

Bk. 106 Dr. 16

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Profile Survey

Judicial Ditch No 1

From Portland & 6th To Bald Eagle Lk.

Road Acc't. No.

Date Filed 3-23-44

File

E. Co. Line to Grand Ave 1946

Profile Judicial Ditch #1

From Portland Ave + Sixth
To Bald Eagle Lake

7-27-43

HAW

AM

L.G.

Index

Pages

Profile

Date Received

Sta	+	π	-	Elev
B.M	2.39	923.63		921.24

8				911.4
---	--	--	--	-------

9				911.4
---	--	--	--	-------

10+00	33"	East End Pipe		11.87
	Conc.	Pipe		

+48				11.37
-----	--	--	--	-------

+63		Sand in Ditch		14.6
-----	--	---------------	--	------

11		" " "		13.1
----	--	-------	--	------

T.P	4.20	919.44	8.39	915.24
-----	------	--------	------	--------

+50		Sand in Ditch		14.2
-----	--	---------------	--	------

12				13.8
----	--	--	--	------

13				13.3
----	--	--	--	------

T.P	6.35	921.94	3.85	915.59
-----	------	--------	------	--------

14				12.6
----	--	--	--	------

+18		East End 48" CM	12.1	12.24
-----	--	-----------------	------	-------

+20		Shoulder		18.8
-----	--	----------	--	------

2
X
Ditch

Spk in 24" Cat/wood

12.2

North
Pipe
Tdy 911.87
11.76

No Pipe

12.26

911.37

12.2
913.3
103

913.2

104

Inv 911.87
South Pipe 1176

50.7m

12.26

911.37

Note From

90

Portland West

Ditch Full of

10.5

Brush + Trees To

Sta 14

52

5.6

61

912.24

9.3

Inv
9.70

9.8 912.14

3.1

Sta	+	π	-	Elev
		921.74		
14	+36	Rd		18.9
	+55	Shoulder		18.5
	+55	West End	48' @ M	+2.3 912.24
	T.P.	5.76	923.90	3.80 918.14
	15			134
	16			123
	+78	Δ in Ditch		12.5
	17			127
	18			12.2
	+85			141
	19			132
	T.P.	3.15	923.27	3.78 920.12
	20			127
	+90	East Pipe	40"	11.22 +2.3
		Twin		

2

3.0

✓ 3.4
912.24

Inv 9.6 912.3
920

10.5

11.6

11.4

11.2

18+57
Wood Field Bridge
In Ditch
18+70 X Fence Ganges
obstruction

11.7

9.8

9.8

10.7

10.7

911.22 10.6

Inv 12.05 11.0 912.3

Sta	+	Δ	-	Elev
	>	923.27		11.57
20+94		West Pipe 40"		12.3
21+05		S. Shoulder		18.0
+21		R Sixth		18.7
+35		No Shoulder		18.5
21+44	>	East Pipe 40" x 54 CM		H 911.11
+48		West Pipe " "		H 910.79
+60		Sand		13.1
T.P		408 918.16	9.19	914.08
22				13.0
23				12.4
24				11.9
T.P		3.26 918.00	3.4v	914.74
25				11.3
26				11.1

#

~~X~~
Ditch

911.57	912.3
Inv 11.70	110

5.3

4.6

911.11 4.8

Inv 12.16	114 - 911.9
--------------	-------------

910.79

12.48	114 - 911.9
-------	-------------

Note

(Sand Washed in
Ditch From Road)

10.2

5.2

From Sta 22400

North Brass + Weeds

5.8

Blocking Flow

6.3

25+15 Ditch Block

6.7

Planks + Brush

+ Debris also 25+80

6.9

X Fence Blocking

Ditch

Sta	+	π	-	Elev
		918.00		
27				11.8
28				11.2
29				10.9
T.P	7.78	922.50	3-28	914.72
30				10.6
31				10.4
32				10.1
T.P	3.20	920.85	485	917.65
33				10.1
34				10.1
35				10.9
+14		$\&$ Double 48" CM	FT	10.42
+14		Rt Angle X		14.7
+25		So Shoulder		15.9
+40		$\&$ Taylor		16.0

5
L
Ditch

6.2

6.8

7.1

11.9

31+20 Fc X

Debris in Ditch

12.1

12.4

10.8

10.8

910.42

10.43
East Pipe

10.0

909.7

11.2

Top H Wall 6.2

5.0

4.9

910.42

10.43
West Pipe

Sta + π - Elev

920.85

35+52

No Shoulder 16.6

+62

14.7 Hd Wall
No End Twin 48" CM) 10.9 10.15

36

10.7

T.P 2.52 920.35 3.01 917.84

+77

East End Twin 48" CM 10.4
15.5

+97

10.9

37

10.8

38

10.3

39

09.2

40

09.8

41

09.2

T.P

6.40

921.33

5.43

914.93

42

09.5

~~2~~

4.9

910.15	Top HAWAII	910.7	910.15
West Inv	6.2	10.2	East Inv
10.70			10.70

910.04 ✓	10.2	909.84 ✓
No Inv	910.4	So Inv
10.32	10.0	10.52
	Top HAWAII	
	4.9	

909.94	No Inv	(Top HAWAII) Gr	510 Inv	910.18
10.42		5.2	95-910.9	10.18

W8
7-21-43 8.70
911.66

9.6

10.1

11.2

10.6

11.2

11.8

Sta + π - Elev

921.33

43 09.3

44 08.9

+48 So End 48" CM 08.23
Ent

+84 No End 48" CM 07.98
08.2

45 08.1

46 08.8

+44 08.5

+60 East End Box Culv. 08.3 07.70
7.5 x 7.5

205 917.45 5.93 915.40

+66 East shoulder 17.2

+80 S.T.H 61 17.21

+93 West shoulder 16.56

+98 West End Box Culv. 08.5 07.53

X
Ditch

12.0

12.4 908.8

Top Hd Wall Gr Inv 908.23
141 7.2 12.5 13.10

139 7.4 13.1 13.35 907.98
08.2 Inv

13.2

n/s
9.92 911.41

12.5

12.8 908.3
Top Wall Gr Inv 907.70
15.4 5.90 13.0 13.63

0.3

0.24

0.9 908.5
Top Hd Wall Inv 907.53
15.3 2.16 9.0 9.92

Sta + π - Elev

917.45

47

08.5

+39

Beg 5' Flume ~~08.2~~ 07.45

+51

Beg Horseshoe Culv 6.5' x 7' 6"

T.P

2.22

915.73

3.94

913.51

+88

End Horseshoe Culv

48

End Flume ~~07.5~~ 07.33

+25

Beg 8' Box Culv ~~07.1~~ 07.23

+47

Δ Hung Rd 155

+65

End 8' Box Culv ~~07.5~~ 07.11

49

08.7

50

08.8

51

09.2

52

Bald Eagle Lake ~~09.2~~ 911.41

2

90

908.2 → 93 Inv at Flume 10.00 907.50^{.45}

907.33 ✓

8.40

Top Hd wall GV 09.13 Inv 07.23
915.63 0.10 6.6 8.50

0.2

915.3

909.5 Inv 907.11

Top
0.40

6.2 8.62

W.S at
Hugor 432
911.41

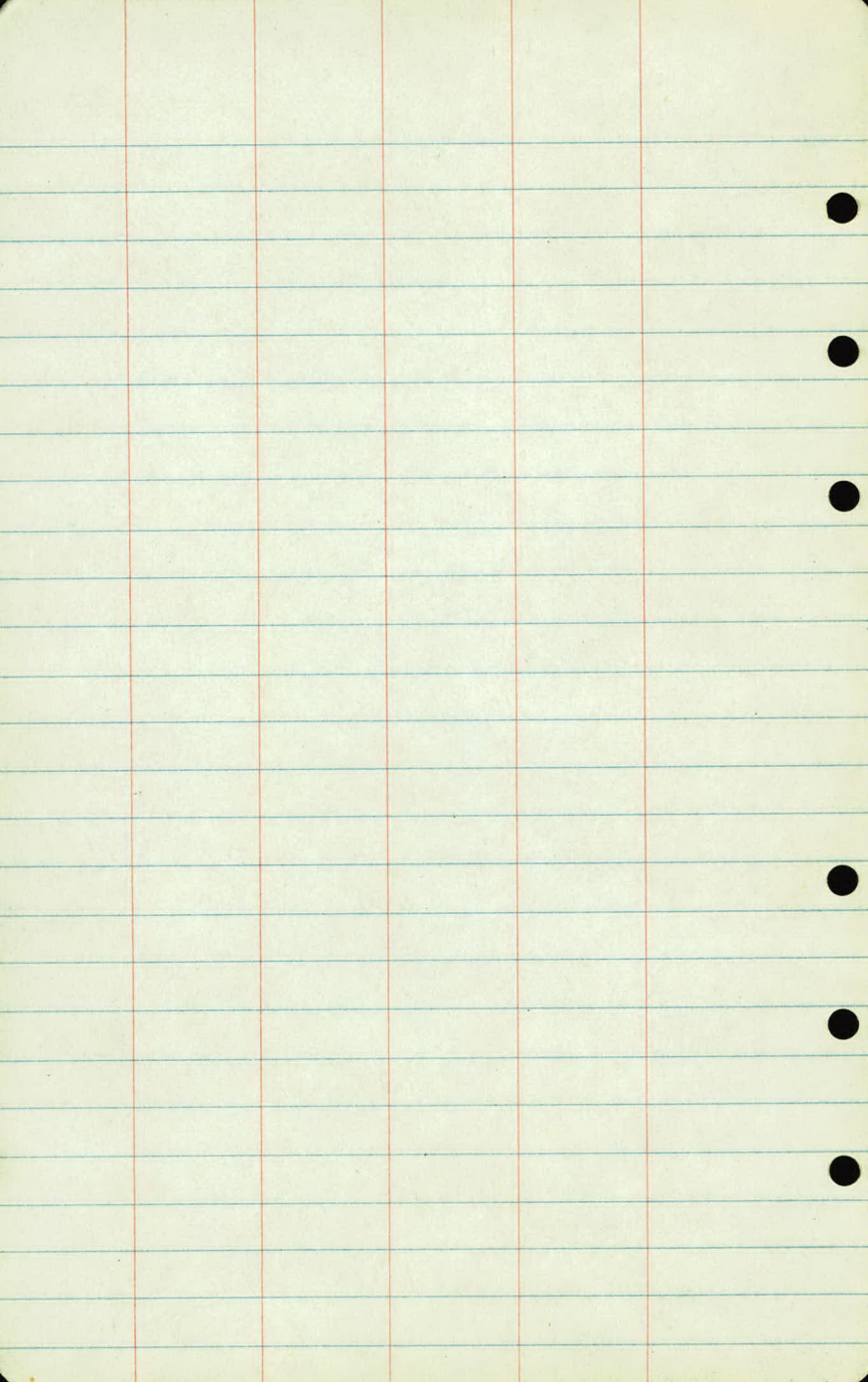
7.0

6.9

6.5

BE W.S 4.32
7/28/43

6.5 - 09.2
C/cv BE -
911.41 ✓



1
Judicial Ditch No 1

Profile Levels

E. Co. Line to Grand Ave.

5-Pages. Rec 7-15-48

Sta.	+	π	-	Elev
B.M.	2.68	923.92		(921.24)

0	+00		10.1	13.8
---	-----	--	------	------

1			10.1	13.8
---	--	--	------	------

2	+82		10.1	13.8
---	-----	--	------	------

3			10.5	13.4
---	--	--	------	------

4			10.8	13.1
---	--	--	------	------

5			11.0	12.9
---	--	--	------	------

6			11.1	12.8
---	--	--	------	------

7			11.5	12.4
---	--	--	------	------

K.H.
M.B.
B.B.

7-14-48

2

L

E

R

Spk in 42° Coth. S.E. Cor. 6th & Portland

= Fence line on E. Co. Line

W.S. = 10.4 13.52

W.S. = 10.4 13.52

Sta	+	π	-	Elev
		923.92		

7			11.2	12.7
---	--	--	------	------

8			11.7	12.2
---	--	--	------	------

9			11.7	12.2
---	--	--	------	------

10			12.0	11.9
----	--	--	------	------

11			11.1	12.8
----	--	--	------	------

100			10.7	13.2
-----	--	--	------	------

12			10.7	13.2
----	--	--	------	------

13			11.2	12.7
----	--	--	------	------

W.S. = 10.5 13.42

at old bridge (down now)

W.S. = 10.5 13.42

Sta.	+	π	-	Elev.
		923.92		

14			11.2	12.7
B.M.	5.50	926.74	2.68	921.24

15			14.3	12.4
----	--	--	------	------

16			14.2	12.5
----	--	--	------	------

+09			14.7	12.0
-----	--	--	------	------

+10	FL. S. Culv. =		14.9	11.8
	N. Culv. =		14.9	911.84

T.P.	2.92	919.14	10.52	916.22
------	------	--------	-------	--------

+50	FL. N. Culv.		7.7	11.4
	S. Culv.		7.8	11.3

+59			6.0	13.1
-----	--	--	-----	------

+70			6.0	13.1
-----	--	--	-----	------

W.S. = 135^{13.24}

2-36" S.C. X Drains East End

Portland Ave

W. End of X Drains

Sta.	+	π	-	Elev.
		919.14		

17			6.4	12.7
----	--	--	-----	------

18			6.2	12.9
----	--	--	-----	------

	+07		6.1	13.0
--	-----	--	-----	------

	+61		6.1	13.0
--	-----	--	-----	------

19			6.5	12.6
----	--	--	-----	------

	+34		6.2	12.9
--	-----	--	-----	------

20			6.4	12.7
----	--	--	-----	------

	+27		6.9	12.2
--	-----	--	-----	------

TP	9.44	926.81	1.77	917.37	
B.M.			561	921.20	(921.24)

W.S. = G.O. 13.14

FL 48" G.M.

