

Book #81 - Dr #8

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Lake 117p. Survey

Fish Spawning Pond.

From L. Josephine Co. to L. Johnson

Road Acc't. No. _____

Date Filed 6/1/31

File L. I.

Proposed Fish Spawning
Pool between Josephine
& Johnson

+ H.I. -

B.M. 5.52 890.76 ✓ 885.24 B.M.[#] 47

7.65 883.11 ✓ →

B.M.[#] 47 5.17 891.01 ✓ 5.52 885.24 ✓

T.P. 4.05 888.88 6.18 884.83 ✓

9.70 879.18 ✓

9.35 879.53 ✓

B.M.[#] 47 4.00 889.24 ✓ 885.24

T.P. 11.62 896.49 3.37 885.87 ✓

T.P. 8.80 900.16 1.13 895.36

T.P. 0.31 890.40 13.07 890.09

B.M. 8.71 890.93 9.18 883.22

T.P. 2.67 886.08 7.52 883.41

B.M. 4.18 883.15 7.11 878.97

6.75 870.40

B.M. 7.87 890.09 ✓ 883.22

10.40 878.69 ✓

B.M. 3.60 888.84 885.24

8.8 880.04 ✓ →

B.M. 4.50 886.72 883.22

8.4 878.32 ✓ →

Spike in T.R. near Josephine Lake (Pump.)

Water Elev. Lake Josephine. 3/14/31

= Elev. E. invert of X Drain Homline Ave.

= Elev W. " " " " " " "

W. end. ^{Top} 24" P. 3 X Drain Anoka Cutoff.

Top of Rock.

Top iron pipe to Cor.

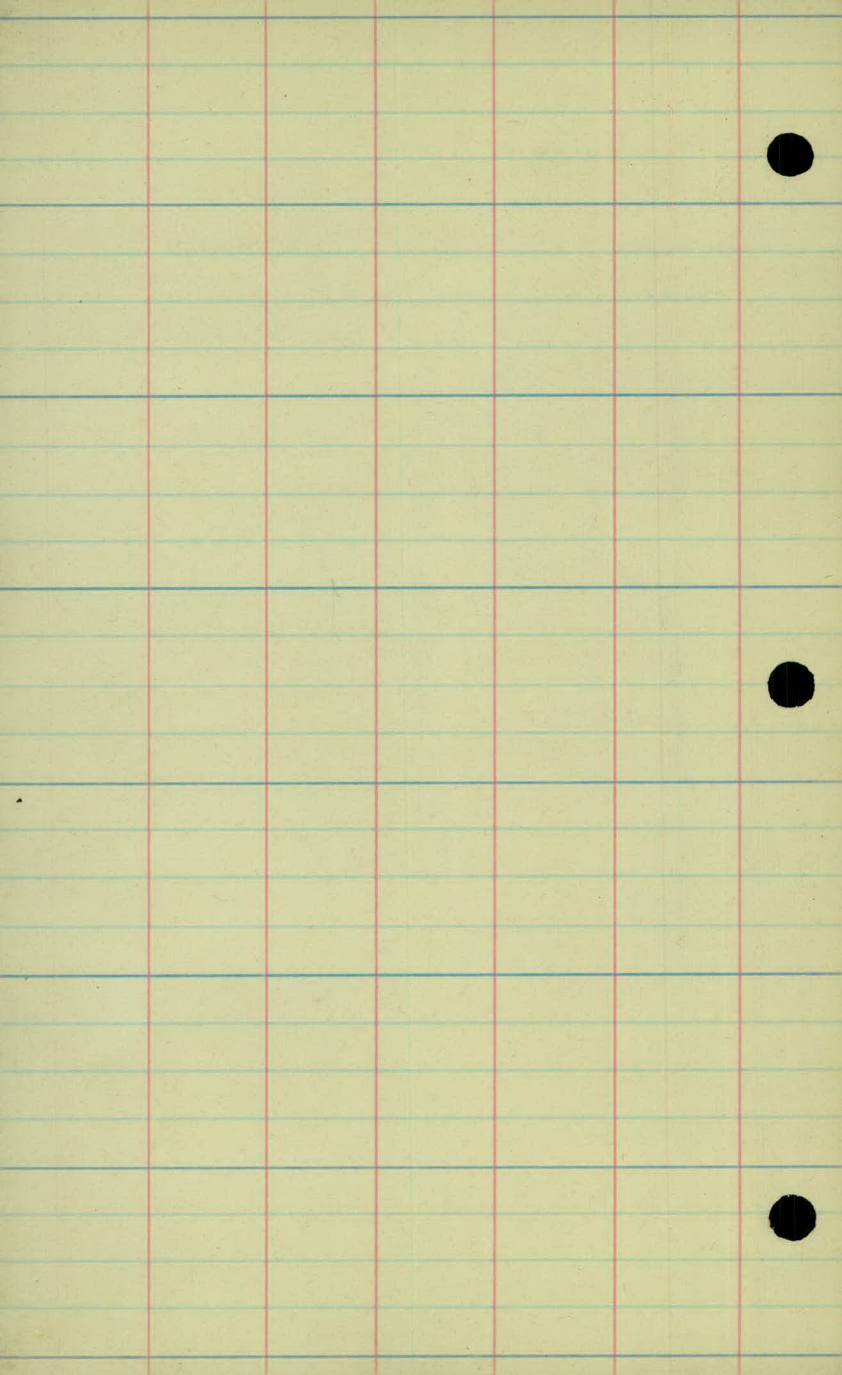
Elev. Johanna.

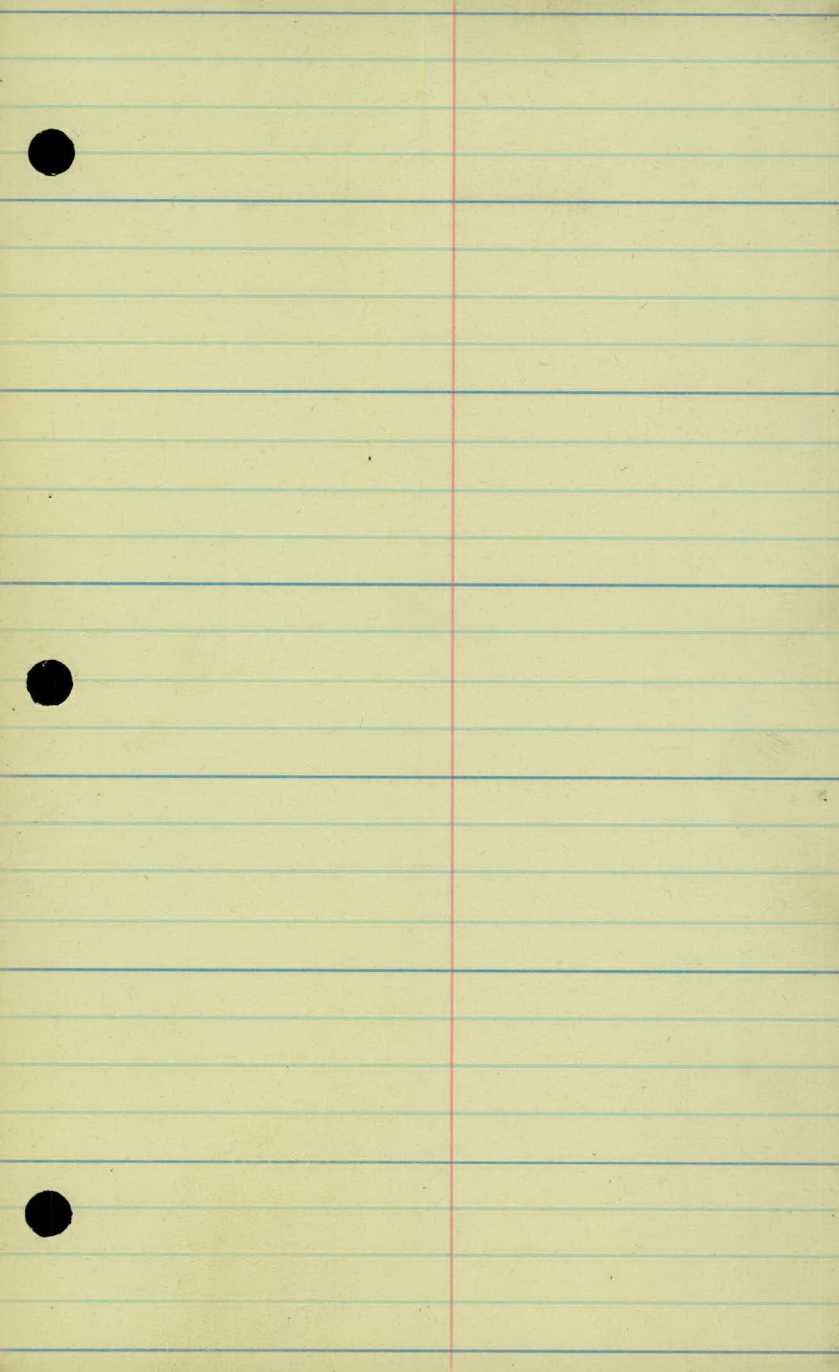
Elev. of swamp between Josephine and
Spike in T.R. Lake Imp. B.M. #17 Johanna.

(= Elev. Ingerson's Low land.)

W. end of 24" X P. 3 X Drain Anoka Cutoff.

(Elev. Brimhall's Low land.)





Hub No. 1 = iron 40 cor ss est.
Elev = 878.97 879.97
H. I. = 883.71
884.71

Elev. of
Contour line = 880.0

Rod

878.2 6.5
875.0 9.7
878.5 6.2

Object	Azimuth	Distance
1 Contour on fence	270° 10'	200' ✓
2 " " "	270° 10'	95' ✓
3 Contour line	354° 30'	46' ✓
4 " "	58° 20'	118' ✓
5 Contour line	93° 40'	180' ✓
6 " "	113° 25'	212' ✓
7 " "	122° 20'	345' ✓
8 " "	134° 00'	520' ✓
9 " "	141° 00'	530' ✓
10 " "	154° 00'	605' ✓
11 " "	170° 10'	700' ✓
12 " "	182° 15'	685' ✓
13 " "	183° 20'	880' ✓
14 " "	195° 22'	880' ✓
15 " "	200° 40'	980' ✓
16 " "	202° 20'	1000' ✓
17 " "	202° 35'	900' ✓
18 " "	211° 55'	780' ✓
19 " "	217° 50'	650' ✓
20 " "	227° 50'	540' ✓
21 " "	241° 55'	500' ✓
Contour pt. at 50 end ^{down} proposed	253° 15'	550' ✓
50 bank of creek on ^{line of dam}	253° 20'	510' ✓
2 creek	253° 30'	505' ✓
No bank creek	253° 45'	510' ✓
Contour pt. on no. end ^{proposed dam}	253° 50'	490' ✓

H.I.

ELEV Rod

883.71

884.71

27

28

876.6 8.1

29

877.4 7.3

30

875.3 9.4

1

875.4 9.3

2

3

884.57

4

5

6

880.0 4.6

7

877.7 6.9

8

877.0 7.6

9

879.1 5.5

40

877.4 7.0

1

877.4 7.2

2

878.5 6.1

3

877.5 7.1

4

879.7 4.9

5

880.8 3.8

6

878.1 6.5

7

877.6 7.0

8

879.2 5.4

9

877.5 7.1

50

879.0 5.6

1

877.5 7.1

2

879.0 5.6

Object

Az

Dis.

Contour line	258°25'	370
Gen'l elev. pond	175°15'	380
Elev water in pond	183°00'	450
Gen'l elev. pond	186°30'	450
" " "	201°00'	490

Hub No 1 884.57

H.I. = 883.57

Gen'l elev slope to pond	268°25'	195
" " " " "	238°20'	200
Edge pond	220°15'	250
Gen'l elev slope to pond	263°15'	95
" " " " "	217°05'	130
Edge pond	189°40'	300
Gen'l elev slope to pond	165°00'	83
Edge pond	162°40'	205
Gen'l elev on slope to pond	91°00'	110
Gen'l elev slope to pond	105°10'	164
" " " " "	147°10'	175
Edge pond	168°00'	210
Gen'l elev slope to pond	124°50'	215
Edge pond	141°45'	230
Gen'l elev slope to pond	124°00'	345
Edge pond	131°45'	330
Gen'l elev slope to pond	134°45'	465

H.I.

ELEV Rod

(883.71)

884.71

53

877.5 7.2

4

879.0 5.7

5

877.5 7.2

6

878.9 5.8

7

877.6 7.1

8

879.3 5.4

9

877.4 7.3

60

878.8 5.9

1

877.6 7.1

2

878.77 5.94

H.I.

(882.89)

883.89

1

878.9 5.0

2

877.4 6.5

3

878.8 5.1

4

877.4 6.5

5

878.8 5.1

6

877.3 6.6

7

878.8 5.1

8

877.3 6.6

9

878.4 5.5

Object

A3

Stadia

Edge pond	139°40'	440
Gentl elev slope to pond	141°40'	510
Edge pond	144°35'	485
Gentl elev slope to pond	255°45'	360
Edge pond	241°50'	360
Gentl elev slope to pond	242°05'	480
Edge pond	240°05'	435
Gentl elev slope to pond	226°35'	520
Edge pond	224°00'	500
To O # 2	222°43'	535

At O # 2

878.77

Elev O # 2 =

(877.63)

H.I. =

(882.89)

883.89

Gentl elev slope to pond	186°50'	105
Edge pond	166°15'	111
Gentl on slope to pond	184°30'	250
Edge pond	172°20'	242
Gentl on slope to pond	174°45'	405
Edge pond	167°20'	355
Gentl on slope to pond	161°10'	440
Edge pond	158°10'	380
Gentl on slope to pond	131°45'	490

10

883.9

10

877.2 6.7

11

878.4 5.5

12

878.4 5.5

13

877.4 6.5

14

879.7 4.2

15

877.4 6.5

16

879.1 4.8

17

877.3 6.6

18

19

20

1

2

3

Object

Az

Stadia

Edge pond	144°00'	400
Gen'l on slope To pond	128°15'	455
" " " " "	124°15'	335
Edge pond	122°45'	280
Gen'l on slope To pond	118°05'	550
Edge pond	112°50'	505
Gen'l on slope To pond	101°35'	640
Edge pond	100°35'	620

