

District

Ident. No. 01-07135

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of Applicant Idaho Water Resource Board Phone (208) 327-7900
Mailing address 1301 N. Orchard St., Boise, ID 83706

2. Source of water supply Snake River which is a tributary of Columbia River

3. Location of point of diversion is Township 04N Range 37E Sec. 35, in the 1/4,
NE 1/4, NE 1/4, Govt. Lot _____, B.M., Bonneville County;
additional points of diversion if any: T2N R37E SEC 12 NENW

4. Water will be used for the following purposes:
Amount 949.0 cfs for Groundwater Recharge purposes from 01/01 to 12/31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated is (a) 949.0 and/or (b) _____
cubic feet per second acre feet per annum

6. Proposed diverting works:
a. Describe type and size of devices used to divert water from the source Headworks of Great Western and Porter Canals
b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet
c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet
d. Is ground water with a temperature of greater than 85°F being sought? _____
e. If well is already drilled, when? _____; Drilling firm _____
Well was drilled for (well owner) _____; Drilling Permit No. _____

7. Time required for completion of works and application of water to proposed beneficial use is 5 years (minimum 1 year)

8. Description of proposed uses (if irrigation only, go to item 9):
a. Hydropower; show total feet of head and proposed capacity in KW. _____
b. Stockwatering; list number and kind of livestock. _____
c. Municipal; show name of municipality. _____
d. Domestic; show number of households. _____
e. Other; describe fully. Groundwater Recharge using canal systems

9. Description of place of use:

a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.

b. If water is used for other purposes, place a symbol of the use (example: *D* for *Domestic*) in the corresponding place of use below. See instructions for standard symbols. SEE ATTACHED RECHARGE PLAN

TWP	RGE	SEC	N E				N W				S W				S E				TOTALS		
			NE	NW	SW	SE															

Total number of acres to be irrigated _____

10. Describe any other water rights used for the same purposes as described above. _____

11. a. Who owns the property at the point of diversion? New Sweden Irrigation Dist

b. Who owns the land to be irrigated or place of use? New Sweden Irrigation Dist

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: There is an agreement signed by the canal and the Board

12. Remarks: _____

13. MAP OF PROPOSED PROJECT REQUIRED - Attach an 8 1/2"x11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. (A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.)

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

Clarena Barr
 Signature of Applicant (and title, if applicable)

Received by MA Date 3-20-98 Time 3:30 P Preliminary check by _____
 Fee \$ N/A Received by _____ # _____ Date _____
 Publication prepared by _____ Date _____ Published in _____
 Publication approved _____ Date _____

AN AGREEMENT TO CONVEY RECHARGE WATERS
BETWEEN THE IDAHO WATER RESOURCE BOARD
AND
NEW SWEDEN IRRIGATION DISTRICT

This Agreement is entered into by and between the Idaho Water Resource Board (hereinafter "IWRB") and the New Sweden Irrigation District (hereinafter "Company" or "District"). The purpose of this Agreement is to secure permission for the IWRB to convey waters through the water delivery system of the Company or District to the place of recharge.

NOW THEREFORE, IN CONSIDERATION OF THE PROMISES STATED
HEREIN:

1. The Company or District hereby agrees to allow recharge waters to be diverted into its canal system for recharge and conveyance purposes at times when water is available to IWRB for recharge purposes and unused capacity is available in the canal system to carry the recharge waters. The legal description of the points of diversion to the canal system are as follows: T4N R37E Sec 35 NENE and T2N R37E Sec12 NENW, Bonneville County.

2. The Company or District further agrees to allow the recharge waters to be conveyed unimpeded through its canals and ditches to the place of recharge described as follows: _____.

__ [see appended ATTACHMENT for legal description of recharge site]

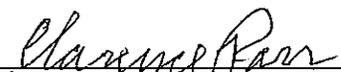
3. The parties jointly acknowledge and accept as consideration for this Agreement the water supply benefits expected to be derived from the managed recharge of the state's ground water basins. Subject to the availability of funds, IWRB agrees to pay and the Company or District agrees to accept as additional consideration for this Agreement a per acre-foot conveyance fee, as determined by IWRB, to be paid for the water diverted into and conveyed through the Company's or District's canal system for recharge purposes.

4. IWRB agrees to indemnify and hold harmless the Company or District from all liability and expense on account of claims, suits and costs growing out of or connected with willful or negligent acts, errors, or omissions by its employees or agents, provided, however, that the Company or District shall not be relieved hereby from liability for its own willful or negligent acts, errors, or omissions, and those of their employees or agents.

5. This Agreement shall remain in effect for one year from the date of execution and shall renew annually unless terminated by either party after 90 days written notice.



Title:
Representing: *New Sweden Irrig.*
Date: 2/27/98



Chairman
Idaho Water Resource Board
Date: 3/24/98

AQUIFER RECHARGE PLAN
EASTERN SNAKE PLAIN AQUIFER

1. NAME AND ADDRESS OF THE PARTICIPATING ORGANIZATION:

NAME NEW SWEDEN IRRIGATION DISTRICT
ADDRESS 2350 W 17TH S
IDAHO FALLS, ID 83402
CONTACT PERSON PAUL BERGGREN
PHONE (208) 523-0175
ADDRESS 2350 W 17TH S
IDAHO FALLS ID 83402

2. PROPOSED BEGINNING AND ENDING DATES OF RECHARGE:

ANTICIPATED STARTING DATE: APRIL 15, 1995
ANTICIPATED ENDING DATE: SEE NOTE UNDER # 6

3. AMOUNT OF WATER REQUESTED: 20,000 Acre-feet.

4. MAP OF RECHARGE AREA

Attach a map of the recharge area paying specific attention to location of features directly related to the recharge effort. This would include such things as measuring devices, seepage pits, injection wells etc. These features should be indicated on the map and then identified and described below.

- | | |
|--------------------------------------|------------------------------------|
| A. <u>HEADWORKS OF GREAT WESTERN</u> | B. <u>BROAD-CRESTED WEIR</u> |
| C. <u>OAKLAND CANAL</u> | D. <u>MARTIN CANAL</u> |
| E. <u>OAKLAND WASTE CANAL</u> | F. <u>MARTIN CANAL SINKS</u> |
| G. <u>SINKHOLE LATERAL</u> | H. <u>HEADWORKS OF WASTE DITCH</u> |
| I. <u>WEIR AT END OF WASTE DITCH</u> | J. <u>EQUALIZING RESERVOIR</u> |
| K. <u>OUTLET MEASURING DEVICE</u> | L. <u>OUTLET OF GREAT WESTERN</u> |

5. MEASUREMENT FREQUENCY FOR EACH MEASURING DEVICE IDENTIFIED IN 4.

A. —	B. <u>HYDROMET STATION 13057135</u> <u>(CONTINUOUS READING)</u>
C. —	D. —
E. —	F. —
G. —	H. —
I. <u>DAILY BY PAUL BERGGREN</u>	J. —
K. <u>DAILY BY PAUL BERGGREN</u>	L. —

6. WRITTEN SUMMARY OF PROPOSED RECHARGE PLAN

This summary should include such things as time limited elements of the plan, the measuring devices and procedures that will be used to identify water that is diverted but not recharged.

* PLEASE SEE ATTACHMENT A-1

* #2 (CONT.) - RECHARGE SUSPENDED 15 MAY 1995 PENDING

INSTALLATION OF WEIRS AT OFF-CANAL EQUALIZING RESERVOIR.

ONCE DEVICES ARE INSTALLED, RECHARGE MAY RESUME. RECHARGE
MAY ALSO RESUME AFTER IRRIGATION SEASON.

RECHARGE PROPOSAL NEW SWEDEN IRRIGATION DISTRICT

The New Sweden Irrigation District wishes to participate in the recharge efforts established by the 1995 Idaho Legislature by recharging additional water through the New Sweden system this spring. The New Sweden canal system has the ability to divert water to the edge of the margin between the alluvial valley and the basalt flows that boarder the valley between Idaho Falls and Blackfoot. New Sweden diverts water from the west bank of the Snake River near Idaho Falls. And supplies over 35,000 acres of land located between the Jefferson County line and Blackfoot.

THE PROPOSAL

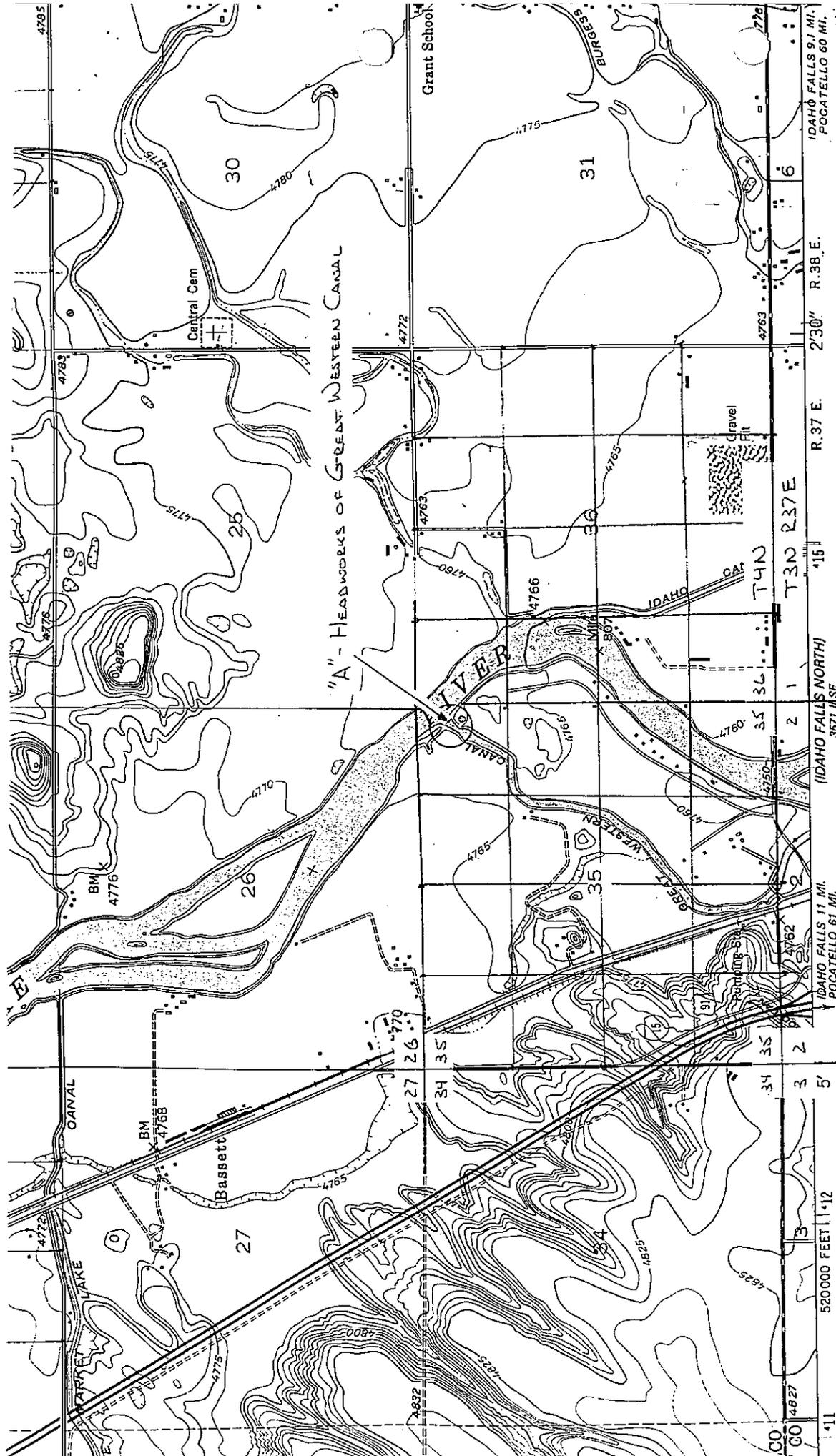
Normally New Sweden does not start running water in its system until the first week in May. Starting on April 15, 1995 New Sweden will start running water through the Great Western canal and into a reservoir that New Sweden uses as a regulating reservoir in the Riverview area between Shelley and Firth. This reservoir has not been used in recent years because the seepage losses are so high. New Sweden also plans to run additional water in the Martin, the Sink Hole and the Capitol Hill canals through the Oakland Canal. All of these are high-seepage canals. New Sweden will measure all of the wastes back to the river. All of the water not returned to the river will be considered recharge up until the time that ET from irrigation starts to be a significant factor. After irrigation starts monitoring and measuring will continue in specific locations to determining actual losses that are in addition to those that normally occur. The work on fixing sinkholes in some of the canals that are supplied by the Oakland will be suspended for this year and those losses will be measured as long as the recharge effort continues this year.

Submitted to Water District 1 April 14, 1995.



For the Directors

Paul Berggren, Manager



al Survey

520000 FEET 12

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 0.5 1 KILOMETER

SCALE 1:24 000

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

QUADRANGLE LOCATION

IDAHO

IDAHO FALLS 11 MI.
POCATELLO 61 MI.

IDAHO FALLS 9.1 MI.
POCATELLO 60 MI.

R. 37 E. 230' R. 38 E.

T3N R37E

IDAHO CANAL

GREAT WESTERN CANAL

Central Cem

Gravel Pit

Grant School

IDAHO FALLS

POCATELLO

3571 MISE

520000 FEET 12

0°44' 13 MILLS

17° 302 MILLS

GN

MN

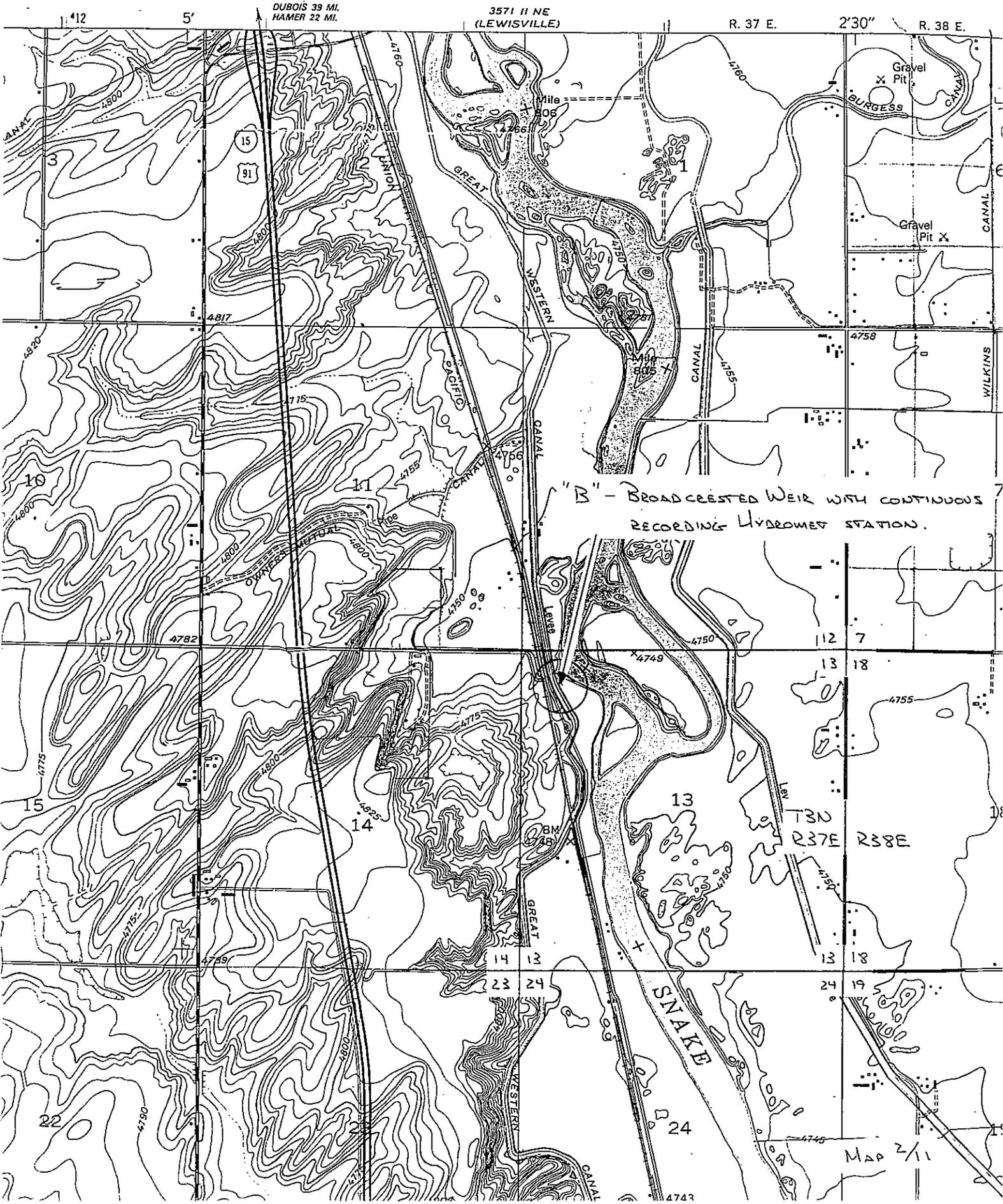
UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revision shown in purple and woodland color

M 20 1/1



DUBOIS 39 MI.
HAMER 22 MI.

3571 11 NE
(LEWISVILLE)

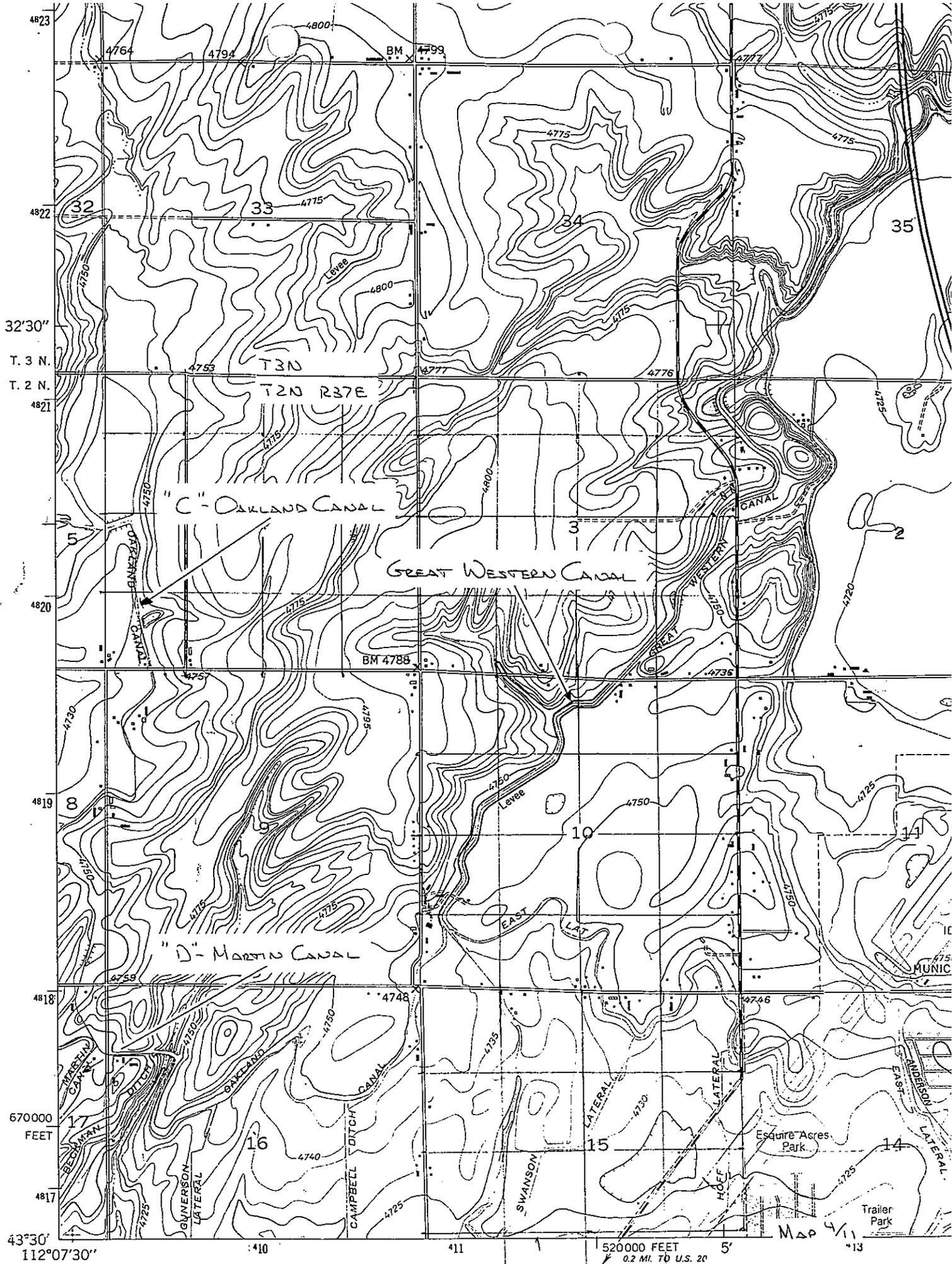
R. 37 E.

2'30"

R. 38 E.

"B" - BROADCRESTED WEIR WITH CONTINUOUS
RECORDING HYDROMET STATION.

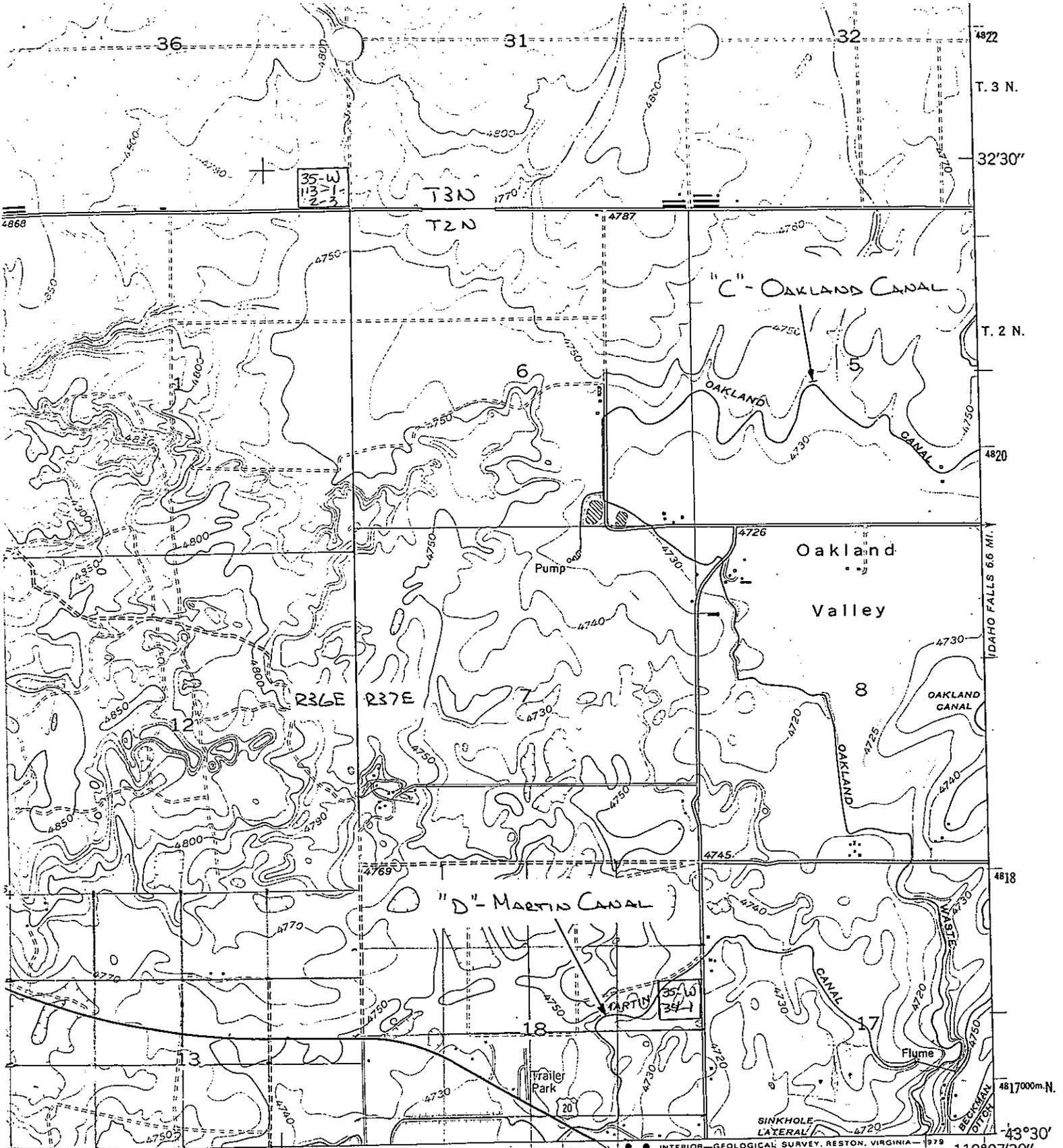
Map 2/11



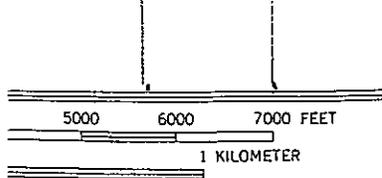
Mapped, edited, and published by the Geological Survey

520000 FEET
0.2 MI. TO U.S. 20
ARCO 62 MI.

MAP 4/11



10' R. 36 E. R. 37 E. 17 MI. TO INTERSTATE 15 IDAHO FALLS 18 MI.



FEET
SCALE
OF 1929



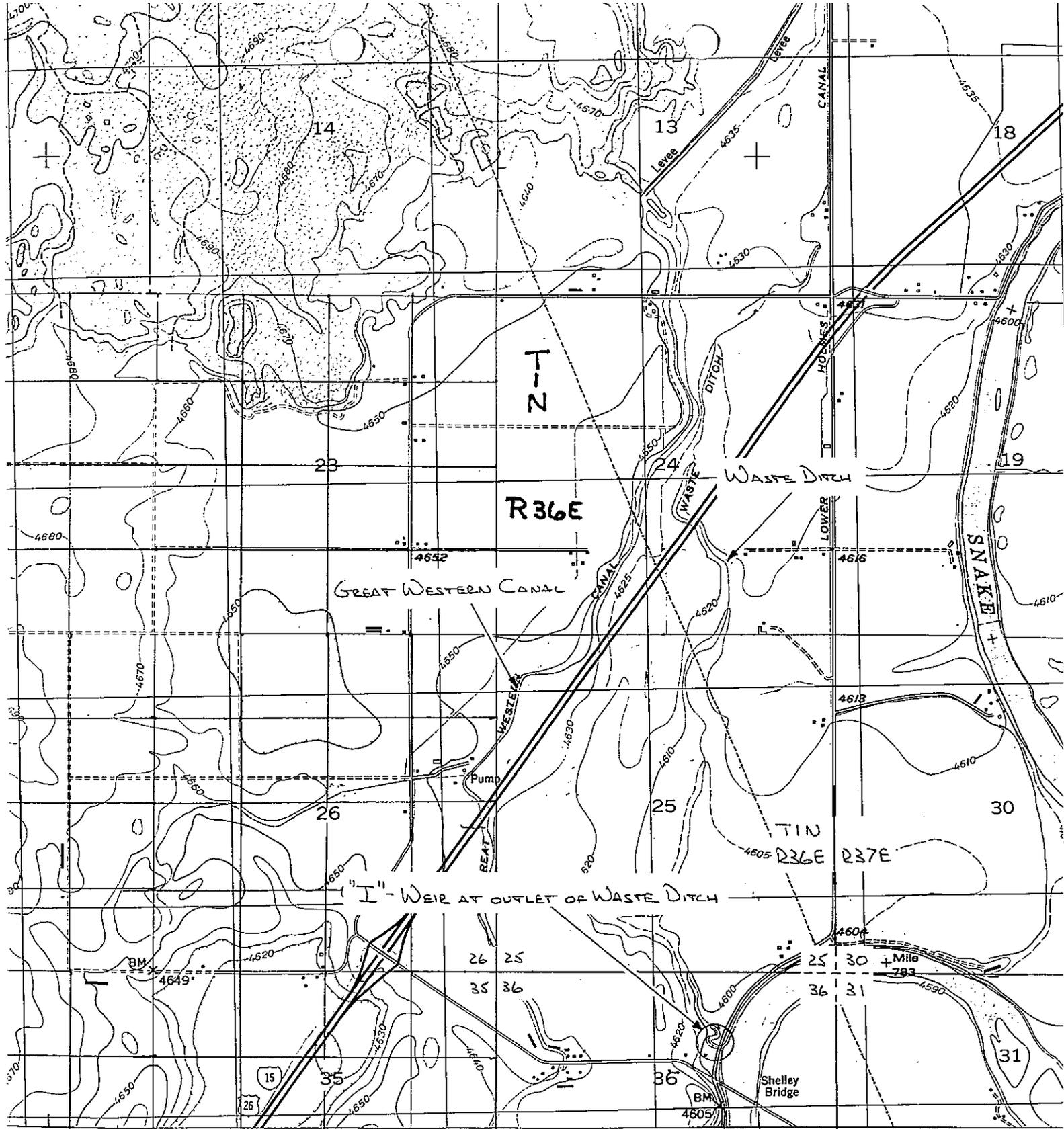
ROAD CLASSIFICATION

HARD-SURFACE ALL WEATHER ROADS	DRY WEATHER ROADS
Heavy-duty _____ 4 LANE 16 LANE	Improved dirt _____
Medium-duty _____ 4 LANE 16 LANE	Unimproved dirt _____

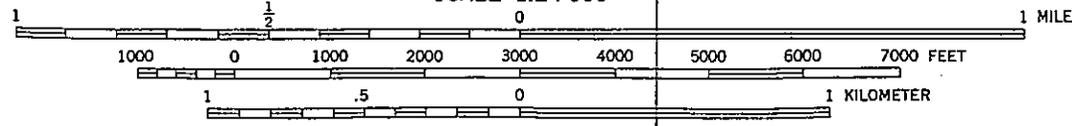
U. S. Route State Route
 Map 5/11

SHATTUCK BUTTE, IDAHO
 SW/4 ROBERTS 15' QUADRANGLE

X-C



SCALE 1:24 000



CONTOUR INTERVAL 10 FEET
 DOTTED LINES REPRESENT 5-FOOT CONTOURS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

101 MAD 9/11
 QUADRANGLE LOCATION

Print
 hard
 Sec
 harc



PROPOSED WEIR LOCATION

"J" EQUALIZING RESERVOIR

GREAT WESTERN CANAL

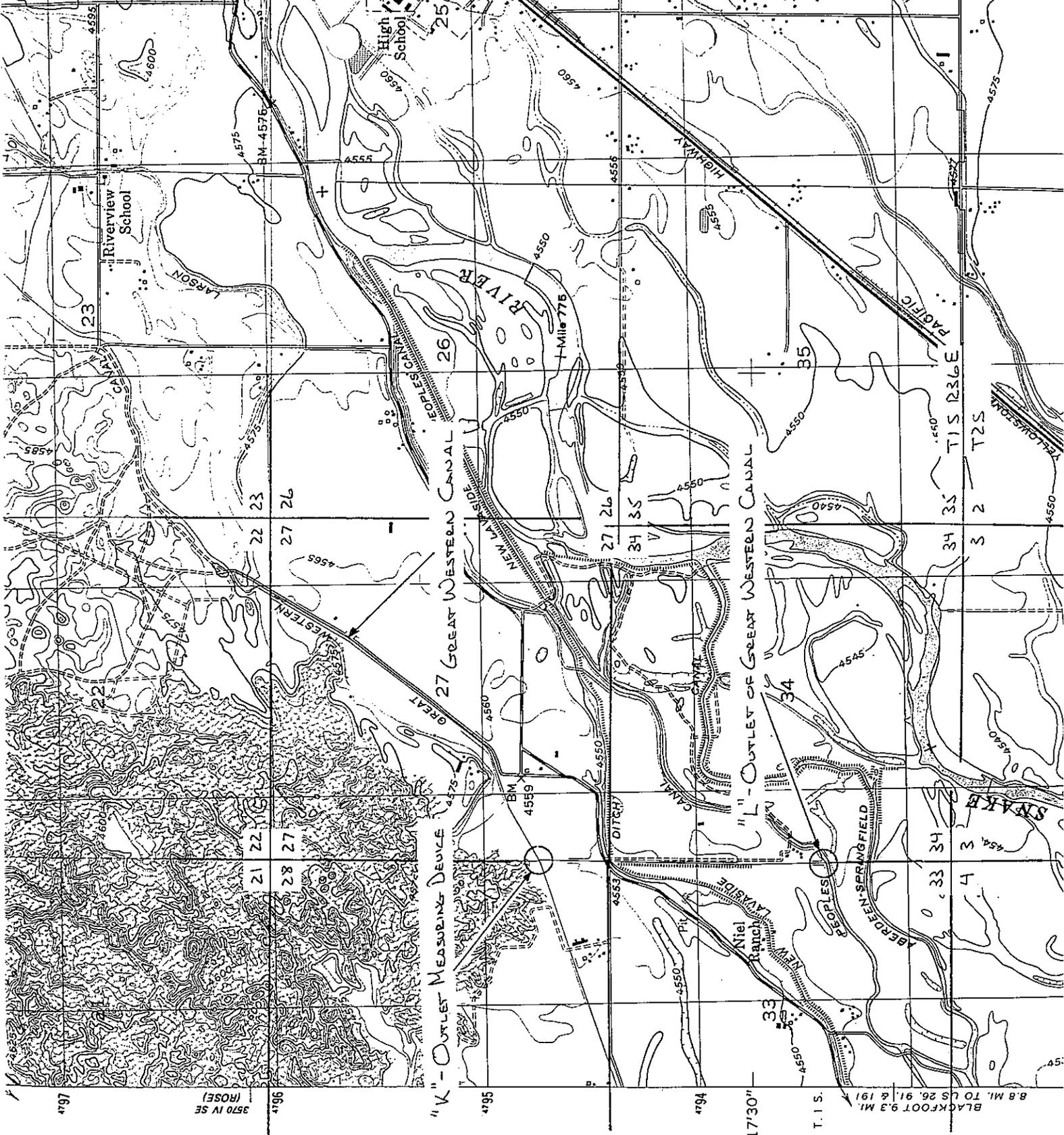
Riverview School

Basalt Cem.

Gravel Pit

Basalt

Map 16/11



Map 11/1