

Book 49 Dr 11

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

PLAN Survey

MALVERN STR.

From Co Rd "A²" To 1 Block No

Road Acc't. No.

Date Filed 1-30-43

File

Align

Malvern Str

From "A2" To 1 Block No. To G.O.H. Course

4-17-18

Completed

4-20-42

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Align	1 to 3
Topog	3 to 4
Bench	4 to 7
X Sections	7 to 9

Drawn up 5/5/42

Sta

Point

$\Delta L +$

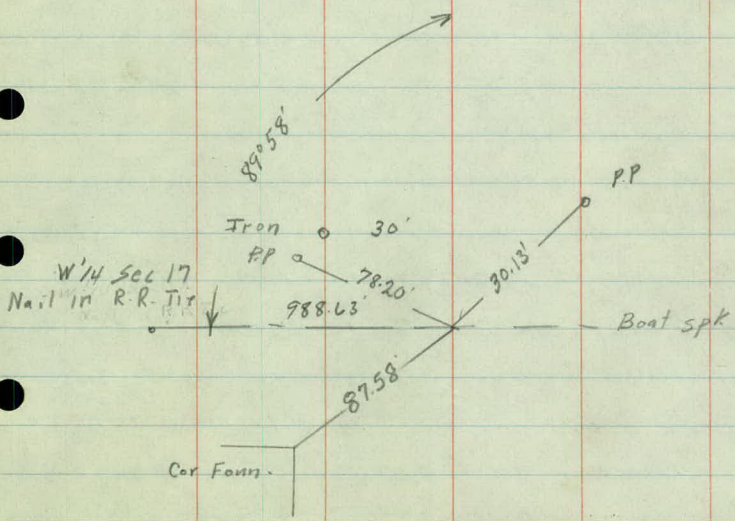
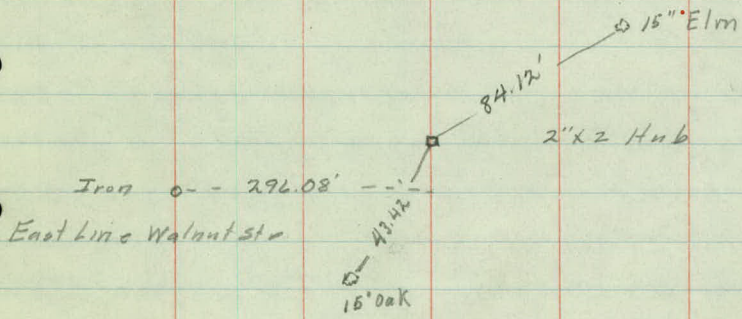
$\Delta R +$

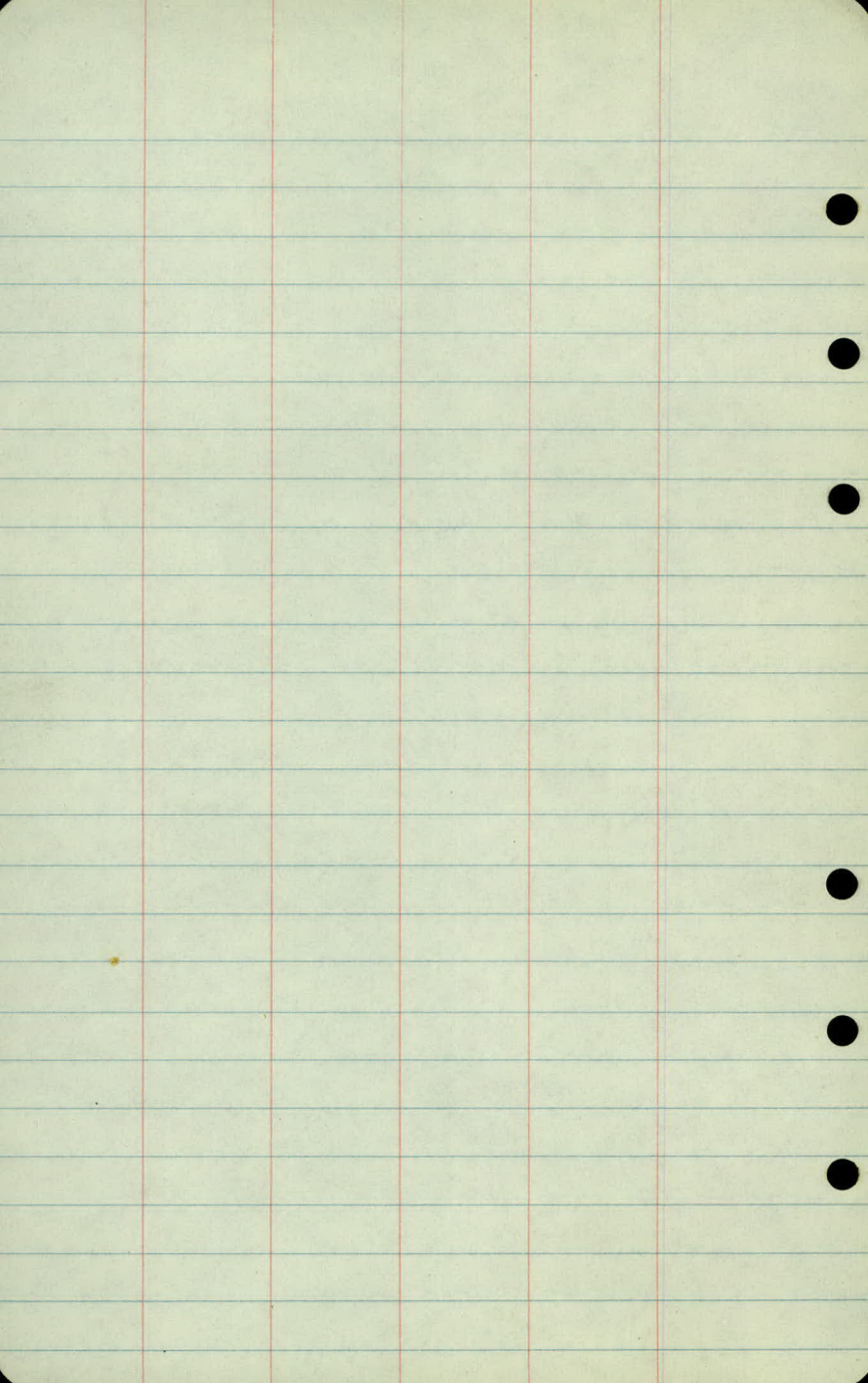
6+59.20

No. Line Plot

0+00

ΔA_2





Topography

Malvern Str.

100 +59.2 End Brush 100'

+30 R 8' Trail

+99 Stu 43
+96 Oak 48'
+63 Stu 37'

100' +64 Beg Brush 100'

20' +73 End Brush 15

15' +39 Beg Brush 20'

2
+94 BE. 28'
+51 Oak 50'
+40 Oak 42'

1 17' 8

0 +07 Black Top

0722 End Side Dr. 26'

+15 Oak 3'

+77 Stn 45'

+43 Stn 30'

+19 Stn 42'

+00 Stn 42'

+66 Stn 39'

+53 Stn 39'

+43 Stn 39'

+25 Stn 33'

+12 Stn 33'

+76 Stn 34'

+64 Stn 33'

Brush & Stn

+53 Stn 3'

+17 Stn 47'

+15 Oak 10'

+13 Stn 45'

+04 Stn 39'

+02 Stn 8'

+53 Stn 19'

+50 Stn 9'

+47 Stn 22'

+41 Stn 39'

+04 4" Plum. 29'

+98 Stn 35'

+67 Stn 20'

+61 13.E 19'

+00 Stn 37'

+90 Stn 40'

+75 Stn 41'

+45 Stn 41'

Platted



Platted

+08 Oak 50'

+37 Chicken Coop 28'

+21 Fennel 62'

+22 Oak 47'

+17 Oak 45'

+10 Oak 32'

+00 Wood Plank X Drain N.G. 8'

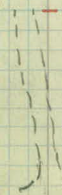


+64 H0 53'



+25 H0 53'

+15 G.R. Post 14'-18'



28' Black Top

+22 P.P. 19'

+15 G.R. Post 12'-17'

+00 Side Drain

24" x 41" CM 26'



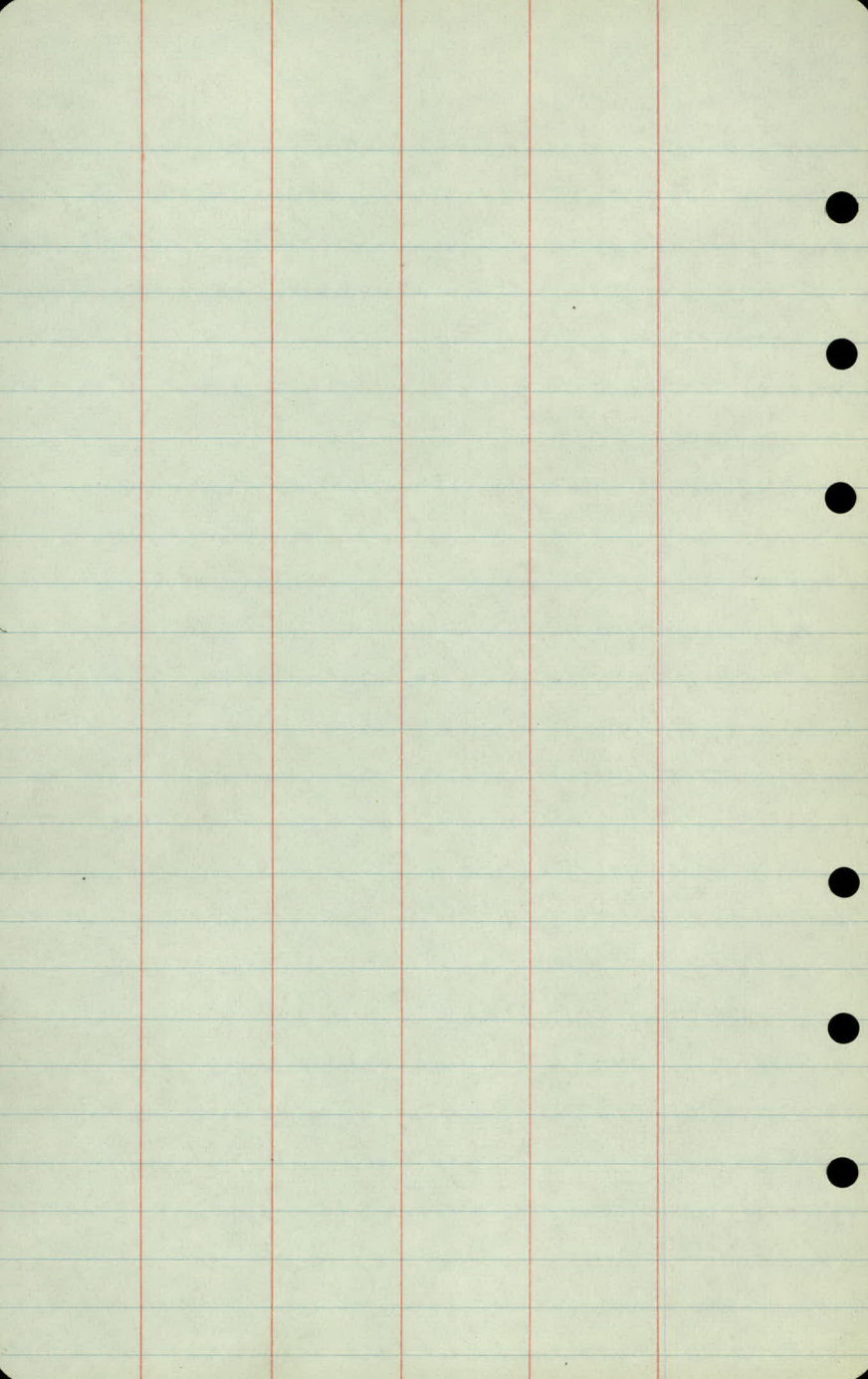
Bench Levels

Malvern Str.

Sta	+	Σ	-	Elev
	6.42	967.17		960.75
	8.82	974.22	1.77	965.40
	2.31	971.58	4.95	969.27
	1.58	963.93	9.23	962.35
	0.41	954.57	9.75	954.18
	3.00	951.12	6.47	948.12
B.M.			2.90	948.22

Top Hyd S.W Cor Eustis & Larp.

Top N.E. Cor. Step S.W Cor Malvern & A²



X sections

Malvern Stv

Sta	+	π	-	Elev
B.M.	2.90	951.12		948.22
0+00				48.3
+14				47.7
+22				46.6
+50				43.2
1				42.3
+12				42.4
+22				42.8
+32				
+52				44.0
+56				44.2
2+00				45.3
+50				47.0

Lt.

X

Rt

Top N.E. Cor Step S.W. Cor Malvern t' A 2"

$$\frac{2.7}{50} \quad \frac{2.7}{25} \quad 2.8 \quad \frac{2.7}{26} \quad \frac{2.9}{50}$$

$$\frac{3.5}{50} \quad \frac{3.5}{30} \quad \frac{3.7}{11} \quad 3.4 \quad \frac{3.5}{11} \quad \frac{3.4}{27} \quad \frac{3.5}{50}$$

$$\frac{5.1}{12} \quad \frac{5.5}{33} \quad \frac{6.4}{19} \quad \frac{4.5}{12} \quad 4.5 \quad \frac{4.4}{12} \quad \frac{7.3}{18} \quad \frac{8.1}{37} \quad \frac{8.0}{50}$$

$$\frac{4.4}{50} \quad \frac{6.6}{32} \quad \frac{8.4}{13} \quad \frac{7.8}{9} \quad 7.9 \quad \frac{9.1}{16} \quad \frac{9.6}{36} \quad \frac{9.8}{50}$$

$$\frac{8.7}{50} \quad \frac{8.8}{33} \quad \frac{9.0}{20} \quad \frac{8.3}{17} \quad \frac{8.3}{9} \quad \frac{9.1}{6} \quad 8.8 \quad \frac{9.1}{19} \quad \frac{8.7}{32} \quad \frac{8.1}{50}$$

$$\frac{10.5}{86} \quad \frac{10.1}{60} \quad \frac{9.4}{35} \quad \frac{9.0}{20} \quad \frac{8.4}{17} \quad 8.7 \quad \frac{8.5}{12} \quad \frac{7.8}{23} \quad \frac{6.6}{39} \quad \frac{6.1}{50}$$

$$\frac{6.0}{45} \quad \frac{6.8}{27} \quad \frac{9.5}{21} \quad \frac{8.4}{18} \quad 8.3 \quad \frac{8.0}{13} \quad \frac{7.5}{20} \quad \frac{4.3}{27} \quad \frac{3.5}{50}$$

6.0 Elev
63 Ground at Found.

3.4 - 47.7
Ground Elev at Ho.

$$\frac{6.1}{50} \quad \frac{6.4}{42} \quad \frac{7.8}{33} \quad \frac{8.1}{22} \quad \frac{7.8}{11} \quad 7.1 \quad \frac{6.3}{15} \quad \frac{5.3}{26} \quad \frac{3.9}{29} \quad \frac{3.0}{50}$$

$$\frac{9.7}{50} \quad \frac{9.0}{34} \quad \frac{8.0}{21} \quad \frac{7.7}{13} \quad 6.9 \quad \frac{6.2}{13} \quad \frac{5.1}{28} \quad \frac{2.8}{50}$$

$$\frac{5.4}{50} \quad \frac{5.6}{24} \quad \frac{5.7}{13} \quad 5.8 \quad \frac{5.6}{40} \quad \frac{4.9}{26} \quad \frac{3.7}{35} \quad \frac{3.0}{45} \quad \frac{2.1}{50}$$

14-

Elev at Ho.

$$\frac{4.1}{50} \quad \frac{4.4}{31} \quad \frac{4.8}{24} \quad 4.1 \quad \frac{3.7}{18} \quad \frac{4.6}{38} \quad \frac{4.5}{50}$$

Sta + π - Elev

957.12

3+00

48.7

T.P. 2.89 952.39 1.62 949.50

+50

46.6

4+00

44.6

+50

44.6

5-

42.1

+50

42.0

T.P. 6.05 946.38 12.06 940.33

6

39.7

+30

π Trail 35.9

+59.2 North Line Street 34.4

B.M.

5.92

941.46

940.46

Lt

Rt

Rt

$\frac{49}{50}$ $\frac{48}{32}$ $\frac{43}{19}$ 2.4 $\frac{1.7}{6}$ $\frac{1.8}{25}$ $\frac{3.5}{34}$ $\frac{4.1}{50}$

$\frac{5.4}{50}$ $\frac{5.1}{37}$ $\frac{6.3}{11}$ 5.8 $\frac{5.8}{5}$ $\frac{5.0}{8}$ $\frac{5.0}{25}$ $\frac{6.8}{50}$

$\frac{6.1}{50}$ $\frac{6.3}{38}$ $\frac{7.5}{33}$ $\frac{6.6}{22}$ 7.8 $\frac{8.6}{9}$ $\frac{8.7}{22}$ $\frac{9.0}{37}$ $\frac{10.4}{50}$

$\frac{9.2}{50}$ $\frac{9.2}{45}$ $\frac{8.5}{24}$ 7.8 $\frac{8.0}{15}$ $\frac{8.2}{29}$ $\frac{10.2}{50}$

$\frac{11.9}{50}$ $\frac{11.3}{28}$ 10.3 $\frac{10.1}{15}$ $\frac{10.3}{32}$ $\frac{11.5}{50}$

35.8

$\frac{13.7}{50}$ $\frac{12.3}{26}$ 10.4 $\frac{9.3}{11}$ $\frac{9.0}{32}$ $\frac{10.3}{50}$

Low spot

$\frac{10.6}{45}$ $\frac{10.1}{50}$ $\frac{8.4}{26}$ 6.7 $\frac{6.0}{11}$ $\frac{6.0}{31}$ $\frac{7.7}{50}$

$\frac{11.6}{65}$ $\frac{11.5}{50}$ $\frac{11.1}{25}$ 10.5 $\frac{10.6}{13}$ $\frac{10.4}{33}$ $\frac{11.0}{50}$

$\frac{12.0}{50}$ $\frac{12.5}{28}$ 12.0 $\frac{11.4}{18}$ $\frac{11.3}{35}$ $\frac{11.0}{50}$

SpK 18" Oak 50 Rt Sta 6+00

32.9 → 13.5 Low spot Golf Course

Note Water will get out North

Trn. Swale on Golf Course.

12.8 → 33.6
Elev 117

swale.

