

Dr. 8-Bk 152

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

PLAN Survey

NEW BRIGHTON ROAD

From Soo Line R.R. To 1/2 Mi. North

Road Acc't. No. 16

Date Filed.....

File.....

Plan Survey

New Brighton Rd

From S 00 Line to $\frac{1}{2}$ Mi. North

Alignment.

80 + 20.2 P1

Chained Back from P1.

55 + 59.56 = 4 North Tracks.

7/7/38

K.P.

L.G.

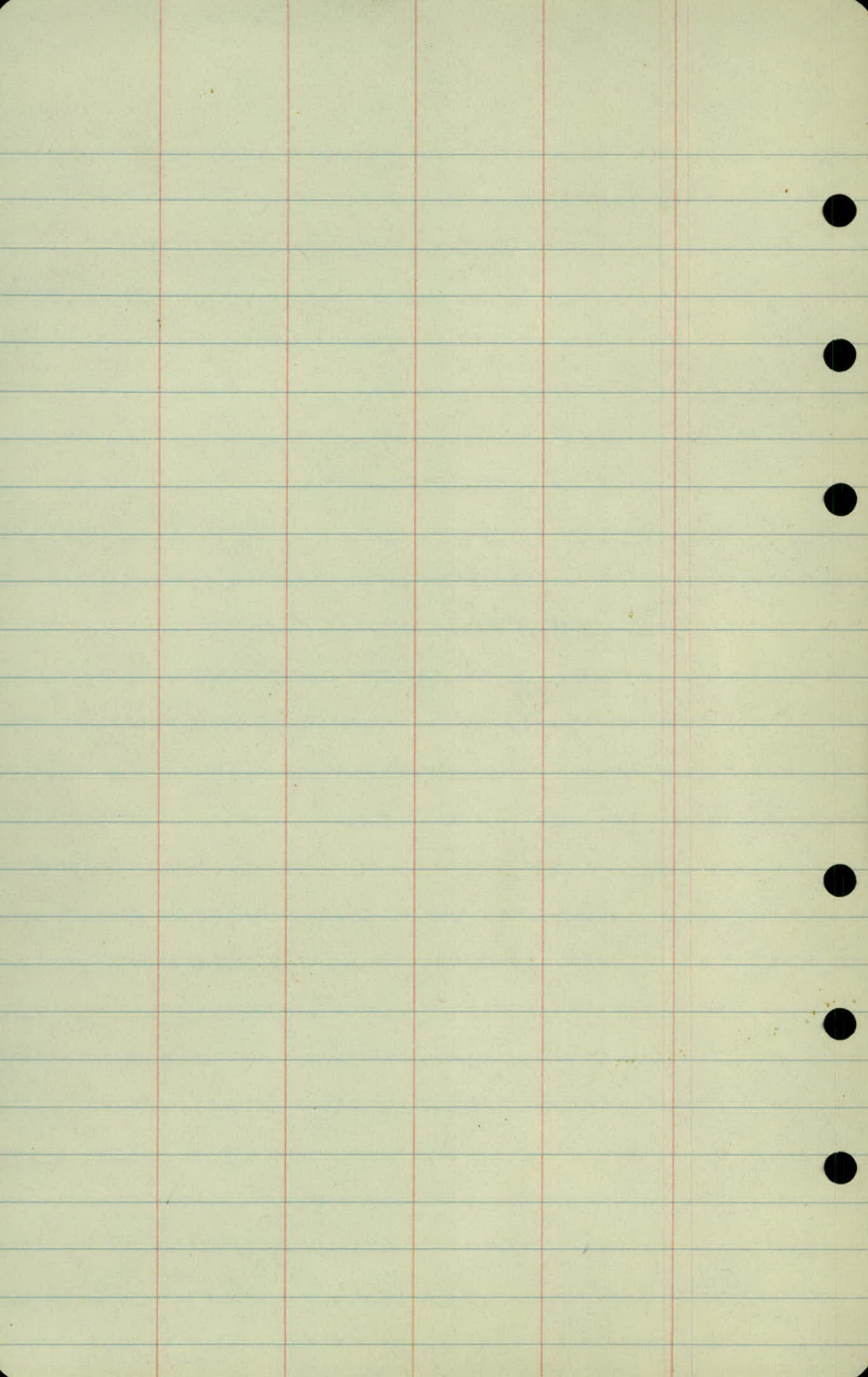
K.P.

M.J.G.

2

Int. Forestang with tie forest. P. 1

23.5' 



Topography

Lot

#75-12" Oak - 48'

15" Oak - 50'

61

#94-End GR-14'

#69-T.P.-28'

60

G.R.-14'

#73-End Curb

59

End Swampy - 32'

#15-T.P.-26'

G.R.-14'

58

G.R.-14'

#67-T.P.-28'

57

Swampy - 23'

G.R.-14'

#41-12" C.M. Spillway 14-29'

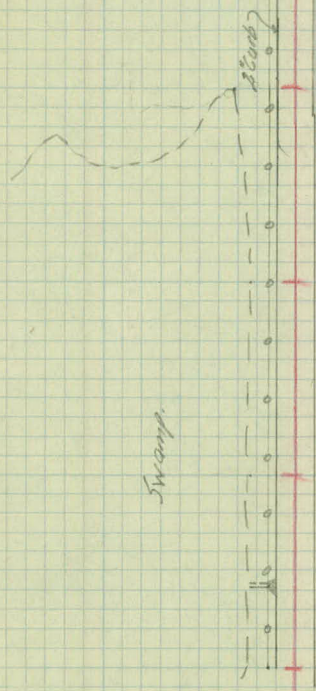
56

#15-T.P.-28'

G.R.-14'

50

30



Lt.

+98-Bog. Corp.

+25-T.P.-26'

68

Tf. Ling - 98'

67

+65-T.P.-26'

66

Tf. Ling - 38'

65

+112-T.P.-28'

+89-15" Oak - 58' Bog. Woods.

+71-15" Oak - C.M. Laying in ditch

+42-6" Oak - 42'

+40-5" Oak - Ho. - 122'

+30-6" Oak - 39'

64

+82-24" Oak - 36'

+76-16" Oak - 37'

+64-T.P.-28'

+39-12" B. E. Oak - 39'

63

+80-N.E. Cor. Ho. - 118'

+73-24" Oak - 32'

+87-5" Oak - Ho. - 123'

+52-Ent

62

+10-T.P.-28' 15" Oak - 39'

5

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6

A rectangle is drawn on a grid. The horizontal side is labeled $20'$ and the vertical side is labeled $14'$.

+53 T.P. 28'

+30 - S.E. Cor. Ha. - 137'

75

Tr. Line - 35'

+85 - Ent.

+51 - S.E. Cor. Ha. - 99'

74

Tr. Line - 30'

+46 - T.P. 28'

+60 - S.E. Cor. Ha. - 90'

+58 - 15' x 20' C.M. - Laying in ditch

73

+19 - S.E. Cor. Ha. - 100'

Tr. Line - 41'

+57 - T.P. 28'

+50 - Ent. 15' x 20' C.M. - 32'

72

+12 - S.E. Cor. Ha. - 106'

Tr. Line - 38'

+83 - End. Curb.

+36 - Spillway 12' C.M. - 19' - 29'

71

S.E. Cor. Found - 100'

Tr. Line - 43'

+89 - T.P. 27'

70

Tr. Line - 41'

+60 - T.P. 28'

+40 - Proposed Ent.

69

Tr. Line - 36'

Rain

6



Double End

153-24°X 56' Coro. Cu N.
29' ===== 27'

22.2.2

47

78

Tr. Line - 37'

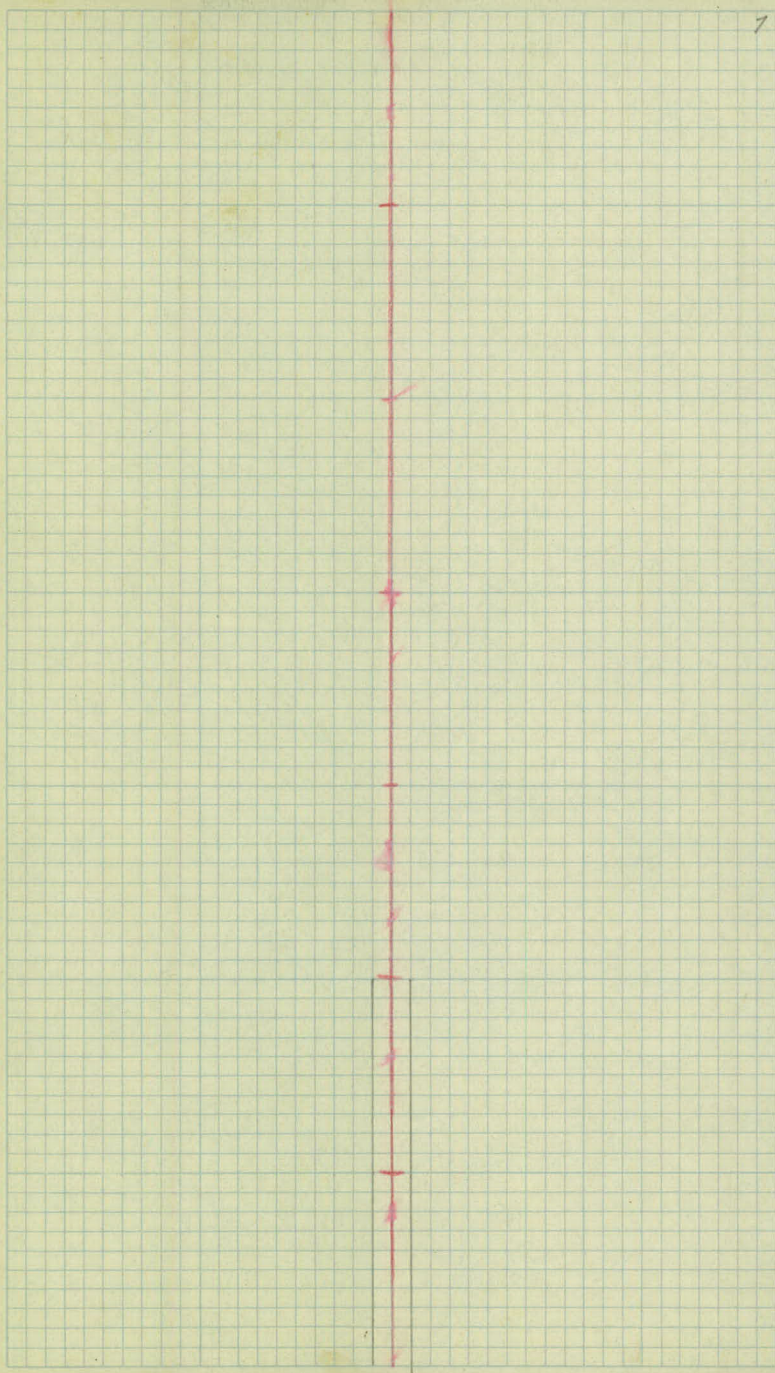
77

+ 2.3 Bcg. Curb
Tr. line - 36'

+ 71-J.P.-29'

76

Tr. Line 20'



X sections

Sta	+	Σ	-	E/cv.
B.M.	1.28	927.51		926.23
T.P.	0.72	914.84	13.39	914.12
T.P.	0.38	902.30	12.92	901.92
T.P.	2.34	896.46	8.18	894.12
B.M.			2.64	893.82 892.82
56	+00			891.88
	+50			91.63
57				93.03
	+50			94.65
T.P.	11.54	906.33	1.67	894.79
58				95.95
	+50			97.20
59				98.77
	+50			900.38
60				01.98

Lt.

L

Top Hopein Pk "E" New Brighton Rd.

Spt. in N. Hic 2nd Bent Pt sta.

$$\frac{82}{60} \quad \frac{76}{23} \quad \frac{45}{15} \quad \frac{458}{10}$$

4.6

$$\frac{82}{60} \quad \frac{81}{22} \quad \frac{78}{15} \quad \frac{483}{10}$$

4.8

$$\frac{92}{60} \quad \frac{88}{70} \quad \frac{79}{23} \quad \frac{36}{15} \quad \frac{343}{10}$$

3.4

$$\frac{85}{60} \quad \frac{84}{43} \quad \frac{82}{27} \quad \frac{20}{15} \quad \frac{181}{10}$$

1.8

$$\frac{185}{60} \quad \frac{179}{28} \quad \frac{107}{15} \quad \frac{1038}{10}$$

10.4

$$\frac{177}{60} \quad \frac{177}{29} \quad \frac{76}{15} \quad \frac{913}{10}$$

9.1

$$\frac{168}{60} \quad \frac{17}{33} \quad \frac{81}{16} \quad \frac{756}{10}$$

7.6

$$\frac{127}{60} \quad \frac{132}{30} \quad \frac{62}{15} \quad \frac{595}{10}$$

6.0

$$\frac{75}{60} \quad \frac{97}{38} \quad \frac{95}{24} \quad \frac{44}{15} \quad \frac{435}{10}$$

4.4

Sta	+	X	-	Elev
		906.33		
60	+50			903.70
T.P.	12.70	918.23	0.80	905.52
61				05.44
	+50			07.48
62				08.95
	+30			10.05
	+75			10.64
63				12.40
	+50			13.78
64				15.14
B.M.	8.50	926.73	0.00	918.23
	+50			10.33
65				17.97

L.

K.

$$\frac{0.3}{60} \frac{2.9}{34} \frac{6.9}{27} \frac{6.9}{23} \frac{2.8}{15} \frac{2.43}{10} \quad 2.6$$

$$\frac{6.2}{75} \frac{6.4}{60} \frac{8.1}{39} \frac{16.1}{27} \frac{14.0}{22} \frac{19.1}{15} \frac{12.79}{10} \quad 12.8$$

$$\frac{3.6}{75} \frac{2.7}{60} \frac{3.2}{49} \frac{12.9}{28} \frac{11.9}{23} \frac{11.2}{15} \frac{10.75}{10} \quad 10.8$$

$$\frac{4.0}{75} \frac{3.4}{60} \frac{5.0}{46} \frac{13.0}{30} \frac{12.6}{23} \frac{9.6}{15} \frac{7.07}{10} \quad 9.3$$

$$\frac{3.0}{60} \frac{4.5}{41} \frac{10.3}{31} \frac{10.3}{23} \frac{8.2}{15} \frac{8.15}{10} \quad 8.2$$

$$\frac{8.1}{60} \frac{7.5}{30} \frac{8.2}{26} \frac{8.1}{22} \frac{6.8}{15} \frac{7.59}{10} \quad 7.6$$

$$\frac{10.5}{60} \frac{10.6}{38} \frac{9.4}{26} \frac{5.9}{15} \quad \frac{5.83}{10} \quad 5.9$$

$$\frac{12.7}{60} \frac{11.6}{32} \frac{4.9}{15} \frac{4.45}{10} \quad 4.5$$

$$\frac{12.4}{60} \frac{12.0}{34} \frac{3.9}{15} \quad \frac{3.39}{10} \quad 3.1$$

$$\frac{9.7}{60} \frac{8.5}{41} \frac{6.5}{28} \frac{1.6}{15} \frac{16.4}{10} \quad 16.$$

$$\frac{9.5}{60} \frac{7.0}{32} \frac{11.8}{24} \frac{11.5}{21} \frac{9.1}{15} \frac{8.76}{10} \quad 8.8$$

Sta.	+	π	-	Elev
		926.73		
65	+50			919.82
66				20.48
	+50			21.17
67				21.59
	+50			21.46
68				21.03
	+50			20.18
69				19.24
T.P.	2.79	920.69	9.78	912.95
	+50			17.95
70				16.91
	+50			16.15

11

8

$$\frac{10}{60} \quad \frac{120}{38} \quad \frac{105}{26} \quad \frac{105}{22} \quad \frac{74}{15} \quad \frac{741}{10}$$

7.4

$$\frac{13}{75} \quad \frac{00}{60} \quad \frac{124}{40} \quad \frac{91}{26} \quad \frac{87}{20} \quad \frac{64}{15} \quad \frac{626}{10}$$

6.3

$$\frac{04}{75} \quad \frac{114}{50} \quad \frac{138}{40} \quad \frac{75}{24} \quad \frac{76}{20} \quad \frac{57}{15} \quad \frac{556}{10}$$

5.6

$$\frac{116}{75} \quad \frac{136}{60} \quad \frac{151}{40} \quad \frac{67}{24} \quad \frac{75}{20} \quad \frac{58}{15} \quad \frac{514}{10}$$

5.1

$$\frac{120}{75} \quad \frac{140}{60} \quad \frac{160}{40} \quad \frac{67}{22} \quad \frac{74}{18} \quad \frac{55}{15} \quad \frac{527}{10}$$

5.3

$$\frac{07}{75} \quad \frac{119}{60} \quad \frac{152}{39} \quad \frac{73}{22} \quad \frac{76}{18} \quad \frac{59}{15} \quad \frac{570}{10}$$

5.7

$$5.5, \quad \frac{12}{60} \quad \frac{123}{36} \quad \frac{87}{21} \quad \frac{84}{19} \quad \frac{67}{15} \quad \frac{685}{10}$$

6.6

$$\frac{54}{60} \quad \frac{46}{50} \quad \frac{48}{30} \quad \frac{104}{24} \quad \frac{102}{20} \quad \frac{77}{15} \quad \frac{749}{10}$$

7.5

$$\frac{20}{60} \quad \frac{80}{49} \quad \frac{79}{39} \quad \frac{50}{29} \quad \frac{69}{26} \quad \frac{69}{23} \quad \frac{33}{15} \quad \frac{274}{10}$$

2.7

$$\frac{70}{75} \quad \frac{70}{60} \quad \frac{115}{43} \quad \frac{116}{39} \quad \frac{39}{15} \quad \frac{378}{10}$$

3.8

$$\frac{51}{60} \quad \frac{78}{48} \quad \frac{120}{40} \quad \frac{124}{20} \quad \frac{47}{15} \quad \frac{454}{10}$$

4.5

Sta.	+	π	-	Elev.
		920.69		
71				915.71
	+50			15.28
72				15.46
	+60			15.85
73				16.05
	+50			16.32
T.P.	413	920.64 ✓	920	916.49 ✓
74				16.49
	+50			16.85
75				16.27
	+60			15.78
76				15.35

N.

E.

$$\frac{38}{60} \frac{67}{43} \frac{116}{36} \frac{118}{28} \frac{51}{15} \frac{498}{10}$$

5.0

09.27

12.93
Flowline

$$\frac{35}{60} \frac{73}{44} \frac{116}{38} \frac{120}{29} \frac{59}{15} \frac{541}{10}$$

5.4 11.42
Flowline

$$\frac{64}{60} \frac{83}{49} \frac{124}{41} \frac{123}{27} \frac{53}{15} \frac{523}{10}$$

5.2

$$\frac{57}{60} \frac{88}{39} \frac{104}{36} \frac{104}{27} \frac{52}{18} \frac{484}{10}$$

4.8

$$\frac{41}{60} \frac{57}{37} \frac{91}{32} \frac{91}{26} \frac{46}{16} \frac{464}{10}$$

4.6

$$\frac{0.0}{60} \frac{10}{38} \frac{74}{29} \frac{73}{23} \frac{46}{17} \frac{437}{10}$$

4.4

$$\frac{120}{75} \frac{133}{60} \frac{150}{37} \frac{51}{23} \frac{60}{19} \frac{41}{15} \frac{415}{10}$$

4.2

$$\frac{131}{75} \frac{143}{60} \frac{160}{37} \frac{49}{22} \frac{55}{19} \frac{43}{15} \frac{409}{10}$$

4.1

$$\frac{140}{75} \frac{140}{60} \frac{111}{41} \frac{12}{29} \frac{53}{26} \frac{58}{19} \frac{44}{15} \frac{437}{10}$$

4.4

$$\frac{52}{60} \frac{58}{51} \frac{57}{27} \frac{68}{25} \frac{65}{19} \frac{50}{15} \frac{486}{10}$$

4.8

$$\frac{23}{60} \frac{32}{30} \frac{68}{24} \frac{70}{21} \frac{54}{16} \frac{529}{10}$$

5.3

Sta + A - Elev

920.64

76 +50

914.63

77

13.62

+50

12.48

+82

11.46

78

10.86

B.M.

7.92

912.72

14

2

$$\begin{array}{r} +20 \\ 73 \end{array} \quad \begin{array}{r} +12 \\ 60 \end{array} \quad \begin{array}{r} +1.2 \\ 32 \end{array} \quad \begin{array}{r} 73 \\ 22 \end{array} \quad \begin{array}{r} 77 \\ 19 \end{array} \quad \begin{array}{r} 60 \\ 16 \end{array} \quad \begin{array}{r} 601 \\ 10 \end{array} \quad 6.0$$

$$40, \quad \begin{array}{r} +22 \\ 60 \end{array} \quad \begin{array}{r} +2.8 \\ 37 \end{array} \quad \begin{array}{r} 78 \\ 22 \end{array} \quad \begin{array}{r} 81 \\ 18 \end{array} \quad \begin{array}{r} 70 \\ 15 \end{array} \quad \begin{array}{r} 702 \\ 16 \end{array} \quad 7.0$$

$$\begin{array}{r} 20 \\ 60 \end{array} \quad \begin{array}{r} 40 \\ 33 \end{array} \quad \begin{array}{r} 101 \\ 25 \end{array} \quad \begin{array}{r} 105 \\ 21 \end{array} \quad \begin{array}{r} 81 \\ 16 \end{array} \quad \begin{array}{r} 816 \\ 10 \end{array} \quad 8.2$$

$$\begin{array}{r} 47 \\ 60 \end{array} \quad \begin{array}{r} 52 \\ 32 \end{array} \quad \begin{array}{r} 114 \\ 25 \end{array} \quad \begin{array}{r} 117 \\ 22 \end{array} \quad \begin{array}{r} 91 \\ 16 \end{array} \quad \begin{array}{r} 918 \\ 10 \end{array} \quad 9.2$$

$$\begin{array}{r} 61 \\ 60 \end{array} \quad \begin{array}{r} 74 \\ 32 \end{array} \quad \begin{array}{r} 121 \\ 29 \end{array} \quad \begin{array}{r} 122 \\ 22 \end{array} \quad \begin{array}{r} 101 \\ 17 \end{array} \quad \begin{array}{r} 978 \\ 10 \end{array} \quad 9.8$$

Top S.R.R.G.R. Post Pt 78115

Sta

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Elev