

BK 10 Dr 13

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

PLAN

Survey

Seventh St (2nd to 1st)

Third St (8th St to Co Rd F)

From New Brighton Village

Road Acc't. No.

Date Filed 4/40

File

BK 10 Dr 13

Plan Survey

Rec'd
1/30/40
W.B.

SEVENTH ST.
(New Brighton)
from 2nd Ave.
to 1st Ave.

1/30/40/

Party
R.O.P.
A.M.
L.G.
C.F.

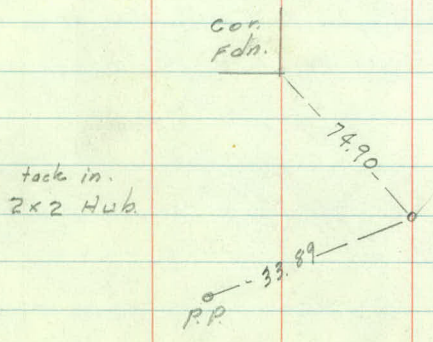
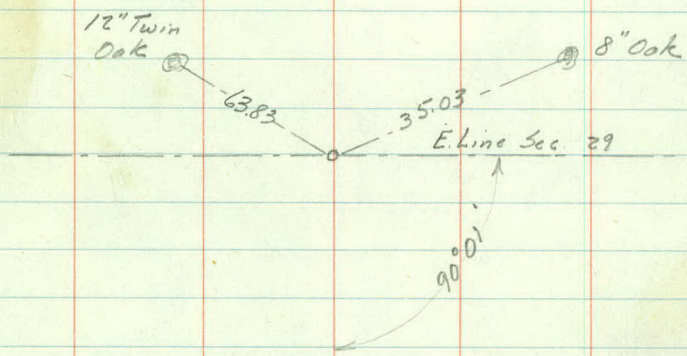
Completed
New W.B.

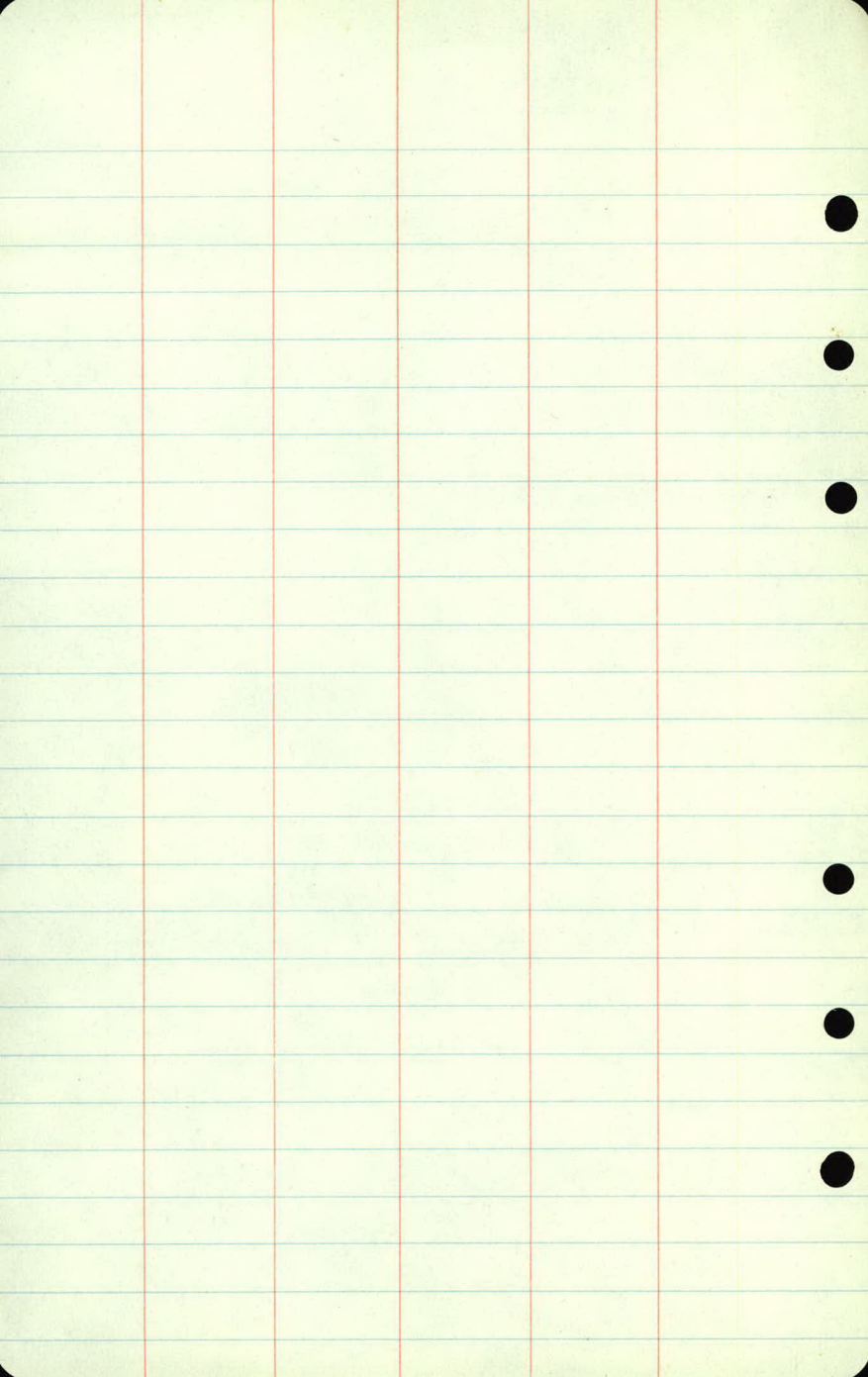
2/9/40

Sta.	Pt.	Angle	RT
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3 + 26.20	E First Ave.		
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0 + 00	E 2 nd Ave.		
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Topography

Seventh st.
from 2nd Ave
to 1st Ave.

4
+ 43 Tree Line Xs E

3
2
1
8'

+ 18-15" x 20" C.M.
+ 12 sh/dr xs E

12'

Scattered Oaks

Uncultivated

Cultivated

End Yard +55

+57 Lot Iron - 30'

+41 Cor. Gar - 46

+12 P.P. 26'

+66 Cor. Ho - 37

Yard





Cross Sections

7th St.

from 2nd Ave.

to 1st Ave

(New Brighton)

Sta.	t	π	-	Elev.
B.M.	4.65	921.13		916.48
T.P.	1.24	909.44	12.93	908.20
B.M.	6.39		6.39	903.05
0+00			7.0	02.4

+12			6.9	02.5
-----	--	--	-----	------

+18	Sec thru	12" C.M.	6.5	02.9
-----	----------	----------	-----	------

+33			5.6	03.8
-----	--	--	-----	------

+50			4.9	04.5
-----	--	--	-----	------

1			4.4	05.0
---	--	--	-----	------

T.P.	11.15	916.18	4.41	905.03
------	-------	--------	------	--------

+50			11.4	04.8
-----	--	--	------	------

+55			11.3	04.9
-----	--	--	------	------

2			11.1	05.1
---	--	--	------	------

+40			9.6	06.6
-----	--	--	-----	------

+43			3.8	12.4
-----	--	--	-----	------

T.P.	1.51	917.24	6.45	909.73	sta 2.
------	------	--------	------	--------	--------

Top Hyd. Cor 4th Ave & 7th St.

Spike P.P. N.W. Cor. 22^d Ave. and 7th St.

$\frac{10.1}{50}$ $\frac{7.6}{15}$ $\frac{4.6}{50}$
7.0

$\frac{10.5}{50}$ $\frac{6.1}{19}$ $\frac{4.6}{50}$
90.20 6.9

$\frac{11.1}{50}$ $\frac{9.5}{28}$ $\frac{8.3}{9}$ $\frac{8.24}{8}$ $\frac{6.7}{7}$ $\frac{6.0}{11}$ $\frac{7.29}{12}$ $\frac{7.3}{12}$ $\frac{7.1}{22}$ $\frac{5.7}{50}$
F.L. 90.15

$\frac{6.1}{50}$ $\frac{6.1}{31}$ $\frac{6.0}{15}$ $\frac{5.7}{8}$ $\frac{4.8}{17}$
5.6

$\frac{6.0}{50}$ $\frac{6.0}{30}$ $\frac{5.6}{12}$ $\frac{4.3}{18}$
4.9

$\frac{5.8}{50}$ $\frac{5.8}{38}$ $\frac{5.3}{13}$ $\frac{3.5}{12}$
4.4

$\frac{12.7}{50}$ $\frac{12.0}{19}$ $\frac{10.4}{9}$
11.4

$\frac{11.0}{50}$ $\frac{9.1}{30}$ $\frac{12.0}{29}$ $\frac{11.8}{17}$ $\frac{10.5}{9}$
11.3

$\frac{10.2}{50}$ $\frac{9.0}{39}$ $\frac{7.6}{25}$ $\frac{11.3}{19}$ $\frac{10.8}{8}$
11.1

$\frac{10.0}{50}$ $\frac{8.4}{35}$ $\frac{7.3}{23}$ $\frac{9.5}{18}$ $\frac{9.6}{10}$
9.6

$\frac{9.9}{50}$ $\frac{7.2}{24}$ $\frac{3.6}{16}$ $\frac{3.5}{34}$ $\frac{2.9}{50}$
3.8

Sta.	t	π	-	Elev.
		917.24		
0+33				(03.8)
+50				(04.5)
1-				(05.0)
+50				(04.8)
+55				(04.9)
2				(05.1)
+40				(06.6)
3			7.6	09.6
+26.20			8.8	08.4
+50	for Possible Turnaround		11.3	05.9
B.M.			14.22	903.02 (903.05)

(12.4)

$$\begin{array}{r} 6.1 \\ 21 \end{array} \quad \begin{array}{r} 2.1 \\ 50 \end{array}$$

(12.7)

$$\begin{array}{r} 3.6 \\ 21 \end{array} \quad \begin{array}{r} 1.4 \\ 50 \end{array}$$

(12.2)

$$\begin{array}{r} 2.6 \\ 21 \end{array} \quad \begin{array}{r} 1.2 \\ 35 \end{array} \quad \begin{array}{r} 0.0 \\ 50 \end{array}$$

(12.4)

$$\begin{array}{r} 2.3 \\ 21 \end{array} \quad \begin{array}{r} +0.3 \\ 50 \end{array}$$

(12.3)

$$\begin{array}{r} 2.3 \\ 21 \end{array} \quad \begin{array}{r} +0.3 \\ 50 \end{array}$$

(12.1)

$$\begin{array}{r} 3.4 \\ 17 \end{array} \quad \begin{array}{r} 1.7 \\ 50 \end{array}$$

(10.6)

$$\begin{array}{r} 4.7 \\ 14 \end{array} \quad \begin{array}{r} 4.1 \\ 39 \end{array} \quad \begin{array}{r} 3.6 \\ 50 \end{array}$$

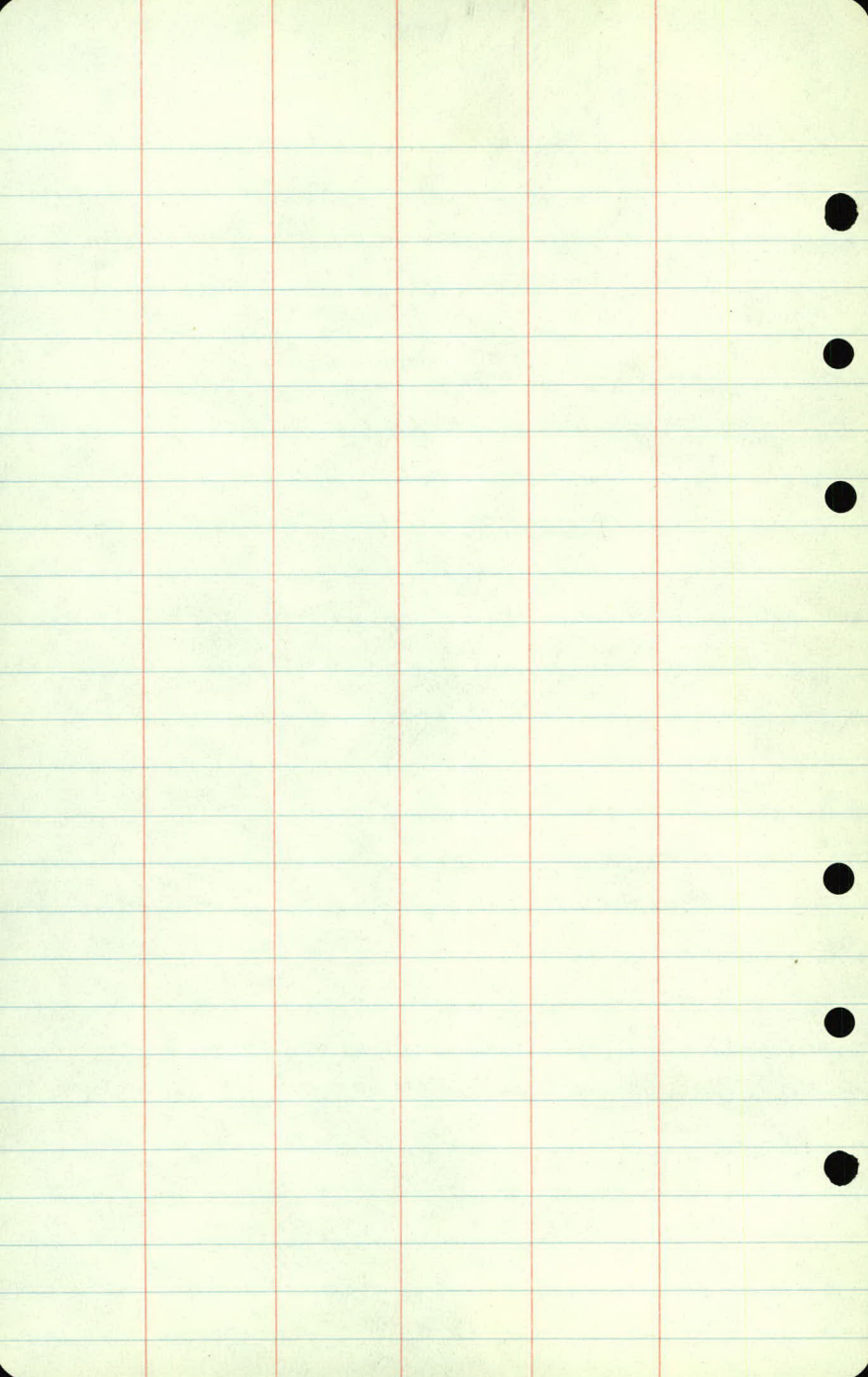
$$\begin{array}{r} 13.0 \\ 100 \end{array} \quad \begin{array}{r} 11.3 \\ 50 \end{array} \quad \begin{array}{r} 11.2 \\ 42 \end{array} \quad \begin{array}{r} 9.8 \\ 23 \end{array} \quad \begin{array}{r} 7.8 \\ 7 \end{array} \quad 7.6$$

$$\begin{array}{r} 7.4 \\ 31 \end{array} \quad \begin{array}{r} 7.1 \\ 50 \end{array}$$

$$\begin{array}{r} 13.0 \\ 100 \end{array} \quad \begin{array}{r} 11.4 \\ 50 \end{array} \quad \begin{array}{r} 10.0 \\ 20 \end{array} \quad 8.8 \quad \begin{array}{r} 8.1 \\ 28 \end{array} \quad \begin{array}{r} 7.6 \\ 50 \end{array} \quad \begin{array}{r} 6.4 \\ 100 \end{array}$$

$$\begin{array}{r} 10.8 \\ 100 \end{array} \quad \begin{array}{r} 10.6 \\ 82 \end{array} \quad \begin{array}{r} 11.1 \\ 61 \end{array} \quad \begin{array}{r} 11.4 \\ 50 \end{array} \quad \begin{array}{r} 11.6 \\ 12 \end{array} \quad 11.3 \quad \begin{array}{r} 11.0 \\ 23 \end{array} \quad \begin{array}{r} 11.4 \\ 50 \end{array} \quad \begin{array}{r} 10.6 \\ 100 \end{array}$$

Spike P.P. N.W. Cor 7th St. & 2nd Ave.



Plan Survey

THIRD AVE.

New Brighton

from 8th St.

to Co. Rd. "F"

Rec'd 1/30/40 - W.B.
complete 2/12/40 H.W.B.

8+00

4 Co. Rd. "F"

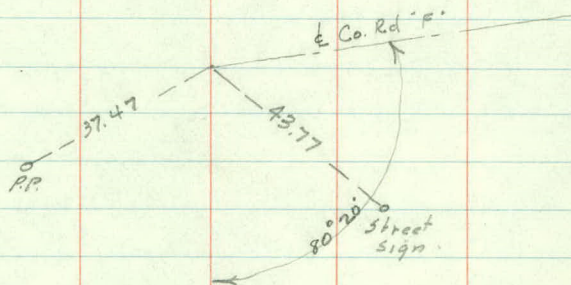
6+17.80 P.O.T.

0+00

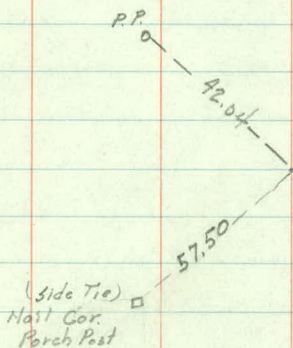
P.O.T.

4 8th St.

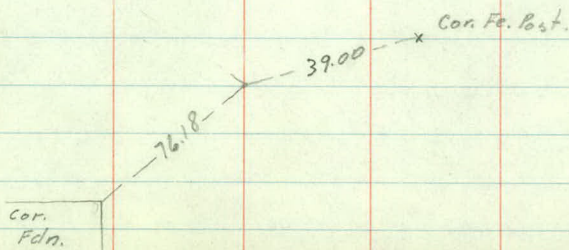
Spike

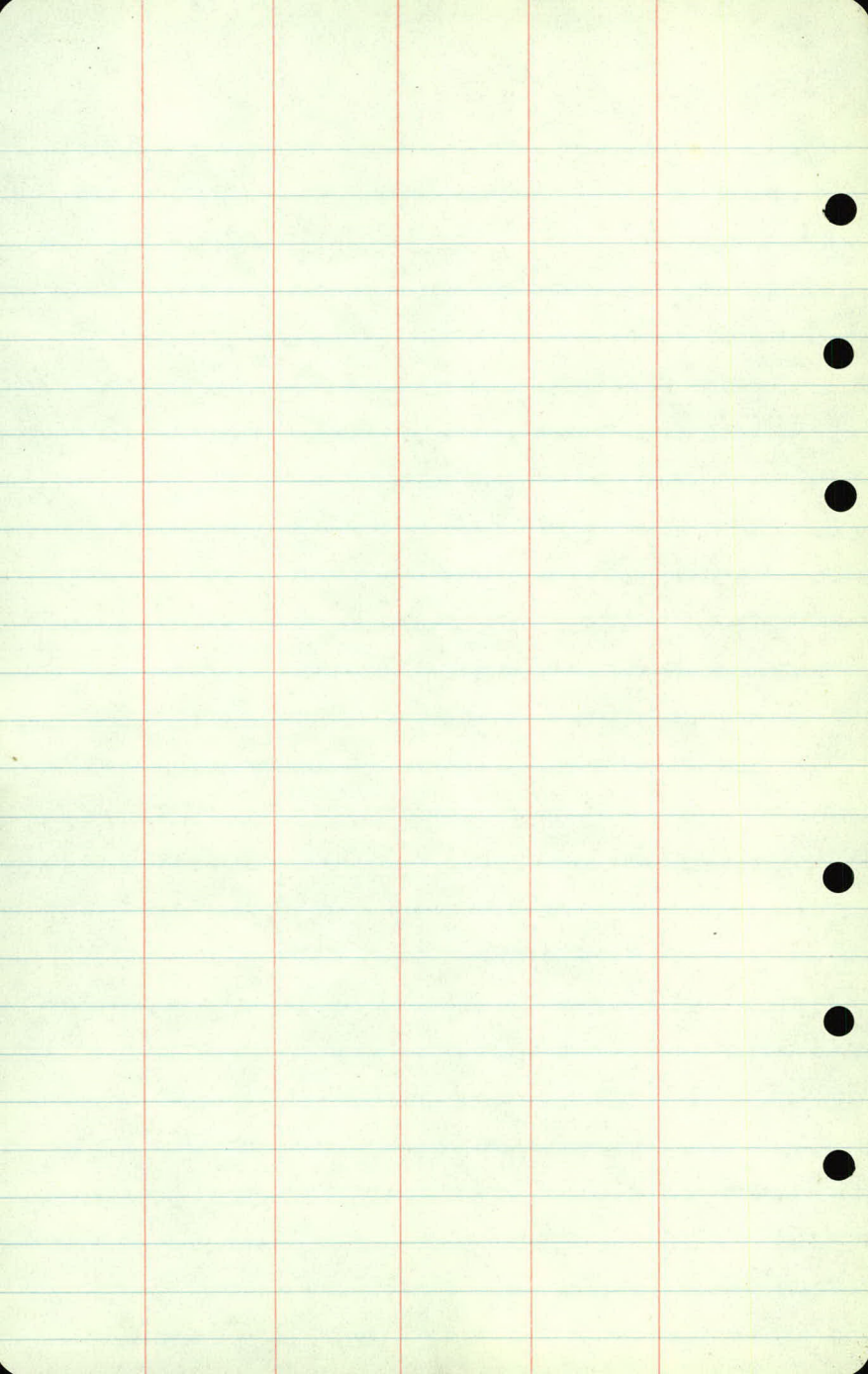


Spike



Spike





Topography

New Brighton

3rd Ave

6 10

10

+90 Enk

+83 6" E/m 31

+68 14" B. E. 30

5 //

//

+87 6" R.E. 30'
+71 20" Stump 28'
+71 End Fe- 25'
+64 20" Stump 27'
+67 1" Tree 28'
+58 1" Tree 28'

4 //

//

3 //

//

2 19 +04- 24" x 36" Cem. Pipe

12

//

17

1 12

10

0 +14 shldr. x 5 f

185 shldr vs 4

Co. Rd. "F"

+71 P.P. 28
+65 4" Elm 33

-0-

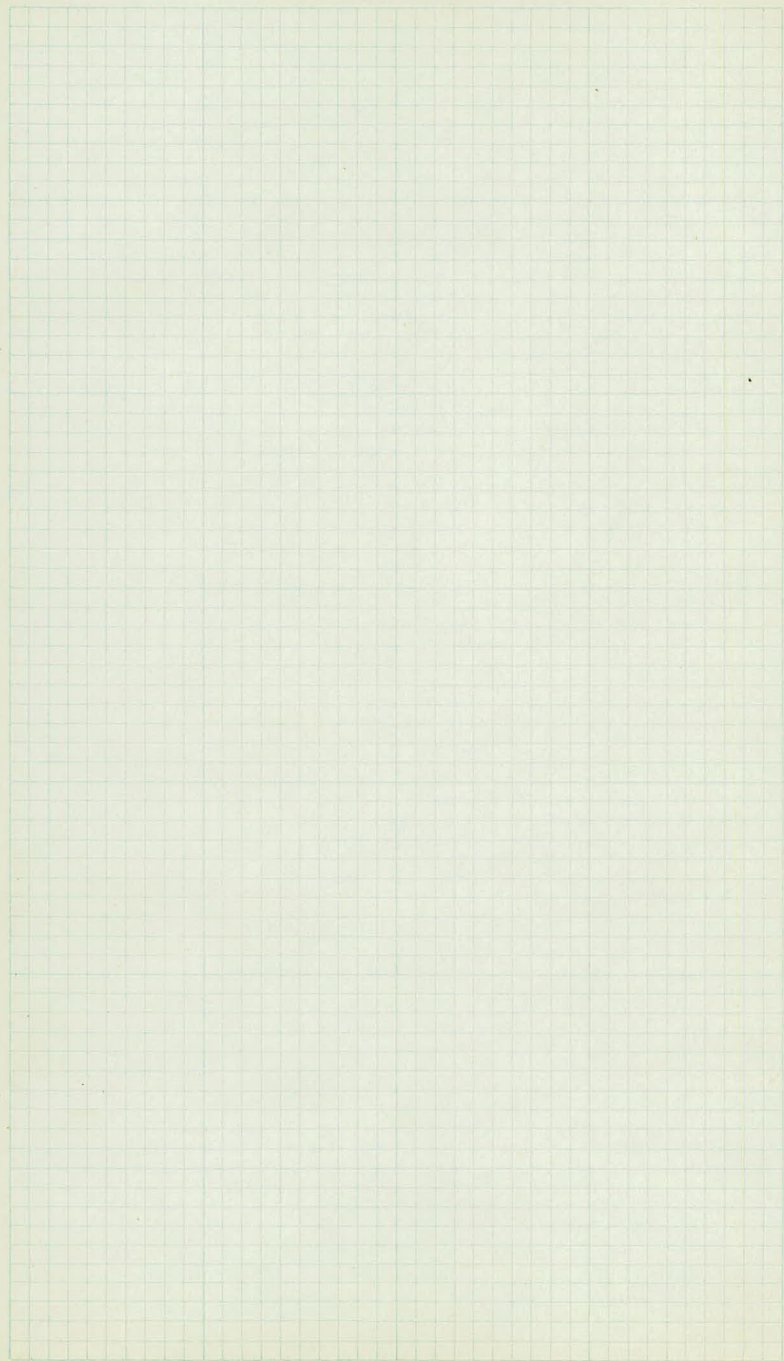
161. 1" Tree 31

+35 2" Elm 33

0

0

+27 - 1" Tree 31



Cross Sections

3rd Ave.

(New Brighton)

Sta	+	π	-	Elev.
B.M.	0.37	916.85		916.48
T.P.	0.86	904.61	13.10	903.75
T.P.	0.49	892.07	13.03	891.58
T.P.	2.47	883.49	11.05	881.02
B.M.	1.49	883.49	1.49	882.00
0+00			2.6	80.9
+14			2.7	80.8
+20			2.8	80.7
B.M.	1.40	883.40	1.49	882.00
+29			2.9	80.5
+34			2.9	80.5
1			4.0	79.4
150			4.9	78.5
2+04	Sec thru	24" Conc.	5.7	77.7
150			5.3	78.1
3			3.9	79.5

Top Hyd. - Cor. 4th Ave. & 7th St.

Spike in Arc Light Pole S.W. Cor 3rd Ave. 8th St.

2.4 2.7
50 50

2.8 3.0 3.1 3.0
50 27 19 50

2.8 2.9 3.0 3.1 6.3 (7.00) 4.5 4.7
50 34 15 28 12 19 FL 23 50

4.0 3.9 3.7 3.0 5.9 5.9 4.4 4.8
50 30 14 2.9 12 18 23 24 50

55 5.9 6.1 6.0 6.2
100 75 50 31 20

4.4 3.7 4.1 6.3 3.2 3.0 5.9 5.9 4.4 4.8
50 33 21 17 14 2.9 12 18 23 24 50

Profile ditch L.H.O. 132

4.9 4.9 4.7 7.4 4.3 4.3 6.0 7.0 5.5 5.5
50 33 22 20 12 4.0 10 18 22 24 50

5.8 5.4 6.4 8.0 5.9 5.4 7.4 7.7 6.5 6.6
50 28 21 19 14 4.9 12 17 22 24 50

FL. 13.93 FL. 14.25

6.4 6.9 7.5 8.8 9.47 6.2 5.7 (9.15) 8.4 7.7 7.0
50 34 30 20 19 15 5.7 12 17 18 23 50

7.0 7.7 9.0 7.7 8.1 5.7 6.0 7.6 7.9 6.7
50 40 36 30 17 12 5.3 14 17 20 50

6.4 7.3 9.0 8.4 6.6 5.9 4.5 4.2 6.6 6.6 6.2
50 43 40 33 30 20 11 3.9 12 17 31 50

Sta.	+	π	-	Elev
3		883.40		
+50			2.1	81.3
			1.1	
+92			1.1	82.3
4			0.9	82.5
T.P.	7.75	890.26	0.89	882.51
+28			7.2	83.1
+33			7.2	83.1
+71			6.5	83.8
5			5.7	84.6
+50			5.1	85.2
6			4.8	85.5
+28			4.8	85.5
+33			4.8	85.5
+70			6.0	84.3

(8)

$\frac{56}{50} \quad \frac{86}{42} \quad \frac{95}{38} \quad \frac{53}{30} \quad \frac{50}{18} \quad \frac{27}{11} \quad 2.1 \quad \frac{2.7}{13} \quad \frac{5.2}{18} \quad \frac{5.4}{21} \quad \frac{5.5}{50}$

$\begin{array}{r} 9.1 \\ 50 \end{array}$
 $\begin{array}{r} 9.1 \\ 47 \end{array}$
 $\begin{array}{r} 6.1 \\ 44 \end{array}$
 $\begin{array}{r} 3.2 \\ 35 \end{array}$
 $\begin{array}{r} 2.8 \\ 15 \end{array}$
 $\begin{array}{r} 1.7 \\ 12 \end{array}$
 $\begin{array}{r} 1.4 \\ 12 \end{array}$
 $\begin{array}{r} 3.4 \\ 19 \end{array}$
 $\begin{array}{r} 2.9 \\ 35 \end{array}$
 $\begin{array}{r} 2.8 \\ 50 \end{array}$

<u>2.8</u>	<u>2.2</u>	<u>1.8</u>	<u>2.3</u>	<u>1.5</u>		<u>1.1</u>	<u>2.9</u>	<u>2.3</u>	<u>2.3</u>
50	35	24	16	12	0.9	12	18	36	50

5.8	5.7	7.1	8.1	7.3	7.3	8.9	6.8	6.5
50	36	21	18	12	7.2	12	1720	25 50

<u>2.2</u>	<u>2.9</u>	<u>7.7</u>	<u>8.1</u>	<u>7.3</u>	<u>7.3</u>	<u>8.8</u>	<u>6.7</u>	<u>6.5</u>
50	33	20	18	12	7.2 12	17.20	25	50

<u>2.3</u>	<u>3.1</u>	<u>7.1</u>	<u>6.7</u>	<u>6.2</u>	<u>7.3</u>	<u>7.3</u>	<u>4.5</u>	<u>3.0</u>
50	27	17-15	12	6.5	$\frac{12}{17}$	17	20	24
								50

$\frac{1.6}{56}$	$\frac{2.7}{25}$	$\frac{6.1}{20}$	$\frac{6.2}{16}$	$\frac{5.9}{12}$	$\frac{6.2}{17.21}$	$\frac{3.0}{26}$	$\frac{1.7}{38}$	$\frac{1.5}{50}$
------------------	------------------	------------------	------------------	------------------	---------------------	------------------	------------------	------------------

<u>20</u>	<u>24</u>	<u>54</u>	<u>55</u>	<u>54</u>	<u>53</u>	<u>40</u>	<u>04</u>	<u>05</u>
50	25	19	16	12	51	12	22	30
								50

3.9	3.3	4.6	4.7	4.8	4.3	3.8	0.9	0.0
50	24	18	12	48	12	16	22	30
								50

$\frac{47}{50}$ $\frac{32}{25}$ $\frac{58}{20}$ $\frac{54}{17}$ $\frac{12}{12}$ $\frac{48}{12}$ $\frac{40}{21}$ $\frac{11}{30}$ $\frac{0.5}{50}$ 1.

$$\begin{array}{r} \frac{5.8}{50} \quad \frac{5.1}{25} \quad \frac{5.8}{20-17} \quad \frac{5.6}{12} \quad 4.8 \quad \frac{4.7}{12} \quad \frac{4.1}{16} \quad \frac{3.0}{27} \quad \frac{1.3}{50} \end{array}$$

<u>6.0</u>	<u>6.1</u>	<u>6.9</u>	<u>6.9</u>	<u>6.3</u>		6.0	5.5	<u>4.5</u>	<u>4.2</u>
50	24	20	18	12	6	12	22	28	50

Sta.	+	π	-	Elev.
------	---	-------	---	-------

890.26

1			7.0	83.3
---	--	--	-----	------

+ 69			10.1	80.2
------	--	--	------	------

+ 76			10.6	79.7
------	--	--	------	------

+ 86			11.2	79.1
------	--	--	------	------

8	$\frac{1}{2}$ Co Rd F.		11.4	78.9
---	------------------------	--	------	------

B. M.			9.04	881.22
-------	--	--	------	--------

$\frac{6.6}{50}$ $\frac{6.9}{23}$ $\frac{7.5}{20}$ $\frac{7.9}{17}$ $\frac{7.3}{14}$ $\frac{6.9}{16}$ $\frac{7.2}{17.21}$ $\frac{6.5}{25}$ $\frac{6.2}{41}$ $\frac{7.0}{50}$

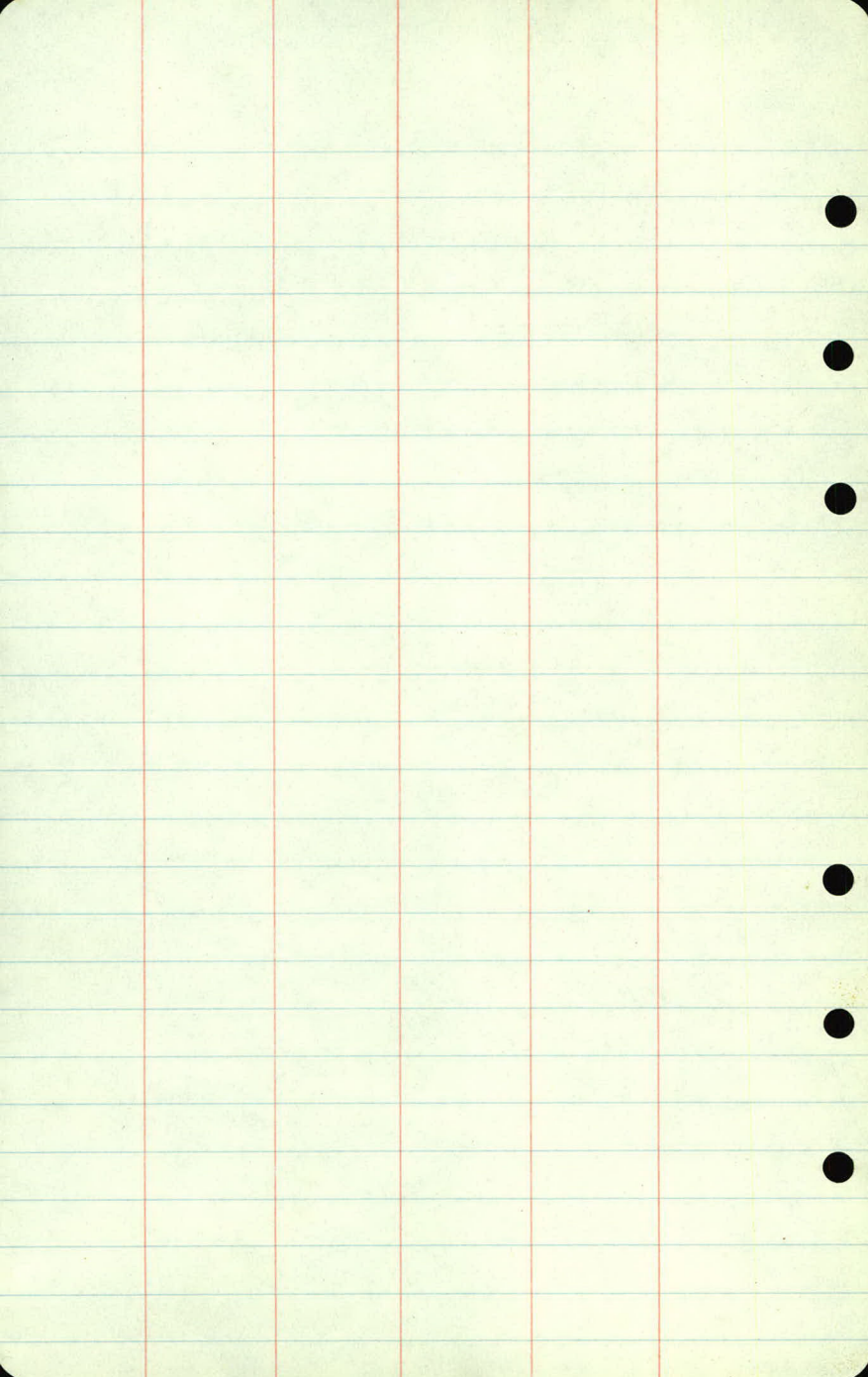
$\frac{8.0}{50}$ $\frac{8.0}{35}$ $\frac{10.1}{26}$ $\frac{11.0}{19}$ $\frac{10.6}{13}$ 10.1 $\frac{10.2}{12}$ $\frac{10.7}{17.20}$ $\frac{10.7}{26}$ $\frac{9.4}{33}$ $\frac{9.2}{50}$

$\frac{11.3}{50}$ $\frac{11.2}{32}$ $\frac{11.1}{21}$ 10.6 $\frac{10.8}{17}$ $\frac{11.0}{23}$ $\frac{10.9}{31}$ $\frac{11.3}{50}$

$\frac{11.2}{50}$ $\frac{11.1}{19}$ 11.2 $\frac{11.3}{27}$ $\frac{11.8}{50}$

$\frac{11.0}{50}$ 11.4 $\frac{11.7}{50}$

RR. Spike P.P. S.W. Cor. Co. Rd "F" and 3rd Ave.



Additional

Sections at 3rd Ave & Bth St.

0.00 = ϵ intersections

Sta.	+ -	π -	Elev.
B.M.	3.68	885.68	882.00
0+21	N. side	8th St.	880.7
0-22	S. side	8th St.	81.1
0-50			81.2
0-100			81.6
0-150			81.7
0-200			82.1
0-250			83.1
0-300			84.6

Spike P.P. S.W. Cor. 3rd Ave.

78.7

76.56

8th St.

79.1

78.6

78.4

78.4

78.9

5.2 7.0 (9.12) 6.6 7.1 7.3 7.3 6.8
50.12 19 (21) 23 50 100 150 200

No Ditch

78.72

79.4

80.3

80.9

FL. 77.17

77.4

77.9

77.8

77.9

45 4.7

69.6 6.3 4.4

4.8

(8.5) 8.3 8.0

7.8

7.9

7.8

50 23

FL 19 12 46

12

(21) 23 50

100

150

200

81.2

81.0

20

12

21

100

150

200

6.5 4.6
18 13 45

4.7 6.8
12 18

79.6

78.7

6.1

4.3

4.7

7.0

19

13

41

12

20

80.2

79.2

5.5

4.3

4.5

6.5

19

13

40

12

20

80.3

79.1

5.4

4.0

4.1

6.6

22

13

36

12

19

81.8

80.3

3.9

2.8

2.9

5.4

20

13

2.6

12

20

82.9

82.3

2.8

1.4

1.1

3.4

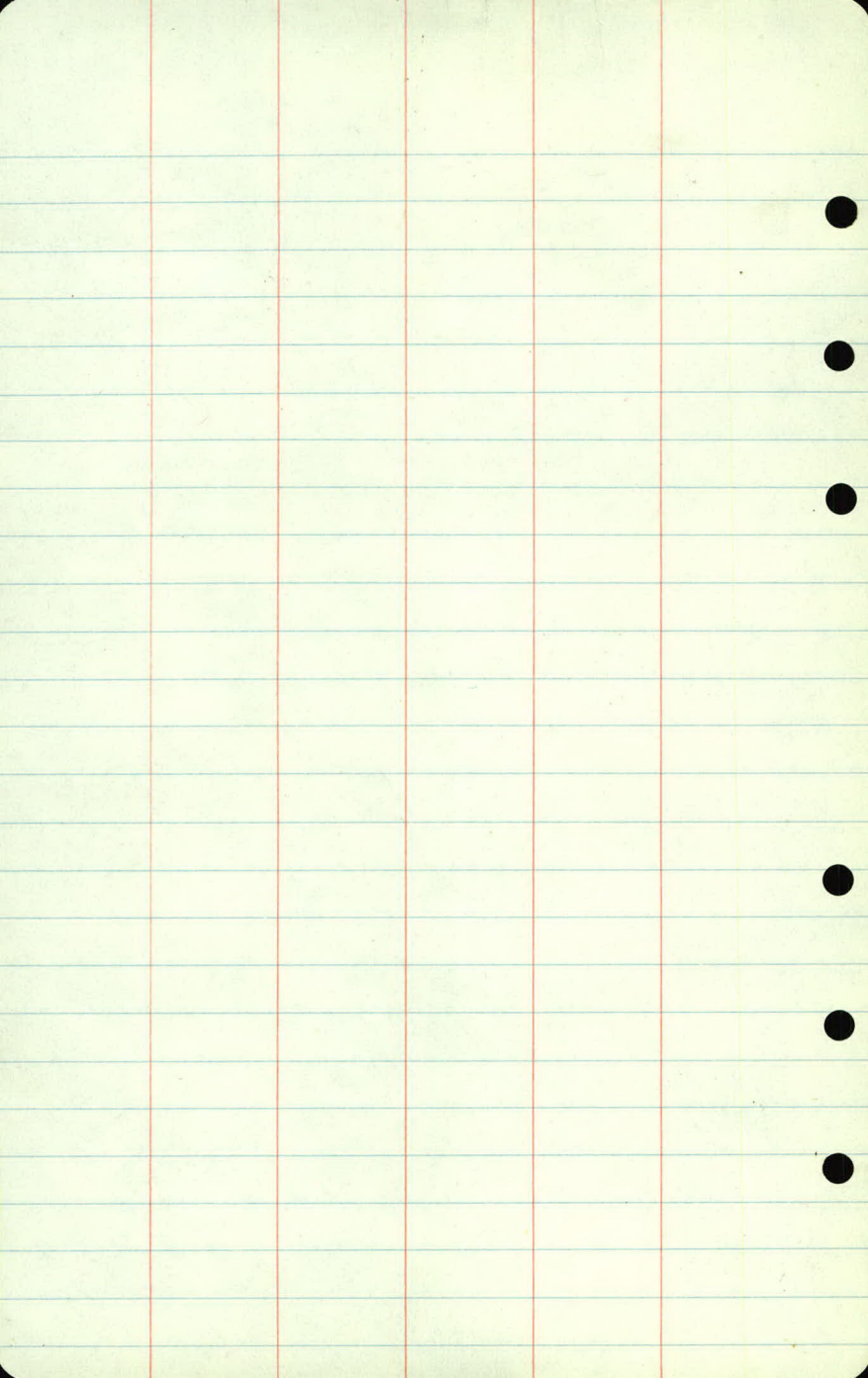
17

13

1.1

12

17



①
Slope Stokes

7th St.

New Brighton

Staked 9-27-39 - 2 Pages

Party

ROP

AM

LG

CE

Shldr. Left 10.5 above $\pm$
 Rt 0.5 below $\pm$

Sta.	+	π	-	Elev
B.M.	5.03	921.51		916.48
0+24				12.9
+50				11.6
T.P.	5.05	916.22	10.34	911.17
+88				09.3
1				08.5
+50				04.9
2				02.9
T.P.	8.42	910.86	13.78	902.44
+27				02.6
+32				02.6
+50				02.5
+95				02.4
3 + 07				02.4

DC 0.0 = 19
 Sh. d. = 13'
 C 0.0 2/
 Ditch 1.0

(2)

Top Hyd. 3 E. Cor. Seventh St & 4th Ave.

8.1	8.1	8.8	9.2
8.6	<u>8.5</u>	FO.2	<u>20.9</u>
9.1	13.0		20.8

9.4	9.4	10.1	10.7
9.9	<u>8.7</u>	FO.2	<u>20.7</u>
10.4	13.0		20.4

6.4	6.4	7.0	3.7
6.9	<u>8.1</u>	FO.1	<u>63.7</u>
7.4	13.0		28.4

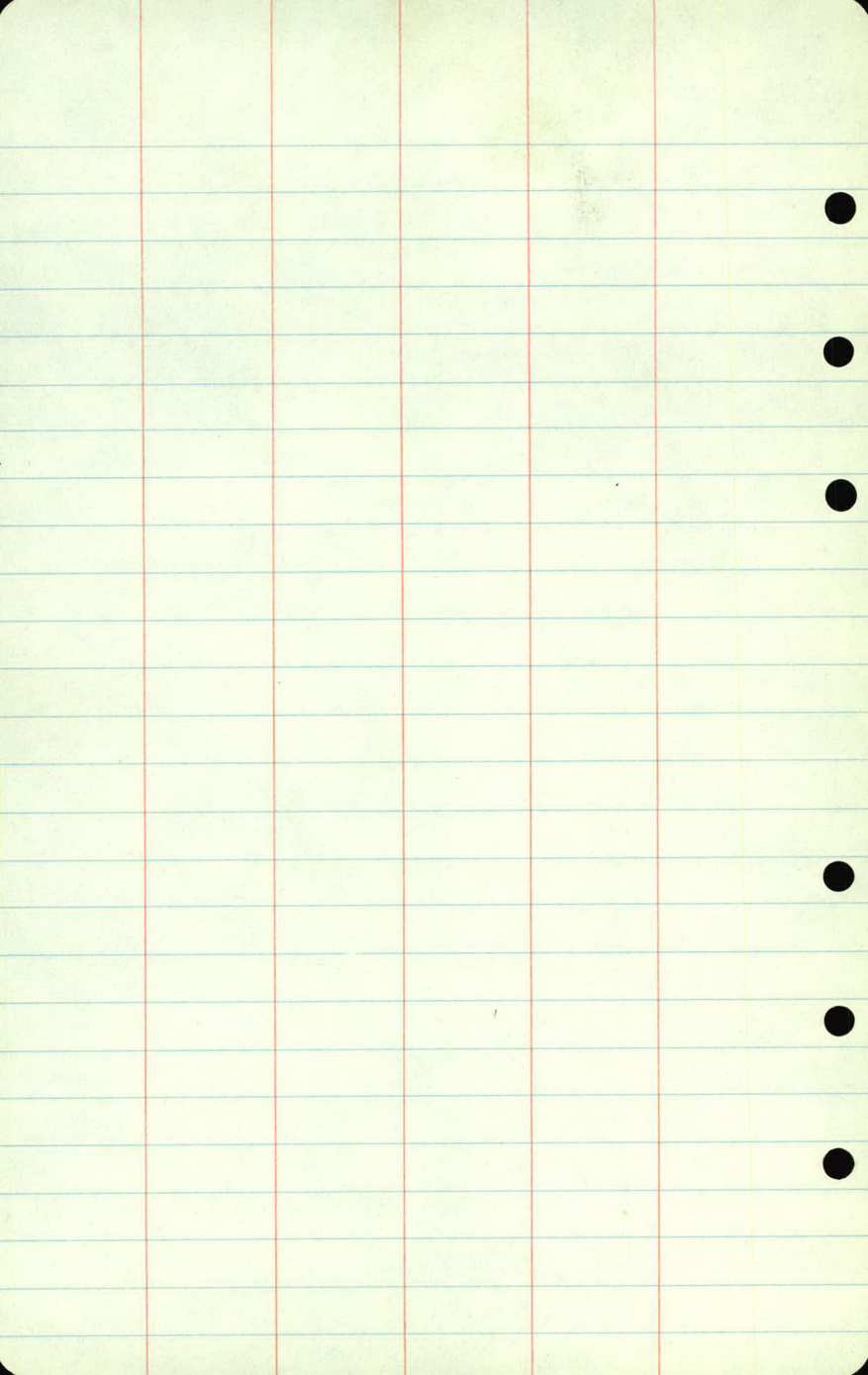
7.2	7.2	7.9	4.6
7.7	<u>8.5</u>	FO.2	<u>63.6</u>
10.8	13.0		29.2
11.3	<u>10.8</u>	11.3	8.8
11.8	<u>8.5</u>	FO.0	<u>63.8</u>
	13.0		27.0

12.8	12.8	13.5	12.6
13.3	<u>13.5</u>	FO.2	<u>61.2</u>
13.8	13.0		23.4

7.8	7.8	8.8	8.3
8.3	<u>8.5</u>	FO.5	<u>60.5</u>
8.8	13.0		22.0

7.9	9.3	9.0	6.3
8.4	<u>8.4</u>	FO.6	<u>62.6</u>
8.9	17.2		26.2

8.0	8.8	8.6	4.0
8.5	<u>8.8</u>	FO.1	<u>65.0</u>
7.0	15.4		30.0

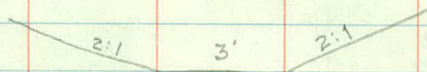


Ditch Grades

N. E. Cor. Co. Rd B & Cleveland.

Staked - 10-6-39

Party
R. O. P.
A. M.
L. G.
C. F.



Sta.	+	π	-	Elev.
B.M.	1.27	974.56		973.29
0+70				61.09

1				61.05
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+50				60.99
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2				60.92
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+50				60.86
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3				60.79
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+50				60.73
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+68				60.71
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- 0.13 %

Top Men Cleveland & "B"

13.47

$$\begin{array}{r} 10.7 \\ C 2.8 \\ \hline 7.1 \end{array}$$

$$\begin{array}{r} 11.0 \\ C 2.5 \\ \hline 6.5 \end{array}$$

13.51

$$\begin{array}{r} 11.1 \\ C 2.4 \\ \hline 6.3 \end{array}$$

$$\begin{array}{r} 10.9 \\ C 2.6 \\ \hline \end{array}$$

$$\begin{array}{r} 11.0 \\ C 2.5 \\ \hline 6.5 \end{array}$$

13.57

$$\begin{array}{r} 12.3 \\ C 1.3 \\ \hline 4.1 \end{array}$$

$$\begin{array}{r} 12.1 \\ C 1.5 \\ \hline \end{array}$$

$$\begin{array}{r} 12.5 \\ C 1.1 \\ \hline 3.7 \end{array}$$

13.64

$$\begin{array}{r} 12.0 \\ C 1.6 \\ \hline 4.7 \end{array}$$

$$\begin{array}{r} 13.0 \\ C 0.6 \\ \hline \end{array}$$

$$\begin{array}{r} 12.3 \\ C 1.3 \\ \hline 4.1 \end{array}$$

13.70

$$\begin{array}{r} 11.8 \\ C 1.8 \\ \hline 5.1 \end{array}$$

$$\begin{array}{r} 13.3 \\ C 0.4 \\ \hline \end{array}$$

$$\begin{array}{r} 12.0 \\ C 1.7 \\ \hline 4.9 \end{array}$$

13.77

$$\begin{array}{r} 9.9 \\ C 3.2 \\ \hline 9.3 \end{array}$$

$$\begin{array}{r} 13.2 \\ C 0.6 \\ \hline \end{array}$$

$$\begin{array}{r} 10.0 \\ C 3.8 \\ \hline 9.1 \end{array}$$

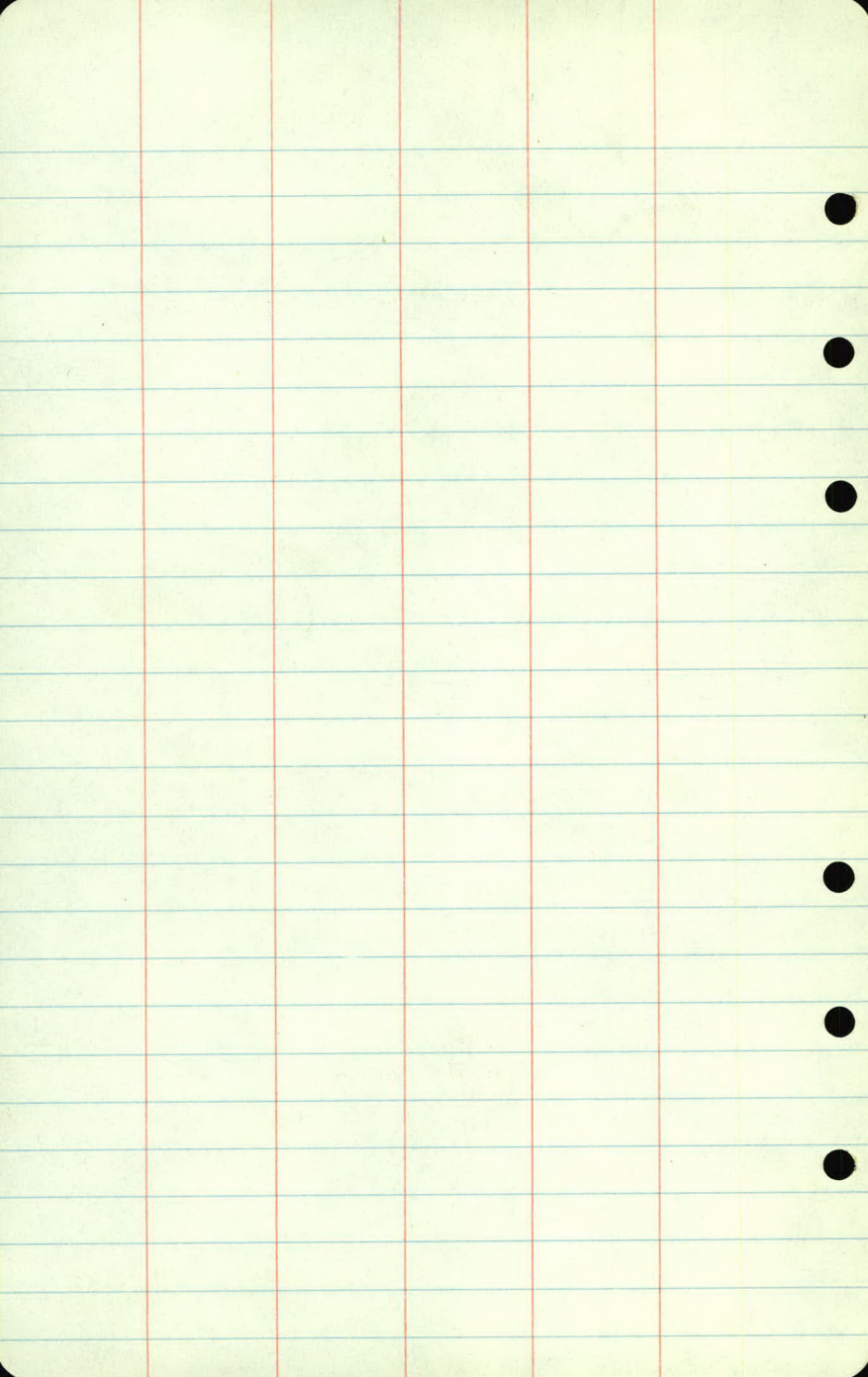
13.83

$$\begin{array}{r} 10.6 \\ C 3.2 \\ \hline 7.9 \end{array}$$

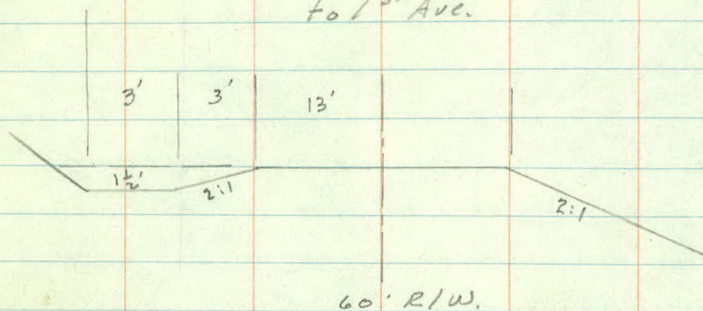
$$\begin{array}{r} 13.3 \\ C 0.5 \\ \hline \end{array}$$

$$\begin{array}{r} 9.0 \\ C 4.8 \\ \hline 11.1 \end{array}$$

13.85



Slope stakes
 7th St. from
 2nd Ave
 to 1st Ave.



2/7/40

R.O.P.
 A.M.
 C.G.
 C.F.

2 sheets

Sta.	+	π	-	Elev.
B.M.	11.81	914.86		903.05

0+12				02.5
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+18				02.6
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+33				02.7
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+50				02.9
-----	--	--	--	------

1				03.4
				02

+50				04.0
-----	--	--	--	------

+55				04.1
-----	--	--	--	------

2				04.9
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+40				05.8
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3				07.4
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+26				08.2
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11.81

Spike P.P. N.W. Cor. 7th St & 2nd Ave.

12.4

12.3

12.2
11

$$\begin{array}{r} 11.4 \\ C 0.6 \\ \hline 23.2 \end{array}$$

$$\begin{array}{r} 10.9 \\ C 1.3 \\ \hline \end{array}$$

$$\begin{array}{r} 1.9 \\ C 10.3 \\ \hline 30 \end{array}$$

12.0

$$\begin{array}{r} 11.5 \\ C 0.5 \\ \hline 23.0 \end{array}$$

$$\begin{array}{r} 10.3 \\ C 1.7 \\ \hline \end{array}$$

$$\begin{array}{r} 1.1 \\ C 10.9 \\ \hline 30 \end{array}$$

11.5

$$\begin{array}{r} 11.1 \\ C 0.4 \\ \hline 22.8 \end{array}$$

$$\begin{array}{r} 9.9 \\ C 1.6 \\ \hline \end{array}$$

$$\begin{array}{r} 10.5 \\ C 12.0 \\ \hline 30 \end{array}$$

10.9

Drive

$$\begin{array}{r} 10.9 \\ C 0.2 \\ \hline 23.4 \end{array}$$

$$\begin{array}{r} 10.0 \\ C 0.9 \\ \hline \end{array}$$

$$\begin{array}{r} 10.7 \\ C 11.6 \\ \hline 30 \end{array}$$

10.8

$$\begin{array}{r} 10.6 \\ C 0.2 \\ \hline 22.4 \end{array}$$

$$\begin{array}{r} 10.0 \\ C 0.8 \\ \hline \end{array}$$

$$\begin{array}{r} 10.7 \\ C 11.5 \\ \hline 30 \end{array}$$

10.0

$$\begin{array}{r} 6.6 \\ C 3.4 \\ \hline 28.8 \end{array}$$

$$\begin{array}{r} 7.6 \\ C 0.4 \\ \hline \end{array}$$

$$\begin{array}{r} 0.5 \\ C 9.5 \\ \hline 30 \end{array}$$

9.1

$$\begin{array}{r} 6.5 \\ C 2.6 \\ \hline 27.2 \end{array}$$

$$\begin{array}{r} 6.8 \\ C 2.3 \\ \hline \end{array}$$

$$\begin{array}{r} 2.2 \\ C 6.9 \\ \hline 30 \end{array}$$

7.5

$$\begin{array}{r} 7.4 \\ C 0.1 \\ \hline 22.2 \end{array}$$

$$\begin{array}{r} 5.1 \\ C 2.4 \\ \hline \end{array}$$

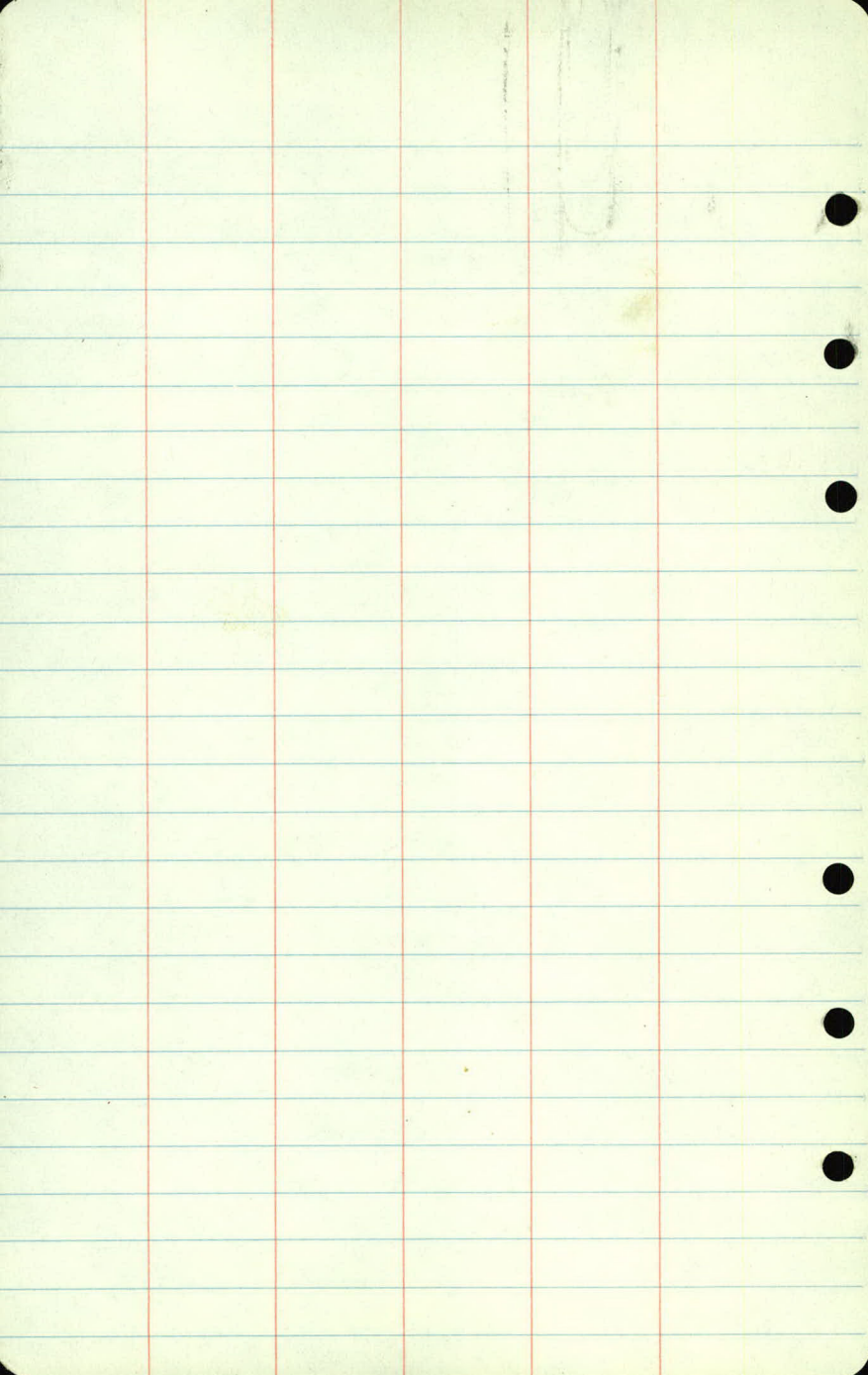
$$\begin{array}{r} 5.1 \\ C 3.4 \\ \hline 26.8 \end{array}$$

6.7

$$\begin{array}{r} 7.6 \\ C 0.6 \\ \hline 20.2 \end{array}$$

$$\begin{array}{r} 6.4 \\ C 0.3 \\ \hline \end{array}$$

$$\begin{array}{r} 5.8 \\ C 0.9 \\ \hline 23.8 \end{array}$$



Slope Stakes

3rd Ave.

(New Brighton)

8th St. to 400' N.

2/13/40

Special
Ditch Grades

B.M.	2.26	884.26	882.00
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0 + 29			877.0
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+ 75			876.4
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1			876.3
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+ 50			875.3
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2 + 04			874.3
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+ 50			
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3			
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+ 50			
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4			
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7.1

Spike Arc. Light Pole S.W. Cor. 8th & 3rd

$$\begin{array}{r} 5.2 \\ F1.5 \\ \hline 2.6 \end{array}$$

3.7

$$\begin{array}{r} 5.4 \\ SDC 1.9 \\ \hline 3.0 \end{array}$$

7.3

$$\begin{array}{r} 5.3 \\ F1.0 \\ \hline 25.0 \end{array}$$

4.3

$$\begin{array}{r} 6.1 \\ SDC 1.4 \\ \hline 3.0 \end{array}$$

7.7

$$\begin{array}{r} 5.5 \\ F0.7 \\ \hline 24.4 \end{array}$$

4.8

$$\begin{array}{r} 6.4 \\ SDC 1.6 \\ \hline 3.0 \end{array}$$

8.0

$$\begin{array}{r} 6.3 \\ F0.5 \\ \hline 24.0 \end{array}$$

5.8

$$\begin{array}{r} 7.7 \\ SDC 1.3 \\ \hline 3.0 \end{array}$$

9.0

$$\begin{array}{r} 9.2 \\ F2.6 \\ \hline 28.2 \end{array}$$

6.6

$$\begin{array}{r} 8.3 \\ SDC 1.7 \\ \hline 3.0 \end{array}$$

10.0

6.2

$$\begin{array}{r} 8.3 \\ F2.1 \\ \hline 27.2 \end{array}$$

4.7

$$\begin{array}{r} 7.4 \\ F2.7 \\ \hline 28.4 \end{array}$$

3.0

$$\begin{array}{r} 6.3 \\ F3.3 \\ \hline 29.6 \end{array}$$

1.8

$$\begin{array}{r} 3.1 \\ F1.3 \\ \hline 25.6 \end{array}$$

