

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
NOV 29 1993
Department of Water Resources

A. GENERAL INFORMATION

Permit No. 01-07054
37-07842

1. Owner: Lower Snake River Recharge District Phone No. 837-4887

Current Address: Box 48, Hagerman, Idaho

2. Accompanied by: Gerald Martens EXAM DATE: _____

Address: 1139 Falls Ave. E, Twin Falls, Idaho Phone No. 734-4888

Relationship to Permit Holder: None

3. Source: Snake River/Big Wood River tributary to See Narrative

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None

2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		SE	NE		22	5S	17E	Lincoln	7.5 minute quadrangle

2. Place(s) of Use:

Indicate Method of Determination

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
5S	17E	22			X	X			X	X	X	X		X		X	X		

PETITIONER'S
EXHIBIT 202

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

See attached exhibits and recharge structure plans.											
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Scale: 1" = _____

____ 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
N/A					

*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
Milner Gooding Canal Measuring Stations 56 and 57						

2. **Measurements** Water measured in concrete flume above and below diversion.
 Diversion quantity is mathematical difference. Upstream flow measured at Milner Gooding Canal Diversion Structure 56. Downstream measurement at Milner Gooding Canal Structure No. 57. Rating curves have been established for both stations. See attached ledger.

E. NARRATIVE/REMARKS/COMMENTS

Measurement flow records for April 1986, as prepared by Big Wood Canal Company. Attached are flow records.

The Big Wood Canal Co-mingles water from Snake River and Bigwood River upstream of diversion. District routinely replaces water from one source with water from other sources. At time of proof of Beneficial Use Report the Bigwood water was supplementing Snake River flows to facilitate flows measured at diversion.

Division agreement between Lower Snake River Recharge District and Bureau of Land Management attached for your information.

Attached is a flow summary sheet that tabulates the recharge rate of flow and the maximum potential contribution to total recharge from each potential source.

↑
this document
already in file
below

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

F. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

See Section E.

G. VOLUME CALCULATIONS N/A

1. Volume Calculations for Irrigation:

 $V_{I,R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____ $V_{D,R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____ $V = \text{Smaller of } V_{I,R} \text{ and } V_{D,R} =$ _____

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		
Groundwater Recharge	1-1	12-31	300 CFS	
Totals:			300 CFS	

2. Recommended Amendments

____ Change P.D. as reflected above ____ Add P.D. as reflected above ____ None
____ Change P.U. as reflected above ____ Add P.U. as reflected above ____ Other

I. AUTHENTICATIONField Examiner's Name GERALD MARTENS Date 11/24/93

Reviewer _____ Date _____



EHM Engineers Inc.
1139 Falls Ave. E
Twin Falls, Idaho 83301

Re: Water permit # 37-07842

Dear Mr. Martins:

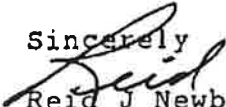
Enclosed find copy of the record for water diverted into the recharge area from the Milner-Gooding canal North of Shoshone, Idaho.

The method used for caculating this discharge is as follows. Measuring Station # 56 above the concrete flume on the Milner-Gooding canal was measured, Measuring station # 57 below the recharge diversion was also measured, the difference is the caculated amount of water diverted into the recharge area.

Rating curves were established for both of the measuring stations on the Milner-Gooding canal.

I sincerely hope this will satisfisy the requirments for permit # 37-07842.

Sincerely


Reid J Newby

P.O. Box N
Shoshone, Idaho 83352

1985

No	X	No	Y	No	Z	+ or -	No	21	No	42	No	100
1		6/22/92									9.31	100
2		This is a copy of Big Island Canal Co. Record for April 1996 Water into Recharge.										
3		Yellow										
4												
5												
6												
7												252
8												260
9												260
10												265
11												261
12												253
13												270
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31												274

This is a copy of Big Island Canal Co. Record for April 1996 Water into Recharge.

Yellow

for Permit # 37-07842

Red heavily

in C.F.S. Back Day.

for Permit # 37-07842

Red heavily

in C.F.S. Back Day.

for Permit # 37-07842

Red heavily

in C.F.S. Back Day.

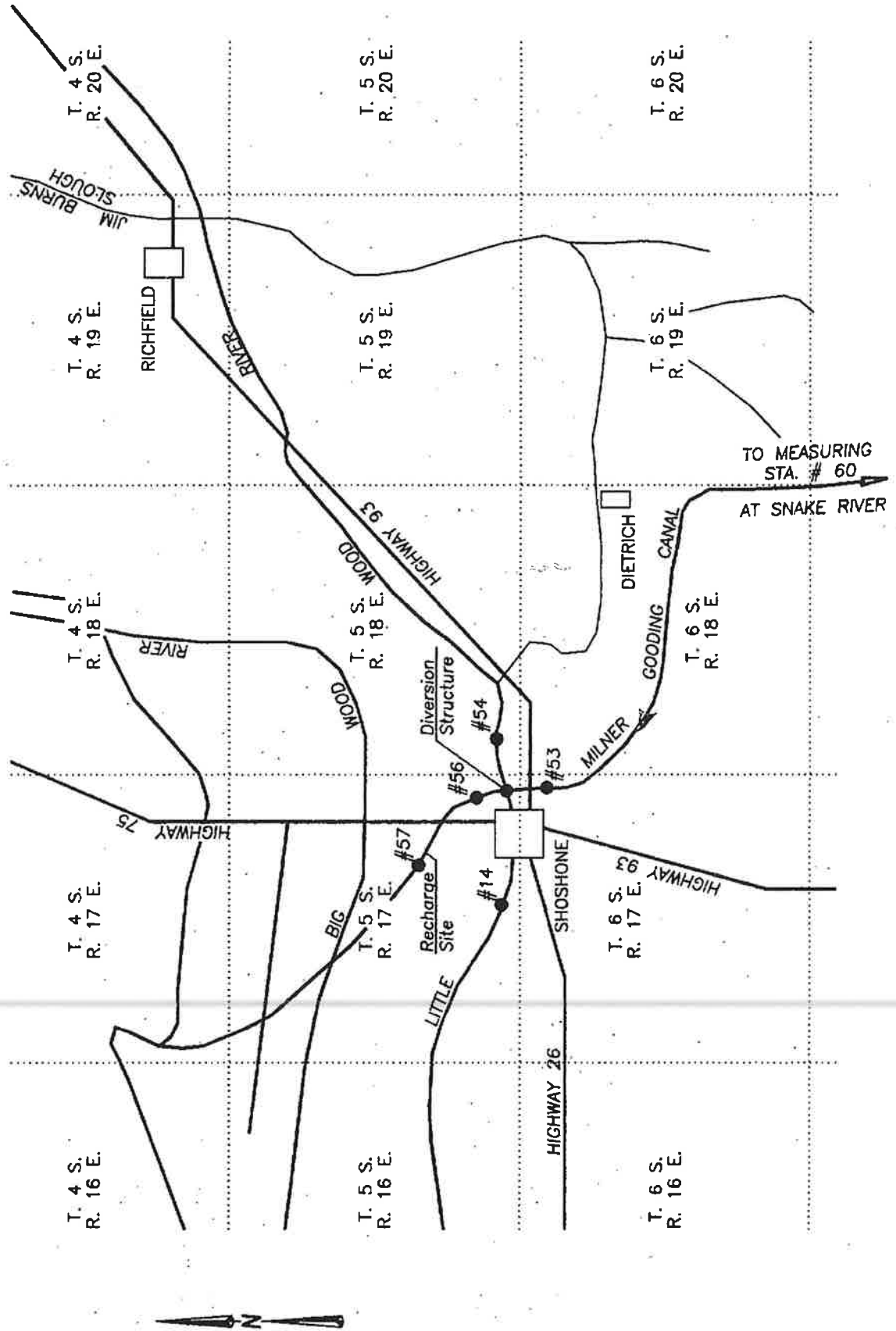
for Permit # 37-07842

Red heavily

in C.F.S. Back Day.

Exhibit For Lower Snake River Aquifer Recharge

Permit No's. 01-07054 & 37-07842

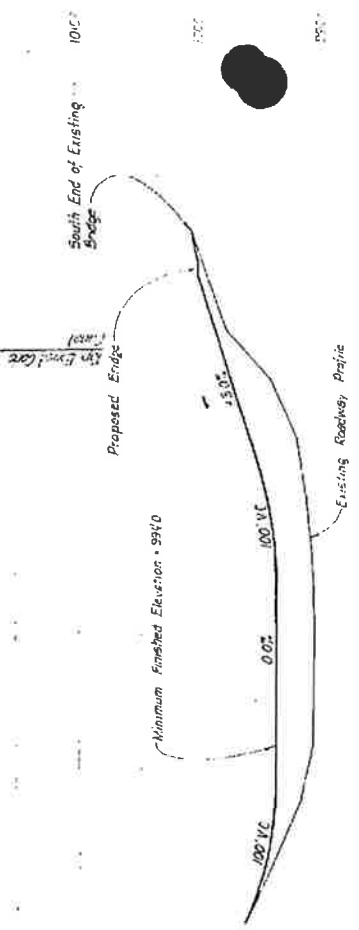
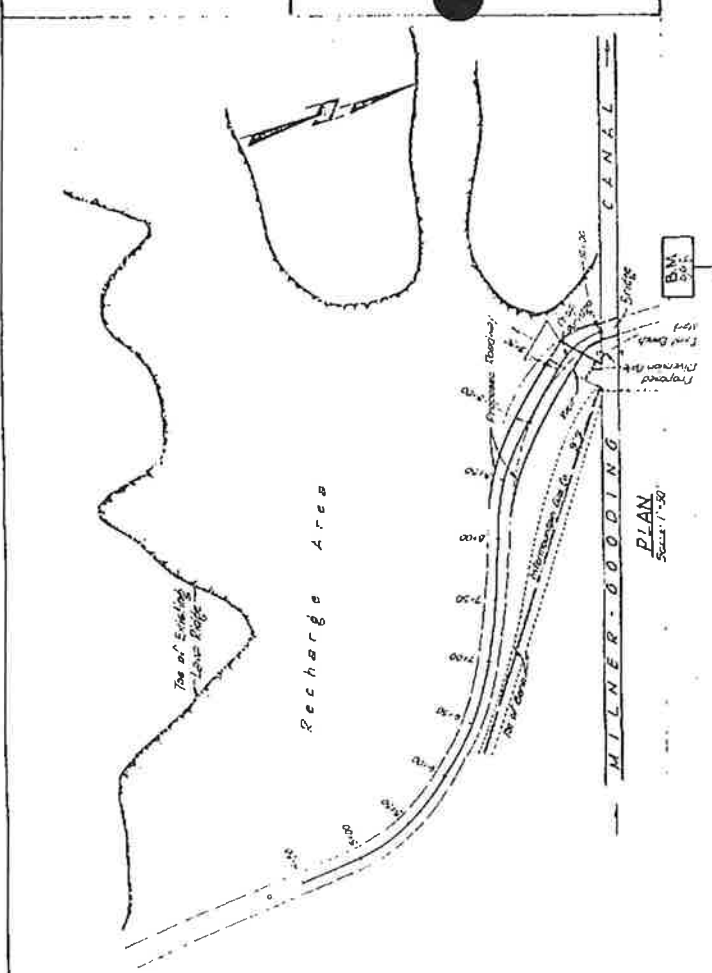


Summary of Recharge
Records for
Lower Snake River Recharge
Permit No. 01-07054 & 37-07842

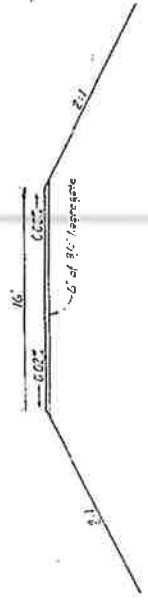
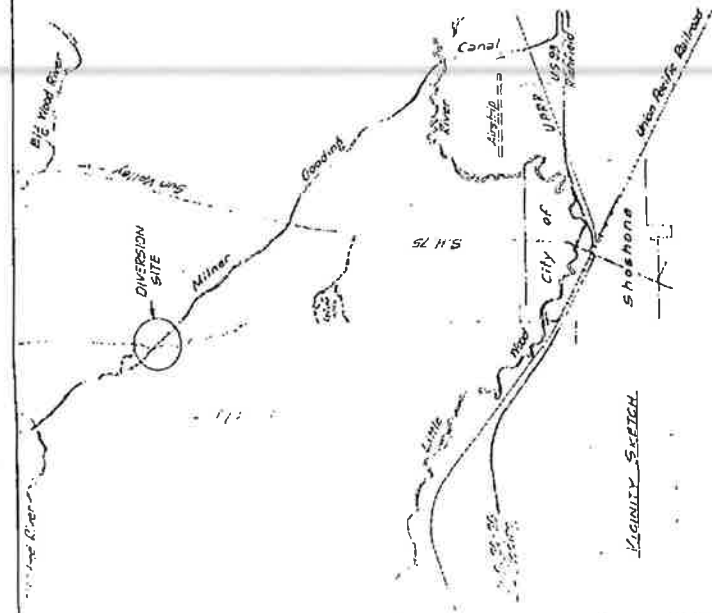
MEASURING STAT ON								RECHARGE	MAX POSSIBLE RECHARGE FROM BIG WOOD	MAX POSSIBLE RECHARGE FROM SNAKE RIVE
DATE	JBS	14	53	54	56	57				
04-07-86			220		252	252	0			
04-08-86						260	260	260		
04-09-86		646	425		432	260	172	172		
04-10-86			401		448	265	183	183		
04-11-86	97	692	472		460	265	195	195	97	
04-12-86	57		472			261	261	261	57	
04-13-86	62					270	270	270	62	
04-14-86	66	717	486	787	486	275	211	211	66	
04-15-86	52	681	485	721	482	252	230	230	52	
04-16-86	57	659	479	689	470	239	231	231	57	
04-17-86	43	636	405	674	496	223	273	273	43	
04-18-86	40	604	614	628	632	310	322	322	40	
04-19-86	73	556	596	564	618	342	276	276	73	
04-20-86	142		596	563			---	---	142	
04-21-86	141	615	596	651	618	342	276	276	141	
04-22-86	50	526	585	544	604	350	254	254	50	
04-23-86	221	454	566	544	580	360	220	220	220	
04-24-86	213	596	572	636	586	396	190	190	190	
04-25-86	168	560	563	585	580	394	186	186	168	
04-26-86	181	500	644	524	654	340	314	314	181	
04-27-86	172		644	530			---	---	172	
04-28-86	165	615	696	537	648	466	182	182	165	
04-29-86	158	580	670	503	626	465	161	161	158	
04-30-86	142	506	661	420	616	459	157	157	142	

JBS - Jimmy Byrnes Slough
 All flows in CFS as recorded by Bigwood Canal Co.
 Recharge = 56-57
 Max Recharge (from Snake River): Total discharge but not to exceed flow at M.S. 53. M.S.
 Max Recharge (from Big Wood River): Total discharge from JBS but not to exceed total
 discharge.
 Measuring stations 14+56 should approximately total measuring stations 53+54

MILNER - GOODING REGION

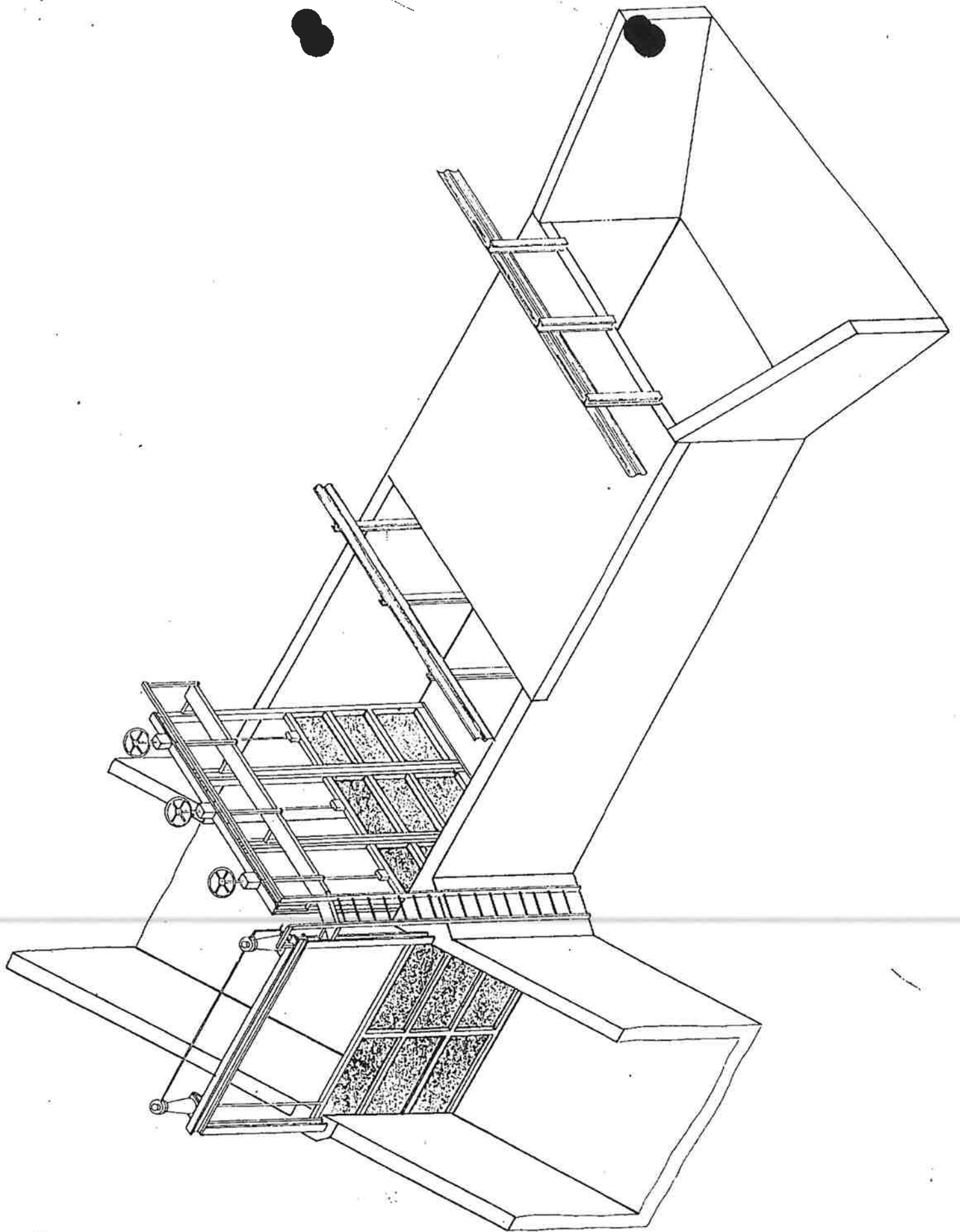


ROADWAY PROFILE



TYPICAL ROADWAY SECTION
NTS

14 E 2000



Materials with Highw. Curv. All Me of Bar. Slab 1 is Pl. formally Edges tion Other

DE

AC: 1.2
KEY: 1
Des: 1
Met: 1
Conc: 1
T.O: 1
S: 1

