

Book-5, Dr. 12-A

X

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Plan

Survey

EAST AVE

From Highwood Rd. To 600' N.

Road Acc't. No. N-3

Date Filed 10-29-31

File

PROJ. 31-N3

31-N/3

$13+13^2$ Moir't.

$3+30$

$0+00$



12" Oak.



40.2

14" Oak



12.52



2" x 2" Hub.

End B.R.



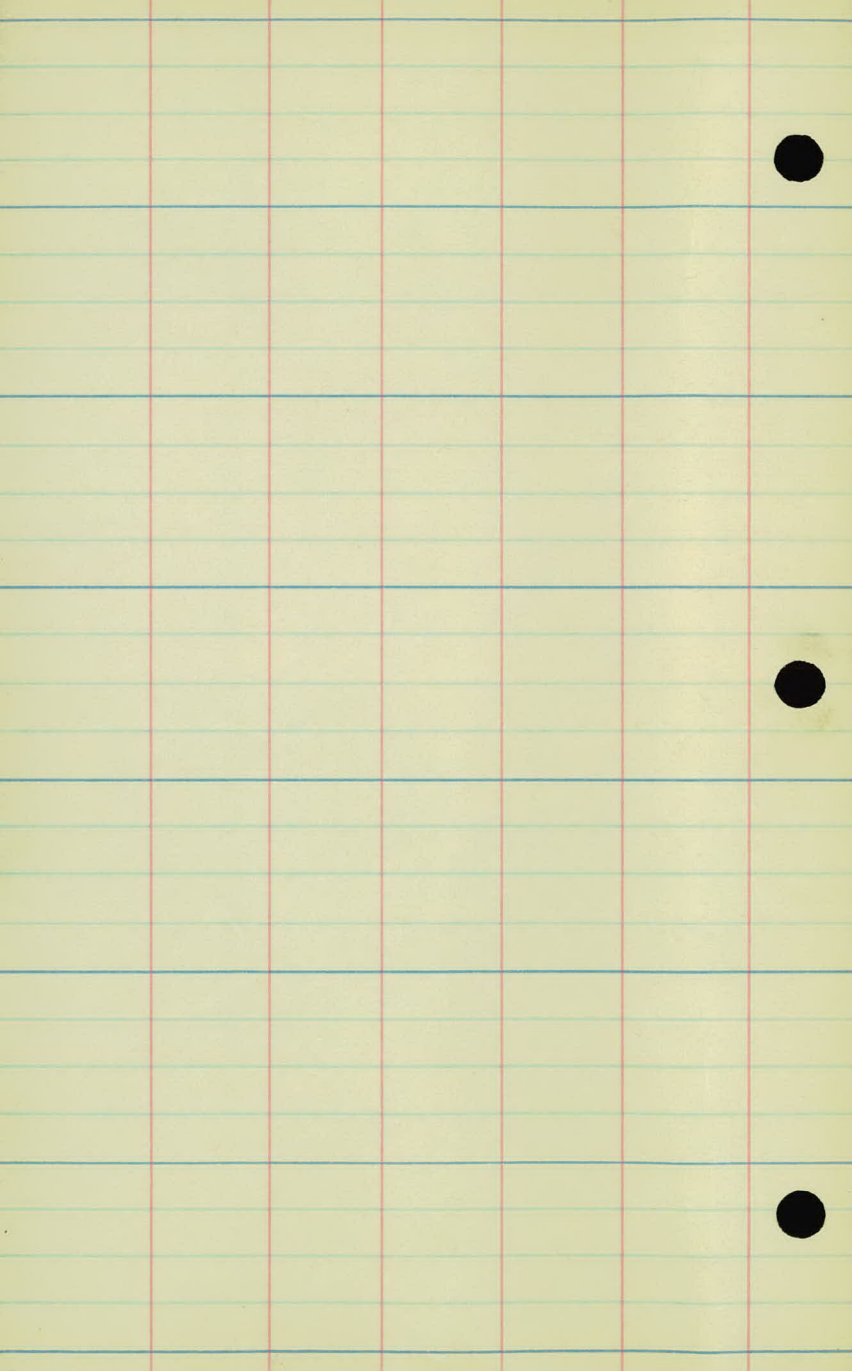
40.48

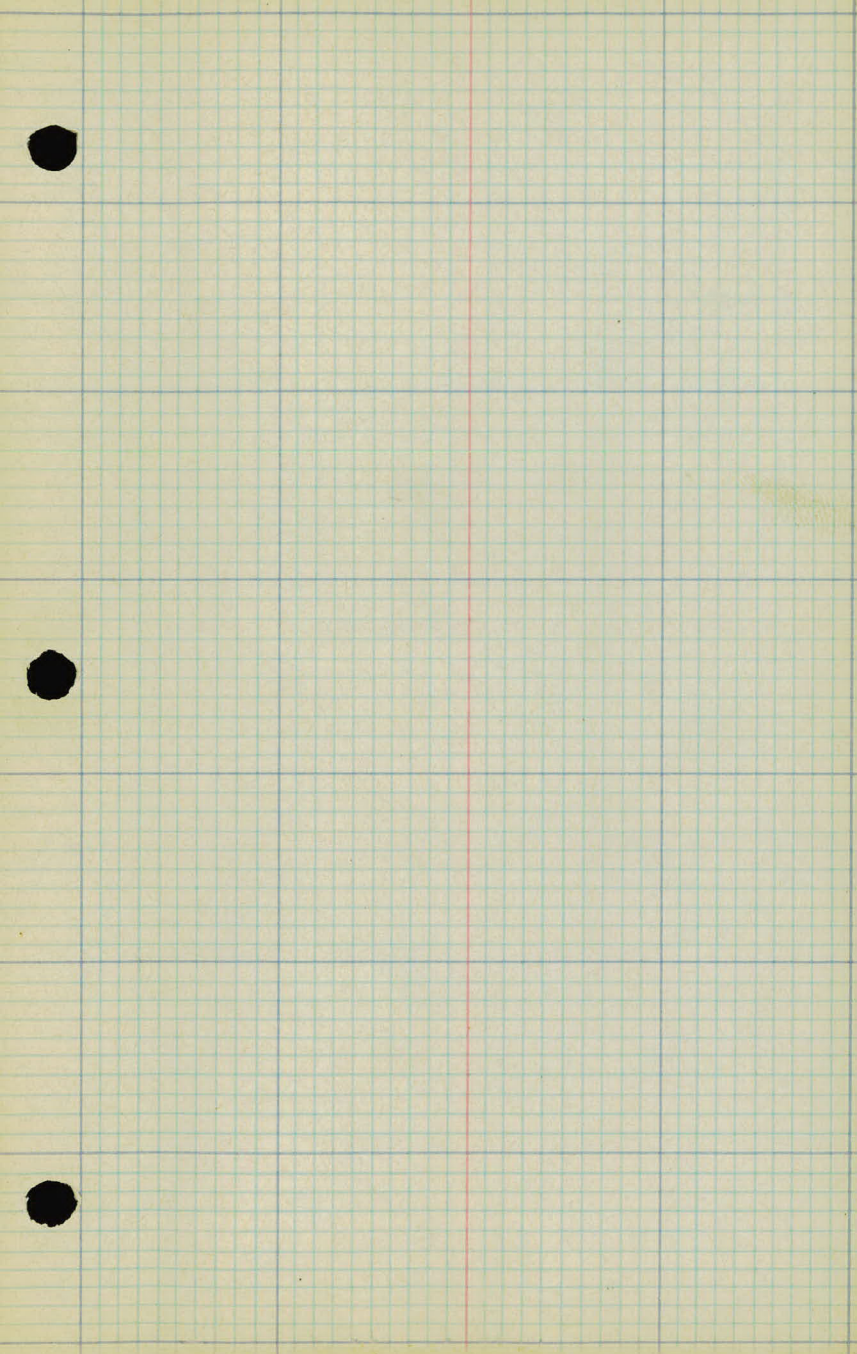
43.28

End B.R.



spike.





5+00

4+00

3+00

2+00

1+00

0+00

+74 Driveway

+92 Int. F
+74 Driveway

1' x 5' Conc. Hh. wall

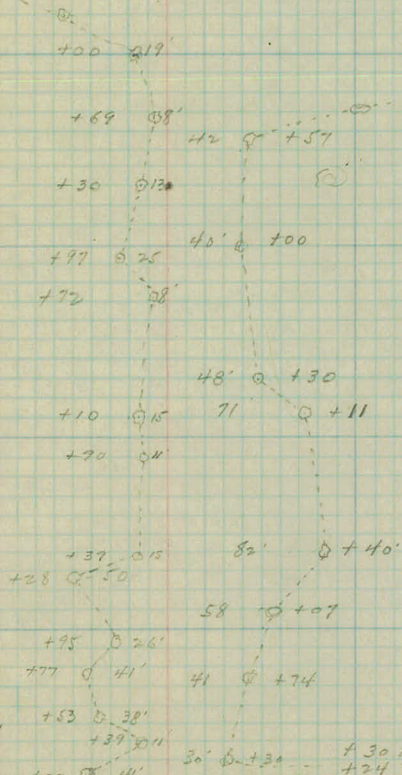


104.0

42

24" x 48' P3 x Drain

+30 F Int.
+24 TFS



9+00

8+00

7+00

6+00

+70 X Drain
12" X 28' C.M.

+28 End Cult. Beg. Waste

+55 End Hay Meadow Beg. Cult.



15



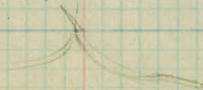
← Present traveled Rd.

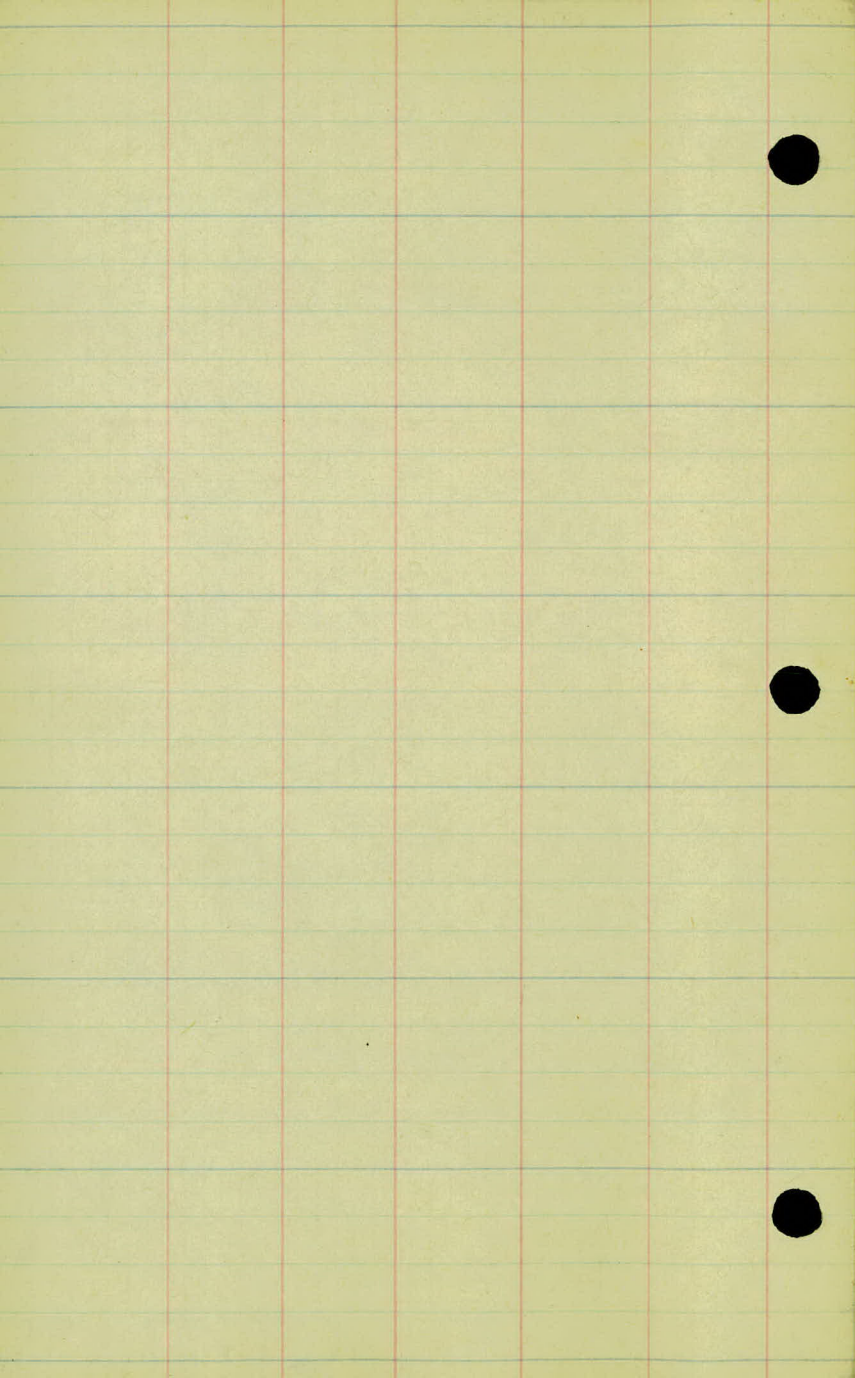
15'

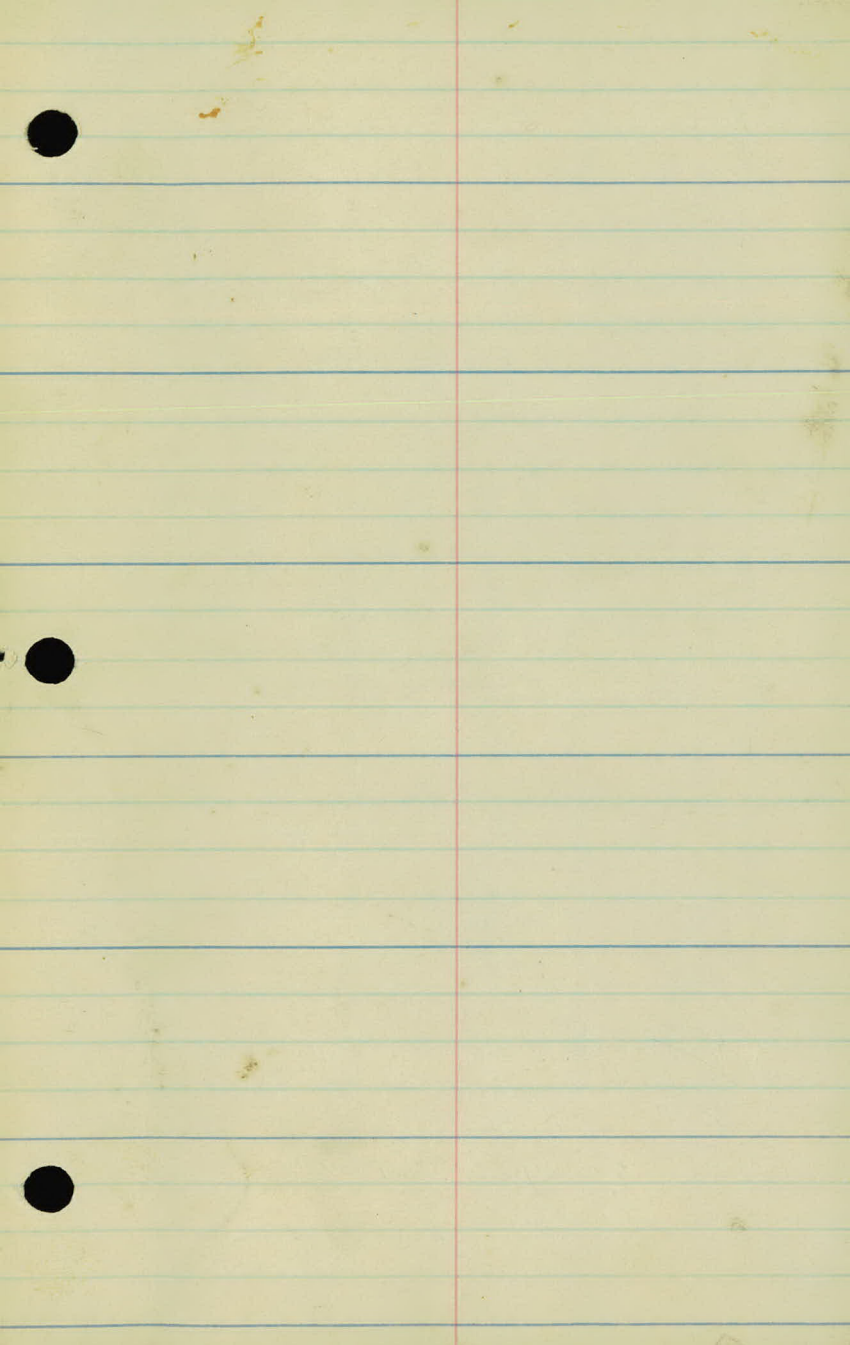


Waste

4'







B.M. 475 884.58 ✓ 879.83
0+00 878.6

+14 78.4

+29 76.6

+60 69.2

T.P. 5.89 886.48 ✓ 399 880.59 ✓

+29

+60

/ 71.2

+17 72.3

+30 75.8

+43 76.5

+50 80.2

T.P. 5.67 891.35 ✓ 0.80 885.68 ✓

+50

Spike in T.P.

$$\frac{10.3}{50} \quad \frac{8.2}{25} \quad 6.0 \quad \frac{35}{25} \quad \frac{1.3}{50}$$

$$\frac{12.5}{80} \quad \frac{10.5}{50} \quad \frac{8.3}{22} \quad 6.2 \quad \frac{4.2}{23} \quad \frac{1.8}{50} \quad \frac{0.5}{60}$$

$$8.0 \quad \frac{5.2}{27} \quad \frac{1.6}{50} \quad \frac{+0.8}{65}$$

$$15.4 \quad \frac{10.6}{19} \quad \frac{5.2}{37} \quad \frac{1.5}{50} \quad \frac{+0.7}{57}$$

$$\frac{19.7}{80} \quad \frac{18.8}{40} \quad \frac{12.1}{18} \quad (9.4)$$

$$\frac{18.3}{80} \quad \frac{20.3}{60} \quad \frac{19.8}{34} \quad (11.3)$$

$$\frac{7.9}{80} \quad \frac{11.5}{65} \quad \frac{14.2}{56} \quad \frac{13.2}{44} \quad \frac{16.0}{20} \quad 15.3 \quad \frac{14.4}{22} \quad \frac{13.2}{40} \quad \frac{6.4}{64} \quad \frac{3.3}{80}$$

$$\frac{4.3}{80} \quad \frac{8.4}{50} \quad \frac{9.8}{39} \quad \frac{11.9}{30} \quad \frac{11.6}{17} \quad 14.2 \quad \frac{13.2}{25} \quad \frac{11.6}{50} \quad \frac{10.7}{57} \quad \frac{4.9}{80}$$

$$\frac{1.5}{80} \quad \frac{5.6}{50} \quad \frac{7.8}{25} \quad \frac{10.8}{12} \quad 10.7 \quad \frac{12.8}{12} \quad \frac{10.4}{50} \quad \frac{6.8}{80}$$

$$\frac{0.0}{70} \quad \frac{2.0}{50} \quad \frac{3.9}{33} \quad \frac{7.0}{8} \quad 10.0 \quad \frac{10.6}{24} \quad \frac{9.3}{50} \quad \frac{7.3}{80}$$

$$\frac{0.8}{40} \quad \frac{3.4}{20} \quad 6.3 \quad \frac{10.1}{12} \quad \frac{9.5}{50} \quad \frac{8.8}{64} \quad \frac{6.2}{80}$$

$$\frac{0.0}{77} \quad \frac{3.3}{53} \quad (11.2)$$

14.1 ✓

891.35

1475

T.P.

12.67

898.35 ✓

5.67

885.68 ✓

886.4

1475

2

T.P.

12.31

909.02 ✓

1.64

896.71 ✓

92.9

2

+50

T.P.

13.22

919.26 ✓

2.98

906.04 ✓

03.4

+50

T.P.

13.28

928.91 ✓

3.63

915.63 ✓

22.5

3

+30

24.3

+65

22.3

4

24.9

+50

24.4

+73

23.9

5

25.4

Lt

L

Rt.

$$\frac{1.1}{80} \quad \frac{4.3}{50} \quad \frac{7.2}{35} \quad \frac{8.5}{25} \quad 5.0 \quad \frac{10.1}{27} \quad \frac{14.1}{41} \quad \frac{15.3}{80}$$

$$\frac{1.1}{80} \quad \frac{4.3}{50} \quad \frac{7.2}{35} \quad \frac{8.5}{25} \quad (12.0)$$

$$5.5 \quad \frac{10.6}{20} \quad \frac{14.9}{38} \quad \frac{15.4}{70} \quad \frac{14.9}{80}$$

$$\frac{1.1}{78} \quad \frac{5.8}{50} \quad \frac{9.3}{38} \quad \frac{12.1}{23} \quad (12.1)$$

$$5.6 \quad \frac{9.8}{33} \quad \frac{10.1}{50} \quad \frac{8.2}{80}$$

$$\frac{0.0}{69} \quad \frac{3.9}{49} \quad \frac{10.8}{21} \quad (15.0)$$

$$\frac{2.7}{80} \quad \frac{4.4}{50} \quad \frac{7.3}{25} \quad 6.4 \quad \frac{12.5}{26} \quad \frac{13.7}{50} \quad \frac{13.4}{80}$$

$$- - - \quad \frac{3.2}{26} \quad 4.6 \quad \frac{6.0}{28} \quad \frac{6.7}{50} \quad \frac{7.7}{80}$$

$$6.6 \quad \frac{4.6}{25} \quad \frac{6.3}{50} \quad \frac{7.9}{80}$$

$$4.0 \quad \frac{7.2}{34} \quad \frac{8.8}{50} \quad \frac{11.2}{80}$$

$$4.5 \quad \frac{9.2}{31} \quad \frac{11.3}{50} \quad \frac{14.0}{80}$$

$$5.0 \quad \frac{6.8}{12} \quad \frac{10.4}{35} \quad \frac{11.8}{50} \quad \frac{12.4}{80}$$

$$3.5 \quad \frac{6.0}{23} \quad \frac{9.0}{47} \quad \frac{9.0}{65} \quad \frac{8.3}{80}$$

✓
928.91

+25

B/M

150

✓
927.41

26.6

+50

T.P.

7.58

✓
934.49

2.0

✓
926.91

25.0

3+30

+65

4

+50

+73

5

+25

+50

T.P.

11.14

✓
938.05

7.58

✓
926.91

6

27.4

+20

30.7

+50

32.6

Left $\pm$ Right

5pk in 12" Oak 60' Pt 5 + 70

2.3 $\frac{5.0}{25}$ $\frac{6.4}{38}$ $\frac{6.7}{50}$ $\frac{5.1}{80}$

3.9 $\frac{4.9}{16}$ $\frac{5.4}{43}$ $\frac{2.2}{80}$

$\frac{4.9}{80}$ $\frac{6.7}{50}$ $\frac{8.6}{X}$ (10.2)

$\frac{3.8}{80}$ $\frac{6.0}{50}$ $\frac{7.7}{30}$ (12.2) ✓

$\frac{3.2}{80}$ $\frac{5.1}{50}$ $\frac{7.1}{30}$ (9.4) ✓

$\frac{3.2}{80}$ $\frac{5.1}{40}$ $\frac{6.8}{25}$ (10.1) ✓

$\frac{2.8}{80}$ $\frac{4.3}{50}$ $\frac{5.3}{35}$ $\frac{8.8}{10}$ (10.6) ✓

$\frac{3.0}{80}$ $\frac{4.3}{50}$ $\frac{6.2}{27}$ (9.1) ✓

$\frac{3.1}{80}$ $\frac{4.0}{50}$ $\frac{6.2}{22}$ (7.9) ✓

$\frac{4.4}{80}$ $\frac{5.6}{50}$ $\frac{7.6}{25}$ (9.5) ✓

$\frac{11.5}{80}$ $\frac{11.4}{50}$ $\frac{10.9}{22}$ $\frac{11.1}{2}$ 10.7 $\frac{9.7}{13}$ $\frac{9.3}{40}$ $\frac{8.2}{50}$ $\frac{5.3}{80}$

$\frac{10.4}{80}$ $\frac{8.6}{36}$ $\frac{7.2}{10}$ $\frac{8.1}{7}$ $\frac{7.6}{2}$ 7.4 $\frac{7.2}{30}$ $\frac{6.0}{50}$ $\frac{4.0}{80}$

$\frac{6.5}{80}$ $\frac{5.2}{43}$ $\frac{4.1}{70}$ $\frac{5.7}{7}$ 5.5 $\frac{5.8}{11}$ $\frac{4.8}{15}$ $\frac{4.1}{50}$ $\frac{3.3}{80}$

938.05 ✓

7

33.6

+50

32.3

+75

31.5

8

31.9

+50

33.1

9

34.8

+50

38.0

10

41.05

B.M.

10.65 ✓ 127.40

Left £ Pt.

$\frac{2.8}{40}$ $\frac{2.2}{9}$ $\frac{4.8}{6}$ 4.5 $\frac{4.8}{13}$ $\frac{2.1}{17}$ $\frac{2.1}{40}$

$\frac{4.2}{40}$ $\frac{5.7}{9}$ $\frac{6.5}{6}$ $\frac{6.0}{2}$ 5.8 $\frac{5.5}{7}$ $\frac{6.0}{11}$ $\frac{6.9}{17}$ $\frac{8.0}{40}$

6.6

6.2

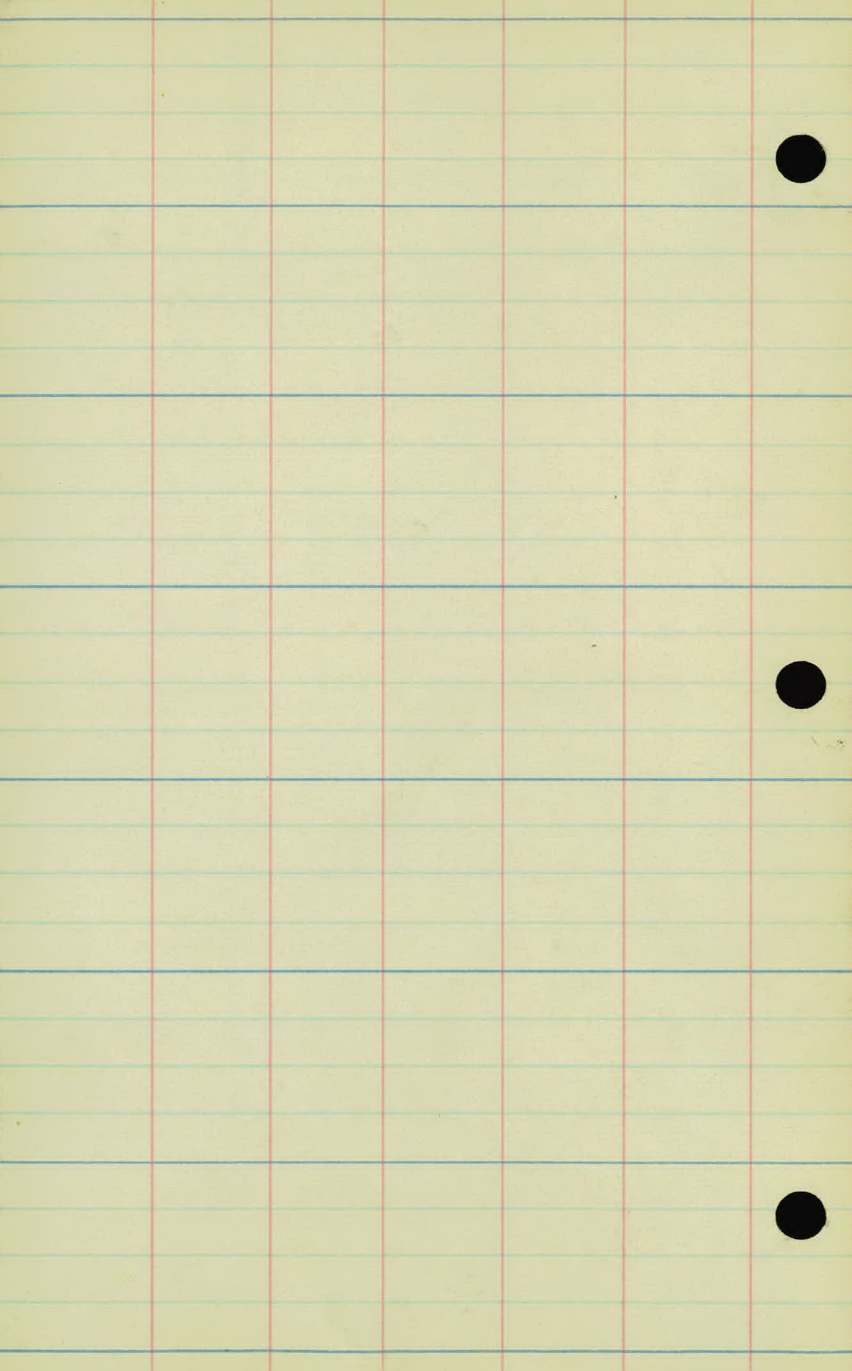
5.0

3.3

0.1

+3.0

Spike in Oak 60' Pt 5 to 5+70



Location & Xsections
of

Location for
Waste Mat'l.

3

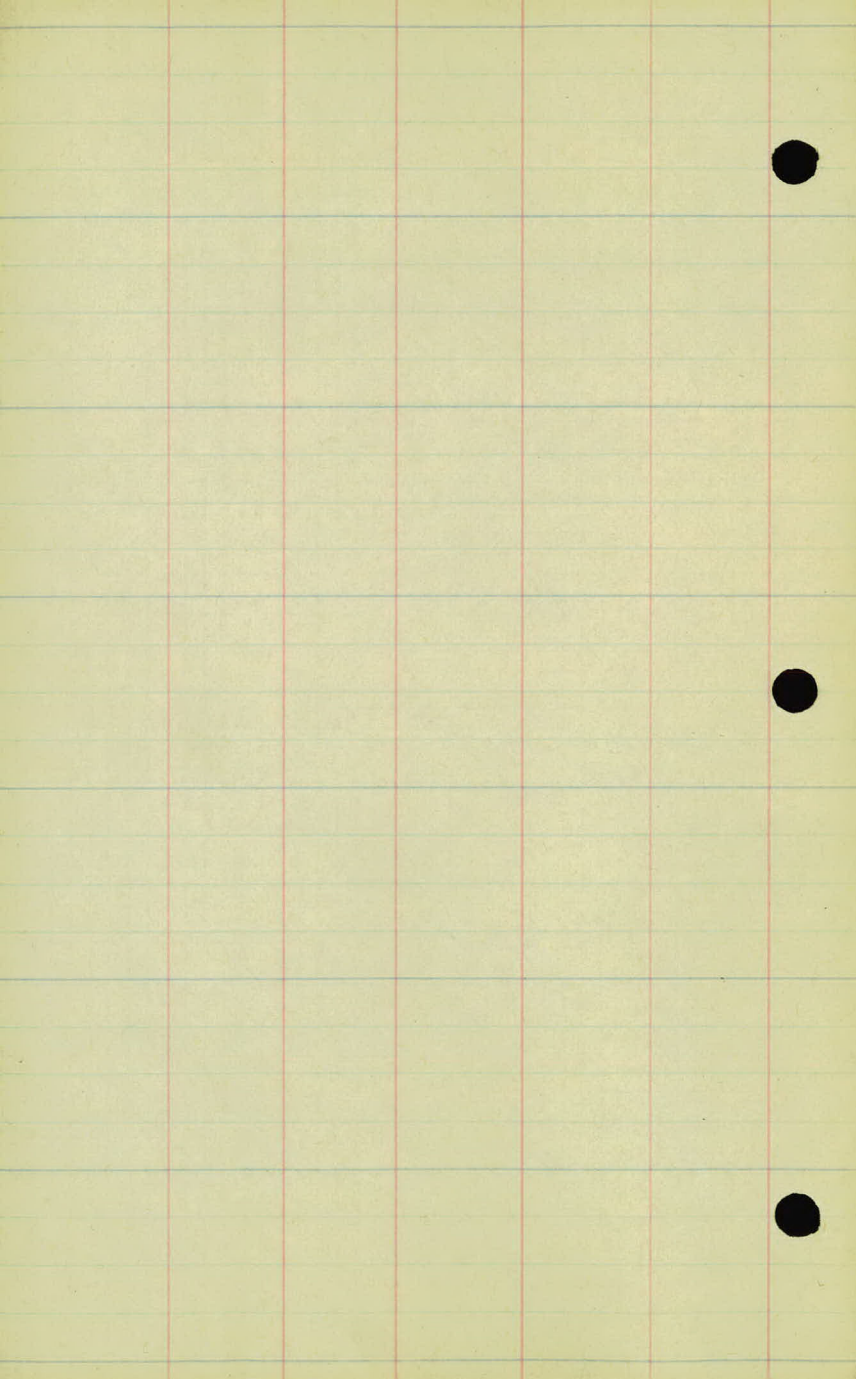
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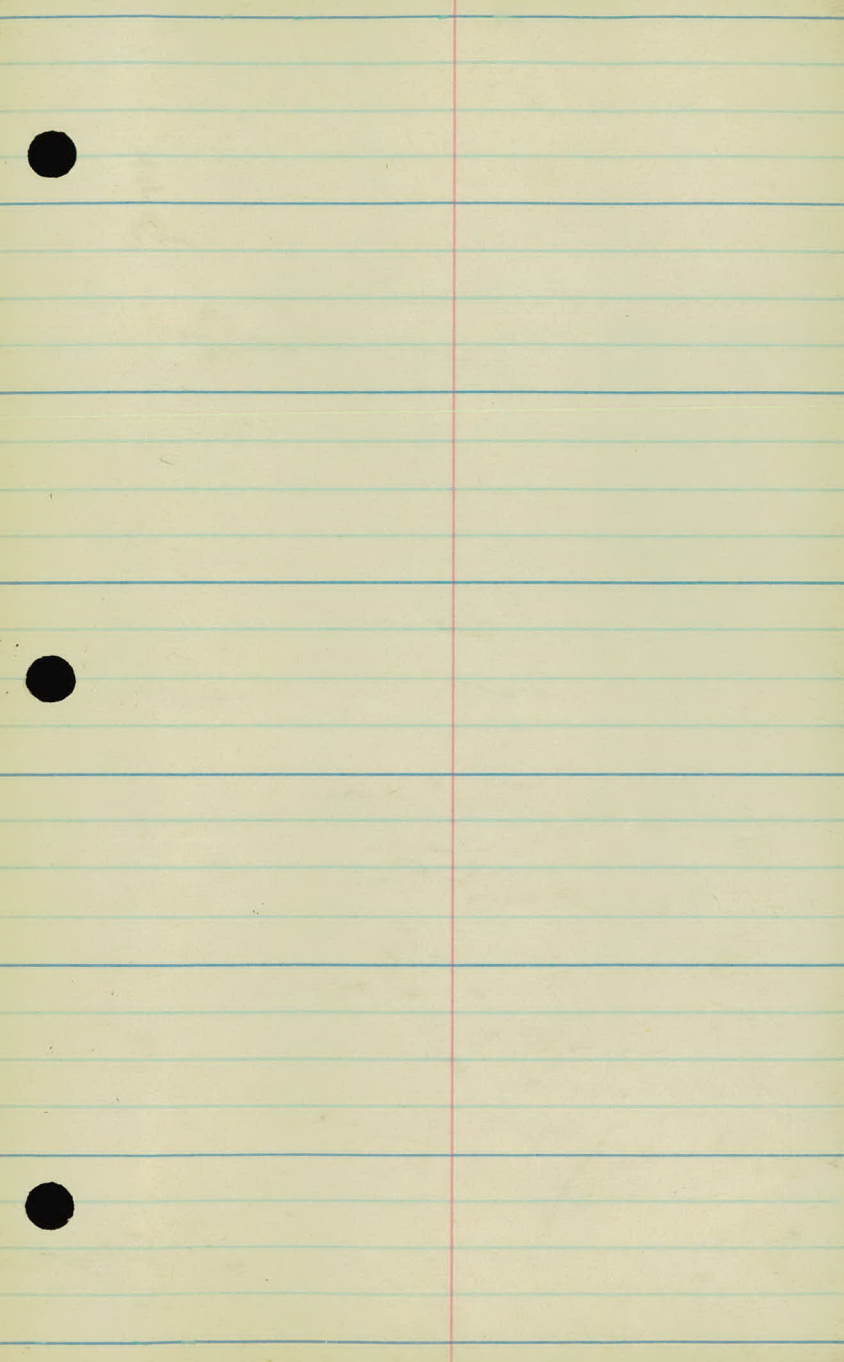
1

Vineyard ^x
 x Berry
 x Patch 34+35
 x x x x 34+20

+08. Car Born 353
 49"
 16"
 109 57"

Highwood Ave.





BM 1.61 887.44 ✓ 879.83
 1+80 . ✓ 9.16 ~~878.28~~ ✓ 71.9
 T.P. 3.87 882.15 ✓ 9.16 878.28 ✓

2+00 ✓ 66.9
 T.P. 3.10 877.25 ✓ 8.00 874.15 ✓
 +25 61.4

+41 ✓ 58.3
 T.P. 0.77 865.92 ✓ 12.10 865.15 ✓
 +50 56.8

+75 52.1

3+00 48.4

+20 45.72

+35 44.6

Raining and Cold Left. 10/28/31 E

$\frac{+1.2}{210}$ $\frac{+0.4}{200}$ $\frac{2.1}{150}$ $\frac{4.6}{100}$ $\frac{8.5}{50}$ $\frac{12.6}{20}$ $\frac{16.8}{13}$ $\frac{17.6}{4}$ $\frac{15.5}{2}$ $\frac{15.5}{15.5}$

$\frac{+6.0}{211}$ $\frac{+3.0}{200}$ $\frac{1.6}{174}$ $\frac{4.1}{150}$ $\frac{4.6}{134}$ $\frac{3.8}{100}$ $\frac{3.5}{74}$ $\frac{4.3}{50}$ $\frac{5.8}{38}$ $\frac{8.2}{25}$ $\frac{15.0}{11}$ $\frac{15.3}{15.3}$

$\frac{+12.0}{214}$ $\frac{+9.0}{196}$ $\frac{+4.0}{174}$ $\frac{1.2}{150}$ $\frac{8.3}{116}$ $\frac{6.3}{100}$ $\frac{3.8}{91}$ $\frac{5.8}{79}$ $\frac{5.8}{50}$ $\frac{6.4}{40}$ $\frac{15.2}{10}$ $\frac{15.9}{15.9}$ = Door sill Barn S. side

$\frac{+11.0}{214}$ $\frac{+10.0}{200}$ $\frac{+5.0}{171}$ $\frac{2.0}{146}$ $\frac{6.2}{124}$ $\frac{11.0}{106}$ $\frac{13.6}{100}$ $\frac{8.1}{83}$ $\frac{7.6}{67}$ $\frac{9.8}{50}$ $\frac{12.4}{36}$ $\frac{19.0}{11}$ $\frac{19.0}{19.0}$

$\frac{+12.6+14.0}{214}$ $\frac{+12.0}{158}$ $\frac{+5.0}{150}$ $\frac{0.0}{125}$ $\frac{1.3}{108}$ $\frac{0.8}{95}$ $\frac{0.2}{90}$ $\frac{2.4}{75}$ $\frac{4.6}{50}$ $\frac{7.7}{34}$ $\frac{9.1}{18}$ $\frac{9.1}{9.1}$

$\frac{+20.0}{214}$ $\frac{+20.0}{200}$ $\frac{+1.6}{150}$ $\frac{+6.3}{125}$ $\frac{0.4}{100}$ $\frac{3.8}{80}$ $\frac{7.6}{68}$ $\frac{7.6}{55}$ $\frac{15.1}{8}$ $\frac{13.5}{4}$ $\frac{13.5}{13.5}$

$\frac{13.5}{50}$ $\frac{15.8}{216}$ $\frac{+17.6}{180}$ $\frac{+14.0}{122}$ $\frac{0.0}{99}$ $\frac{10.8}{62}$ $\frac{17.5}{50}$ $\frac{18.6}{5}$ $\frac{17.5}{17.5}$

Vineyard $\rightarrow$ $\frac{21}{106}$ $\frac{45}{78}$ $\frac{135}{68}$ $\frac{158}{50}$ $\frac{170}{35}$ $\frac{202}{202}$

$\frac{7.6}{100}$ $\frac{16.4}{72}$ $\frac{17.4}{50}$ $\frac{21.3}{21.3}$
 Berry Patch.

E. City Limits

