

Book-3 - Dr. 13

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Curb Plan Survey

7TH ST & 4TH AVE.
New Brighton,
From..... To.....

Road Acc't. No. 34-N.B.7

Date Filed. 1934 File.....

Weber
Stooglon
Bell
Stienman

3-14-34
Windy - Cold.

Transit	Survey
4 th Ave From	7 th To 8 th St
7 th St. From	5 th To 3 rd Aves.

34 - N.B. 7

Cons'y.
34 - N.B. 7

(Alignment 4th Ave.)

6+58⁴³

± 8th St

4th Ave.

0+00 int ± 4th = + 7th =

T.P. 30.44
36.05
T.P. SPK

(Alignment 7th St. Notes.)

6+51.70 ± 3rd Ave.

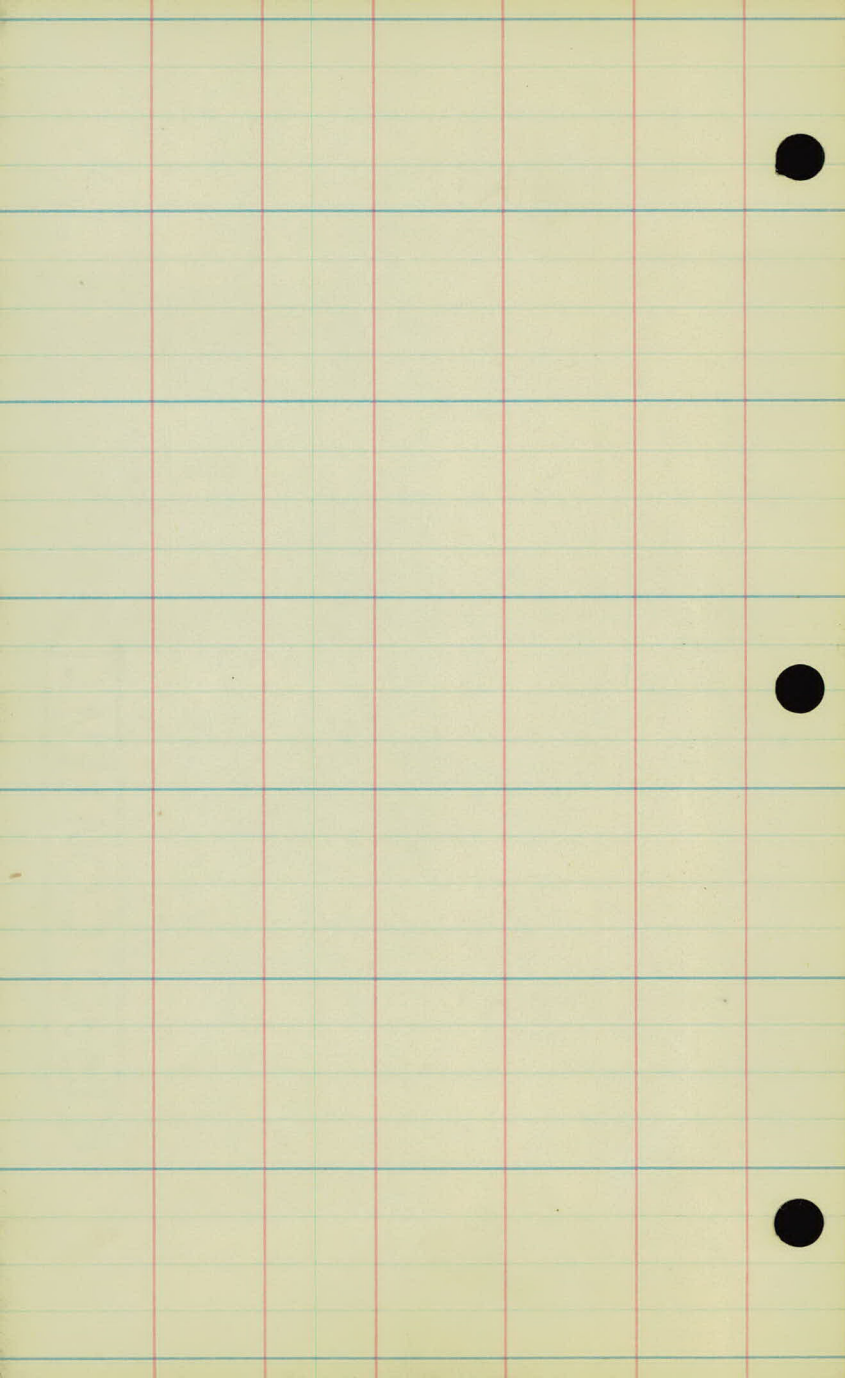
P.P.
 17
 9
 10
 12
 31.51
 P.P.
 30 ft

3+26.18 ± 4th Ave.

30 ft
 30 ft
 P.P.
 T.P.

0+0 ± 5th Ave

Bottom Stone
 Cor. Wall
 43.27
 30.53
 Hyd.
 Nail in pave. S.T.H. #62
 S.T.H.



3-14-34

Webster
Skoglund
Stienman
Bell

Topog Notes

7th St. - 5th To 3rd Aves
and

4th Ave - 7th To 8th Sts.

6

5

4

3

2

1

0 + 00

6

5

4

3

2

1

0+00

(4th Ave.)

+37 R.R. 34'

+26 iron Rd Sq. 21.5
6

+52-24" Oak 30'

5

+71 Pr. Dr.

+30 Pr. Dr.
+24 F. Cov 29.5

4

+69 End wall 21.5

+10 Cor. Cone Wall 21.5

3

+64 Pr. Dr.
+54 F. Cov 29'

2

+76 Pr. Dr.
+89 End S.W. 21.8
+80-12 B.E. 20'
+68-12 B.E. 20'
+54 Pr. Dr.

+15 Pr. Dr.
S.W. 22.3

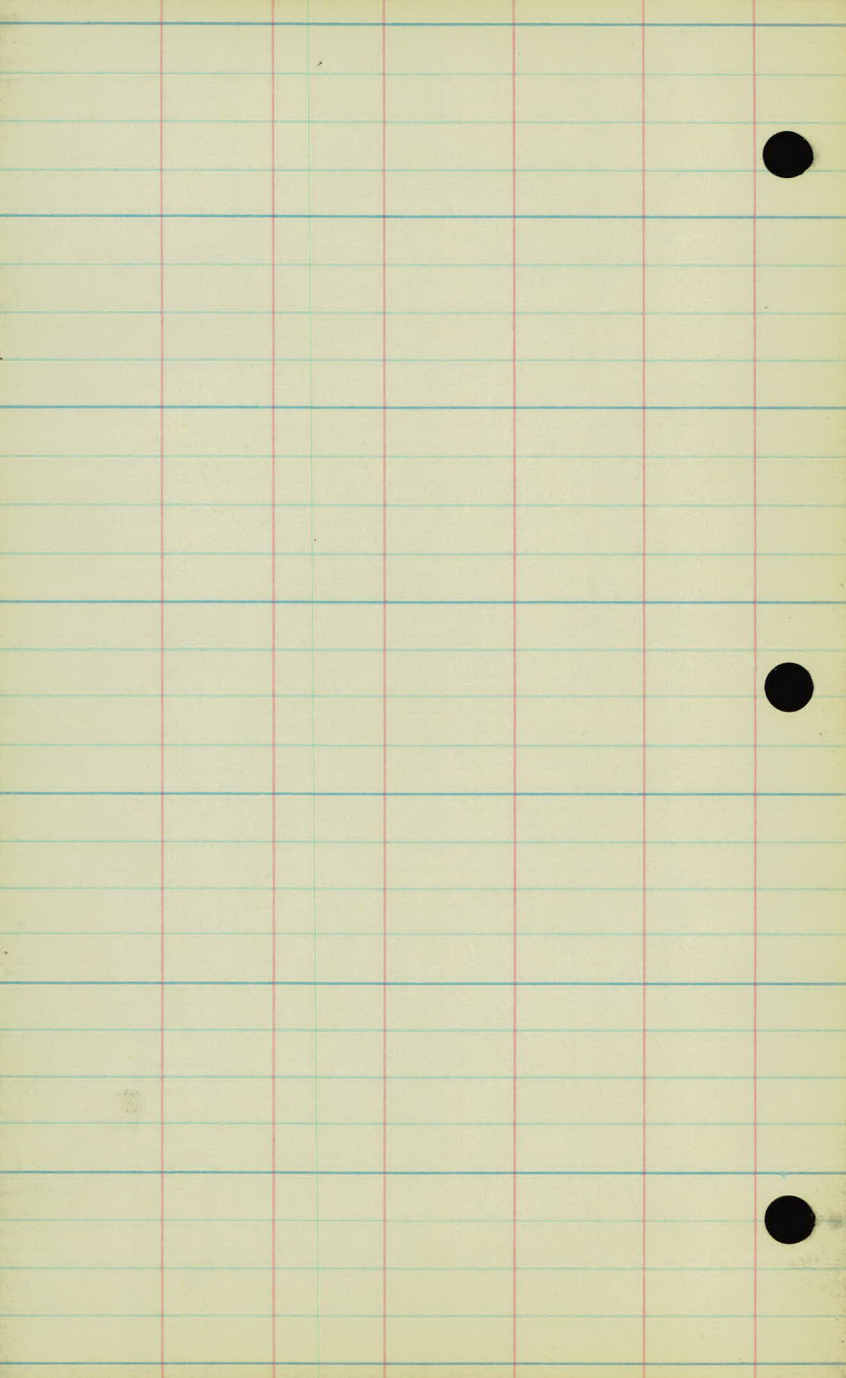
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+81 End 4' Cent wlk. 28'

+32 F. End 30.5' x x x x
+23 - R.R. 20'

+49-20" Oak 17'
+25 End S.W. 22.3
+23-8" Elm 20'

0



X Section Notes.

7th St. 5th Ave To 3rd Ave.

and.

4th Ave. 7th St To 8th St.

7th St. N.

Sta.	+	Ht.	-	Elev
B.M.	1.36	922.53	✓	921.17
T.P.	5.58	917.66	✓	10.45 912.08
B.M.			3.83	913.83
0+00	5th Ave. S.T.H. 62			907.8
+10				07.7
+14	E. Edge conc Gutter.			07.6
+24				08.0
+50				08.4
1				09.3
+50				^{19.66} 10.3 ¹³⁰⁶
✓				11.2
+50				12.0
3				12.5
+12	Top curb RIGHT			12.6
+26	± 4th Ave.			12.7

Left & RIGHT
Spk in P.P. S.W. cor. 4th Ave + 6th St.

Spk. T.P. S.W. cor. 4th Ave + 7th St.

$$\begin{array}{r} 10.8 \quad 10.4 \quad 9.5 \quad 9.1 \\ \hline 50 \quad 25 \quad 9.9 \quad 25 \quad 50 \end{array}$$

4 25

$$\begin{array}{r} 10.8 \quad 10.4 \quad 9.5 \quad 9.1 \\ \hline 50 \quad 25 \quad 100 \quad 25 \quad 50 \end{array}$$

$$\begin{array}{r} 10.7 \quad 10.6 \quad 9.8 \quad 8.7 \quad 8.6 \\ \hline 40 \quad 20 \quad 101 \quad 17 \quad 28 \quad 40 \end{array}$$

$$\begin{array}{r} \text{S.W.} \\ 9.6 \quad 9.6 \quad 10.7 \quad 9.6 \quad 100 \quad 9.0 \quad 8.8 \\ \hline 40 \quad 25 \quad 19 \quad 5 \quad 9.7 \quad 10 \quad 18 \quad 40 \end{array}$$

X = 2 S.W.K.

$$\begin{array}{r} 6.2 \quad 6.5 \quad 9.0 \quad 9.1 \quad 9.8 \quad 9.3 \quad 8.7 \quad 9.4 \quad 9.4 \\ \hline 40 \quad 33 \quad 32 \quad 21 \quad 16 \quad 9.3 \quad 11 \quad 23 \quad 30 \quad 40 \end{array}$$

$$\begin{array}{r} 5.5 \quad 5.6 \quad 7.7 \quad 7.8 \quad 9.0 \quad 8.4 \quad 8.1 \quad 7.8 \quad 7.7 \quad 6.7 \\ \hline 40 \quad 33 \quad 32 \quad 22 \quad 15 \quad 8.4 \quad 11 \quad 12 \quad 23 \quad 29 \quad 40 \end{array}$$

$$\begin{array}{r} 5.4 \quad 4.8 \quad 6.4 \quad 7.6 \quad 7.6 \quad 6.9 \quad 6.3 \quad 5.4 \\ \hline 40 \quad 33 \quad 32 \quad 15 \quad 7.4 \quad 10 \quad 23 \quad 32 \quad 40 \end{array}$$

$$\begin{array}{r} 3.8 \quad 3.8 \quad 5.5 \quad 6.7 \quad 6.5 \quad 6.8 \quad 6.0 \quad 5.9 \quad 4.4 \quad 3.9 \\ \hline 40 \quad 33 \quad 28 \quad 16 \quad 6.5 \quad 14 \quad 23 \quad 26 \quad 32 \quad 40 \end{array}$$

$$\begin{array}{r} 3.8 \quad 3.8 \quad 5.2 \quad 5.7 \quad 5.7 \quad 6.0 \quad 5.7 \quad 5.2 \quad 5.0 \quad 3.5 \quad 3.4 \\ \hline 40 \quad 33 \quad 28 \quad 16 \quad 5.7 \quad 11 \quad 18 \quad 23 \quad 26 \quad 33 \quad 40 \end{array}$$

= E/ev. End Curb

$$\begin{array}{r} 4.6 \quad 4.7 \quad 5.4 \quad 5.4 \quad 4.7 \quad 4.5 \quad 4.5 \\ \hline 40 \quad 21 \quad 13 \quad 5.2 \quad 11 \quad 13 \quad 22 \quad 40 \end{array}$$

(913.06)

$$\begin{array}{r} 4.7 \quad 5.2 \quad 4.6 \quad 4.6 \\ \hline 40 \quad 25 \quad 5.1 \quad 23 \quad 40 \end{array}$$

$$\begin{array}{r} 4.8 \quad 4.9 \quad 5.2 \quad 5.1 \\ \hline 40 \quad 25 \quad 5.0 \quad 25 \quad 50 \end{array}$$

917.66

+39

Top Curb AF.

12.6

4

14.5

+50

16.4

T.P.

8.0292188

3.83

913.86

5

17.3

+50

16.1

6

14.3

+26

13.5

+33

x Dr.

13.6

+39

13.5

+51.7

± 3rd Ave.

13.3

13 M.

8.02

913.86

7th St.

LEFT & RIGHT

(= End Curve.)

$\frac{4.7}{40}$ $\frac{4.7}{21}$ $\frac{5.1}{18}$ 5.1 $\frac{4.6}{24}$ $\frac{4.6}{40}$ $\rightarrow (913.46)$

$\frac{1.8}{40}$ $\frac{2.2}{29}$ $\frac{2.9}{17}$ $\frac{3.4}{13}$ 3.2 $\frac{3.7}{12}$ $\frac{2.8}{14}$ $\frac{2.6}{40}$

$\frac{0.4}{40}$ $\frac{0.4}{31}$ $\frac{1.0}{27}$ $\frac{1.0}{16}$ $\frac{1.6}{13}$ 1.3 $\frac{1.8}{10}$ $\frac{0.7}{14}$ $\frac{1.0}{40}$

$\frac{4.3}{40}$ $\frac{3.8}{30}$ $\frac{4.5}{16}$ $\frac{4.8}{13}$ 4.6 $\frac{4.8}{10}$ $\frac{4.2}{15}$ $\frac{4.0}{28}$ $\frac{3.4}{40}$

$\frac{5.7}{40}$ $\frac{5.2}{30}$ $\frac{5.2}{14}$ $\frac{5.8}{12}$ 5.8 $\frac{6.0}{13}$ $\frac{5.6}{15}$ $\frac{5.4}{23}$ $\frac{2.2}{31}$ $\frac{2.0}{40}$

$\frac{6.2}{40}$ $\frac{6.0}{30}$ $\frac{7.0}{28}$ $\frac{7.3}{17}$ $\frac{7.8}{13}$ 7.6 $\frac{8.0}{13}$ $\frac{7.5}{14}$ $\frac{7.3}{20}$ $\frac{2.3}{31}$ $\frac{2.0}{40}$

$\frac{7.4}{40}$ $\frac{7.0}{31}$ $\frac{8.1}{28}$ $\frac{9.0}{16}$ $\frac{10.1}{13}$ $\frac{8.8}{11}$ 8.4 $\frac{8.5}{13}$ $\frac{8.0}{21}$ $\frac{3.2}{30}$ $\frac{3.0}{40}$

$\frac{13.8}{40}$ $\frac{11.45}{15}$ $\frac{9.4}{13}$ 8.3 $\frac{8.0}{14}$ $\frac{9.55}{15}$ $\frac{7.3}{40}$

$\frac{12.0}{40}$ $\frac{10.1}{17}$ 8.4 $\frac{7.7}{17}$ $\frac{6.0}{40}$

$\frac{12.2}{40}$ $\frac{10.2}{20}$ 8.6 $\frac{7.2}{20}$ $\frac{6.1}{40}$

52

4TH AVE.

B.M. 124 915.10[✓] 913.86[✓]

0+00 12.7

+15 12.6

+50 13.0

1 12.6

+50 11.1

2 8.4

+50 5.1

3 01.9

T.P. 5.18 907.00[✓] 13.28 901.82[✓]

+50 98.7

4 95.4

T.P. 7.11 900.47[✓] 13.64 893.36[✓]

+50 92.3

5 89.1

T.P. 3.58 891.73 12.32 888.15

+50 86.6

B.M. 5.58 886.15 886.12

LEFT & RIGHT

Set in T.P.S.W. 4 Ave x 7th St.

$$\begin{array}{r} 28 \quad 25 \\ 40 \quad 20 \end{array} \quad 24 \quad \begin{array}{r} 24 \quad 20 \\ 23 \quad 40 \end{array}$$

$$\begin{array}{r} 28 \quad 30 \\ 40 \quad 19 \end{array} \quad 25 \quad \begin{array}{r} 26 \quad 21 \quad 20 \\ 14 \quad 21 \quad 40 \end{array}$$

x = 2 Side Walk.

$$\begin{array}{r} 05 \quad 07 \\ 40 \quad 31 \end{array} \quad \begin{array}{r} 19 \\ 28 \end{array} \quad \begin{array}{r} 19 \quad 25 \\ 16 \quad 12 \end{array} \quad 21 \quad \begin{array}{r} 25 \quad 20 \quad 15 \\ 12 \quad 15 \quad 24 \end{array} \quad \begin{array}{r} 08 \\ 40 \end{array}$$

$$\begin{array}{r} 1.0 \quad 1.1 \quad 1.8 \\ 40 \quad 30 \quad 28 \end{array} \quad \begin{array}{r} 2.2 \quad 2.7 \\ 15 \quad 12 \end{array} \quad 2.5 \quad \begin{array}{r} 2.6 \quad 2.1 \quad 2.1 \quad 1.9 \quad 0.0 \quad 0.0 \\ 12 \quad 13 \quad 24 \quad 27 \quad 34 \quad 40 \end{array}$$

$$\begin{array}{r} 2.7 \quad 2.7 \quad 3.5 \quad 3.8 \quad 4.5 \\ 40 \quad 30 \quad 27 \quad 15 \quad 12 \end{array} \quad 4.0 \quad \begin{array}{r} 4.1 \quad 3.7 \quad 3.4 \quad 1.4 \quad 1.4 \\ 12 \quad 16 \quad 27 \quad 33 \quad 40 \end{array}$$

$$\begin{array}{r} 5.4 \quad 4.6 \\ 40 \quad 30 \end{array} \quad \begin{array}{r} 6.1 \quad 6.5 \quad 7.2 \\ 27 \quad 17 \quad 10 \end{array} \quad 6.7 \quad \begin{array}{r} 7.1 \quad 6.6 \quad 6.1 \quad 5.4 \quad 4.7 \\ 9 \quad 14 \quad 25 \quad 29 \quad 40 \end{array}$$

$$\begin{array}{r} 6.0 \quad 6.0 \quad 9.5 \quad 7.8 \quad 10.2 \\ 40 \quad 30 \quad 23 \quad 14 \quad 10 \end{array} \quad 10.0 \quad \begin{array}{r} 10.2 \quad 9.7 \quad 9.4 \quad 7.4 \quad 7.5 \\ 11 \quad 14 \quad 26 \quad 31 \quad 40 \end{array}$$

$$\begin{array}{r} 7.4 \quad 7.6 \quad 12.6 \quad 13.6 \\ 40 \quad 30 \quad 21 \quad 8 \end{array} \quad 13.2 \quad \begin{array}{r} 13.6 \quad 13.0 \quad 12.2 \quad 12.2 \\ 12 \quad 14 \quad 30 \quad 40 \end{array}$$

Top S.E. Cor 3rd Stop. 4 P.M. C.S.T.

$$\begin{array}{r} 11 \quad 2.3 \quad 7.7 \quad 8.0 \quad 8.5 \\ 40 \quad 23 \quad 22 \quad 14 \quad 11 \end{array} \quad 8.3 \quad \begin{array}{r} 8.4 \quad 8.0 \quad 7.7 \quad 8.0 \\ 12 \quad 16 \quad 28 \quad 40 \end{array}$$

$$\begin{array}{r} 4.1 \quad 4.7 \quad 11.0 \quad 11.8 \\ 40 \quad 31 \quad 18 \quad 13 \end{array} \quad 11.6 \quad \begin{array}{r} 11.8 \quad 11.2 \quad 11.0 \quad 11.5 \\ 12 \quad 15 \quad 29 \quad 40 \end{array}$$

$$\begin{array}{r} 0.4 \quad 0.8 \quad 7.7 \quad 8.1 \quad 8.6 \\ 40 \quad 34 \quad 19 \quad 14 \quad 12 \end{array} \quad 8.2 \quad \begin{array}{r} 8.6 \quad 11.8 \quad 7.7 \quad 8.5 \quad 8.8 \\ 12 \quad 16 \quad 27 \quad 30 \quad 40 \end{array}$$

$$\begin{array}{r} 8.4 \quad 8.6 \quad 11.0 \quad 11.3 \quad 11.7 \\ 40 \quad 31 \quad 25 \quad 14 \quad 12 \end{array} \quad 11.4 \quad \begin{array}{r} 11.6 \quad 11.3 \quad 11.1 \quad 12.2 \quad 12.4 \\ 13 \quad 15 \quad 27 \quad 31 \quad 40 \end{array}$$

$$\begin{array}{r} 0.8 \quad 1.3 \quad 5.0 \quad 5.3 \quad 5.5 \\ 40 \quad 34 \quad 26 \quad 14 \quad 11 \end{array} \quad 5.1 \quad \begin{array}{r} 5.1 \quad 4.8 \quad 6.2 \quad 7.0 \\ 13 \quad 27 \quad 31 \quad 40 \end{array}$$

891.73 ✓

6

84.4

+15

83.7

~~5.58 886.15 886.12~~

+23

83.5

+35

83.2

+5843
B.M.

✗

8th St

5.58 886.15 886.12 ✓

82.7

Lt ~~4~~ RT

$\frac{2.2}{40}$ $\frac{2.6}{35}$ $\frac{7.1}{26}$ $\frac{7.3}{13}$ $\frac{7.8}{11}$ 7.3 $\frac{7.4}{13}$ $\frac{7.2}{15}$ $\frac{7.1}{26}$ $\frac{9.2}{34}$ $\frac{9.3}{40}$

$\frac{3.2}{40}$ $\frac{7.8}{30}$ $\frac{8.4}{12}$ 8.0 $\frac{8.0}{13}$ $\frac{7.7}{15}$ $\frac{7.8}{26}$ $\frac{9.7}{33}$ $\frac{9.7}{40}$

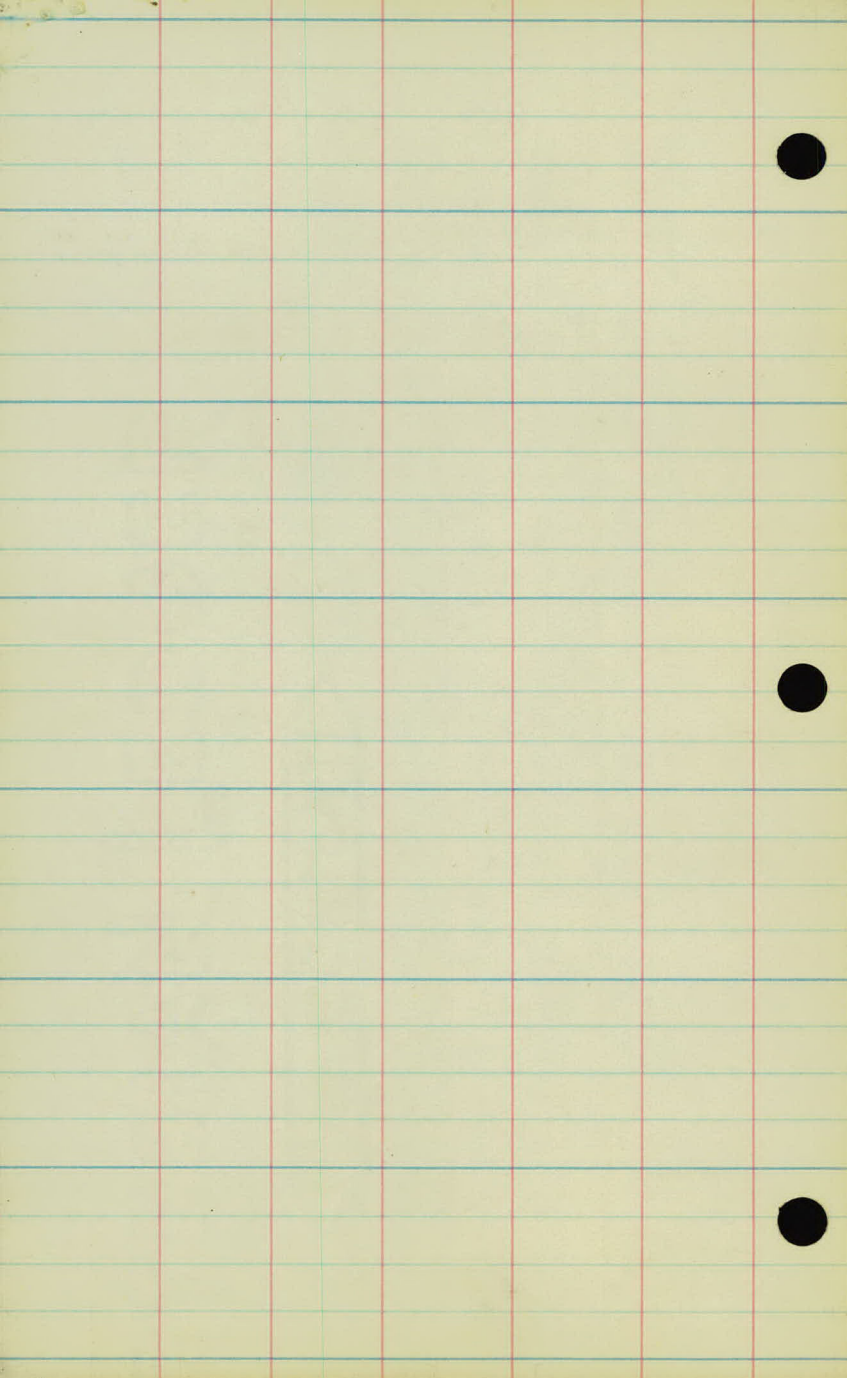
~~Spt in 24" Oct 30' Rt Sta. 5+52~~

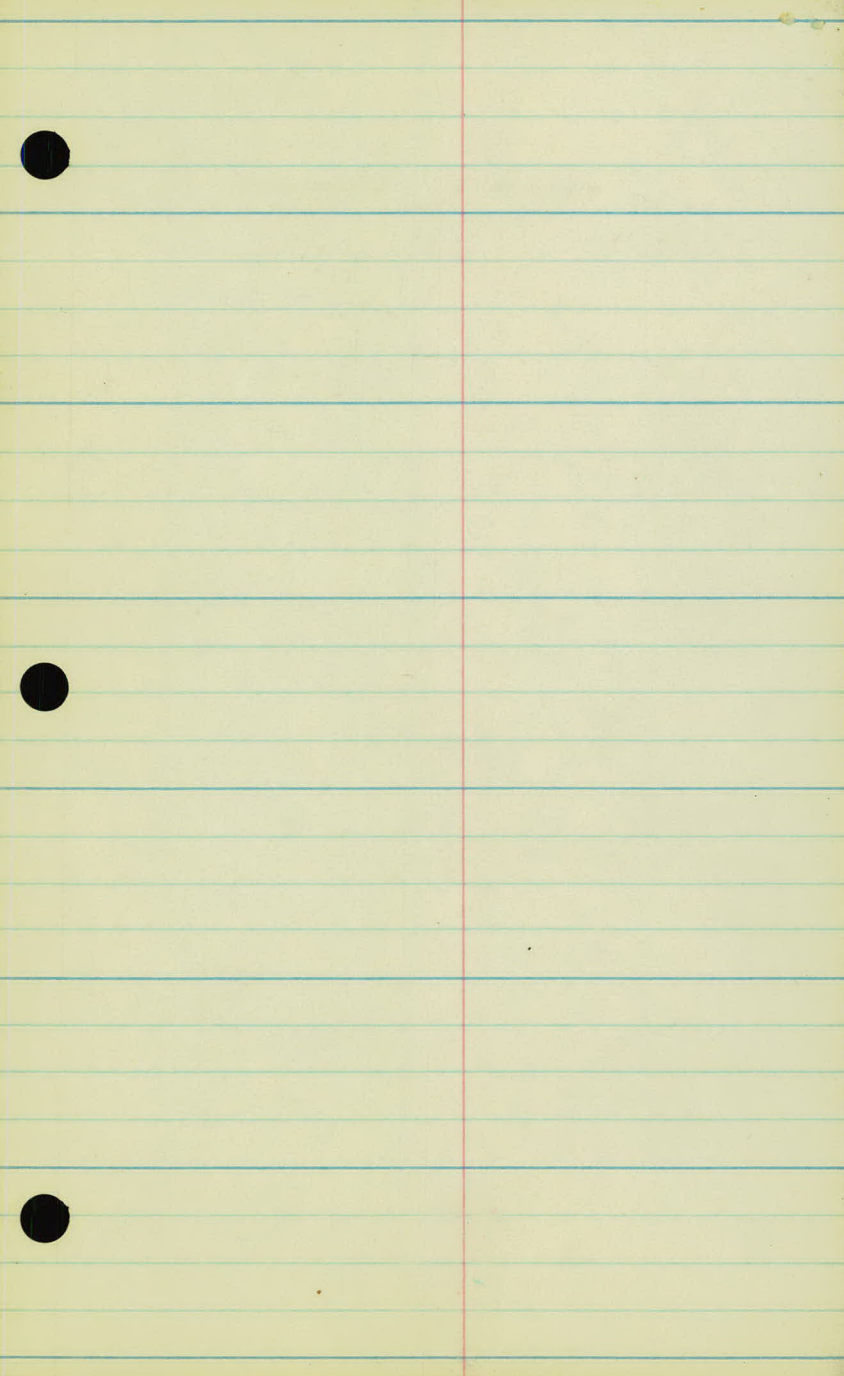
$\frac{7.8}{40}$ $\frac{8.6}{14}$ 8.2 $\frac{8.3}{13}$ $\frac{8.0}{17}$ $\frac{8.1}{27}$ $\frac{10.0}{33}$ $\frac{10.1}{40}$

$\frac{8.1}{40}$ $\frac{8.7}{22}$ 8.5 $\frac{8.4}{16}$ $\frac{9.1}{40}$

$\frac{8.2}{40}$ $\frac{8.7}{20}$ 9.0 $\frac{9.0}{20}$ $\frac{9.3}{40}$

Spt in 24" Oct 30' Rt 5+52





	+	H.I.	
B.M.	3.95	917.81	913.86

0+25	= Outside Edge S.W.	4.25	913.56
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+45		4.15	913.66
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+65		4.40	913.41
-----	--	------	--------

+85		4.70	913.11
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1+05		4.90	912.91
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+25		5.50	912.31
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+45		6.25	911.56
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+65		6.80	911.01
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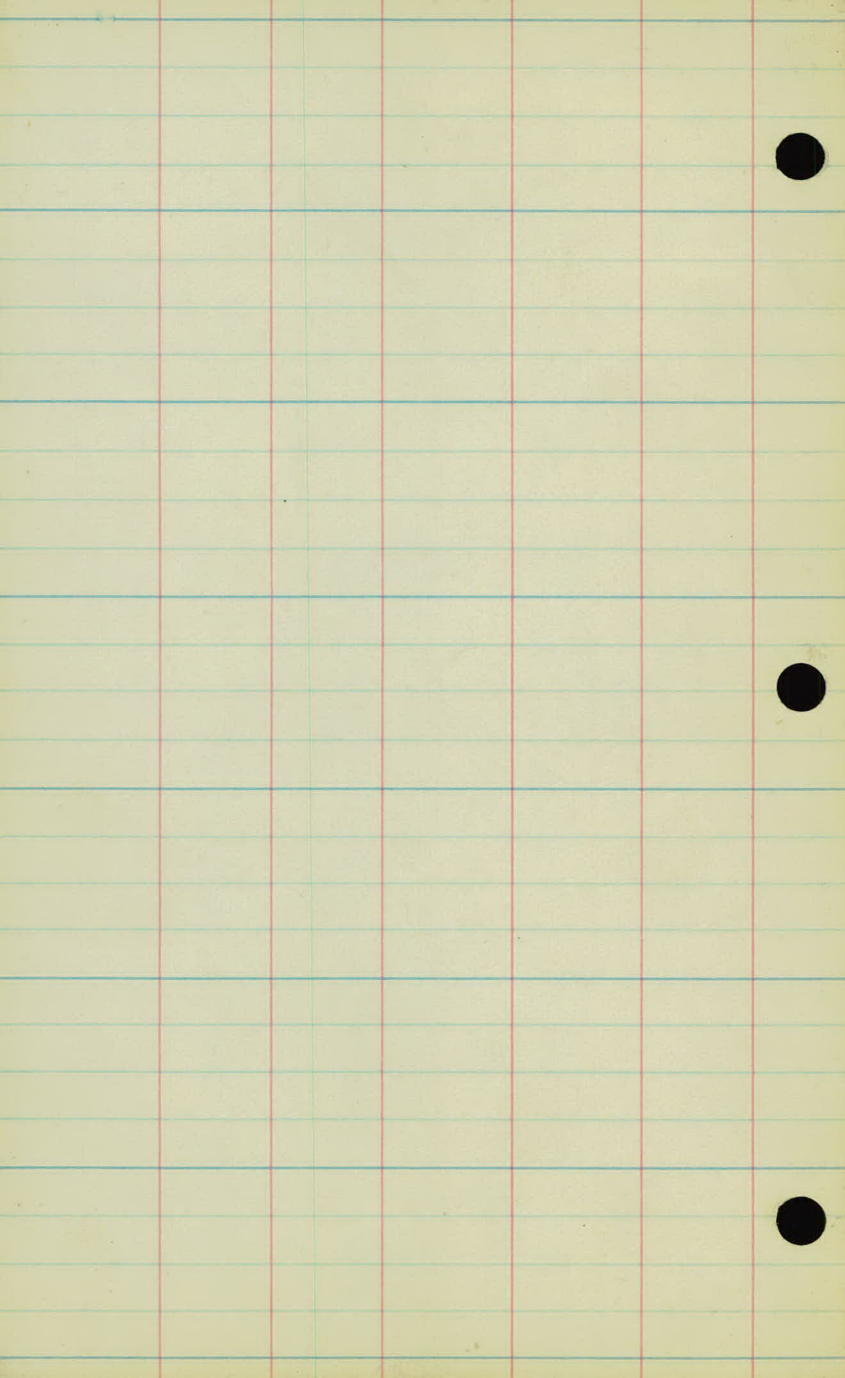
+89	End S.W.	8.05	909.76
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£ RIGHT.

Spd in T.P. S.W. cor. 4th Ave + 7th St.

Beginning S.W. — N.E. cor. 4th Ave 7th St.

N. End S.W.



Finals
34 N.B. 7

+51.7 £ 3rd Ave

6

5

4

+26.18 £ 4th Ave

3

2

1

0+00 £ 5th Ave

Str. 931.00
Rad. 186 00

+21.7

+21.75

+98

+78

+54

+34

+01

+79 - ~~9~~ ~~Rad.~~ + Return

+59

+43

+23

+49.2

+03.2

+80

+52

+28

23.6

7.7

7.7

24.2

7.7

7.7

33.0

7.7

14.6

7.6

15.9

7.7

7.8

73.5

16.0

15.6

122.7

7.9

7.7

123.7

16.9

7.0

120.7

128.5

127.8

122.0

14.8

7.7

7.8

4.0 X 1.5' Walk

8.0

8.2

8.2

8.0

7th St.

+01

+77

+49.2

+03.2

+75.1

+51.1

+28

+58.43 @ 8th St.

6

5

4

3

2

1

0+00 @ 7th St

Str. 1072.8
Rad 169.5

+30.43

23.3

22.9

401.6

422 Ave

Q

+30

+10

7.9

7.9

186.6

148.9

7.4

7.7

21.0

7.7

7.7

22.0

7.7

7.7

98.3

7.4

7.7

54.0

7.7

7.6

21.2

7.7

4.3

7.7

19.1

7.7

4.2

4.1

7.7

82.2

+81.25

+61.25

+48.2

+20.2

+98.3

+78.3

+19

+59

+05.2

+85.2

+64

+44

+25

+05

+23

+23

