 MIN
 MM-DD HH:MM
 11-26 11:09

PRINTER USE
 ? YES
 MM-DD HH:MM
 11-26 10:27
 MODE SELECT
 INPUT
 OUTER DIAMETER
 12.750 IN
 PIPE MATERIAL
 ? PUC
 WALL THICKNESS
 0.4400 IN
 INNER LINING
 ? NO LING.
 KIND OF FLUID
 ? WATER
 SENSOR MOUNTING
 ? U
 TYPE OF SENSOR
 ? SMALL
 DATA CHANGE
 ? NO
 SPACING
 9.833 IN U
 11-26 10:3700 *R
 +002.90 % AI2
 MODE SELECT
 TO CHECK
 0457.7 MMSEC
 103.19 % TO
 MODE SELECT
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 OUTER DIAMETER
 12.7500 IN
 PIPE MATERIAL
 ? PUC
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 0.4402 IN
 INNER LINING
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 KIND OF FLUID
 ? ANOTHER
 SOUND VELOCITY
 1440 M/S-
 SENSOR MOUNTING
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 TYPE OF SENSOR
 ? SMALL
 DATA CHANGE
 ? NO
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 ZERO MODE
 CLEAR
 ZERO MODE
 AUT ZERO
 ZERO MODE
 ZERO OPR
 DAMPING SET
 10 SEC
 PRT PERIOD
 01 MIN
 PRT UNIT GPH
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 PRT UNIT GPM
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 PRT UNIT MGD
 NO
 PRT UNIT FPS
 NO
 PRT UNIT INTEG
 YES
 PRT UNIT AI1
 NO
 PRT UNIT AI2
 NO
 START TIME
 11-26 10:58
 OPERATION TIME
 01 HOR
 INTEG UNIT
 *10 G
 INTEG START
 AUTO
 START TIME
 11-26 10:58
 OPERATION TIME
 01 HOR

Readings Taken By M. Minicucci
 L. Graves
 C. Hodges

8/1/77

SECTION 8100
CURVE NO. 18-186LAYNE & BOWLER, INC.
MEMPHIS, TENN. 38108

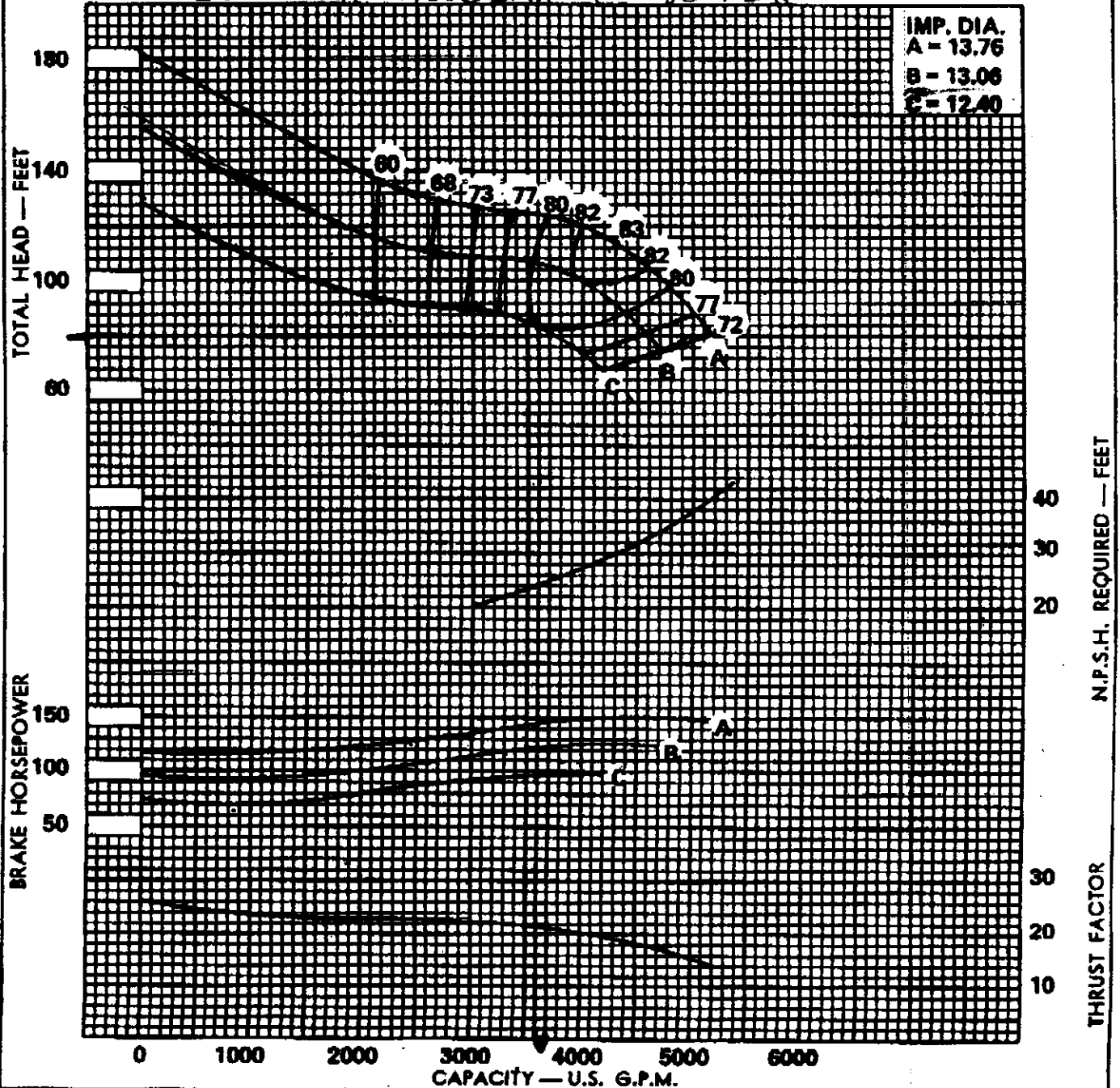
No. Stages	Eff. Change	MATERIAL	Eff. Change
1	0	IMP.—C.I.	-1
2		IMP.—NI-RI	-1
3		BOWL—BRZ	0
4		BOWL—NI-R	0

18 RKHC

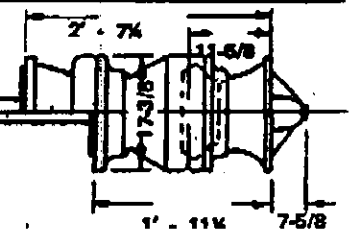
1770 R.P.M.

SINGLE STAGE LAB PERFORMANCE WITH STANDARD MATERIALS. EFFICIENCY SHOWN FOR 1 OR MORE STAGES. HORSE POWER SHOWN FOR ONE STAGE BASED ON 1 STAGE EFFICIENCY. CORRECTIONS SHOULD BE MADE FOR STAGES AND MATERIAL.

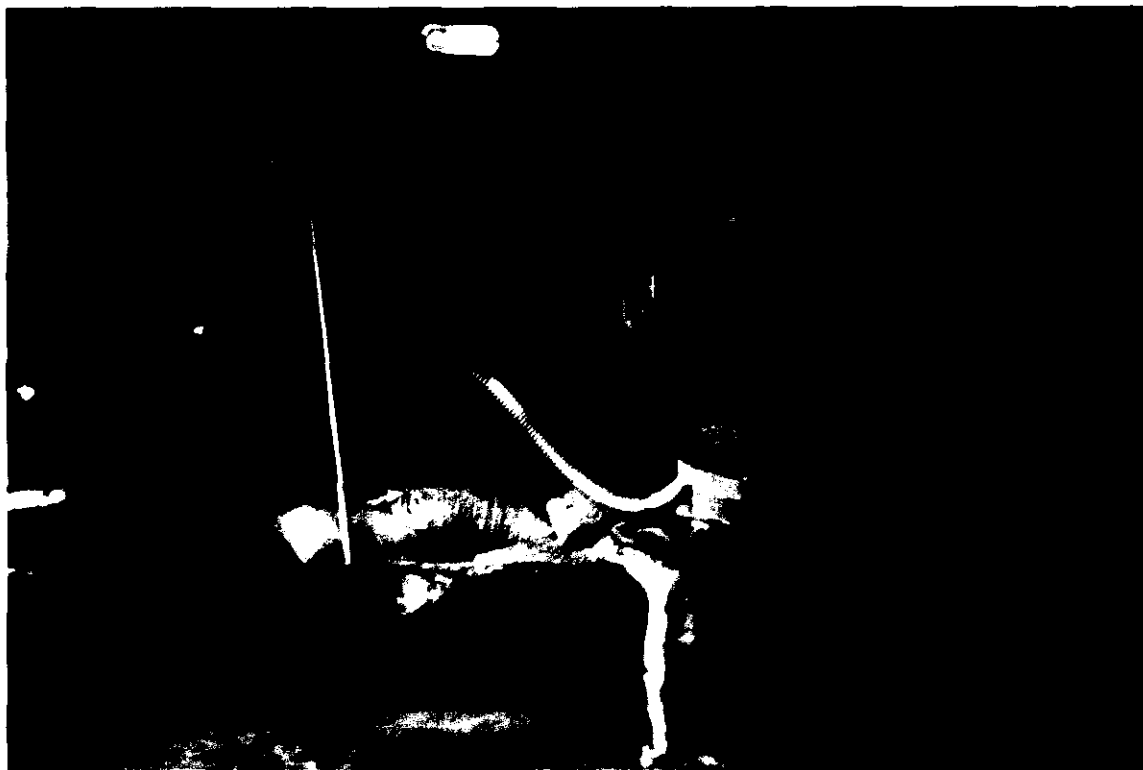
ONE (1) TRIM 12.60"
STAGE STAGES 3600 GPM - 1000 GPM @ 80 TDH



EYE AREA — SQ. IN. = 69.8	IMPELLER WT.—LBS. = 62.5
WT ² PER IMPELLER = 7.5 LB.-FT ²	ONE STAGE WT.—LBS. = 800
MAX. SPHERE SIZE = 1.00 in.	ADD'L STAGE WT.—LBS. = 380
MAX. NO. STD. STAGES = 4	IMPELLER NUMBER = 8RK97
MAX. OPERATING P.S.I. = 300	DISCH. SIZES = 12.14
STD. LATERAL = 0.86 in.	SUCTION SIZES = 14
STD. SHAFT DIA. = 2.187 in.	MAX. LATERAL = 1.00 in.
MAX. SHAFT DIA. = 2.437 in.	BOWL CONN. FLANGED
MIN. SUBMERGENCE = 48 in.	

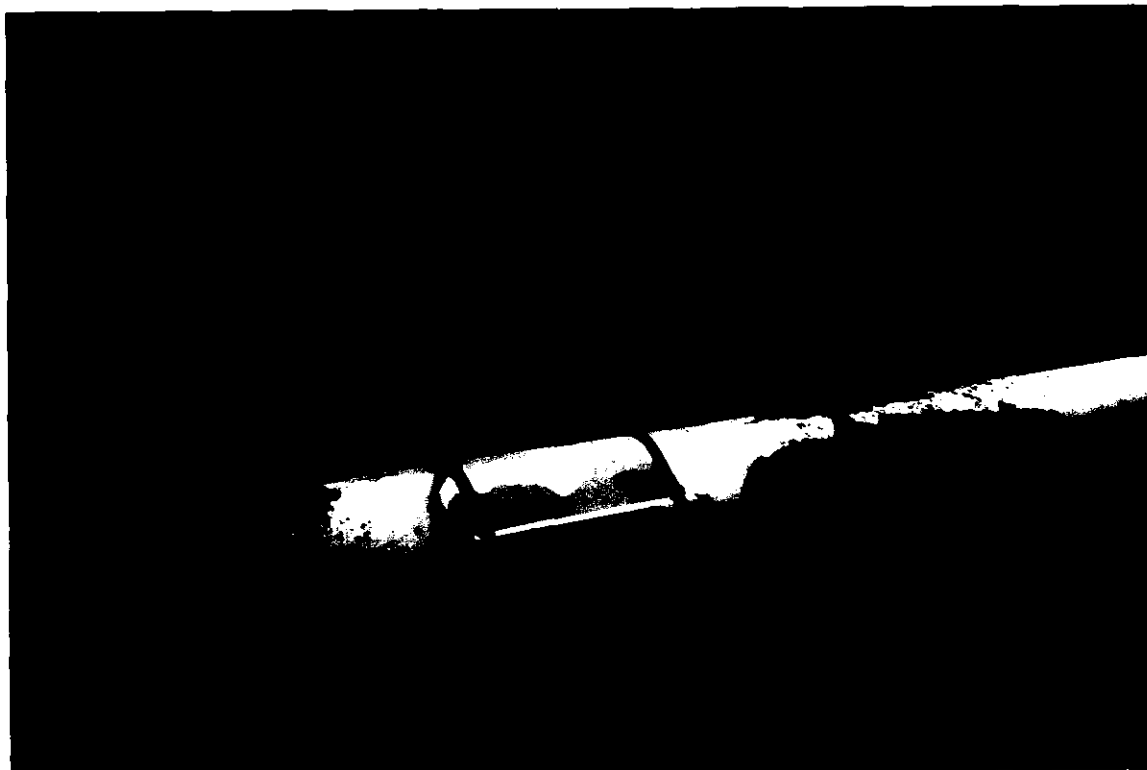
ENCLOSED
LINE SHAFTOPEN
LINE SHAFT

02-07464



TINKER 536
S WNE

Pump station
Pump station is
shared with other
pumps, but this
is the only pump
for 02-07464,
Same elevation
as 02-07442



Measurement
location

Pump station
is in
background.



TIN R3W S36

PUMP STATION ON SNAKE RIVER. STATION CHANGED
WITH OTHER VIEWS. ALTHOUGH PUMP IS NOT
SHOWN (OTHER THAN 02-07464, SOME PUMP, SOME LANDS)

FIELD NOTES

PERMIT NUMBER 02-07464

PLEASE NOTE: These documents are for backup purposes only and are not apart of actual Beneficial Use Field Report.

B/U EXAM SCHEDULING
PHONE MEMO

DATE 10/22/1997

PERMIT # 02-07464

NAME: Tom Nicholson

PHONE #: 888-1593

WELL OR PUMP INFO 100 HP

CASING:

HP:

SWL:

PWL:

SET DEPTH:

PSI:

ACRES IRRIGATED:

SPRINKLER INFO

LINE DIA:

HEADS:

NOZZLE SZ:

STOCK:

DOMESTICS:

OTHER USES:

OTHER RIGHTS:

(FOR BS63 GROUND WATER) SURFACE WATER USED?:

DIRECTIONS:

12 AVE TO MAP ROCK RD

3 - 3.5 miles

10/22: left msg for
Mr. Nicholson to call.

10/23

Pump installed by

Layne of Idaho

Will call Mr. for

appt Mon. or Tues

10/28/1997

Spoke w/ Mr. Nicholson's secr.

He is out all day. left

msg that 30th is

good day, or later in
week next week.

10/28/1997

He will call 11/5 to set

appt 6 or 7h.

EXAM DATE/TIME: ~~10/22/1997~~

EXAMINER M Minicucci
L. GRAVES

11/28 W.D.

02-7464

Nicholson

Outside diameter: 12.75"

Calibration w/ previous calibration unsuccessful. Changed
to S.O.'s (Stresser)

Thickness .44

Spacing 9.833

103.20

US ELECTRICAL Morse

100 HP

60 phase 3 cycle cycle

ID# R-9981-00-888 R2100531

12.75" discharge

GPS Rover File

C112618A

OFFSET 20' wq pump

50' N + W of River

Same system, pos as previous
license. Only change is pump.

Per Mr. Nicholson

Mr. Nicholson
R. Timmucci
L. Graver
C. Hedges

Tom Nicholson

75 HP $\rightarrow$ 100 HP

+ bowl change

1N 3W S36 47 SWNE

$$\frac{100 \times 8.8 \times .7}{75 + 10} = 7.25$$

3600 GPM @ 80' hd = 8.02 cfs
1 stage

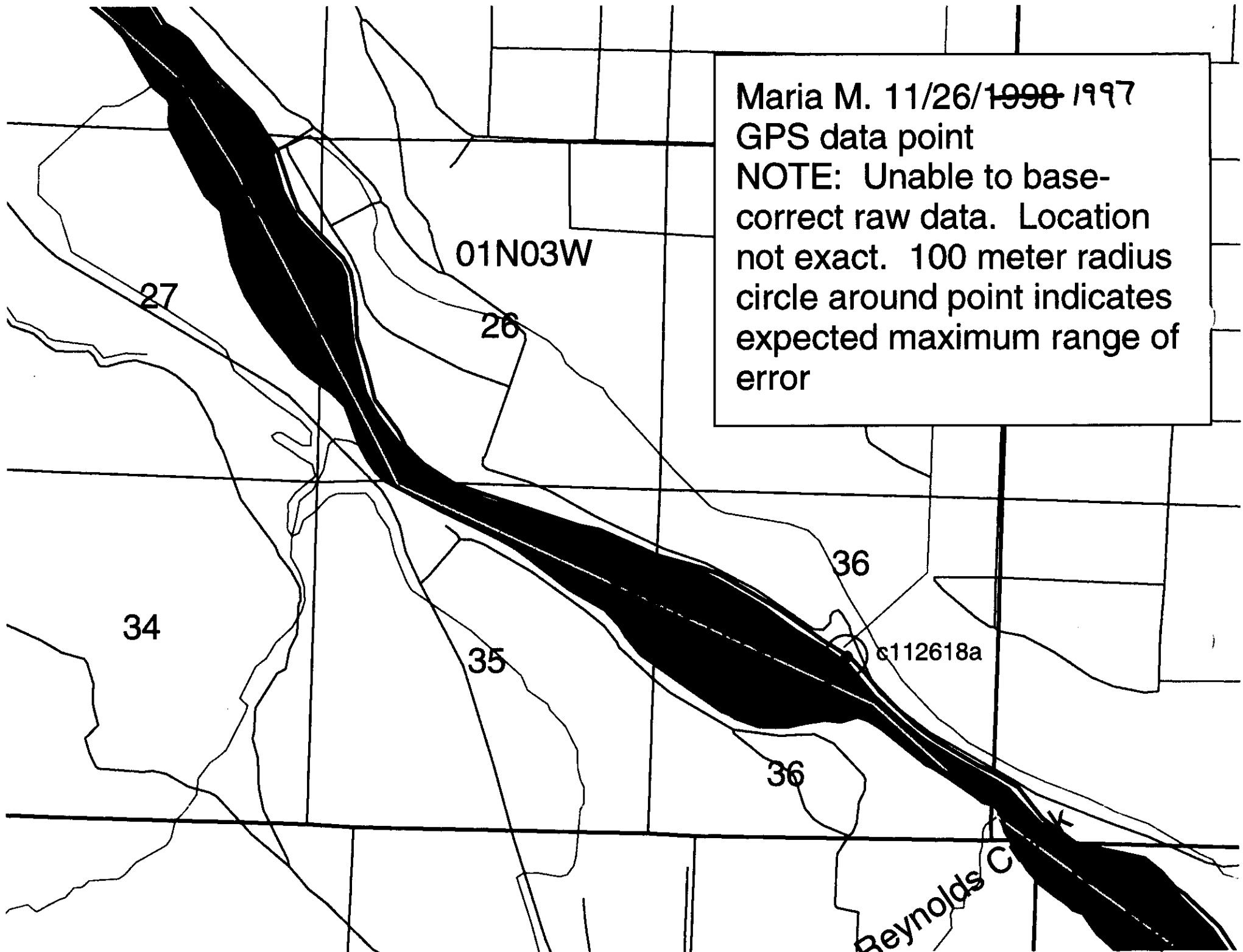
Maria:

Attached are a couple maps. I think you and Cindy located a river diversion in November, possibly owned by Nicholson. The file wouldn't base-correct, and I'm not sure why. Anyway, I plotted the uncorrected data and enclosed it with a circle of 100 meter radius--the expected maximum error we should get with raw gps files. I apologize for it being so late. I've just recently been able to spend some time mapping.

Scott K

6/5/98

Maria M. 11/26/1998-1997
GPS data point
NOTE: Unable to base-
correct raw data. Location
not exact. 100 meter radius
circle around point indicates
expected maximum range of
error



36

c112618a



cor0605a.txt

Differential Correction Started...

Correct Engine Version: MCCR400 v4.22 W

Differential Correction Settings

Output Page Settings

Output Positions : Corrected Only

Audit File Contents : None

Base Controls Page Settings

Base Processing Technique : Standard

Minimum Elevation : 0

Minimum SNR : 0

Rover Controls Page Settings

Rover Processing Technique : Standard

Correct Velocity Records : No

Correct Realtime Positions : No

Using these rover files from c:\pfddata\cindyh\backup:

cl12618a.ssf (11/26/97 12:16:28pm to 11/26/97 12:18:57pm local time)

Using these base files from c:\pfddata\basedata\inel:

i7112619.ssf (11/26/97 1:00:01pm to 11/26/97 2:00:01pm local time)

i7112618.ssf (11/26/97 12:00:01pm to 11/26/97 1:00:01pm local time)

Using this reference position:

43°31'00.53660N

112°02'06.88740W

1451.501 m + 0 m (antenna height)

Corrected and other output files are written to c:\pfddata\cindyh

Creating Temporary Base File c:\pfddata\basedata\inel\combbase.ssf...

Processing file cl12618a.ssf...

225 positions were not corrected (18:16:28.41 to 18:18:57.66 GPS time).

225 times missing IODE data.

Missing IODE information detected for rover SV: 14

Completed file cl12618a.ssf.

Differential Correction Summary:

1 file processed. In this file:

0% of the selected positions were corrected.

225 positions were read.

225 positions not corrected - Rover file errors.

Differential Correction Ended.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 02-7442

1. Owner: THOMAS T NICHOLSON

Phone No. 888 1593

Current Address: PO BX 690 MERIDIAN ID 83642

2. Accompanied by: TOM

EXAM DATE: 7/14/94

Address: _____

Phone No. _____

Relationship to Permit Holder: _____

3. Source: Snake River tributary to Columbia River

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 63-356, 357, 358, 362, 363, 2311, 2378, 2380, 2663, 2699 - 11323, -2592
2. Other water rights with the same point of diversion: see attached

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
	7	SW	SW	NE	36	1N	3W	Canyon	

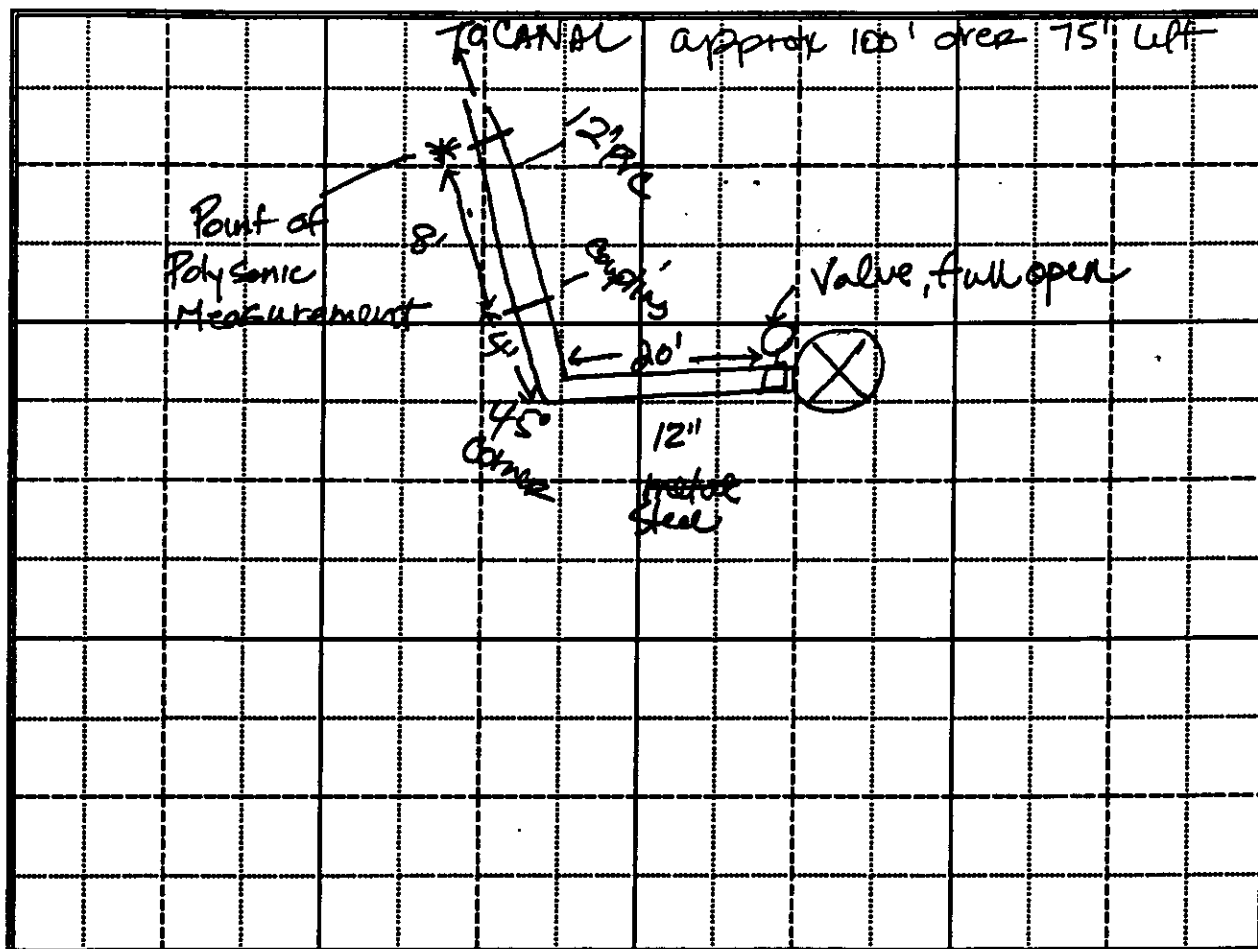
2. Place(s) of Use:

Indicate Method of Determination ASCS plat USGS map

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
1N	3W	22								3	4					8	4	10	29
										L.5	L.6					L.7	L.8	L.9	
		25										3	35	10					48
		26			1		1	17	25	25	36	18	3	28	8	28	36	35	261
		27	15			L.14													16
		35	20	10			L.5												31
		36	L.6	L.5			12	19	3	10									44
							L.5	L.8	L.8										

(429)

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



Scale: 1" = 100'

Copy of USGS Quadrange 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
1	GE	75	HNJ817392	Layne	12"

*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
Polysonic						

2. Measurements: Poly - wall thickness .423 (PVC)
 Circumference 3' 4.5" = 40.5" = 3.375'
 Spacing = 9.950 in.

E. NARRATIVE/REMARKS/COMMENTS

Snake River pumping plant diverts to an open canal for irrigation via gravity flow and relift to pressurized systems.

Only one pumping plant used. P/O in Section 6 was not developed. Canal also carries waste water & flows licensed from ground water. (see also ~~63-11323~~)
(see below)

Acreage determination = 409 ACRES acres
+ 20 acres developed @ NW end, not shown on tabulated acreage maps.

Overlaps: P/O All rights (Basin 02) listed in overlap review pumped by Harvest Farms ~~from~~ from a separate pumping system at the same platform location.

This system is a unique pump.

Other right (Basin 03) different source

P/O All overlapping rights shown used on same or on all same acres, from waste water or groundwater sources,

through common canal system w/relifts

(exam for 63-11323 conducted same time - not completed)
will complete during B63 SCBA verification of other rights

OUTER DIAMETER
12.75 IN

PIPE MATERIAL
PVC

WALL THICKNESS
0.4230 IN

INNER LINING
NO LING.

KIND OF FLUID
WATER

SENSOR MOUNTING
U

TYPE OF SENSOR
SMALL

DATA CHANGE
NO

SPACING
9.950 IN U

ZERO MODE
CLEAR

ZERO MODE
AUT ZERO

ZERO MODE
ZERO OPR

00-00 00:1300 *R
+ 2.473E 3GPM * 5.51
GFS

00-00 00:1400 *R
+ 2.415E 3GPM

MM-DD HH:MM
07-14 11:33

* Condition #4 - meas. device/port or certified measurement:
No device or port, but there is a suitable location for
polysonic measurement, which was accomplished.

Have conditions of permit approval been met? * yes ___ no ___

F. FLOW CALCULATIONS

Measured Method:

5.51 cfs

Additional Computation Sheets Attached

Check: HP equation

$$\frac{75 \times 8.8 \times 7}{75 + 10} = 5.44 \text{ cfs}$$

lift, from
topo map

head pressure,
open discharge

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{LR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 429 \times 4.5 = 1930.5$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 5.51 \times 240 \times 1.9835 = 2688.6$$

$$V = \text{Smaller of } V_{LR} \text{ and } V_{DR} = 1930.5$$

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		
IRR	3/15	11/15	5.51	1930.5
Totals:			5.51	1930.5

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 Cindy J. Hodges Date 12/28/94

Reviewer _____ Date _____

SEAL

Gilbert
Hot Springs

02-7442
1N3W

BM
2266

banding
sets
direction of
flow, mainly
sets

SCALE 1:24,000

23 43 30 24

25

4306

4305

4304

4303 - N

43° 22' 30"

T. 1N

31

Mile
440

36

35

34

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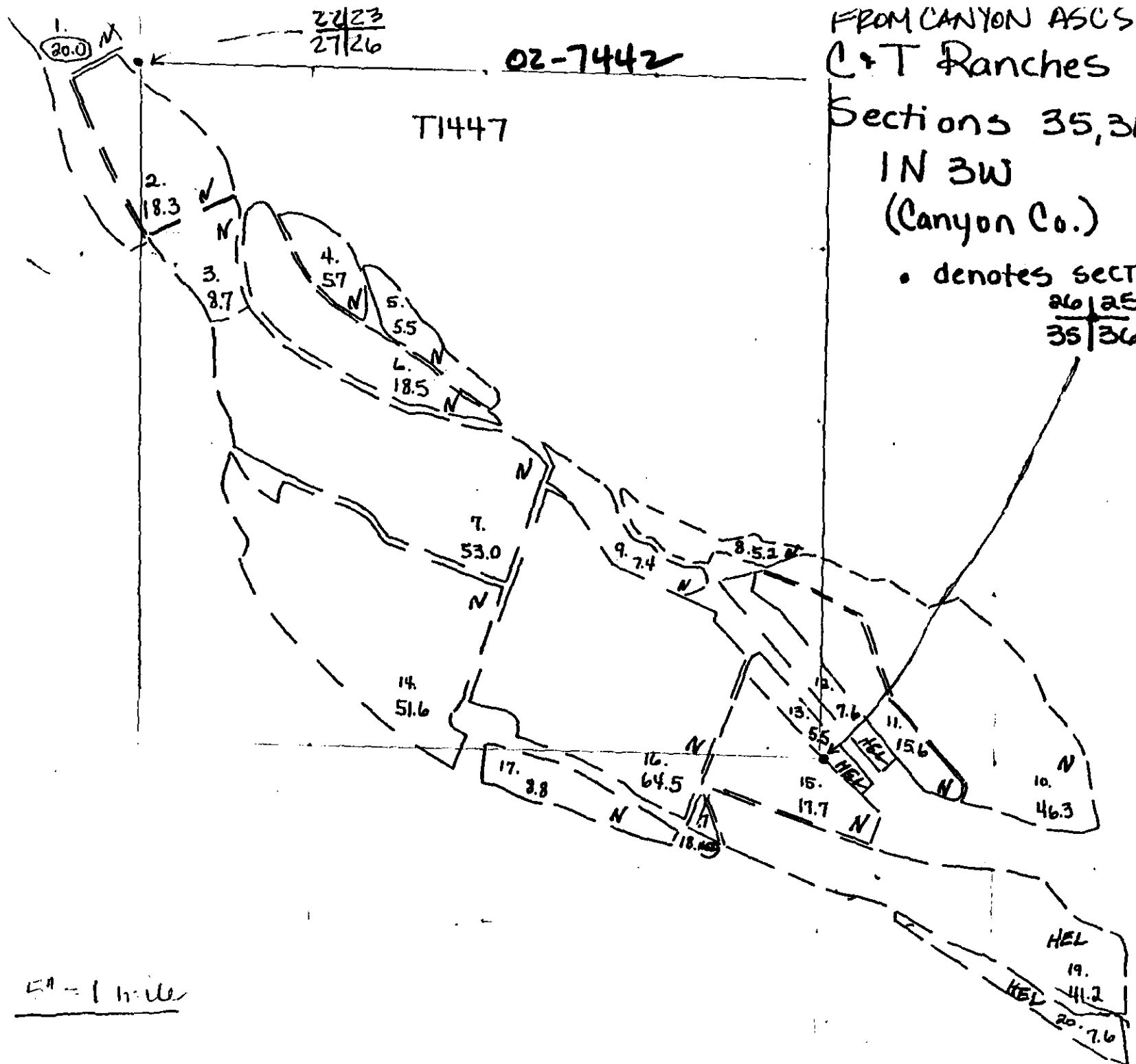
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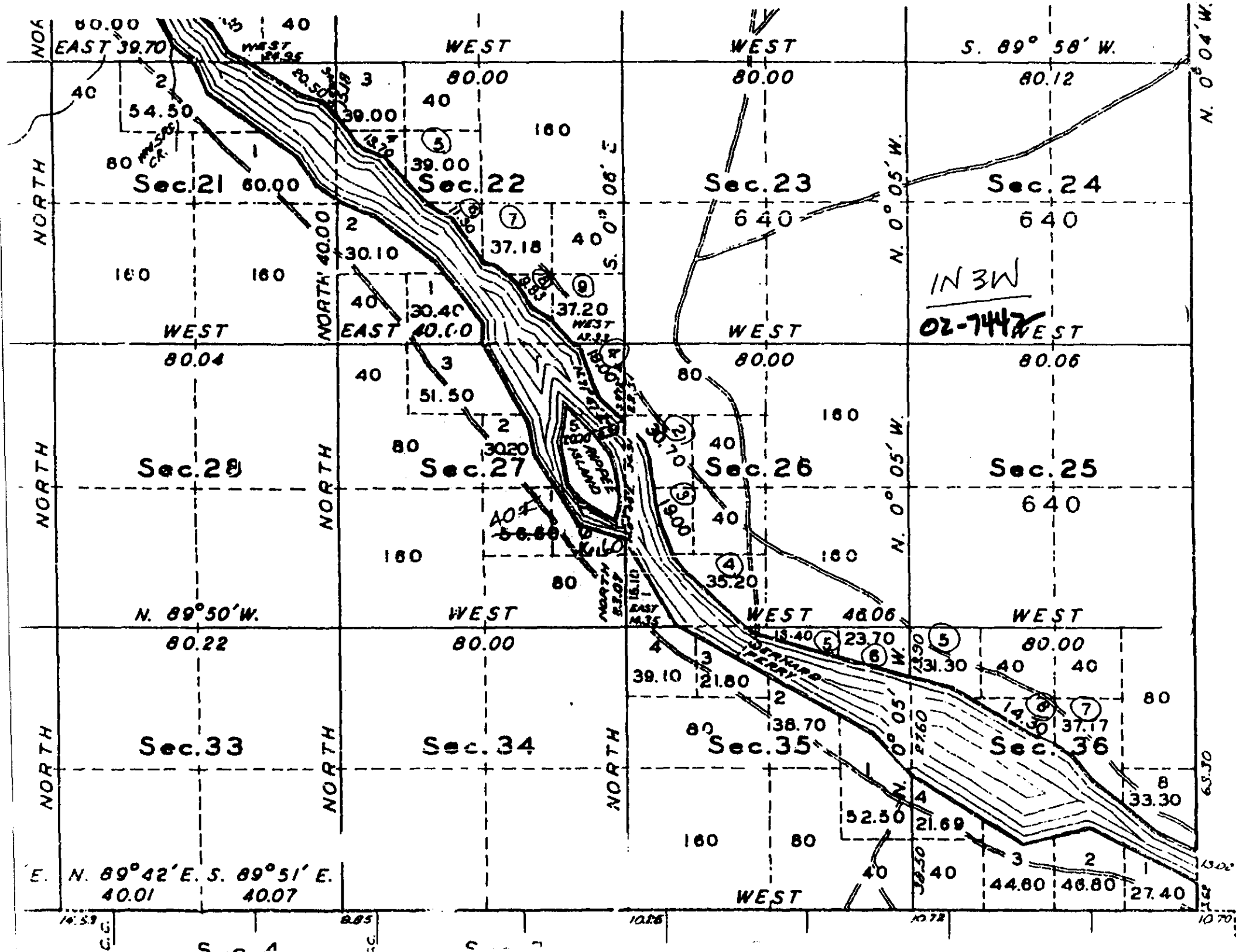
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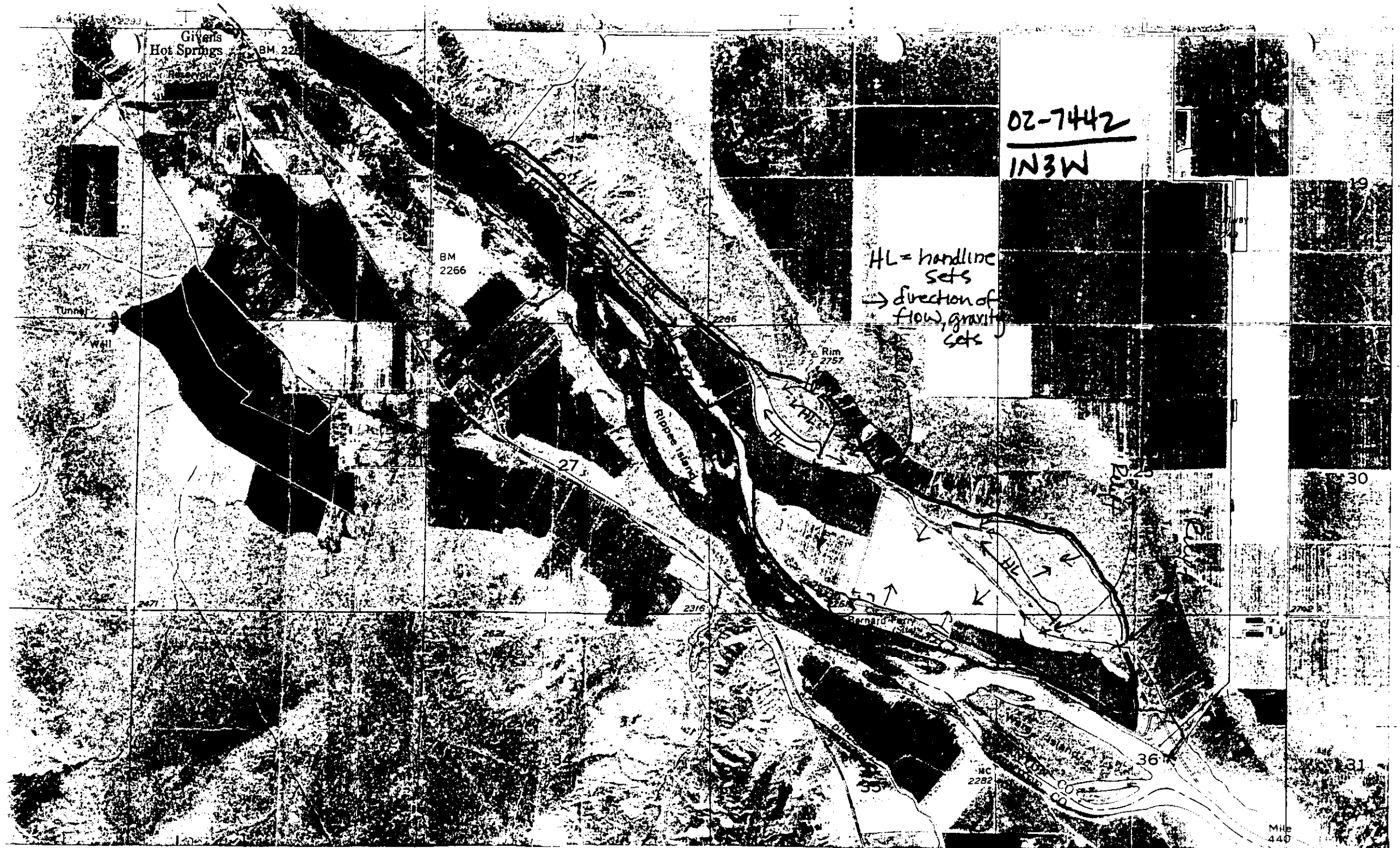
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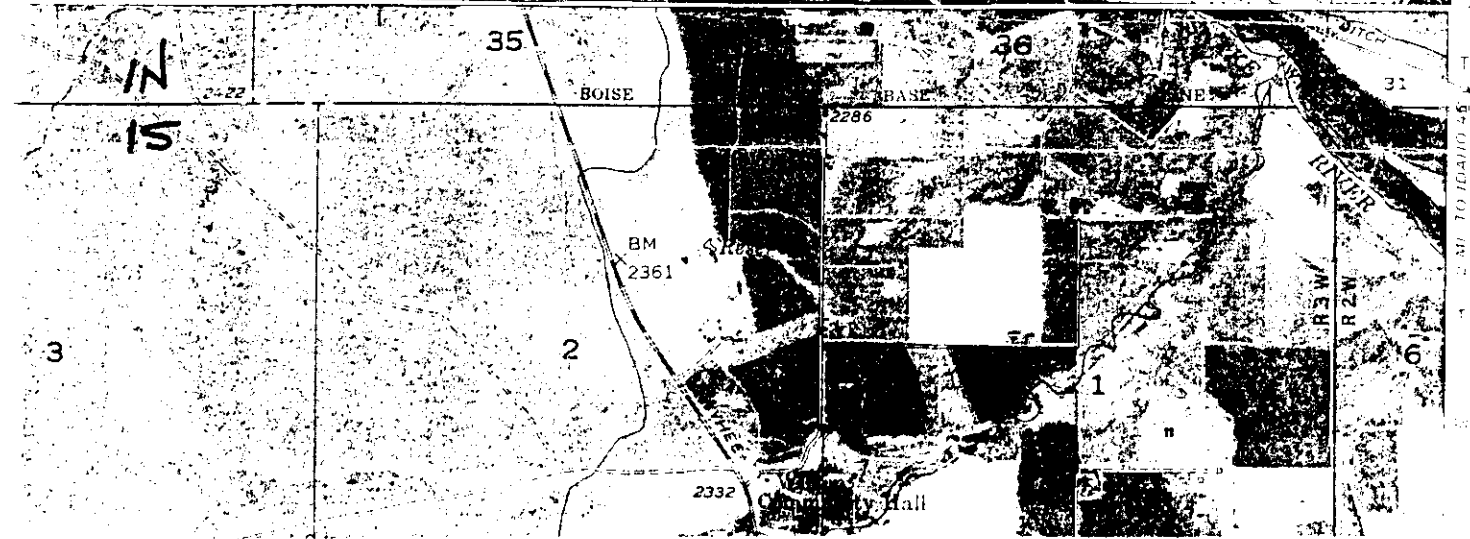


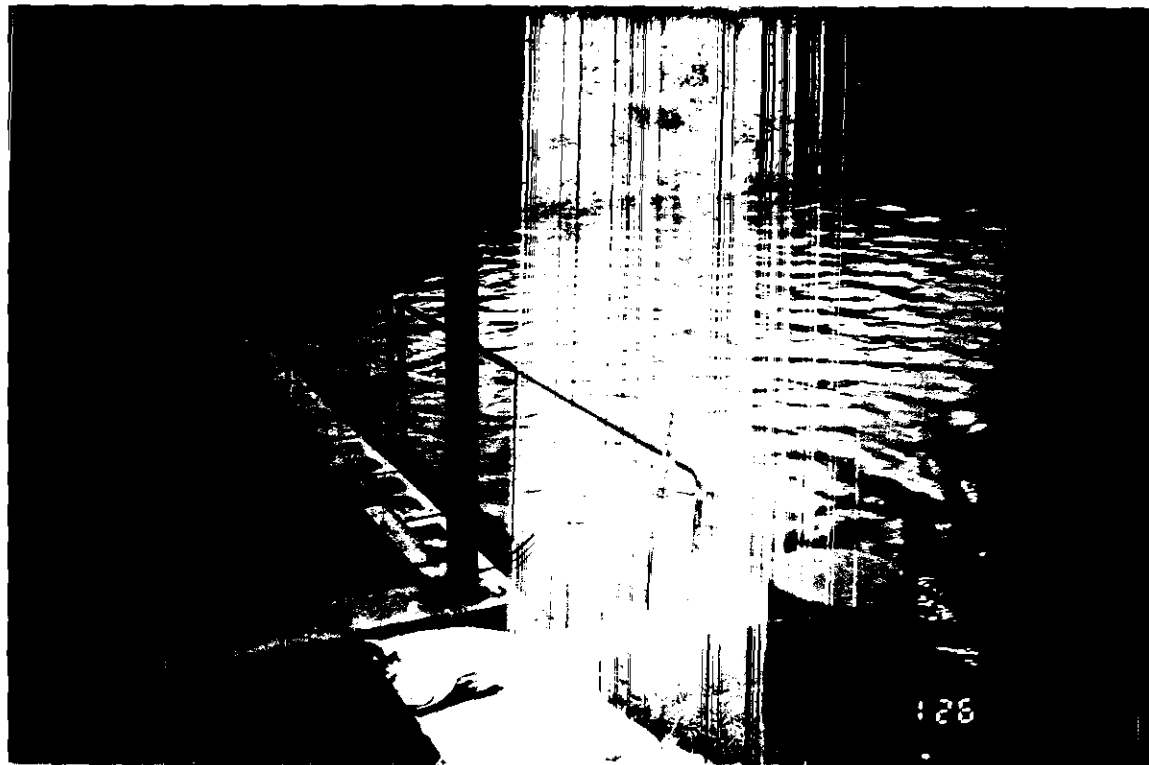


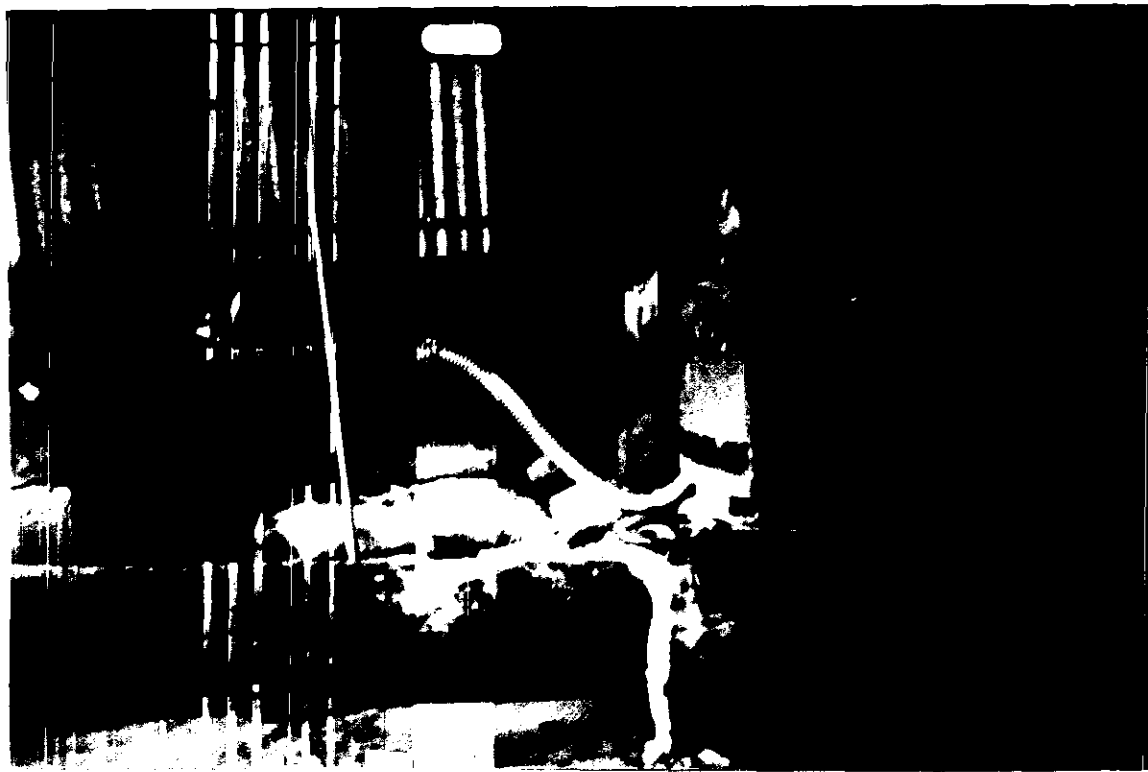


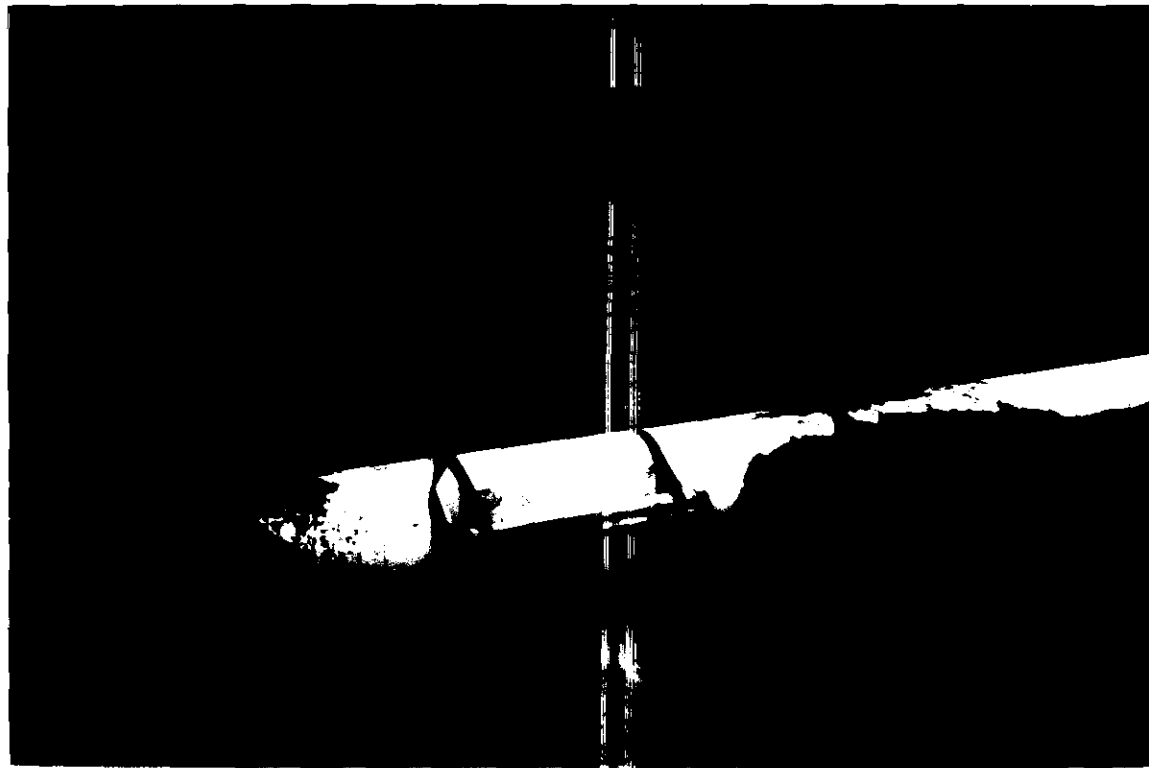
SCALE 1:100,000

POW Map
from BLU EXAM
02-07442









FIELD EXAM PHOTO INDEX SUMMARY

Date: 11/24/1997

Roll No.: 1

Photographer: TDJ/nicucci

PHOTO NO.	SUBJECT
1	<u>Measurements location</u>
2	<u>POD</u>
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June 27, 1996

THOMAS T NICHOLSON
PO BOX 690
MERIDIAN ID 836420690

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 02-07464

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water.

If you have questions concerning this matter, please feel free to contact the WESTERN Regional Office in Boise at (208)334-2190.

Sincerely,

JULIE L. YARBROUGH
Senior Secretary

c: IDWR - Region

RECEIVED

AUG 07 1996



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

August 28, 1995

THOMAS T NICHOLSON
PO BOX 690
MERIDIAN ID 83642-0690

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 02-07464

Dear Permit Holder:

Enclosed is a copy of your approved application for permit. Please be sure to thoroughly review the "CONDITIONS/REMARKS:" listing on the permit.

As a permit owner you must commence the excavation or construction of the diverting works within one year of the date the permit was issued, and you must proceed diligently until the project is completed. The date shown under condition no. 1 is the date when the project must be completed.

The Department will send you a "Proof Due Notice" approximately 60 days prior to the above referenced date requesting you to file either a Proof of Beneficial Use form or a Request for Extension of Time form.

Note also that water shall not be diverted under this permit unless the flow of the Snake River exceeds established downstream minimum stream flows. In addition, there are many applications for permit for the use of Snake River water that are prior to your permit. If these rights are developed, and if established minimum stream flows are maintained, then no water would be available for this permit. You should carefully review this before making expenditures under this appropriation.

RECEIVED

SEP 13 1995

Please note that a separate stream channel alteration permit must be obtained from the IDWR prior to any activity in the stream channel other than construction or maintenance of the diversion structure for your water right(s). Applications for stream channel alteration permits must be filed at least sixty days prior to the commencement of work in the stream.

Sincerely,

A handwritten signature in cursive script that reads "Shelley Walter Keen".

Shelley W. Keen
Water Rights Supervisor

SK:rl

Enclosures

SEP 13 1995

LEGAL NOTICES

LEGAL

LEGAL NOTICES

LEGAL NOTICES

104N R02W S27 SWSW
S28 SESE
S34 NWNW SWNW
146.0 ACRES TOTAL
Water bearing zone to be appropriated is 280 to 300 feet.
63-11665

WOODARD, STEPHEN E
18139 DEAN LN
NAMPA, ID 83687
Source: GROUNDWATER
Diversions Pt: SENW Sec 26 T 04N R 02W in CANYON County.
Use: IRRIGATION (0.800 CFS)
Total Diversion (0.800 CFS)
Date Filed: 2/19/1992
In: CANYON County
T04N R02W S26 SENW
40.0 ACRES TOTAL
Water bearing zone to be appropriated is 105 to 145 and 180 to 200 feet.
63-11668

NOE, LLOYD
NOE, JOAN
6601 DICKMAN RD
MELBA, ID 83641
Source: GROUNDWATER
Diversions Pt: SESE Sec 24 T 01N R 02W in CANYON County.
Use: IRRIGATION (2.400 CFS)
Total Diversion (2.400 CFS)
Date Filed: 2/13/1992
In: CANYON County
T01N R02W S24 SESE
S25 NENE NWNE
120.0 ACRES TOTAL
Water bearing zone to be appropriated is 160 to 250 feet.
63-11669

CHASE, CARL F
12317 LONE STAR RD
NAMPA, ID 83651
Source: GROUNDWATER
Diversions Pt: SESE Sec 18 T 03N R 02W in CANYON County.
Use: IRRIGATION (2.840 CFS)
Total Diversion (2.840 CFS)
Date Filed: 2/18/1992
In: CANYON County
T03N R02W S18 NESW Lot 3(NWSW) SESW NESE
NWSE SWSE SESE
142.0 ACRES TOTAL
Water bearing zone to be appropriated is 18 to 80 feet.
63-11670

WISSEL, CLINTON
WISSEL, JUDITH
15451 MIDWAY RD
NAMPA, ID 83651
Source: GROUNDWATER
Diversions Pt: LOT 4 (SWSW) Sec 18 T 03N R 02W in CANYON County.
Use: IRRIGATION (3.600 CFS)
Total Diversion (3.600 CFS)
Date Filed: 2/25/1992
In: CANYON County
T03N R02W S18 Lot 3(NWSW) Lot 4(SWSW)
R03W S13 SWNE SENE NESE NWSE
180.0 ACRES TOTAL
Water bearing zone to be appropriated is 100 to 300 feet.
63-11677

SYMMS FRUIT RANCH INC
14068 SUNNY SLOPE RD
CALDWELL, ID 83605
Source: GROUNDWATER
Diversions Pt: NWNE Sec 22 T 03N R 04W in CANYON County.
Use: IRRIGATION (1.280 CFS)
Total Diversion (1.280 CFS)
Date Filed: 2/10/1992
In: CANYON County
T03N R04W S22 NWNE SWNE NENW
64.0 ACRES TOTAL
Water bearing zone to be appropriated is 150 to 600 feet.
63-11678

SYMMS FRUIT RANCH INC
14068 SUNNY SLOPE RD
CALDWELL, ID 83605
Source: GROUNDWATER
Diversions Pt: NWSW Sec 14 T 03N R 04W in CANYON County.
Use: IRRIGATION (2.000 CFS)
Total Diversion (2.000 CFS)
Date Filed: 2/10/1992
In: CANYON County
T03N R04W S14 SWNW NWSW SWSW
100.0 ACRES TOTAL
Water bearing zone to be appropriated is 335 to 700 feet.
63-11679

SYMMS FRUIT RANCH INC
14068 SUNNY SLOPE RD
CALDWELL, ID 83605
Source: GROUNDWATER
Diversions Pt: NWNW Sec 26 T 03N R 04W in CANYON County.
Use: IRRIGATION (2.000 CFS)
Total Diversion (2.000 CFS)
Date Filed: 2/10/1992
In: CANYON COUNTY
T03N R04W S26 NWNW SWNW
S27 NENE
100.0 ACRES TOTAL
Water bearing zone to be appropriated is 160 to 400 feet.

NAMPA, ID 83686
Source: GROUNDWATER
Diversions Pt: SWSE Sec 20 T 02N R 01W in CANYON County.
Use: IRRIGATION (1.600 CFS)
Total Diversion (1.600 CFS)
Date Filed: 3/2/1992
In: CANYON County
T02N R01W S20 NWSE SWSE
80.0 ACRES TOTAL
Water bearing zone to be appropriated is 75 to 125 feet.
63-11711

HILLWATER RANCH
28569 DIXIE RD
PARMA, ID 83660
Source: GROUNDWATER
Diversions Pt: LOT 3 (NENW) Sec 5 T 04N R 05W in CANYON County.
Use: IRRIGATION (3.180 CFS)
Total Diversion (3.180 CFS)
Date Filed: 3/12/1992
In: CANYON County
T04N R05W S05 Lot 3(NENW) Lot 4(NWNW) SWNW SENW
T05N R05W S32 SESW
159.0 ACRES TOTAL
Water bearing zone to be appropriated is 78 to 168 feet.
63-11714

ERDLEY, FLORENCE
15317 FLORIDA AVE
CALDWELL, ID 83605
Source: GROUNDWATER
Diversions Pt: NESW Sec 14 T 03N R 03W in CANYON County.
Use: IRRIGATION (0.800 CFS)
Total Diversion (0.800 CFS)
Date Filed: 3/13/1992
In: CANYON County
T03N R03W S14 NESW
40.0 ACRES TOTAL
Water bearing zone to be appropriated is 80 to 120 feet.
63-11717

MIYASAKO FARMS
PO BOX 1060
HOMEDALE, ID 83628
Source: GROUNDWATER
Diversions Pt: NENW Sec 36 T 04N R 05W in CANYON County.
Use: IRRIGATION (2.220 CFS)
Total Diversion (2.220 CFS)
Date Filed: 3/16/1992
In: CANYON County
T04N R05W S25 SWSE SESE
S36 NENW
111.0 ACRES TOTAL
Water bearing zone to be appropriated is 265 to 510 feet.
63-11721

GREEN ACRES FARMS
14501 LOCUST LN
NAMPA, ID 83686
Source: GROUNDWATER
Diversions Pt: NENW Sec 36 T 03N R 04W in CANYON County.
Use: IRRIGATION (2.400 CFS)
Total Diversion (2.400 CFS)
Date Filed: 3/19/1992
In: CANYON County
T03N R04W S36 SWNE NENW SENW
120.0 ACRES TOTAL
Water bearing zone to be appropriated is 350 to 450 feet.
63-11722

PERKINS, FRANCES
PERKINS, GALEN E.
14501 LOCUST LN
NAMPA, ID 83686
Source: GROUNDWATER
Diversions Pt: NWNE Sec 10 T 02N R 03W in CANYON County.
Use: IRRIGATION (1.340 CFS)
Total Diversion (1.340 CFS)
Date Filed: 3/19/1992
In: CANYON County
T02N R03W S10 NWNE NENW
67.0 ACRES TOTAL
Water bearing zone to be appropriated is 350 to 450 feet.
63-11723

KRAMER, KELLY
KRAMER, VICKY
1288C SOUTH SIDE BLVD
MELBA, ID 83641
Source: GROUNDWATER
Diversions Pt: NESW Sec 25 T 01N R 02W in CANYON County.
Use: IRRIGATION (1.600 CFS)
Total Diversion (1.600 CFS)
Date Filed: 3/19/1992
In: CANYON County
T01N R02W S25 NESW NWSW
80.0 ACRES TOTAL
Water bearing zone to be appropriated is 227 to 368 feet.
63-11724

KRAMER, VERNON
KRAMER, KELLY
7663 BASE LINE RD
MELBA, ID 83641
Source: GROUNDWATER
Diversions Pt: LOT 3 (NENW) Sec 2 T 01S R 02W in CANYON County.
Use: IRRIGATION (1.000 CFS)

NOTICE OF APPLICATION FOR WATER RIGHT

The Following application(s) have been filed to appropriate the public waters of the State of Idaho:

02-07464 ✓

NICHOLSON, THOMAS T
PO BOX 690
MERIDIAN, ID 83642
Source: SNAKE RIVER Tributary: COLUMBIA RIVER
Diversions Pt: LOT 7 (SWSWNE) Sec 36 T 01N R 03W in CANYON County.
Use: IRRIGATION (6.910 CFS)
STOCKWATER (0.120 CFS)
Total Diversion (6.910 CFS)
Date Filed: 5/25/1995
In: CANYON County
T01N R03W S22 Lot 5(SENW) Lot 6(NESW) Lot 7(NWSE) Lot 8(SWSE)
Lot 9(SESE)
S25 NWSW SWSW SESW
S26 SWNE NENW NWNW Lot 2(SWNW)
SENE NESW Lot 3(NWSW) Lot 4(SWSW)
SESE NESE NWSE SWSE
S27 Lot 4(NENE) Lot 4(SENE)
S35 Lot 6(NENE) Lot 5(NWNE) Lot 5(NENW)
S36 NENW Lot 5(NWNW) Lot 8(SWNW) Lot 8(SENW)
429.0 ACRES TOTAL
63-11632 ✓

HOLTON, HARVEY
19595 NORTHSIDE BLVD
NAMPA, ID 83687
Source: GROUNDWATER
Diversions Pt: NWSW Sec 27 T 04N R 02W in CANYON County.
Use: IRRIGATION (2.880 CFS)
Total Diversion (2.880 CFS)
Date Filed: 2/3/1992
In: CANYON County
T04N R02W S27 NWNW SWNW NWSW
S28 NENE SENE
144.0 ACRES TOTAL
Water bearing zone to be appropriated is 25 to 260 feet.
63-11642 ✓

MAI, CARL
16759 FLORIDA AVE
CALDWELL, ID 83605
Source: GROUNDWATER
Diversions Pt: SENW Sec 11 T 03N R 03W in CANYON County.
Use: IRRIGATION (1.480 CFS)
Total Diversion (1.480 CFS)
Date Filed: 2/6/1992
In: CANYON County
T03N R03W S11 NENW SENW
74.0 ACRES TOTAL
Water bearing zone to be appropriated is 175 to 215 feet.
63-11647

HARRIS ORCHARD
BOX 23
GREENLEAF, ID 83626
Source: GROUNDWATER
Diversions Pt: NESESW Sec 28 T 04N R 04W in CANYON County.
Use: IRRIGATION (0.920 CFS)
Total Diversion (0.920 CFS)
Date Filed: 2/11/1992
In: CANYON County
T04N R04W S28 NESW SESW
46.0 ACRES TOTAL
Water bearing zone to be appropriated is 250 to 350 feet.
63-11647

SEP 19 1995

In: CANYON County
T04N R04W S28 NESW SESW
46.0 ACRES TOTAL
Water bearing zone to be appropriated is 250 to 350 feet.
63-11651
KNOWLTON, STEVE
THURGOOD, DOUGLAS J
11927 CHURCHILL COURT
HOUSTON, TX 77024
Source: GROUNDWATER
Diverison Pt: SWSE Sec 5 T 03N R 01W in CANYON County.
Use: IRRIGATION { 1.600 CFS }
Total Diversion { 1.600 CFS }
Date Filed: 2/11/1992
In: CANYON County
T03N R01W S05 SESW SWSE
80.0 ACRES TOTAL
Water bearing zone to be appropriated is 20 to 200 feet.
63-11655
COLEMAN, GERALDINE
COLEMAN, LOYD
PO BOX 186
MELBA, ID 83641
Source: GROUNDWATER
Diverison Pt: NWNENW Sec 25 T 01N R 02W in CANYON County.
Use: IRRIGATION { 0.800 CFS }
Total Diversion { 0.800 CFS }
Date Filed: 2/12/1992
In: CANYON County
T01N R02W S25 NENW
40.0 ACRES TOTAL
Water bearing zone to be appropriated is 150 to 250 feet.
63-11657
NAU, HOWARD
8760 W CHINDEN
MERIDIAN, ID 83642
Source: GROUNDWATER
Diverison Pt: SESENE Sec 29 T 04N R 02W in CANYON County.
Use: IRRIGATION { 2.360 CFS }
Total Diversion { 2.360 CFS }
Date Filed: 2/13/1992
In: CANYON County
T04N R02W S29 NENE SENE NESE SESE
118.0 ACRES TOTAL
Water bearing zone to be appropriated is 200 to 300 feet.
63-11659
WILD-IDA CORPORATION
WILDER HOP CO
PO BOX 287
WILDER, IDA 83676
Source: GROUNDWATER
Diverison Pt: SESE Sec 16 T 04N R 05W in CANYON County
Use: IRRIGATION { 2.860 CFS }
Total Diversion { 2.860 CFS }
Date Filed: 2/13/1992
In: CANYON County
T04N R05W S15 SWSW SESW
S16 NESE SESE
143.0 ACRES TOTAL
Water bearing zone to be appropriated is 100 to 530 feet.
63-11663
GROSS, CHARLES
GROSS, DOUG
PO BOX 241
WILDER, ID 83676
Source: GROUNDWATER
Diverison Pt: LOT 3 (NENWSW) Sec 30 T 04N R 04W in CANYON County.
Use: IRRIGATION { 3.000 CFS }
Total Diversion { 3.000 CFS }
Date Filed: 2/20/1992
In: CANYON County
T04N R04W S30 NESW Lot 3(NWSW Lot 4(SWSW) SESW
S31 Lot 1(NWNW) Lot 2(SWNW) NWSE
R05W S24 NESW NWSW SESW NWSE
S25 NWNE SWNE NWNW SENW
NESE NWSE
550.0 ACRES TOTAL
Water bearing zone to be appropriated is 120 to 500 feet.
63-11664
HUTER BROTHERS
9490 LINDEN
NAMPA, IDA 83687
Source: GROUNDWATER
Diverison Pt: SWNW Sec 34 T 04N R 02W in CANYON County.
Use: IRRIGATION { 2.920 CFS }
Total Diversion { 2.920 CFS }
Date Filed: 2/18/1992
In: CANYON County

In: CANYON COUNTY
T03N R04W S26 NWNW SWNW
S27 NENE
100.0 ACRES TOTAL
Water bearing zone to be appropriated is 160 to 400 feet.
63-11682
LOWE, DERALD W
6373 ROBINSON RD
KUNA, ID 83634
Source: GROUNDWATER
Diverison Pt: NWSW Sec 32 T 02N R 01W in CANYON County.
Use: IRRIGATION { 2.000 CFS }
Total Diversion { 2.000 CFS }
Date Filed: 2/28/1992
In: CANYON County
T02N R01W S32 NESW NWSW SWSW SESW
139.0 ACRES TOTAL
Water bearing zone to be appropriated is 170 to 220 feet.
63-11693
KRAJNIK, ED
KRAJNIK, ORVETA
KRAJNIK, GARY
9749 RIM RD
NAMPA, ID 83686
Source: GROUNDWATER
Diverison Pt: NENE Sec 20 T 02N R 02W in CANYON COUNTY.
Use: IRRIGATION { 1.600 CFS }
Total Diversion { 1.600 CFS }
Date Filed: 2/4/1992
In: CANYON County
T02N R02W S20 NENE NWNE
80.0 ACRES TOTAL
Water bearing zone to be appropriated is 150 to 250 feet.
63-11694
GOSSETT, CHARLES ELMER
9458 MISSOURI AVE
NAMPA, ID 83686
Source: GROUNDWATER
Diverison Pt: NWSE Sec 21 T 02N R 02W in CANYON County.
Use: IRRIGATION { 1.560 CFS }
Total Diversion { 1.560 CFS }
Date Filed: 3/6/1992
In: CANYON County
T02N R02W S21 NWSE SWSE
78.0 ACRES TOTAL
Water bearing zone to be appropriated is 160 to 200 feet.
63-11700
BATT, FRED
BATT, NORM
PO BOX 646
WILDER, ID 83676
Source: GROUNDWATER
Diverison Pt: SWSENE Sec 9 T 04N R 05W in CANYON County.
Use: IRRIGATION { 3.770 CFS }
Total Diversion { 3.770 CFS }
Date Filed: 3/6/1992
In: CANYON County
T04N R05W S09 NENE SENE NESE SESE
S10 SENW
188.5 ACRES TOTAL
Water bearing zone to be appropriated is 100 to 500 feet.
63-11701
GULLION, MARY E
419 E MAINE AVE
NAMPA, ID 83651
Source: GROUNDWATER
Diverison Pt: NENESE Sec 13 T 02N T 02N R 03W in CANYON County.
Use: IRRIGATION { 1.760 CFS }
Total Diversion { 1.760 CFS }
Date Filed: 2/24/1992
In: CANYON County
T02N R03W S13 SWNE SENE NESE NWSE
88.0 TOTAL ACRES
Water bearing zone to be appropriated is 130 to 210 feet.
63-11704
HATCH, HAL
2055 N TEN MILE
MERIDIAN, ID 83642
Source: GROUNDWATER
Diverison Pt: SWSW Sec 5 T 03N R 01W in CANYON County.
Use: IRRIGATION { 0.400 CFS }
Total Diversion { 0.400 CFS }
Date Filed: 2/28/1992
In: CANYON County
T03N R01W S05 SWSW
20.0 ACRES TOTAL
Water bearing zone to be appropriated is 40 to 200 feet.
63-11707
ABBOTT, DAVID M
6455 BENNETT RD

K... K...
7663 BASE LINE RD
MELBA, ID 83641
Source: GROUNDWATER
Diverison Pt: LOT 3 (NENW) Sec 2 T 01S R 02W in CANYON County.
Use: IRRIGATION { 1.600 CFS }
Total Diversion { 1.600 CFS }
Date Filed: 3/19/1992
In: CANYON County
T01S R02W S02 Lot 3(NENW) SENW
80.0 ACRES TOTAL
Water bearing zone to be appropriated is 58 to 166 feet.
63-11725
ELLIOTT, RICHARD E
ELLIOTT, ALICE MARIE
2364 SOUTH SIDE BLVD
MELBA, ID 83641
Source: GROUNDWATER
Diverison Pt: NWSW Sec 24 T 01N R 02W in CANYON County.
Use: IRRIGATION { 3.000 CFS }
Total Diversion { 3.000 CFS }
Date Filed: 3/19/1992
In: CANYON County
T01N R02W S24 SWNE SENW NESW NWSW
NWSE
180.0 ACRES TOTAL
Water bearing zone to be appropriated is 0 to 300 feet.
63-11726
STANLEY, WELTON
17447 CAN-ADA RD
NAMPA, ID 83687
Source: GROUNDWATER
Diverison Pt: SESENE Sec 1 T 03N R 02W in CANYON County.
Use: IRRIGATION { 1.920 CFS }
Total Diversion { 1.920 CFS }
Date Filed: 3/20/1992
In: CANYON County
T03N R02W S01 SWNE SENE SENW NESE
NWSE
96.0 ACRES TOTAL
Water bearing zone to be appropriated is 70 to 100 feet.
63-11736
TERADA, NOBU
11753 LONE STAR RD
NAMPA, ID 83651
Source: GROUNDWATER
Diverison Pt: SWNE Sec 30 T 03N R 02W in CANYON County.
Use: IRRIGATION { 0.800 CFS }
Total Diversion { 0.800 CFS }
Date Filed: 3/4/1992
In: CANYON County
T03N R02W S30 NWNE SWNE
40.0 ACRES TOTAL
Water bearing zone to be appropriated is 130 to 180 feet.
63-11739
BLATTNER, W R
2730 S LINDER
MERIDIAN, ID 83642
Source: GROUNDWATER
Diverison Pt: SENE Sec 31 T 02N R 01W in CANYON County.
Use: IRRIGATION { 3.200 CFS }
Total Diversion { 3.200 CFS }
Date Filed: 3/17/1992
In: CANYON County
T02N R01W S31 NENE NWNE SWNE SENE
160.0 ACRES TOTL
Water bearing zone to be appropriated is 149 to 245 feet.
63-11756
SORRELL, WILLIAM R
SORRELL, ELIZABETH A
29249 W HOWE
WILDER, IDA 83676
Source: GROUNDWATER
Diverison Pt: SWNE Sec 7 T 04N R 05W in CANYON County.
Use: IRRIGATION { 3.700 CFS }
Total Diversion { 3.700 CFS }
Date Filed: 3/18/1992
In: CANYON County
T04N R05W S06 SESE NWNE SWNE SENE
S07 NENE NENW
223.8 ACRES TOTAL
Water bearing zone to be appropriated is 230 to 270 feet.
Permits will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec. 42-203A, Idaho Code. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Way, Boise, Idaho 83705 together with a protest fee of \$25.00 on or before JULY 10, 1995. The protestant must also send a copy of the protest to the applicant.
KARL J. DREHER, Director
June 21, 28, 1995

THOMAS T. NICHOLSON
P.O. BOX 703
MERIDIAN, ID 83642
208-888-1593

APR 13 1991

April 16, 1991

Steve Lester
Sr. Water Resource Agent
Idaho Dept of Water Resources
2735 Airport Way
Boise, ID 83705

Dear Mr. Lester:

In response to your letter dated April 9, 1991, I submit the following:

a) Effect on existing water rights:

Irrigation pump will be located in the Snake River where water permits can still be filed. There will be no impact on other water rights.

b) Sufficiency of water supply:

This is a supplemental water request mainly for irrigation. In normal conditions, usage will be very limited or not at all. However, during the last three years, due to the drought, artesian well water flow has dropped to less than 50% and waste water through Melba waste ditch is practically non-existent. Therefore, this year (and future years if the drought continues) we will use the maximum amount of water we have filed upon.

The estimated diversion rate during the peak use period will be 12.82 cfs, and approximately 3.21 cfs during the average use periods. The volume to be diverted per year is estimated to be 271 million cfs. The water will be used during March 15 through November 15 for irrigation purposes and all year for stockwater purposes. The volume of water consumptively used will be 1,550.5 acre feet per annum.

The water will be obtained from the Snake River. The other permits that will be applied to this land are permits 63-00357, 63-00358, 63-02699, 63-02663.

*Large Diversion Information
Response No. 02-07442*

MAILED

SEP 13 1995

Steve Lester
Sr. Water Resource Agent
Idaho Dept of Water Resources
April 16, 1991
Page 2

c) Good faith, delay, or speculative purposes:

The water will be used on my own land, the point of diversion will be on property owned by Mark McDonough. We will be leasing his pumps and motors. A copy of the lease is attached. Mr. McDonough has been out of town and has not yet been able to return a signed copy of the lease to us.

No other water application for this land is now in process.

d) Financial resources:

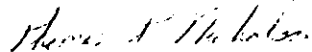
The cost of this usage is \$2,000 for the 1991 irrigation season. I am sufficiently funded to pay this cost. A copy of my personal financial statement is enclosed. I request that this information be kept completely confidential.

e) Local public interest:

It is my understanding that your office will advertise this in the local papers. As far as any irrigation or canal company within the project location, there are none.

I hope this information provides you with the information needed to process Application # 02-07442. If not, please let me or my secretary, Linda Boots, know.

Very truly yours,



Thomas T. Nicholson

TTN/lb

Enclosures

RECEIVED

SEP 13 1995

02-07464

NICHOLSON, THOMAS T
PO BOX 690
MERIDIAN, ID 83642

Source: SNAKE RIVER

Tributary: COLUMBIA RIVER

Diversion Pt: LOT 7 (SWSWNE) Sec 36 T 01N R 03W in CANYON County.

Use: IRRIGATION (6.910 CFS)
STOCKWATER (0.120 CFS)
Total Diversion: (6.910 CFS)

Date Filed: 05/25/1995

In: CANYON County
T01N R03W S22 Lot 5 (SENE) Lot 6 (NESW) Lot 7 (NWSE) Lot 8 (SWSE)
Lot 9 (SESE)
S25 NWSW SWSW SESW
S26 SWNE NENW NWNW Lot 2 (SWNW)
SENE NESW Lot 3 (NWSW) Lot 4 (SWSW)
Lot 4 (SESW) NESE NWSE SWSE
SESE
S27 Lot 4 (NENE) Lot 4 (SENE)
S35 Lot 6 (NENE) Lot 5 (NWNE) Lot 5 (NENW)
S36 NENW Lot 5 (NWNW) Lot 8 (SWNW) Lot 8 (SENE)

429.0 ACRES TOTAL

To _____	
Date <u>6-15-95</u>	Time _____ ☐ AM ☐ PM
WHILE YOU WERE OUT	
M <u>Carol</u>	
of <u>Id Press Tribune</u>	
Phone (<u> </u>) <u>467-9253</u>	
Area Code	Number Extension
TELEPHONED	PLEASE CALL ☒
CALLED TO SEE YOU	WILL CALL AGAIN
WANTS TO SEE YOU	URGENT
RETURNED YOUR CALL ☐	
Message <u>No date filed on legal add. Carol called & if was added.</u>	
<u>RECEIVED</u>	
SEP 13 1995 <u> </u>	
Operator	

LET'S GET IT TO BASICS

#71100

04/08/91 D. R. Tuthill

* MACALLISTER'S MODIFICATION OF MORITZ *
* LOSS CALCULATION FOR *
* THE Snake River Ditch *
* WATER RIGHT NO. 02-07442 *

Q DIVERTED: ~~12.82~~ 12.47
Q DELIVERED: ~~8.86~~ 8.58
PERCENTAGE LOSS: 44.74

TYPE OF SOIL: SANDY LOAM
SOIL CONSTANT= 1.50 (FEET/DAY)
LENGTH OF HEAD OF DITCH: 2.50
LENGTH OF DELIVERY SECTION: 2.50

LOSS TABLE FOR HEAD OF DITCH

MILE	Q (CFS)	LOSS (CFS)
1.00	11.89	0.93
2.00	10.99	0.90
2.50	10.56	0.43

LOSS TABLE FOR DELIVERY

MILE	Q (CFS)	LOSS (CFS)	Q DELIVERED (CFS)
1.00	6.17	0.85	3.54
2.00	1.96	0.66	3.54
2.50	0.00	0.19	1.77

Changes Based on
actual acres found
429 ac → 8.58 cfs
+ 44.74%

PROCESSED

SEP 13 1995

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 02-7442

1. Owner: THOMAS T NICHOLSON Phone No. 888 1593

Current Address: PO Box 690 MERIDIAN ID 83642

2. Accompanied by: TOM EXAM DATE: 7/14/94

Address: _____ Phone No. _____

Relationship to Permit Holder: _____

3. Source: Snake River tributary to Columbia River

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 63-356, 357, 358, 362, 363, 2311, 2378, 2380, 2663, 2699 - 11323, -2592
2. Other water rights with the same point of diversion: see attached

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
	7	SW	SW	NE	36	1N	3W	Canyon	

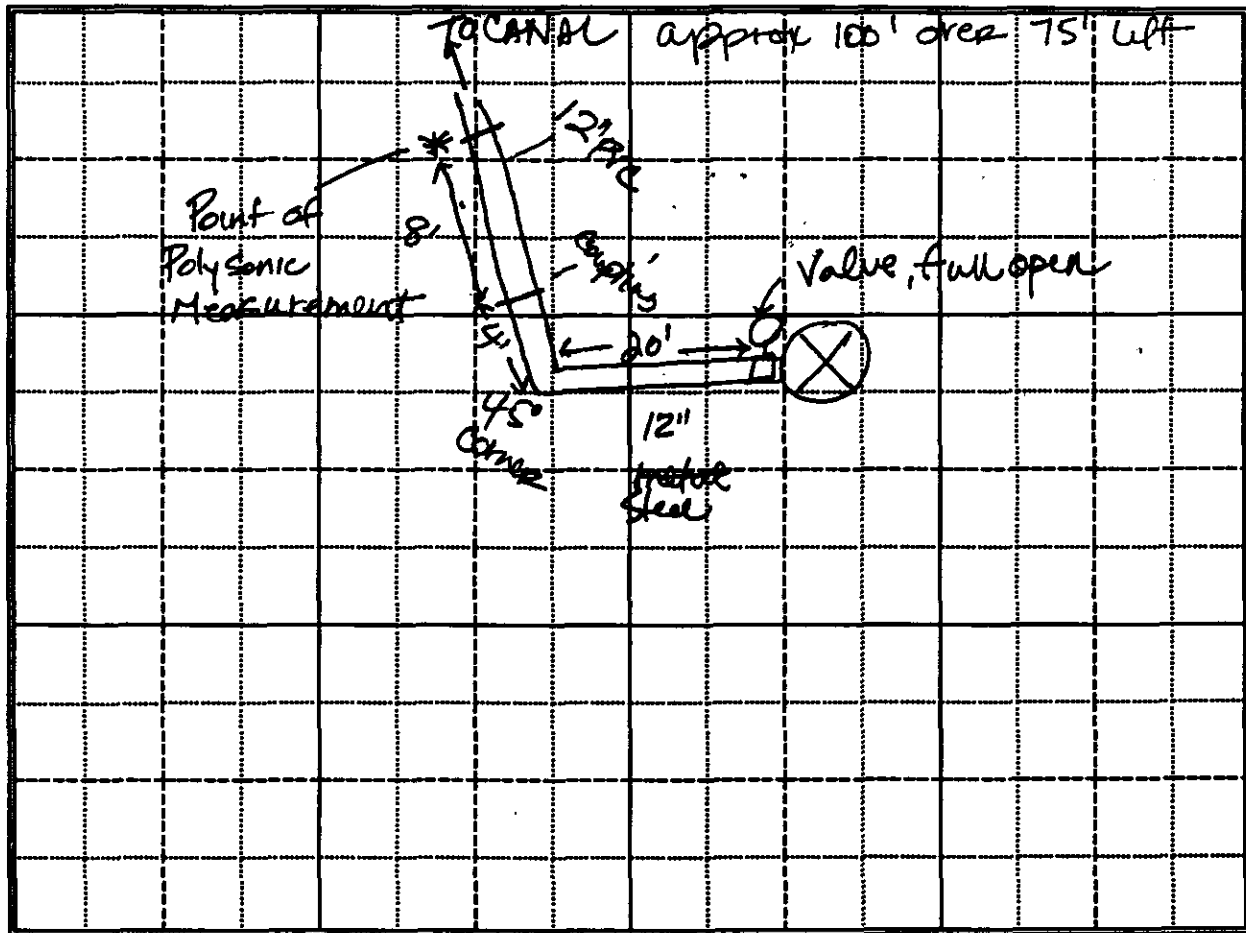
2. Place(s) of Use:

Indicate Method of Determination ASCS plot, USGS map

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
1N	3W	22								3	4				8	4	10		29
									L.5	L.6					L.7	L.8	L.9		
		25									3	35	10						48
		26			1		1	17	25	25	36	18	3	28	8	28	36	35	261
		27	15			1													16
		35	20	10			1												31
		36	L.4	L.5			L.5												44
							12	19	3	10									

429

3. Delivery System Diagram: Indicate all major components and distance between components. Indicate well size/ditch size/pipe I.D. as applicable.



Scale: 1" = 100'

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
1	GE	75	HN517392	Layne	12"

*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
Polysonic				SEP 1 1995		

2. Measurements: Poly - wall thickness .423 (PVC)
Circumference 3' 4.5" = 40.5" = 3.375'
Spacing = 9.950 in.

E. NARRATIVE/REMARKS, COMMENTS

Snake River pumping plant diverts to an open canal for irrigation via gravity flow and relift to pressurized systems.

Only one pumping plant used. P/O in Section 6 was not developed. Canal also carries waste water & flows licensed from ground water. (See also ~~63-11323~~ - 11323)
(See below)

Acreage determination = 409 ASCS acres + 20 acres developed @ NW end, not shown on tabulated acreage maps.

Overlaps: ^(P/O) All rights (Basin 02) listed in overlap review pumped by Harvest Farms ~~from~~ from a separate pumping system at the same platform location.

This system is a unique pump.

Other right (Basin 63) different source

^(P/O) All overlapping rights shown used on some of or all same acres, from waste water or groundwater sources, through common canal system w/relifts
(exam for 63-11323 conducted same time - not completed)

OUTER DIAMETER
12.8913 IN

PIPE MATERIAL
? PUC

WALL THICKNESS
0.4230 IN

INNER LINING
? NO LING.

KIND OF FLUID
? WATER

SENSOR MOUNTING
? U

TYPE OF SENSOR
? SMALL

DATA CHANGE
? NO

SPACING
9.950 IN U

ZERO MODE
CLEAR

ZERO MODE
AUT ZERO

ZERO MODE
ZERO OPR

00-00 00:1300 *R
+ 2.473E 36PM * 5.51
Gfs

00-00 00:1400 *R
+ 2.415E 36PM

MM-DD HH:MM
07-14 11:33

* Condition #4 - meas. device/port or certified measurement:
No device or port, but there is a suitable location for
polysonic measurement, which was accomplished SEP 14 1995

Have conditions of permit approval been met? * yes ___ no

Additional Computation Sheets Attached

5.51 Cfs

Check: HP equation

$$\frac{75 \times 8.8 \times 7}{75 + 10} = 5.44 \text{ cfs}$$

lift, from top wrap

head pressure, open discharge

1. Volume Calculations for Irrigation:

$$V_{LR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 429 \times 4.5 = 1930.5$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 5.51 \times 246 \times 1.9835 = 2688.6$$

$$V = \text{Smaller of } V_{LB} \text{ and } V_{DB} = 1930.5$$

9.

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (af/a)
IRR	3/15	11/15	5.51	1930.5
Totals:			5.51	1930.5

Change P.D. as reflected above

Add P.D. as reflected above

None

Change P.U. as reflected above

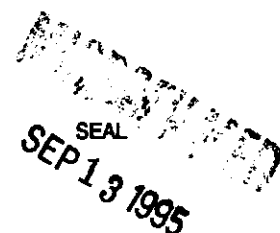
Add P.U. as reflected above

Other

Field Examiner's Name

Cindy Hodges

Date 12/28/94

Reviewer**Date**

Gilman
Hot Springs

02-7442
IN3W

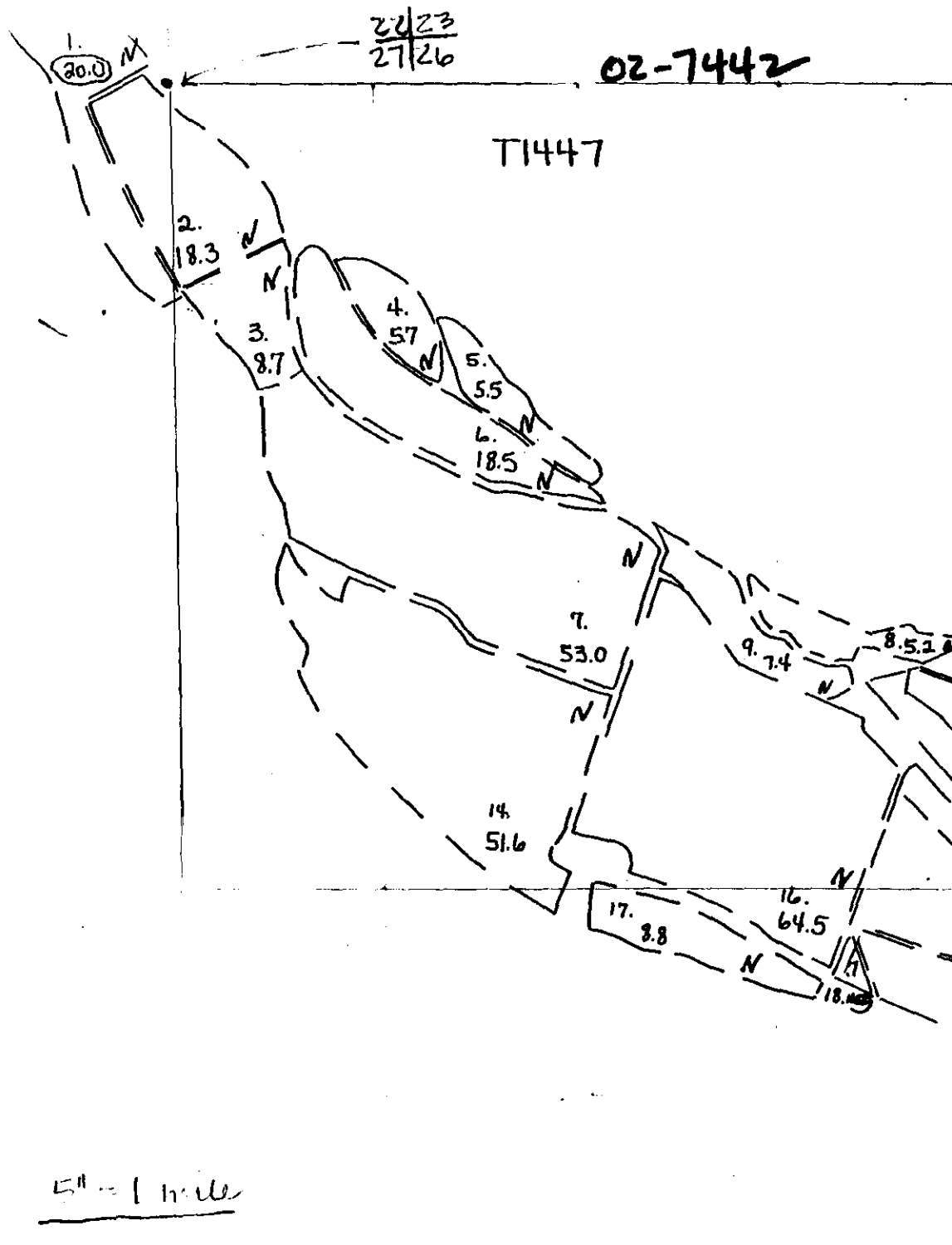
BM
2266

#L = handline
sets
→ direction of
flow, gravity
sets

SCALE 1:24,000

TIN

402



FROM CANYON ASCS
C & T Ranches

Sections 35, 36, 26, 25
1N 3W
(Canyon Co.)

• denotes section marker

26/25
35/36

5" = 1 mile

