

Book #7, Or. 11

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

PLAN Survey

WALNUT ST.

From Spring St. To Co. Rd. "A2"

Road Acc't. No. R22

Date Filed 1932

File 32-R22

PROJ. 32-R22

Alignment

Walnut St.

Spring St. to Co. Rd. A2

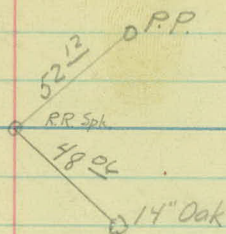
STAN POINT

13+13⁹⁷ & Co. Rd. A²

11+06¹⁶ P.O.T.

7+88⁷⁰ P.O.T.

0+00 & Spring St.



Hub

N.E. Cor. Ho.

60.06

Hub

83.32

N.E. Cor. Ho.

L. Co. Rd.

79.73

10 Oak.

Hub

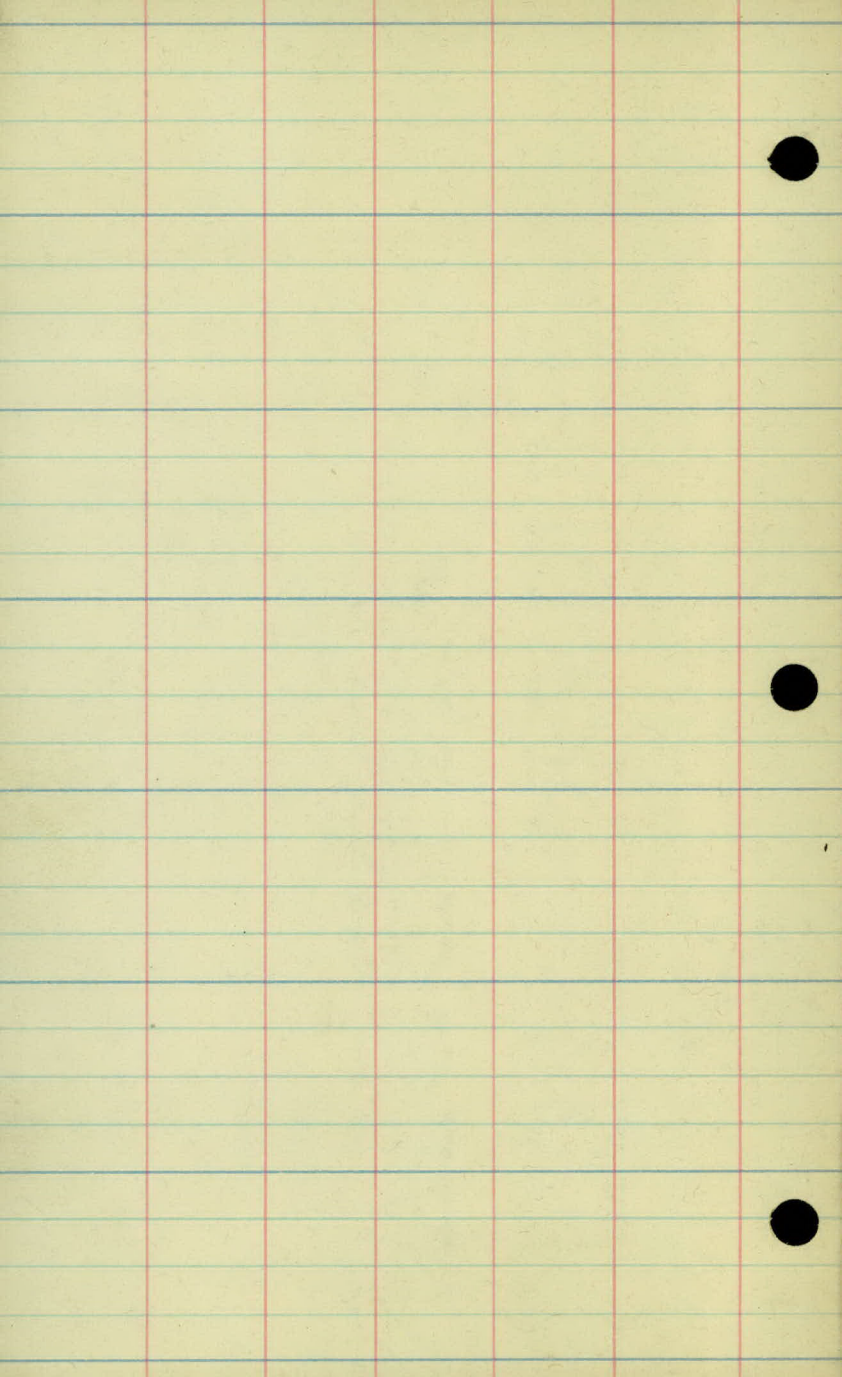
55.20

71.72

74.53

Cor. Ho.

12" Oak



Topography
Walnut St.
Spring to A₂

STA.

5

4

3

2

1

0+00

+95-Tr. 30'
 +93-Tr. 21'
 +85-Tr. 17'
 +72-4 Tr. 15'

Pot Hole

+37-Tr. 7'

+33-2 Tr. 24'

+81-Stp. 5'

+38-Stp. 23'

+23-Stp. 5'
 +17-Tr. 5'

+95-4 Drive



+56-Ho. 48'

+21-Stp. 5'
 +06-Stp. 6'

Pasture

+66-Stp. 1'
 +41-Stp. 3'

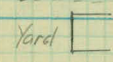


+33-House 52'

+30-Stump &
 +08-4 Stumps &
 +91-Stump 1'

+58-24" Oak 3'

+43-Stump &
 +38-"
 +26-Stump &
 +12-Stump &



+80-House 61'
 +67-End

+33-2 Stumps &
 +18-Tr. &



+98-Garden 24'

0-07-2 Tr. 3'

00

STM.

11

10

9

8

7

6

+77-Tr. 1'

+94-Tr. 1'

+70-Step. 4'
+50-Step. 3'
+39-Step. 2'
+32-Tr. 1'

+70-Tr. 5'

+15-Step. 2'

+01-Step. 1'

+80-Step. 3'

+73-Step. 3'

+56-Step. 3'

+25-Step. 3'

+94-Step. 1'

+
+43-Tr. 1'

+88-Step. 4'

+49-Tr. 3'

Pasture

Woods & Brush

+79-Tr. 1'
+56-Ho. 60'
+51-Step. 1'
+38-Step. 4'
+25-Step. 1'
+10-Step. 4'
+06-Ho. 59'

+79-Tr. 1'

+45-Ho. 46'

+18-Ho. 40'

+68-~~4~~ Summer St.
+52-Tr. 2'
+43-Tr. 4'
+40-Tr. 4'
+36-Tr. 4'

+03-Tr. 5'

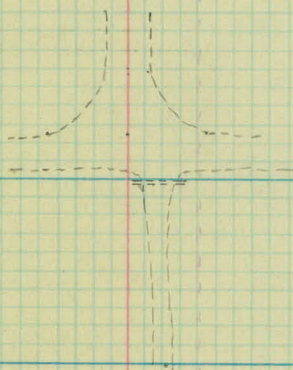
Pot. Hole

5711

14

13

12



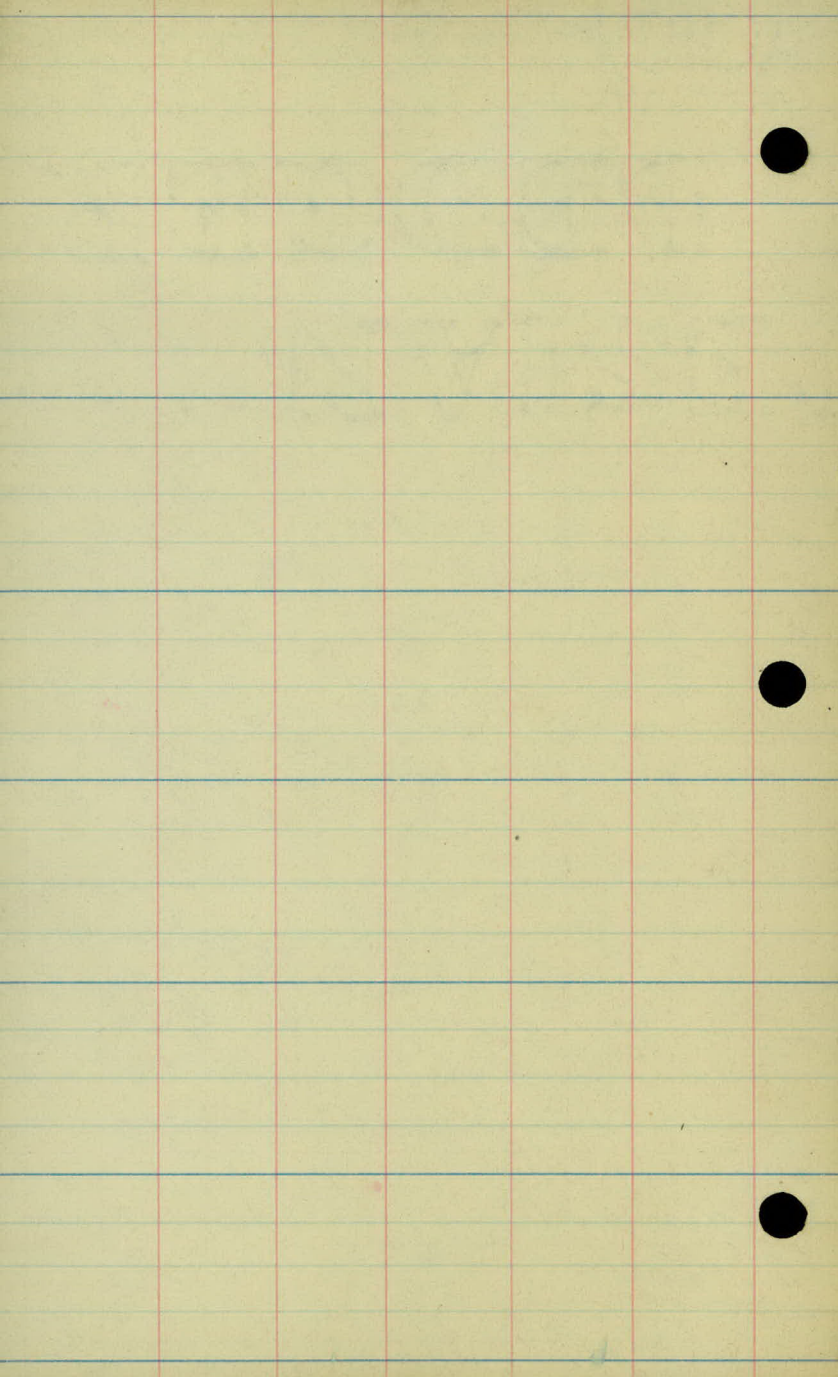
+13.97 $\pm$ Co. Rd. A

+97-15" X 30" C.M. 3'

+44- Tr. 3'

+10- Tr. 2'

+05- Tr. 2'



X-Sections
Walnut St.
Spring St. to. A²

STM	+	HI	-	ROD	ELEV.
B.M.	2.46	963.68		961.22	
B.M.			5.64	958.04	✓
0+00	E Spring St.			4.0	959.7
+50				3.6	60.1
1				3.0	60.7
+50				4.4	59.3
2				5.8	57.9
+50				6.4	57.3
3				8.6	55.1
+50				10.3	53.4
+60				10.6	53.1
+70				10.7	53.0
4				11.7	52.0
T.P.	3.15	955.19	11.64	952.04	✓
+50				5.3	51.9

Spk. in 12" Oak N.W. Cor. Spring & Walnut Sts.

" " 18" " S.E. " " " "

$\frac{4.9}{40}$	$\frac{4.6}{30}$	$\frac{4.6}{21}$	$\frac{4.5}{10}$	4.0	$\frac{3.8}{15}$	$\frac{3.6}{30}$	$\frac{3.5}{40}$
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$\frac{5.1}{40}$	$\frac{4.7}{30}$	$\frac{4.3}{10}$	3.6	$\frac{3.7}{11}$	$\frac{3.7}{16}$	$\frac{2.8}{22}$	$\frac{2.7}{30}$	$\frac{2.5}{40}$
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$\frac{6.1}{40}$	$\frac{5.1}{30}$	$\frac{4.4}{4}$	$\frac{3.0}{2}$	3.0	$\frac{3.2}{13}$	$\frac{2.7}{28}$	$\frac{1.8}{32}$	$\frac{1.6}{40}$ ← Yard
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$\frac{7.1}{40}$	$\frac{6.9}{30}$	$\frac{5.5}{7}$	$\frac{4.5}{4}$	4.4	$\frac{4.7}{8}$	$\frac{4.5}{15}$	$\frac{3.7}{18}$	$\frac{2.8}{30}$	$\frac{2.5}{40}$
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$\frac{8.2}{40}$	$\frac{7.4}{30}$	$\frac{6.4}{6}$	$\frac{5.8}{3}$	5.8	$\frac{5.8}{12}$	$\frac{5.6}{18}$	$\frac{4.5}{30}$	$\frac{4.4}{40}$
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$\frac{9.0}{40}$	$\frac{8.2}{30}$	$\frac{7.3}{9}$	6.4	$\frac{6.1}{14}$	$\frac{6.2}{26}$	$\frac{5.4}{29}$	$\frac{5.3}{40}$ ← Yard
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$\frac{10.1}{40}$	$\frac{9.3}{30}$	$\frac{9.2}{25}$	$\frac{8.5}{14}$	8.6	$\frac{8.6}{19}$	$\frac{7.2}{26}$	$\frac{7.5}{30}$	$\frac{8.1}{40}$
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$\frac{10.3}{40}$	$\frac{9.7}{30}$	$\frac{9.6}{24}$	$\frac{10.6}{16}$	10.3	$\frac{10.1}{21}$	$\frac{10.5}{30}$	$\frac{10.7}{40}$ ←
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$\frac{13.3}{40}$	$\frac{12.2}{30}$	$\frac{11.6}{25}$	$\frac{10.7}{16}$	10.6	$\frac{10.6}{21}$	$\frac{10.8}{30}$	$\frac{10.8}{40}$ ← Yard
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$\frac{9.7}{40}$	$\frac{9.2}{30}$	$\frac{10.3}{20}$	$\frac{10.7}{9}$	10.7	$\frac{10.8}{20}$	$\frac{11.1}{30}$	$\frac{11.2}{40}$ ←
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$\frac{12.6}{40}$	$\frac{12.2}{30}$	$\frac{11.2}{18}$	11.7	$\frac{11.2}{11}$	$\frac{11.3}{22}$	$\frac{11.6}{30}$	$\frac{12.0}{40}$
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$\frac{4.7}{40}$	$\frac{4.4}{30}$	$\frac{3.8}{11}$	$\frac{2.6}{6}$	$\frac{3.2}{3}$	3.3	$\frac{4.0}{19}$	$\frac{4.5}{30}$	$\frac{5.0}{40}$
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STA	+	HI	-	ROD	ELEV
		955.19 ✓			
5				5.5	949.7.
	+35			8.4	46.8.
	+65			8.8	46.4.
6				8.4	46.8.
	+32			6.2	49.0.
	+60			3.4	51.8.
	+72			2.8	52.4.
T.P.	11.99	964.31 ✓	2.87	952.32 ✓	
	+82			10.9	53.4.
B.M.			8.76	955.55 ✓	
7				8.8	55.5.
	+40			5.6	58.7.
	+62			4.5	59.8.
	+82			2.9	61.4.
	+89			2.6	61.7.

$\frac{4.9}{40}$	$\frac{5.1}{30}$	$\frac{5.2}{11}$	$\frac{4.1}{7}$	$\frac{5.2}{4}$	5.5	$\frac{6.2}{9}$	$\frac{6.6}{17}$	$\frac{8.0}{30}$	$\frac{9.0}{40}$
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$\frac{5.2}{40}$	$\frac{5.6}{30}$	$\frac{6.5}{7}$	8.4	$\frac{8.5}{9}$	$\frac{9.8}{24}$	$\frac{9.8}{30}$	$\frac{10.0}{40}$
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← Pot Hole

$\frac{4.5}{40}$	$\frac{5.3}{30}$	$\frac{6.6}{12}$	$\frac{8.4}{4}$	8.8	$\frac{8.8}{8}$	$\frac{9.5}{16}$	$\frac{10.0}{30}$	$\frac{10.0}{40}$
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$\frac{4.5}{40}$	$\frac{5.2}{30}$	$\frac{6.7}{8}$	8.4	$\frac{8.5}{10}$	$\frac{9.5}{24}$	$\frac{9.7}{30}$	$\frac{9.7}{40}$
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$\frac{4.1}{40}$	$\frac{4.5}{30}$	$\frac{5.2}{19}$	$\frac{5.0}{6}$	6.2	$\frac{6.7}{8}$	$\frac{6.8}{21}$	$\frac{7.1}{30}$	$\frac{7.0}{40}$
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$\frac{2.4}{40}$	$\frac{3.1}{30}$	$\frac{3.5}{15}$	3.4	$\frac{3.3}{19}$	$\frac{3.1}{30}$	$\frac{3.1}{40}$
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← Summer St.

$\frac{2.2}{40}$	$\frac{2.5}{30}$	$\frac{3.0}{20}$	2.8	$\frac{2.6}{19}$	$\frac{2.6}{30}$	$\frac{2.6}{40}$
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$\frac{8.0}{40}$	$\frac{8.0}{30}$	$\frac{8.7}{4}$	10.9	$\frac{11.1}{21}$	$\frac{9.7}{29}$	$\frac{9.4}{40}$
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Spk. in P.P. 40' Rt. Sta. 6+78

$\frac{7.2}{40}$	$\frac{7.5}{30}$	$\frac{8.2}{5}$	8.8	$\frac{8.8}{11}$	$\frac{7.8}{18}$	$\frac{7.2}{30}$	$\frac{7.7}{40}$
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Yard → $\frac{6.4}{40}$ $\frac{6.4}{30}$ $\frac{6.3}{16}$ $\frac{5.1}{2}$ 5.6 $\frac{5.2}{12}$ $\frac{4.7}{20}$ $\frac{4.8}{30}$ $\frac{5.4}{40}$ ← Yard

$\frac{5.6}{40}$	$\frac{5.4}{30}$	$\frac{4.0}{3}$	4.5	$\frac{4.0}{12}$	$\frac{4.3}{28}$	$\frac{5.5}{40}$
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$\frac{5.5}{40}$	$\frac{5.3}{32}$	$\frac{2.7}{28}$	$\frac{2.5}{3}$	2.9	$\frac{3.3}{24}$	$\frac{4.4}{30}$	$\frac{5.7}{40}$
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$\frac{1.7}{40}$	$\frac{2.2}{30}$	$\frac{2.8}{10}$	$\frac{2.2}{3}$	2.6	$\frac{3.4}{4}$	$\frac{4.0}{19}$	$\frac{4.8}{30}$	$\frac{6.0}{40}$
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STA + HI - ROD ELEV

964.31 ✓

8 2.8 961.5

+30 5.4 58.9

T.P. 4.44 964.36 ✓ 4.59 959.72 ✓

+60 8.8 55.6

9 8.5 55.9

+43 6.0 58.4

10 5.8 58.6

+30 4.9 59.5

T.P. 4.20 961.72 ✓ 6.84 957.52 ✓

+80 4.5 57.2

11 4.9 56.8

+35 5.3 56.4

+70 7.1 54.6

T.P. 5.43 955.21 ✓ 11.94 949.78 ✓

12 3.1 52.1

+20 4.7 50.5

$$\frac{1.5}{40} \quad \frac{1.6}{30} \quad \frac{2.1}{20} \quad \frac{2.2}{3} \quad 2.8 \quad \frac{4.1}{3} \quad \frac{5.2}{18} \quad \frac{6.0}{30} \quad \frac{6.7}{40}$$

$$\frac{4.6}{40} \quad \frac{4.5}{30} \quad \frac{5.0}{14} \quad \frac{4.5}{2} \quad 5.4 \quad \frac{8.0}{6} \quad \frac{9.0}{13} \quad \frac{10.3}{30} \quad \frac{11.0}{40}$$

$$\frac{7.4}{40} \quad \frac{7.6}{30} \quad \frac{8.0}{15} \quad \frac{8.1}{2} \quad 8.8 \quad \frac{9.4}{2} \quad \frac{10.3}{13} \quad \frac{10.8}{30} \quad \frac{11.4}{40}$$

$$\frac{7.9}{40} \quad \frac{8.2}{30} \quad \frac{8.5}{15} \quad \frac{8.1}{2} \quad 8.5 \quad \frac{9.0}{2} \quad \frac{8.6}{13} \quad \frac{9.4}{31} \quad \frac{10.2}{40}$$

$$\frac{6.7}{40} \quad \frac{6.8}{30} \quad \frac{7.1}{14} \quad 6.0 \quad \frac{6.0}{9} \quad \frac{6.6}{22} \quad \frac{7.2}{30} \quad \frac{8.0}{40}$$

$$\frac{4.0}{40} \quad \frac{5.0}{30} \quad \frac{5.8}{15} \quad \frac{5.5}{9} \quad 5.8 \quad \frac{7.0}{9} \quad \frac{7.3}{13} \quad \frac{6.7}{15} \quad \frac{7.4}{19} \quad \frac{8.0}{30} \quad \frac{9.2}{40}$$

$$\frac{3.7}{40} \quad \frac{4.5}{30} \quad \frac{5.4}{14} \quad 4.9 \quad \frac{7.0}{3} \quad \frac{7.4}{8} \quad \frac{7.6}{13} \quad \frac{7.2}{16} \quad \frac{9.0}{33} \quad \frac{9.8}{40}$$

$$\frac{0.4}{40} \quad \frac{1.3}{30} \quad \frac{3.0}{19} \quad \frac{3.6}{3} \quad 4.5 \quad \frac{8.0}{8} \quad \frac{10.2}{20} \quad \frac{11.2}{30} \quad \frac{12.5}{40}$$

$$\frac{0.0}{40} \quad \frac{0.8}{30} \quad \frac{3.4}{15} \quad \frac{3.8}{3} \quad 4.9 \quad \frac{10.0}{13} \quad \frac{11.0}{20} \quad \frac{11.8}{30} \quad \frac{13.1}{40}$$

$$\frac{0.5}{40} \quad \frac{1.7}{30} \quad \frac{3.6}{14} \quad \frac{3.6}{5} \quad 5.3 \quad \frac{9.0}{12} \quad \frac{9.7}{17} \quad \frac{10.7}{20} \quad \frac{11.8}{30} \quad \frac{12.8}{40}$$

$$\frac{6.0}{40} \quad \frac{6.5}{30} \quad \frac{7.4}{16} \quad \frac{6.3}{5} \quad 7.1 \quad \frac{9.7}{12} \quad \frac{10.4}{15} \quad \frac{10.8}{30} \quad \frac{12.0}{40}$$

$$\frac{3.7}{40} \quad \frac{3.8}{30} \quad \frac{4.0}{16} \quad \frac{2.7}{2} \quad 3.1 \quad \frac{3.7}{2} \quad \frac{4.2}{13} \quad \frac{5.0}{14} \quad \frac{5.7}{30} \quad \frac{6.7}{40}$$

$$\frac{5.2}{40} \quad \frac{5.7}{30} \quad \frac{6.0}{14} \quad \frac{4.9}{5} \quad 4.7 \quad \frac{5.2}{5} \quad \frac{5.9}{14} \quad \frac{6.2}{30} \quad \frac{6.9}{40}$$

STA + H.I. - Rod ELEV.

955.21

12+59

7.8 947.4

13

7.3 47.9

+13.97

5.9 49.3

B.M.

6.83

948.38

948.38

B.M.

5.34

949.87

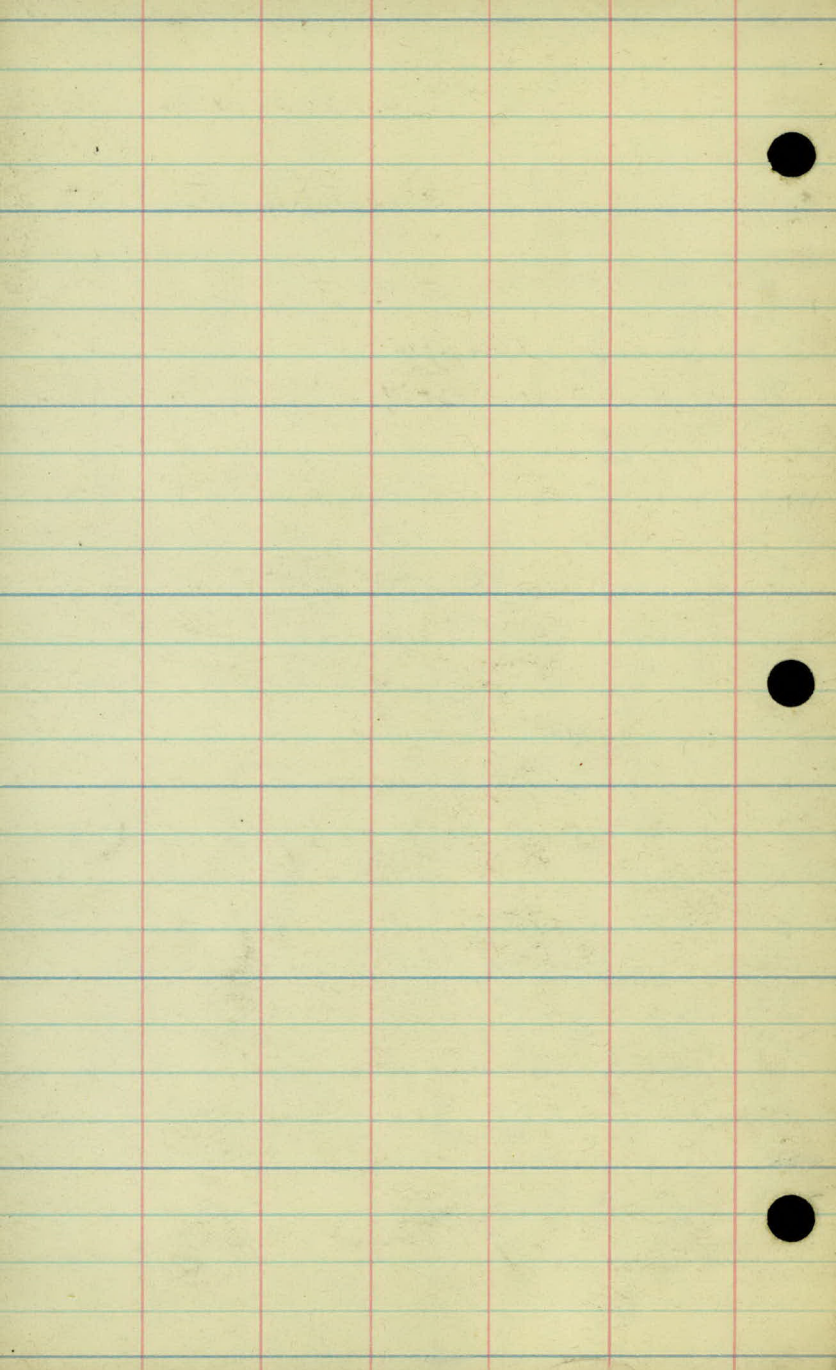
$$\frac{6.8}{40} \quad \frac{7.0}{30} \quad \frac{7.5}{13} \quad \frac{7.4}{3} \quad 7.8 \quad \frac{9.5}{6} \quad \frac{9.4}{24} \quad \frac{9.8}{28} \quad \frac{9.8}{40}$$

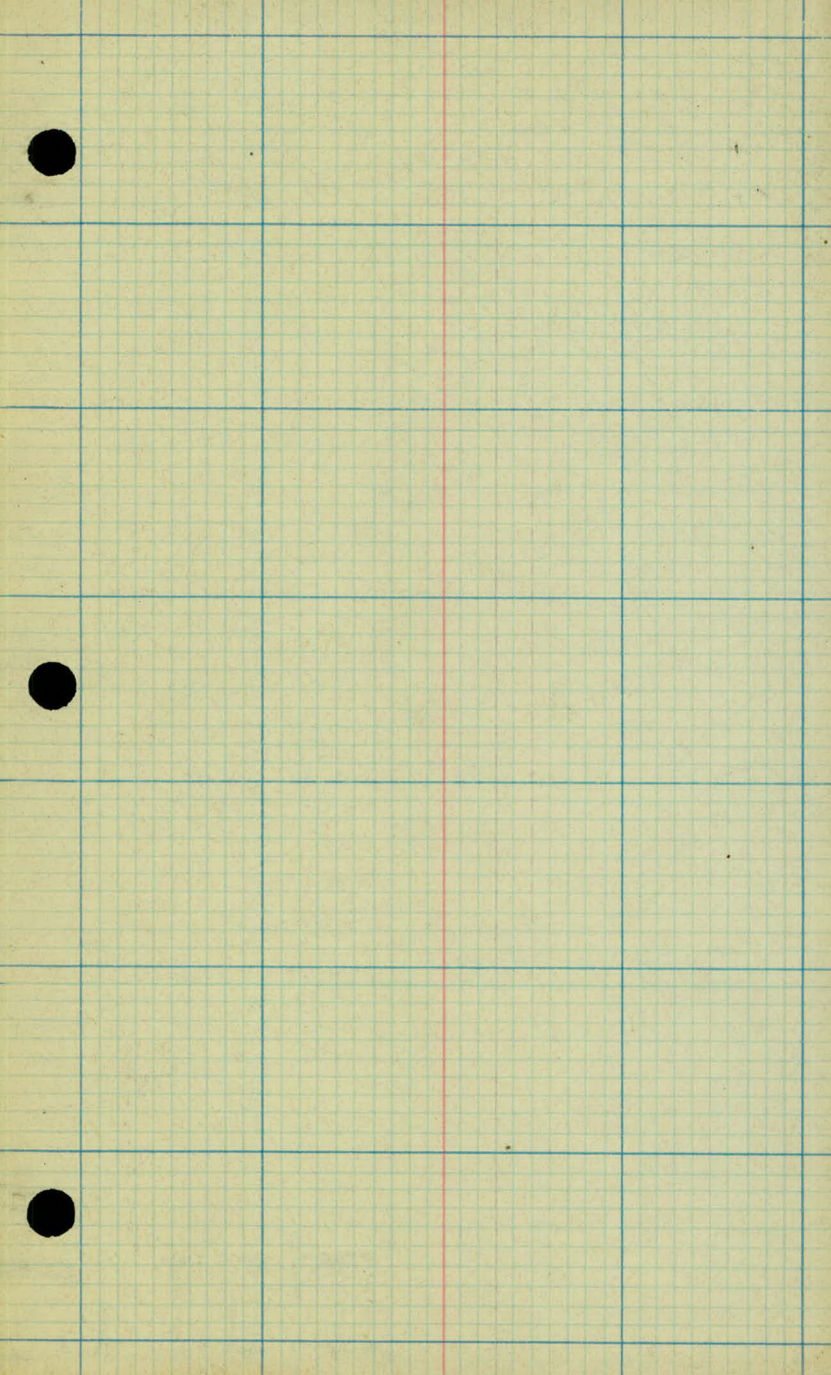
$$\frac{5.3}{50} \quad \frac{5.6}{30} \quad \frac{6.5}{15} \quad 7.3 \quad \frac{7.1}{8} \quad \frac{7.2}{26} \quad \frac{7.7}{30} \quad \frac{7.5}{42}$$

$$\frac{4.9}{50} \quad 5.9 \quad \frac{6.5}{50}$$

Spk. in 18" Oak 4' Rt. Sta 12+45

" " 18" " 40' Rt. " 12+34





0+00 to 0+50 Cl 2 & Gr. 4 trees
0+50 Pl. 15" X 20 C.M. LT.
1+40 Pl. 15" X 20 C.M. RT.
1+00 to 3+50 Cl. 1 & GR. 16.
2+75 Pl. 15" X 20 C.M. RT.
3+90 Pl. 15" X 20 C.M. RT.
4+00 to 5+00 GR. 3.
5+25 to 6+50 Ch. 16 TR & GR 8 TR.
5+50 Pl. 24" P³ 42'
6+70 Pl. 18" X 30 C.M. RT. & LT.
7+00 Pl. 15" X 20 C.M. LT.
7+00 to 8+00 GR. 5 TR & Cl. 1 TREE
7+60 Pl. 15" X 20 C.M. LT.
7+50 Pl. 15" X 20 C.M. RT.
8+00 to 10+00 GR. 15 TR & Cl. 1 TR.
10+00 to 13+00 GR. 20 TR & Cl. 10 TR.
12+50 Pl. 24" P³, 42'
Check drainage 9+50 North
12+00 Pl. 15" X 20 C.M. LT.

$$\begin{array}{r}
 1320 \\
 \underline{36} \\
 7920 \\
 \underline{0} \\
 39600 \\
 \underline{520} \\
 9 \overline{) 47520} \\
 \underline{5280}
 \end{array}$$

