

Bk. 18 Dr. 13

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Plan Survey

THIRD AVE. - New Brighton

From 6th St. No. To 7th St. No.

Road Acc't. No.

Date Filed 3-17-44

File

N.B.

1.

Plan Survey
Third Ave - New Brighton
From 6th to 7th

5-24-43

HAW

AM

LG

Index	Pages
Align	1 to 3
Topog.	3 to 5
X Sections	5 to 10
Slope stakes	10 to 19

Sta + π - Elev

6+58¹⁴

$\approx$ 7th str

6+28¹⁴

South Prop Line

0+30

No Prop Line

0+00

$\approx$ sixth str

Description

Nail

Iron 0

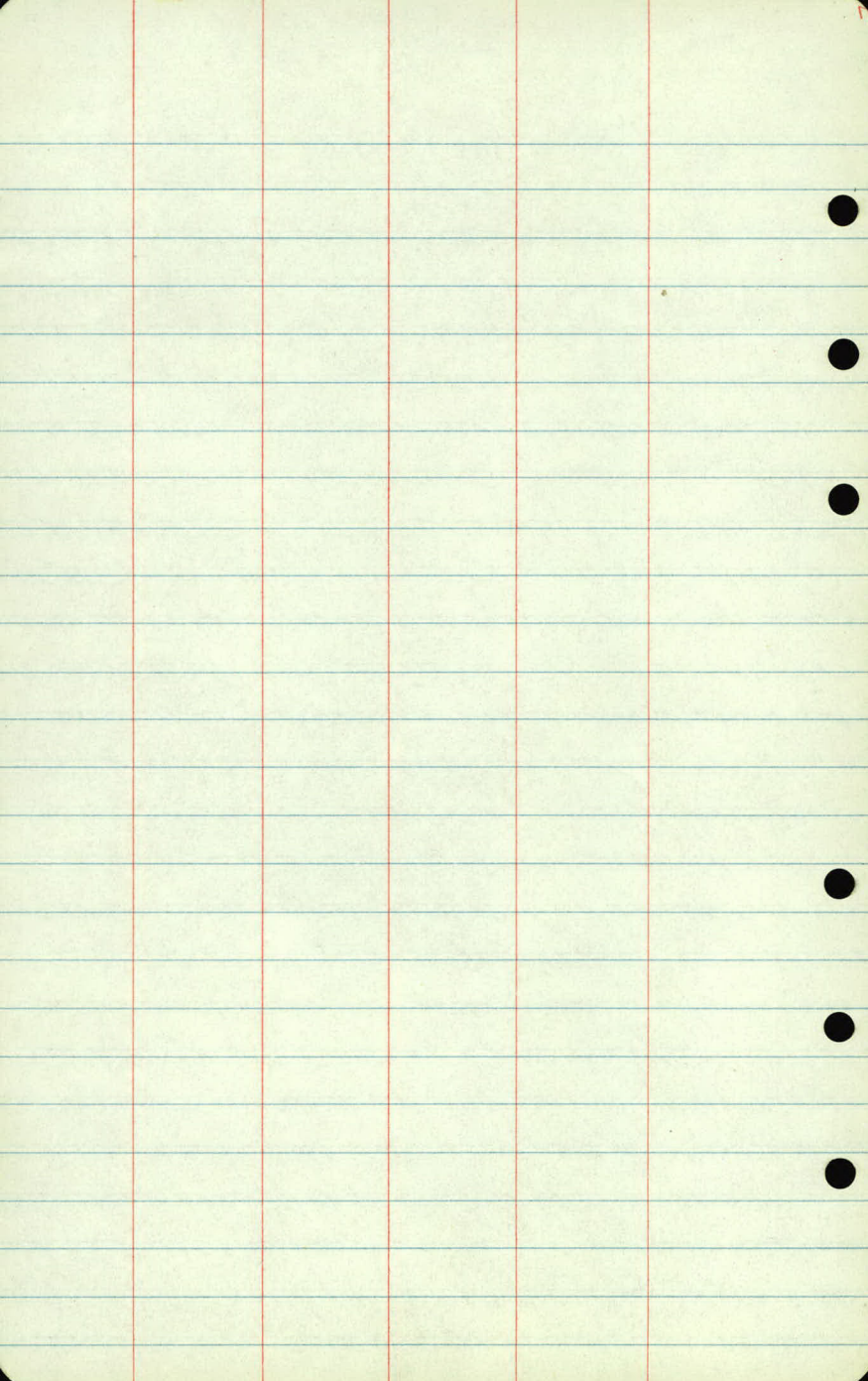
30

Nail

30'

Iron

Nail



Third Str.

Topography

Rd Rd

5

4

3

9'

8'

2

8'

7'

1

8'

7'

0

+10 Edge Parc

Cultivated

Uncult.

+40 End Rad 8'

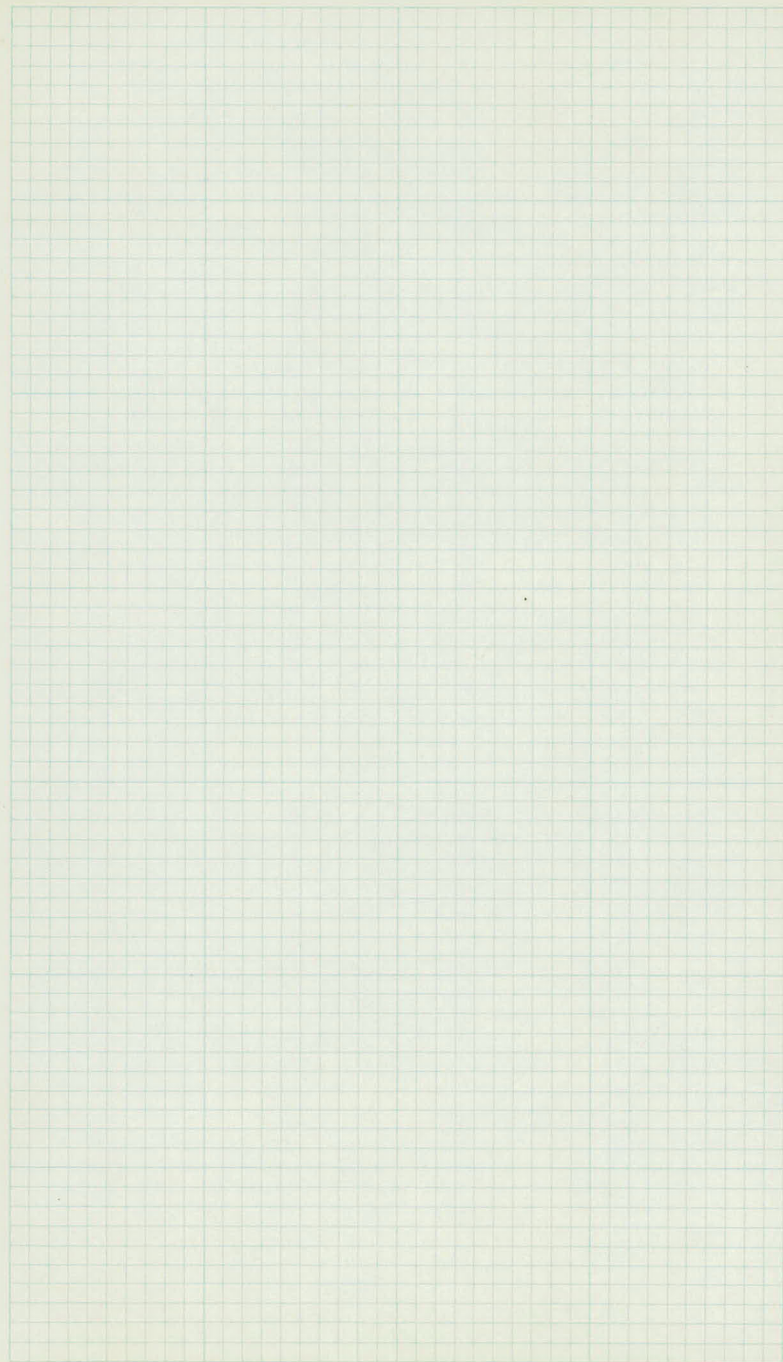
+40 End Rad 8'

+10 Beg Rad 30

+35 Hyl 38'

+10 Beg Rad 38'

20' 1.00 Pave



X Sections

Third Ave

From Sixth to 34th St

HAW

AM

L.G.

5-24-43

Sta	+	Δ	-	Elev
B.M	10.09	926.35		916.26
	1.96	925.71	2.60	923.75
B.M	0.70	925.71	0.70	925.01

+00 ~~Δ~~ Sixth 23.06

+10 Edge Pav 22.95

+16 22.8

+21 22.5

+30 No Prop Line 22.2

+50 21.6

+66 Low spot 20.5
 Lt Pocket

+35 Low " Rt 20.2

+70 20.1

+00 20.1

+50 20.5

LH

K

RT

6

Top Hyd Third + seventh

Top Hyd N.F. Cor Sixth + Third

22.76

23.28

$$\frac{2.95}{50}$$

2.65

$$\frac{2.43}{50}$$

22.68

22.75

23.08

23.14

$$\frac{3.03}{50}$$

$$\frac{2.92}{30}$$

2.76

$$\frac{2.63}{30}$$

$$\frac{2.57}{50}$$

22.7

22.7

$$\frac{3.2}{50}$$

$$\frac{3.0}{20}$$

$$\frac{3.3}{21}$$

$$\frac{3.1}{13}$$

2.9

$$\frac{3.0}{13}$$

$$\frac{3.2}{24}$$

$$\frac{3.0}{30}$$

$$\frac{2.7}{50}$$

21.5

22.3

$$\frac{4.5}{50}$$

$$\frac{4.5}{27}$$

$$\frac{4.2}{30}$$

$$\frac{3.7}{21}$$

$$\frac{3.4}{13}$$

3.2

$$\frac{3.4}{13}$$

$$\frac{3.1}{21}$$

$$\frac{3.4}{30}$$

$$\frac{3.9}{50}$$

20.2

21.3

$$\frac{6.7}{50}$$

$$\frac{5.5}{30}$$

$$\frac{5.2}{21}$$

$$\frac{4.0}{18}$$

$$\frac{3.7}{13}$$

3.5

$$\frac{3.6}{13}$$

$$\frac{4.6}{17}$$

$$\frac{3.5}{22}$$

$$\frac{4.4}{30}$$

$$\frac{3.6}{50}$$

18.4

21.1

$$\frac{7.6}{50}$$

$$\frac{7.3}{30}$$

$$\frac{6.6}{20}$$

$$\frac{4.4}{16}$$

$$\frac{4.6}{13}$$

4.1

$$\frac{4.3}{13}$$

$$\frac{5.3}{15}$$

$$\frac{4.6}{30}$$

$$\frac{4.7}{50}$$

17.2

18.9

18.2

$$\frac{8.6}{75}$$

$$\frac{8.8}{50}$$

$$\frac{8.5}{30}$$

$$\frac{8.2}{20}$$

$$\frac{5.8}{17}$$

$$\frac{5.8}{13}$$

5.2

$$\frac{5.5}{8}$$

$$\frac{5.7}{13}$$

$$\frac{7.1}{15}$$

$$\frac{6.9}{23}$$

$$\frac{6.8}{30}$$

$$\frac{7.5}{50}$$

17.4

16.6

$$\frac{8.4}{75}$$

$$\frac{8.8}{50}$$

$$\frac{8.3}{30}$$

$$\frac{7.7}{24}$$

$$\frac{8.0}{19}$$

$$\frac{6.3}{17}$$

$$\frac{6.1}{13}$$

5.5

$$\frac{6.0}{11}$$

$$\frac{6.5}{13}$$

$$\frac{8.4}{18}$$

$$\frac{9.1}{30}$$

$$\frac{9.4}{50}$$

$$\frac{9.2}{25}$$

18.2

18.3

$$\frac{7.6}{50}$$

$$\frac{7.5}{30}$$

$$\frac{7.0}{24}$$

$$\frac{6.3}{19}$$

$$\frac{6.2}{13}$$

5.6

$$\frac{5.8}{10}$$

$$\frac{6.0}{13.14}$$

$$\frac{7.1}{18}$$

$$\frac{7.4}{30}$$

$$\frac{8.1}{50}$$

18.7

19.9

$$\frac{7.6}{50}$$

$$\frac{7.0}{30}$$

$$\frac{6.5}{21}$$

$$\frac{6.4}{20}$$

$$\frac{5.7}{18}$$

$$\frac{6.1}{13}$$

5.6

$$\frac{5.9}{13-15}$$

$$\frac{6.8}{18}$$

$$\frac{6.0}{22}$$

$$\frac{5.8}{30}$$

$$\frac{6.5}{50}$$

19.0

20.4

$$\frac{7.3}{50}$$

$$\frac{6.7}{30}$$

$$\frac{6.0}{22}$$

$$\frac{5.7}{13}$$

5.2

$$\frac{5.4}{13-15}$$

$$\frac{6.4}{18}$$

$$\frac{5.5}{21}$$

$$\frac{5.3}{30}$$

$$\frac{5.6}{50}$$

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

		925.71		
--	--	--------	--	--

3400				
------	--	--	--	--

			21.2	
--	--	--	------	--

450				
-----	--	--	--	--

			22.0	
--	--	--	------	--

T.P	2.54	926.30	1.95	923.76
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B.M				
-----	--	--	--	--

		10.03	916.27	916.26
--	--	-------	--------	--------

L+

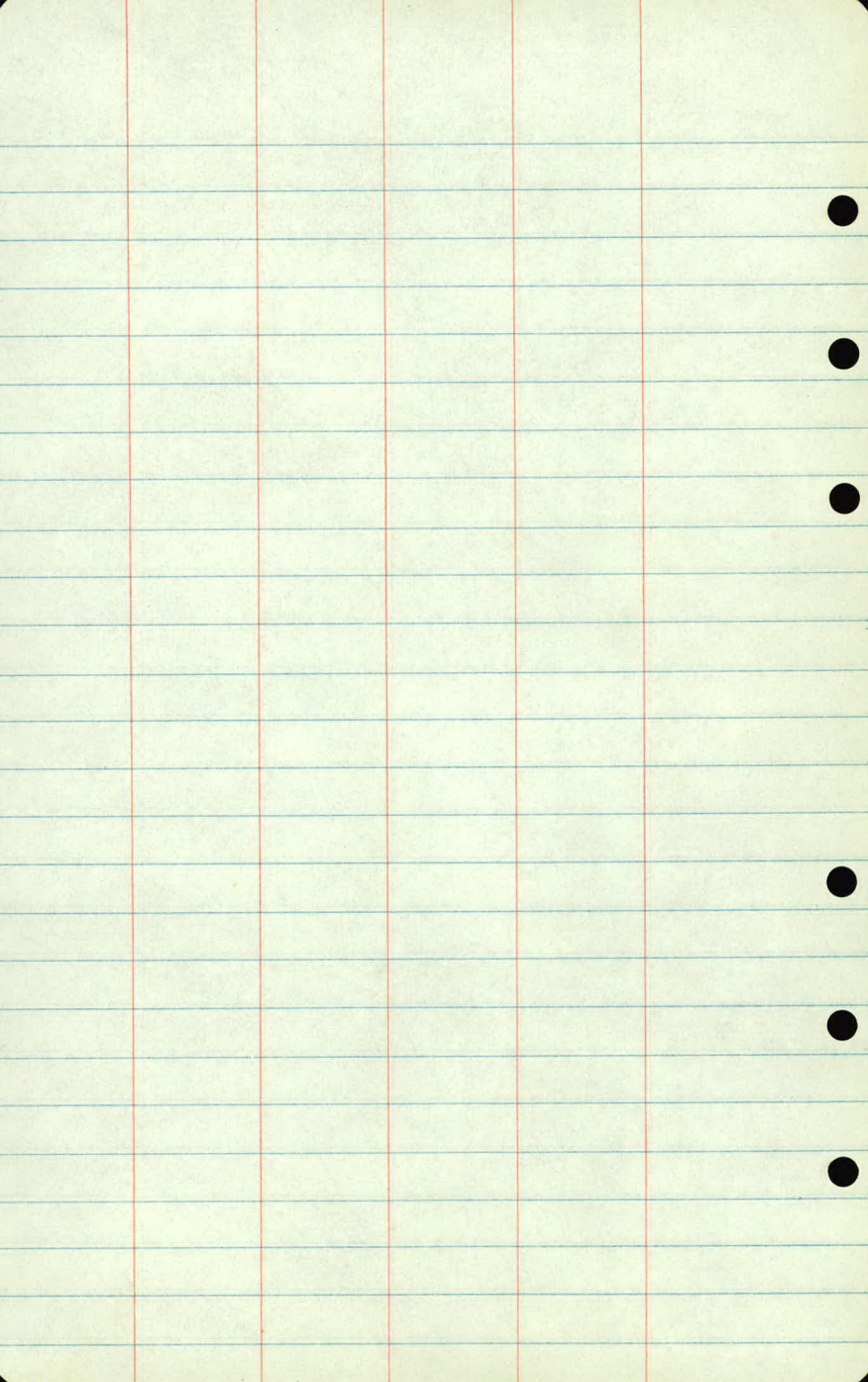
±

R+

4.5

3.7

Top Hyd. Third & Seventh



8

X Sections

Sta	+	π	-	Elev
B.M	994	926.20		916.26
3+00				21.2

+47				21.9
-----	--	--	--	------

+52				22.0
-----	--	--	--	------

+77		Walk Rt		
-----	--	---------	--	--

4				22.4
---	--	--	--	------

+21		Walk Rt		
-----	--	---------	--	--

+50				22.3
-----	--	--	--	------

+66		Walk Rt		21.6
-----	--	---------	--	------

+86				21.6
-----	--	--	--	------

+90				21.5
-----	--	--	--	------

5				21.2
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+17		Walk Rt		
-----	--	---------	--	--

Lt

L

Rt

Top Hyd 5. Weol Cov 7th & Third 920.5 ✓
 $\frac{6.9}{50}$ $\frac{6.2}{30}$ $\frac{5.8}{26}$ $\frac{5.7}{15}$ $\frac{5.2}{9}$ 5.0 $\frac{5.1}{8}$ $\frac{5.4}{12}$ $\frac{6.0}{15}$ $\frac{5.7}{22}$ $\frac{5.7}{30}$ $\frac{6.1}{50}$

920.6 ✓

920.7 ✓

$\frac{6.1}{50}$ $\frac{5.6}{30}$ $\frac{5.7}{23}$ $\frac{5.0}{22}$ $\frac{5.0}{15}$ $\frac{4.5}{9}$ 4.3 $\frac{4.5}{10}$ $\frac{5.0}{15}$ $\frac{5.5}{30}$ $\frac{5.8}{50}$

920.4 ✓

922.5 ✓

$\frac{6.1}{50}$ $\frac{5.6}{30}$ $\frac{5.7}{23}$ $\frac{5.0}{22}$ $\frac{5.0}{15}$ $\frac{4.5}{9}$ 4.2 $\frac{4.4}{8}$ $\frac{4.6}{12}$ $\frac{4.1}{15}$ $\frac{3.7}{30}$ $\frac{3.7}{50}$

Top Walk

$\frac{3.15}{30}$ 923.05 ✓

921.8 ✓

922.9 ✓

$\frac{4.4}{50}$ $\frac{4.4}{30}$ $\frac{4.0}{22}$ $\frac{4.7}{19}$ $\frac{4.4}{13}$ $\frac{3.9}{9}$ 3.8 $\frac{3.9}{8}$ $\frac{3.8}{13}$ $\frac{3.3}{30}$ $\frac{2.8}{50}$

Top Walk

$\frac{2.96}{30}$ 923.24 ✓

23.1 ✓

23.1 ✓

$\frac{3.0}{30}$ $\frac{3.1}{30}$ $\frac{3.1}{24}$ $\frac{4.4}{20}$ $\frac{4.4}{13}$ $\frac{4.1}{10}$ 3.9 $\frac{4.1}{9}$ $\frac{4.4}{13}$ $\frac{4.6}{16}$ $\frac{3.1}{30}$ $\frac{2.5}{50}$

Top Walk

$\frac{2.84}{30}$

23.7 ✓

21.7

23.0

$\frac{2.7}{50}$ $\frac{2.5}{30}$ $\frac{2.1}{25}$ $\frac{5.0}{20}$ $\frac{5.0}{13}$ $\frac{4.9}{10}$ 4.6 $\frac{4.9}{9}$ $\frac{5.2}{13}$ $\frac{5.4}{15}$ $\frac{4.5}{25}$ $\frac{3.2}{28}$ $\frac{3.2}{30}$ $\frac{2.8}{50}$

23.8 ✓

21.9 ✓

$\frac{2.6}{50}$ $\frac{2.4}{30}$ $\frac{2.1}{25}$ $\frac{5.0}{20}$ $\frac{5.1}{13}$ $\frac{4.9}{10}$ 4.7 $\frac{4.9}{9}$ $\frac{5.3}{13}$ $\frac{5.5}{15}$ $\frac{4.8}{24}$ $\frac{4.3}{30}$ $\frac{4.0}{50}$

24.0 ✓

21.7 ✓

$\frac{2.6}{50}$ $\frac{2.2}{30}$ $\frac{2.1}{24}$ $\frac{5.5}{20}$ $\frac{5.2}{13}$ $\frac{5.1}{10}$ 5.0 $\frac{5.2}{9}$ $\frac{5.6}{13}$ $\frac{5.4}{21}$ $\frac{4.5}{30}$ $\frac{4.2}{50}$

Top Walk

$\frac{4.47}{30}$

21.73

Sta	+	Δ	-	Elev
		926.20		20.1
5+33				20.1
+38				19.9
+58		Walk RT		18.2
+78				18.2
+83		58.16 23 35		18.0
6				16.9
+05				
+28 ¹⁶		So. Prop Line		15.2
+30				15.2
+35 ¹⁶		End Rod RT	14.70 Match	
+45 ¹⁶		Top Curb Lt.		14.2
BM		9.94		916.26

L1

2

R1

23.4[✓]921.4[✓]

$\frac{3.2}{50}$	$\frac{2.8}{30}$	$\frac{2.8}{26}$	$\frac{6.6}{19}$	$\frac{6.6}{13}$	$\frac{6.3}{9}$	6.1	$\frac{6.2}{9}$	$\frac{6.6}{13}$	$\frac{5.3}{26}$	$\frac{4.8}{30}$	$\frac{4.6}{50}$
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23.3[✓]919.9[✓]

$\frac{3.2}{50}$	$\frac{2.9}{30}$	$\frac{2.9}{25}$	$\frac{6.8}{20}$	$\frac{6.8}{13}$	$\frac{6.4}{9}$	6.3	$\frac{6.3}{10}$	$\frac{6.9}{13}$	$\frac{7.1}{19}$	$\frac{6.3}{30}$	$\frac{5.6}{50}$
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Top Walk 919.65[✓] $\frac{6.55}{30}$ 21.7[✓]919.4[✓]

$\frac{4.1}{50}$	$\frac{4.5}{30}$	$\frac{4.9}{27}$	$\frac{7.7}{22}$	$\frac{7.8}{19}$	$\frac{8.6}{13}$	$\frac{8.3}{9}$	8.0	$\frac{8.1}{11}$	$\frac{8.4}{13}$	$\frac{9.0}{17}$	$\frac{7.8}{26}$	$\frac{6.8}{30}$	$\frac{6.5}{50}$
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21.4[✓]916.9[✓]

$\frac{4.5}{50}$	$\frac{4.8}{30}$	$\frac{5.3}{25}$	$\frac{8.0}{21}$	$\frac{8.7}{13}$	$\frac{8.5}{9}$	8.2	$\frac{8.5}{12}$	$\frac{8.7}{13}$	$\frac{9.2}{16}$	$\frac{9.6}{22}$	$\frac{9.3}{30}$	$\frac{9.0}{50}$
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20.2[✓]916.6[✓]

$\frac{5.5}{50}$	$\frac{6.0}{30}$	$\frac{6.5}{26}$	$\frac{9.2}{21}$	$\frac{9.5}{19}$	$\frac{9.9}{13}$	$\frac{9.4}{9}$	9.3	$\frac{9.5}{10}$	$\frac{9.7}{13}$	$\frac{9.6}{30}$	$\frac{9.0}{50}$
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Top Walk

 $\frac{9.55}{30}$ 916.65[✓]18.7[✓]915.7[✓]

$\frac{6.6}{50}$	$\frac{7.1}{35}$	$\frac{7.5}{30}$	$\frac{12.0}{21}$	$\frac{12.6}{16}$	$\frac{12.0}{13}$	$\frac{11.4}{11}$	$\frac{11.1}{10}$	$\frac{11.3}{13}$	$\frac{11.5}{24}$	$\frac{10.7}{26}$	$\frac{10.5}{30}$	$\frac{10.4}{50}$
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17.2[✓]913.6[✓]

$\frac{8.4}{50}$	$\frac{9.0}{30}$	$\frac{10.3}{26}$	$\frac{12.4}{23}$	$\frac{12.8}{18}$	$\frac{11.7}{13}$	$\frac{11.3}{10}$	11.0	$\frac{11.5}{13}$	$\frac{11.7}{24}$	$\frac{12.6}{30}$	$\frac{13.2}{50}$
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14.2[✓]Top Road 914.50[✓]

$\frac{11.4}{50}$	$\frac{12.0}{30}$	$\frac{12.3}{26}$	$\frac{13.2}{22}$	$\frac{11.7}{13}$	11.5	$\frac{11.5}{11}$	$\frac{11.7}{13}$	$\frac{12.6}{24}$	$\frac{12.7}{30}$	$\frac{13.5}{50}$
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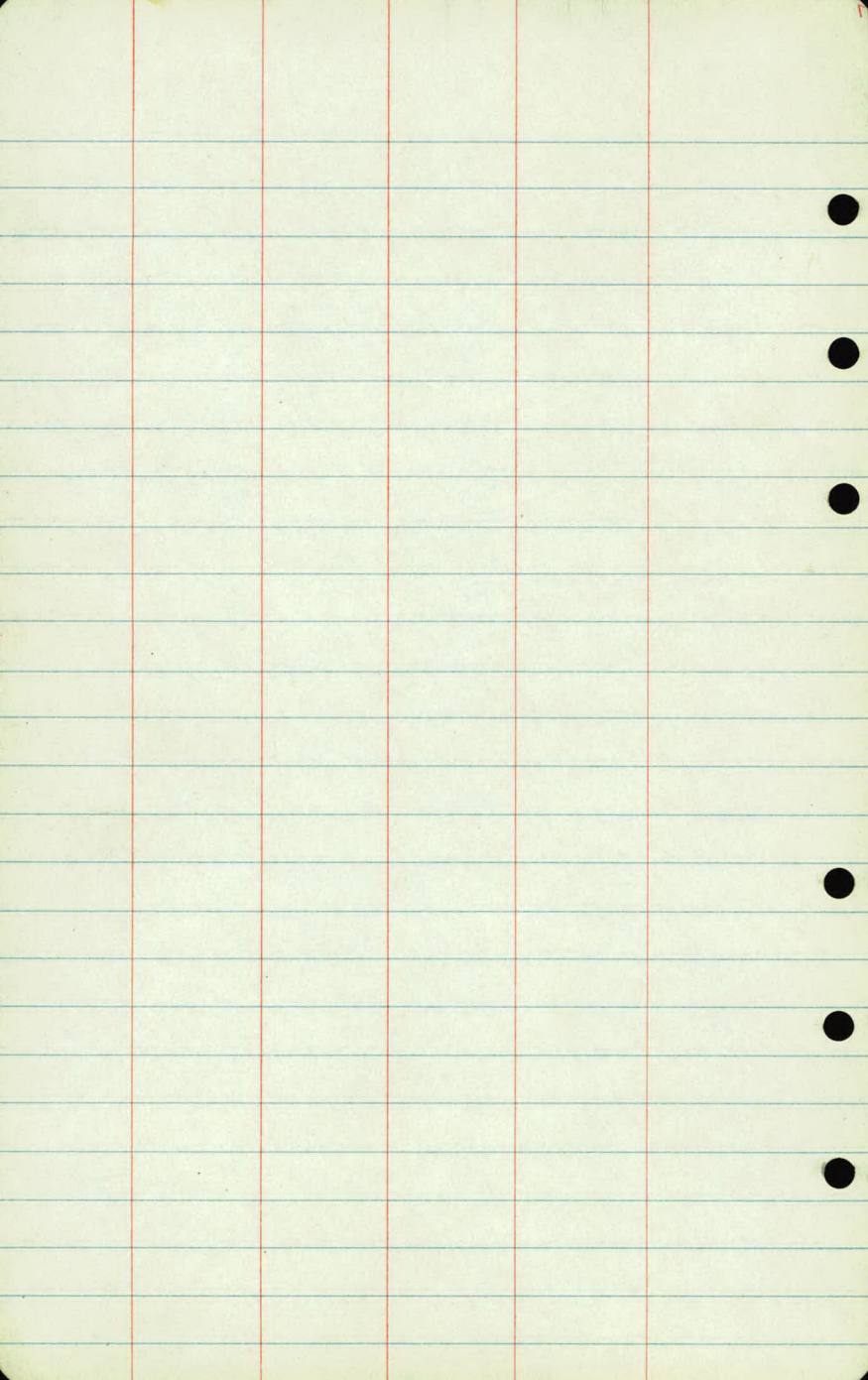
14.38

Top Curb 13.72[✓]5/31[✓]

Top Curb 12.7

$\frac{11.82}{50}$	$\frac{12.48}{35}$	$\frac{12.4}{30}$	$\frac{12.6}{20}$	$\frac{12.1}{13}$	12.0	$\frac{12.4}{13}$	$\frac{12.3}{16}$	$\frac{13.06}{23}$	$\frac{13.50}{30}$
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Top Hyd. S. West Cor 7th & Third



10
Third Ave

Curb Stakes

New Brighton

Sta	+	↑	-	Elev	
	0.63	916.89		916.26	
+23				1145	5.44
+50				0928	7.61
+66				07.73	9.16
+70				06.85	10.04
+82				06.18	10.71
+86			✓	0579	11.10
1				04.43	12.46
+102				0424	
T.P	1.83	905.11	13.61	90328	
+125				0200	3.11 ✓
+50				99.58	5.53
+71				97.74	7.37
+75				97.15	7.96
+90				95.83	9.28

Sta + Δ - Elev
905.11

1+91 95.83 9.28

2 94.83 10.28

+17 93.96 11.15

+25 92.69 12.42

T.P 1.38 892.92 13.57 891.54

+50 90.74 2.18

+75 88.96 3.92

+76 88.91 4.01

+96 87.65 5.27

3 87.41 5.51

+25 86.02 6.90

+44 85.10 7.82

+50 84.85 8.07



Sta	+	Σ	-	Elev
		89292		
3+64				84.28 8.64 27 3
+71				83.99 8.93
+95				83.85 9.07
+91				83.30 9.62
+98				83.10 9.82
4				83.03 9.89
4+18				82.58 10.34
125				82.42 10.50
130				81.98 10.94
175				81.75 11.17✓
5				81.60 11.32✓
+25				81.46 11.46
+50				81.32 11.60✓

Sta + Δ - EIOD

892.92

5752

81.28

11.64 ✓

+45

81.18

11.74

+76

81.17

11.75 ✓

T.P. 480

885.60 12.12

880.80

6

81.04

4.56 ✓

+25

+35⁸⁰

80.83

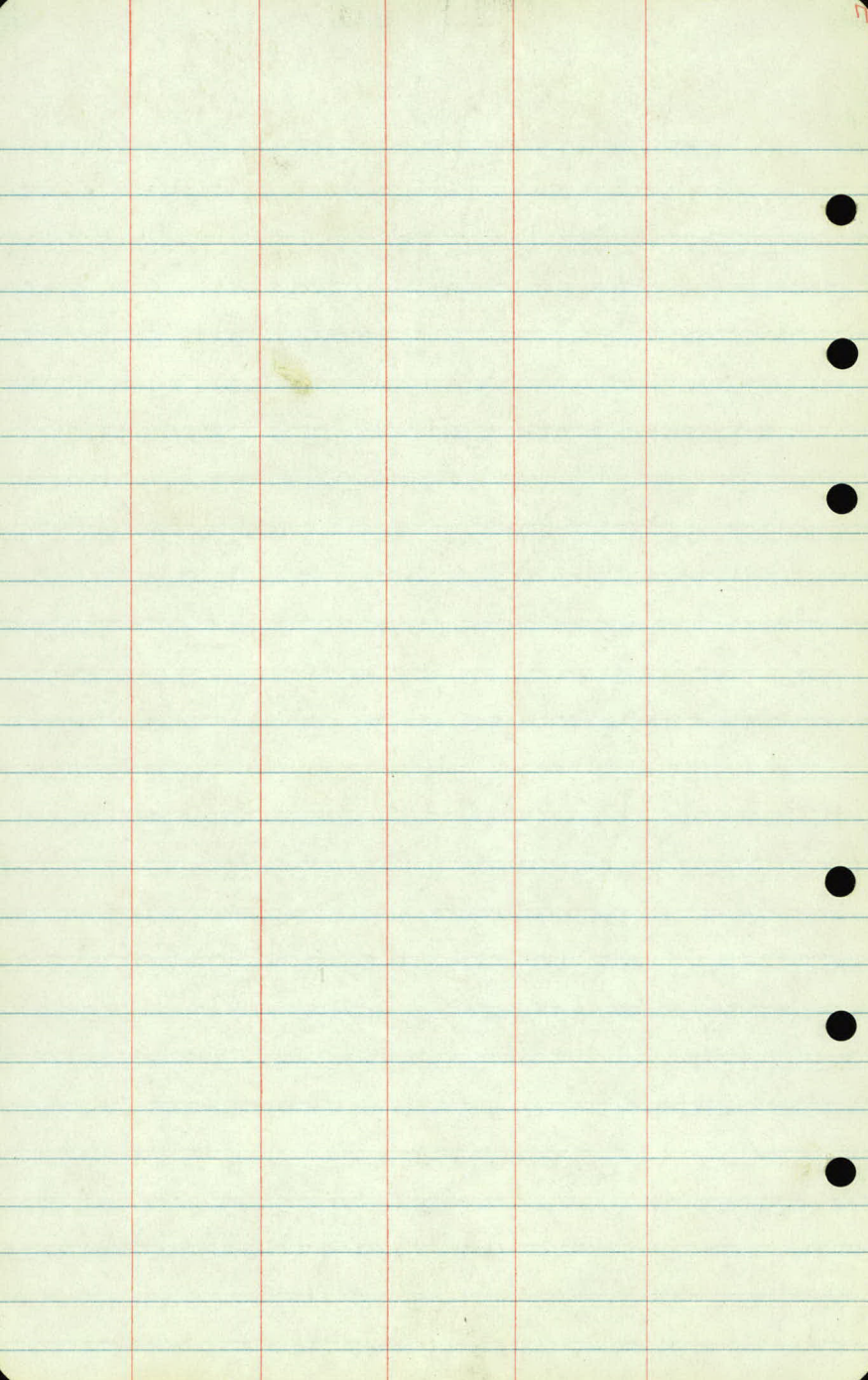
4.77

B.M.

3.60

882.00

SPK. in P.D. S.W. Cor 3rd + 8th



Curb & Grade
stakes

Sta	+	Σ	-	Elev	Gr Rd
B.M	0.95	917.21		916.26	
3+49				12.59	462 ✓
+75				11.52	5.69 ✓
4				10.21	7.00 ✓
+06				09.85	
+					
+25				08.74	8.47
+26					
+50				06.85	10.36
+75				05.30	11.91
5				04.15	13.06
	3.35	907.49	13.07	904.14	
+25				03.40	4.69
+50				03.05	4.44
+75				02.90	4.59

Lt

Rt

Top Hyd S.W. Cuv 3rd + 7th

Sta + π - Elev

907.49

6

02.75 4.74

+22

02.62 487

0.49 907.00 906.99

Curb stakes.
R1.

Sta	t	Δ	-	Elev	
	0.93	917.19		916.26	
3+49				12.59	4.60
+75				11.52	5.67
4				10.21	6.98
+06				09.85	7.34
+26				08.53	8.66
+50				06.85	10.34
+75				05.30	11.89
+77				05.19	12.00
5+01				04.11	13.06
T.P	2.98	907.09	13.06	904.11	
+25				03.40	3.69
+50				03.05	4.04
+70				02.93	4.16

L

Rr

5/4 + π - Elev

907.09

5+75

02.90

4 19

6

02.75

4.34

+22

0262

447

Z

Rt

