

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Road Map.....Survey

FROST AVE.....

From Arcade St To Frost Av. Conn.

Road Acc't. No. 10 B

Date Filed 10-10-27

File.....

of Ramsey Co. Engineer
ST. PAUL, MINN.

10-10-27

11

File No.

Ref 9/8 # ~~75~~ 10
Alignment from F.H. # TH61
to Frost Ave. Conn.

FROST
~~PAYNE AVENUE CONN.~~

Received 9-7-27
C. J. Van Kester

Office of Ramsey Co. Engineer	
ST. PAUL, MINN.	
Date Filed	10-10-27
File No.	11

Sta. Point Δ Lt. Δ Rt.

7+93 ⁶⁸ P.T.

25°-58' ✓

+50

21°-47' ✓

7+00

19°-17' ✓

+50

16°-47' ✓

6+00

14°-17' ✓

5+69 ³⁷ P.I.

Δ -47°-56'

+50

11°-47' ✓

D-10° R.

5+00

9°-17' ✓

T-255.0±

+50

6°-47' ✓

L-479 ⁹³

4+00

4°-17' ✓

R-573 ⁶⁹

+50

1°-47'

3+14 ³⁵ P.C.

0+00

7-2-27

39° 00' 28"

10 + 28.05

50 25

40 35 57

Offset

1700 P.O.T.

0+00 = 0+06 ²⁵ P.I.
On Payne Ave Conn.

Nail in Pavement.

Sta. Point A Lt. Δ Lt.

7250

14 + 16 $\overline{75}$ P.O.T. = P.I. on Proj. #26-051

13 + 16 $\overline{45}$ P.O.T.

✓

12 + 14 $\overline{89}$ P.T. 19°-30' ✓

12+00 18°-45 $\frac{3}{2}$ ' ✓

+50 16°-15 $\frac{3}{2}$ ' ✓

11+00 15°-45 $\frac{3}{2}$ ' ✓

+50 11°-15 $\frac{3}{2}$ ' ✓

10 + 28 $\overline{05}$ P.I. Δ-39°-00'

10+00 8°-45 $\frac{3}{2}$ ' ✓

P-10° Lt.

+50 6°-15 $\frac{3}{2}$ ' ✓

T-20 $\frac{1}{2}$ '

9+00 3°-45 $\frac{3}{2}$ ' ✓

L-390°

+50 1°-15 $\frac{3}{2}$ ' ✓

R-57 $\frac{1}{2}$ '

8 + 24 $\overline{89}$ P.C. 0°-00'

Ref # 95.
Check Levels

Sta.	t	H.I.	-	Elev.
P.M.	11.76	875.84		863.60
	12.70	886.68	1.38	879.98
	7.70	892.85	1.53	885.15
P.M.			7.09	885.76
	0.78	892.12	1.51	891.34
	8.93	894.02	7.03	885.09
P.M.			5.50	888.52

R.R. SpK. Arc. Light Pole #58.

R.R. SpK in stump 130' Lt. Sta. 12+10

SpK in P.P. 40' Lt. Sta. 2+20.

13. M.

5.50

894.02

888.52

Rd 9/c # 95.

X. Sections from S.T.H. #1
to Frost Ave.

Sta.	+	H.I.	-	Ref	Elev.
------	---	------	---	-----	-------

B.M.	5.50	894.02		888.52	
------	------	--------	--	--------	--

-2+00				12.61	
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-1+50				11.50	
-------	--	--	--	-------	--

-1+00				10.34	
-------	--	--	--	-------	--

-0+50				8.71	
-------	--	--	--	------	--

-0+23				7.93	
-------	--	--	--	------	--

0+00		At grade	St.	7.19	
------	--	----------	-----	------	--

0+00					
------	--	--	--	--	--

0+21	E				
------	---	--	--	--	--

0+33					
------	--	--	--	--	--

0+55					
------	--	--	--	--	--

1+00					
------	--	--	--	--	--

	2.78	889.01	7.99	886.03	
--	------	--------	------	--------	--

+50					
-----	--	--	--	--	--

2+00					
------	--	--	--	--	--

+50					
-----	--	--	--	--	--

3+00					
------	--	--	--	--	--

SpK in P.P. 40 ft. Sta. 0+20

<u>104</u>	<u>284</u>	<u>427</u>	<u>578</u>	<u>879</u>	<u>1004</u>	<u>1100</u>	<u>1160</u>
500	150	100	50	50	100	150	100

<u>708</u>	<u>709</u>	<u>702</u>	<u>770</u>	<u>75</u>	<u>118</u>	<u>144</u>
33	36	17	7.19	15	23	33

<u>636</u>	<u>634</u>	<u>642</u>	<u>69</u>	<u>12.1</u>	<u>15.5</u>
39	30	14	6.90	9	22

<u>564</u>	<u>585</u>	<u>64</u>	<u>106</u>	<u>15.8</u>
50	27	10	6.5	11

<u>532</u>	<u>561</u>	<u>60</u>	<u>69</u>	<u>72</u>	<u>120</u>	<u>131</u>	<u>150</u>
33	25	21	15	7	8.5	12	24

<u>411</u>	<u>44</u>	<u>70</u>	<u>88</u>	<u>12.1</u>	<u>149</u>	<u>163</u>
51	44	30	14	7.9	13	22

<u>41</u>	<u>37</u>	<u>44</u>	<u>55</u>	<u>80</u>	<u>10.2</u>	<u>12.4</u>
33	21	7	4	6.2	11	24

<u>43</u>	<u>35</u>	<u>40</u>	<u>51</u>	<u>64</u>	<u>90</u>	<u>123</u>
33	23	10	7	3	6.8	13

<u>35</u>	<u>30</u>	<u>36</u>	<u>54</u>	<u>89</u>	<u>12.4</u>
33	27	10	5	6.1	14

<u>30</u>	<u>26</u>	<u>31</u>	<u>44</u>	<u>54</u>	<u>96</u>	<u>121</u>
33	26	10	6	3	6.0	18

Sta.	T	H. I.	-	Elev.
		889.01		

+50

4+00

+50

0.95	884.98	4.98	884.03
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5+00

+50

6+00

0.43	874.45	10.96	874.02
------	--------	-------	--------

+50

7+00

+50

8+00

7.11	874.92	6.64	867.81
------	--------	------	--------

+50

4.52

9+00

+50

$$\begin{array}{r} 3.3 \\ 33 \end{array} \quad \begin{array}{r} 3.0 \\ 24 \end{array} \quad \begin{array}{r} 3.3 \\ 9 \end{array} \quad \begin{array}{r} 5.0 \\ 5 \end{array} \quad 5.8 \quad \begin{array}{r} 8.5 \\ 15 \end{array} \quad \begin{array}{r} 11.7 \\ 33 \end{array}$$

$$\begin{array}{r} 3.2 \\ 33 \end{array} \quad \begin{array}{r} 3.7 \\ 27 \end{array} \quad \begin{array}{r} 3.1 \\ 12 \end{array} \quad \begin{array}{r} 7.1 \\ 9 \end{array} \quad \begin{array}{r} 5.4 \\ 7 \end{array} \quad 6.2 \quad \begin{array}{r} 10.1 \\ 20 \end{array} \quad \begin{array}{r} 12.6 \\ 33 \end{array}$$

$$\begin{array}{r} 3.4 \\ 33 \end{array} \quad \begin{array}{r} 3.7 \\ 17 \end{array} \quad \begin{array}{r} 5.3 \\ 12 \end{array} \quad \begin{array}{r} 6.2 \\ 9 \end{array} \quad 7.7 \quad \begin{array}{r} 7.7 \\ 11 \end{array} \quad \begin{array}{r} 13.1 \\ 30 \end{array} \quad \begin{array}{r} 13.3 \\ 33 \end{array}$$

$$\begin{array}{r} 1.3 \\ 33 \end{array} \quad \begin{array}{r} 1.2 \\ 24 \end{array} \quad \begin{array}{r} 3.3 \\ 15 \end{array} \quad 5.4 \quad \begin{array}{r} 8.5 \\ 17 \end{array} \quad \begin{array}{r} 11.8 \\ 33 \end{array}$$

$$\begin{array}{r} 3.9 \\ 33 \end{array} \quad \begin{array}{r} 5.1 \\ 26 \end{array} \quad \begin{array}{r} 7.3 \\ 13 \end{array} \quad 7.0 \quad \begin{array}{r} 12.1 \\ 20 \end{array} \quad \begin{array}{r} 14.5 \\ 33 \end{array}$$

$$\begin{array}{r} 9.3 \\ 33 \end{array} \quad \begin{array}{r} 11.5 \\ 12 \end{array} \quad 13.3 \quad \begin{array}{r} 15.9 \\ 20 \end{array} \quad \begin{array}{r} 17.8 \\ 33 \end{array}$$

$$\begin{array}{r} 1.6 \\ 33 \end{array} \quad \begin{array}{r} 3.5 \\ 13 \end{array} \quad 5.3 \quad \begin{array}{r} 7.3 \\ 10 \end{array} \quad \begin{array}{r} 7.7 \\ 33 \end{array}$$

$$\begin{array}{r} 2.9 \\ 33 \end{array} \quad \begin{array}{r} 5.0 \\ 14 \end{array} \quad 7.4 \quad \begin{array}{r} 8.5 \\ 9 \end{array} \quad \begin{array}{r} 11.2 \\ 27 \end{array} \quad \begin{array}{r} 12.2 \\ 33 \end{array}$$

$$\begin{array}{r} 5.2 \\ 33 \end{array} \quad \begin{array}{r} 7.4 \\ 13 \end{array} \quad 8.7 \quad \begin{array}{r} 10.9 \\ 15 \end{array} \quad \begin{array}{r} 13.3 \\ 33 \end{array}$$

$$\begin{array}{r} 7.2 \\ 33 \end{array} \quad \begin{array}{r} 8.8 \\ 18 \end{array} \quad 11.1 \quad \begin{array}{r} 12.2 \\ 18 \end{array} \quad \begin{array}{r} 13.5 \\ 33 \end{array}$$

$$\begin{array}{r} 5.6 \\ 33 \end{array} \quad \begin{array}{r} 6.4 \\ 14 \end{array} \quad 7.4 \quad \begin{array}{r} 11.6 \\ 23 \end{array} \quad \begin{array}{r} 13.1 \\ 33 \end{array}$$

Spk. in 24" Oak. 40' Lt. Sta 8+80.

$$\begin{array}{r} 5.8 \\ 33 \end{array} \quad \begin{array}{r} 5.4 \\ 11 \end{array} \quad 4.7 \quad \begin{array}{r} 5.7 \\ 20 \end{array} \quad \begin{array}{r} 6.5 \\ 33 \end{array}$$

$$\begin{array}{r} 6.5 \\ 30 \end{array} \quad \begin{array}{r} 6.1 \\ 15 \end{array} \quad 6.0 \quad \begin{array}{r} 4.1 \\ 20 \end{array} \quad \begin{array}{r} 4.5 \\ 33 \end{array}$$

Sta. + H.I. - No. Elev.

874.92

10+00

+50

11+00

+50

12+00

11.97 885.50 1.37 879.53

+50

5.30 887.86 2.94 892.56

B.M. 3.32 889.08 2.13 885.73 885.74

+87

13+00

+20

+41

T.P. 0.73 878.28 11.53 877.55

+57

2.09 869.12 11.25 867.03

+77

$$\begin{array}{r} 6.1 \\ 33 \end{array} \quad \begin{array}{r} 5.4 \\ 15 \end{array} \quad 5.0 \quad \begin{array}{r} 5.0 \\ 22 \end{array} \quad \begin{array}{r} 5.4 \\ 33 \end{array}$$

$$\begin{array}{r} 6.4 \\ 33 \end{array} \quad \begin{array}{r} 6.3 \\ 15 \end{array} \quad 6.4 \quad \begin{array}{r} 6.0 \\ 14 \end{array} \quad \begin{array}{r} 6.5 \\ 33 \end{array}$$

$$\begin{array}{r} 4.8 \\ 33 \end{array} \quad \begin{array}{r} 5.3 \\ 16 \end{array} \quad 5.7 \quad \begin{array}{r} 6.0 \\ 18 \end{array} \quad \begin{array}{r} 5.8 \\ 33 \end{array}$$

$$\begin{array}{r} 4.5 \\ 33 \end{array} \quad \begin{array}{r} 5.4 \\ 19 \end{array} \quad 6.0 \quad \begin{array}{r} 6.5 \\ 17 \end{array} \quad \begin{array}{r} 6.8 \\ 33 \end{array}$$

$$\begin{array}{r} 1.1 \\ 33 \end{array} \quad \begin{array}{r} 2.5 \\ 16 \end{array} \quad 3.4 \quad \begin{array}{r} 4.0 \\ 20 \end{array} \quad \begin{array}{r} 4.2 \\ 33 \end{array}$$

$$\begin{array}{r} 4.3 \\ 33 \end{array} \quad \begin{array}{r} 5.6 \\ 19 \end{array} \quad 6.7 \quad \begin{array}{r} 7.6 \\ 17 \end{array} \quad \begin{array}{r} 8.2 \\ 33 \end{array}$$

$$\begin{array}{r} 3.8 \\ 33 \end{array} \quad \begin{array}{r} 3.7 \\ 13 \end{array} \quad 3.7 \quad \begin{array}{r} 4.4 \\ 15 \end{array} \quad \begin{array}{r} 5.1 \\ 33 \end{array}$$

$$\begin{array}{r} 2.4 \\ 33 \end{array} \quad \begin{array}{r} 3.5 \\ 15 \end{array} \quad 3.0 \quad \begin{array}{r} 4.1 \\ 18 \end{array} \quad \begin{array}{r} 5.2 \\ 33 \end{array}$$

$$\begin{array}{r} 2.9 \\ 33 \end{array} \quad \begin{array}{r} 3.6 \\ 16 \end{array} \quad 4.4 \quad \begin{array}{r} 6.1 \\ 19 \end{array} \quad \begin{array}{r} 7.7 \\ 28 \end{array} \quad \begin{array}{r} 11.4 \\ 33 \end{array}$$

$$\begin{array}{r} 7.8 \\ 33 \end{array} \quad \begin{array}{r} 8.5 \\ 19 \end{array} \quad 8.4 \quad \begin{array}{r} 9.3 \\ 15 \end{array} \quad \begin{array}{r} 10.4 \\ 28 \end{array} \quad \begin{array}{r} 11.5 \\ 33 \end{array}$$

$$\begin{array}{r} 4.4 \\ 33 \end{array} \quad \begin{array}{r} 3.2 \\ 11 \end{array} \quad 2.9 \quad \begin{array}{r} 4.0 \\ 17 \end{array} \quad \begin{array}{r} 5.2 \\ 33 \end{array}$$

$$\begin{array}{r} 10.4 \\ 33 \end{array} \quad \begin{array}{r} 10.2 \\ 15 \end{array} \quad 9.4 \quad \begin{array}{r} 9.4 \\ 17 \end{array} \quad \begin{array}{r} 9.7 \\ 33 \end{array}$$

Sta. + H.I. - Ref Elev.

869.12

+85

+87

12.20

+90

14.80

1.4 +00

18.20

14 +31

12.20

14 +37

+47

+51² Edge of Gutter.

+67⁶⁵

5.94

+75

5.94

15

5.95

+50

5.86

16

5.60

+50

5.45

17

5.35

B.M.

5.52 863.60 863.60

9-6-27

10.4	10.8	10.6	10.7
53	18	16	33

Top of Water 9-6-27

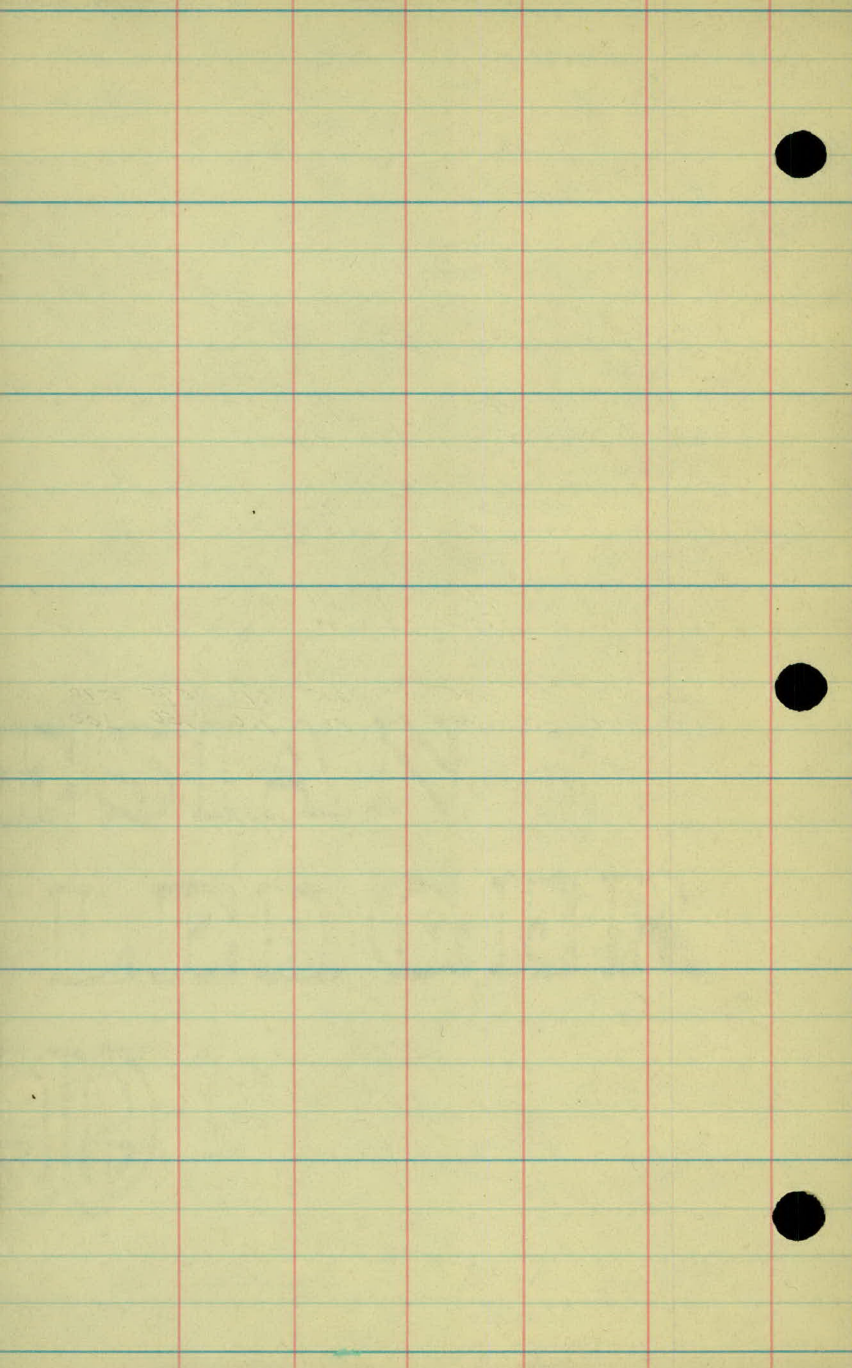
12.2		12.2
53	12.2	33

8.4	8.1	7.7	7.7
53	27	14	33

6.0	6.1	6.2	6.2
33	20	16	33

6.2		6.1
33	6.2	33

6.20	6.20	6.15	6.05	6.15	6.13	5.95	5.90
200	150	100	50	50	100	150	200



Rd 7/2 # 95.

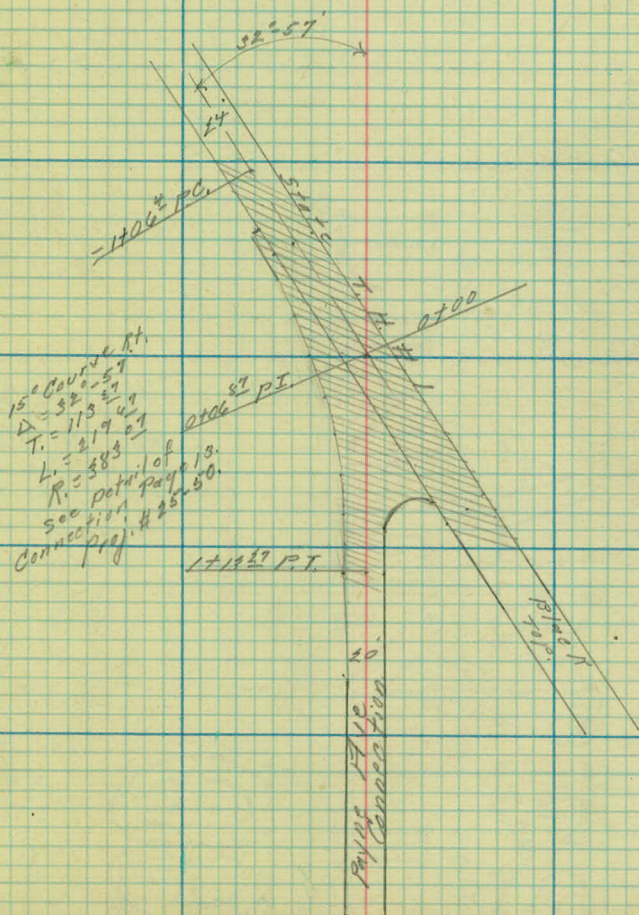
Art. Topog.

3+00

2+00

1+00

0+00



8+00

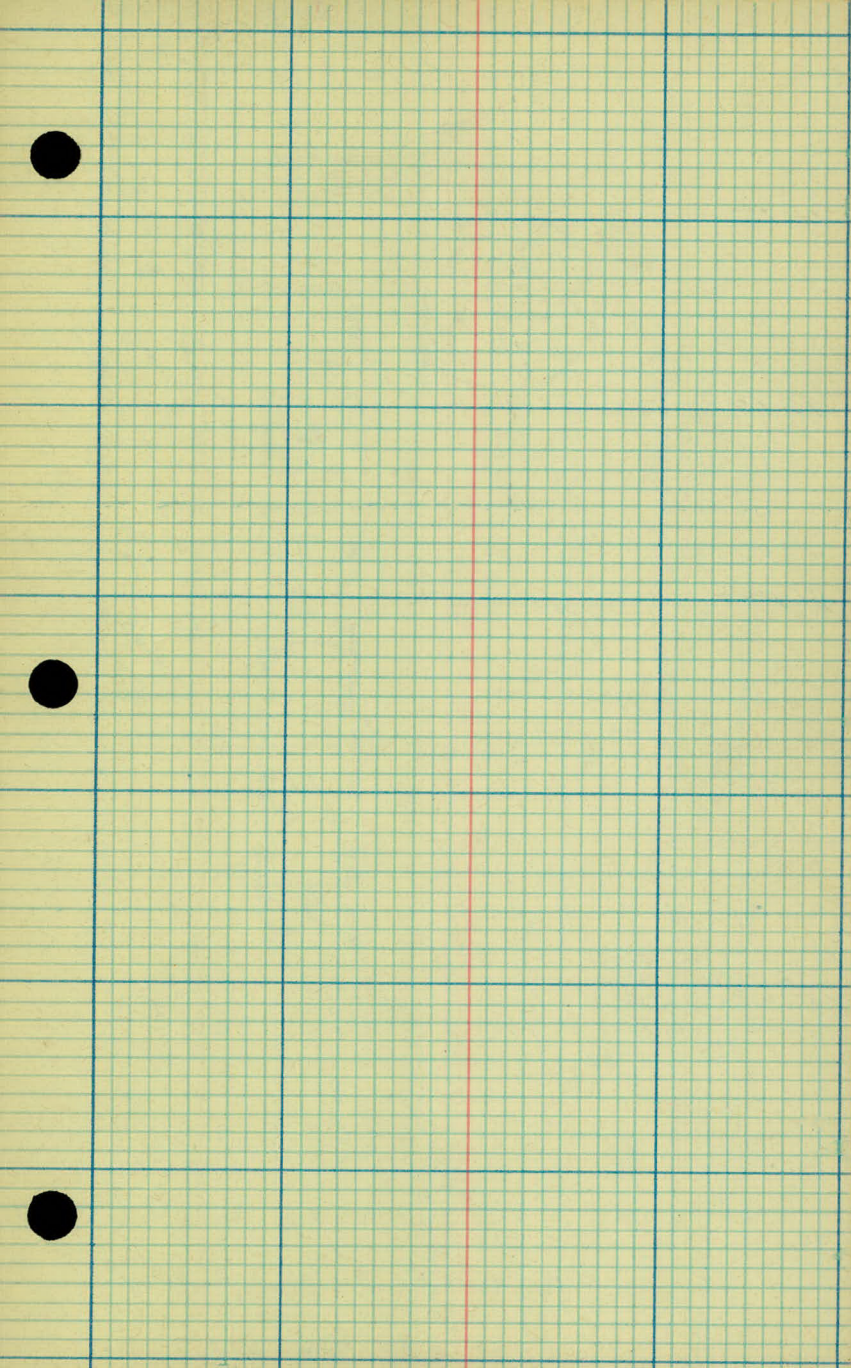
7+00

6+00

5+00

4+00

3+00



13+00

12+00

11+00

10+00

9+00

8+00