

Book-12- Dr. 6

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

P.M.A. PLAN Survey

LAKE STREET

From Co. Rd. "A" To Frost Ave.

Road Acc't. No. 81

Date Filed.....

File 12-6

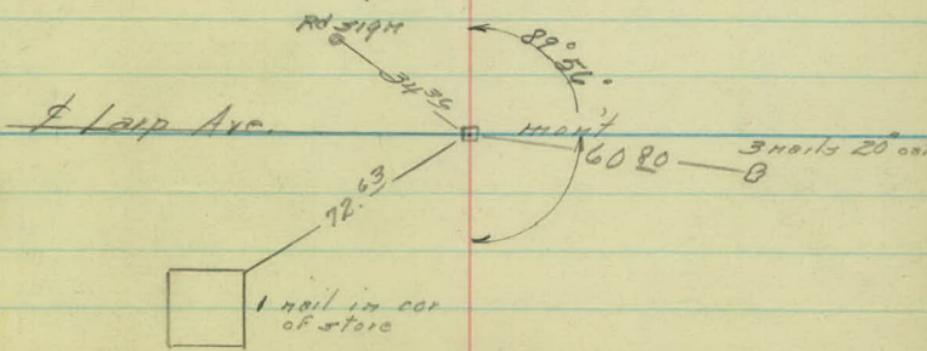
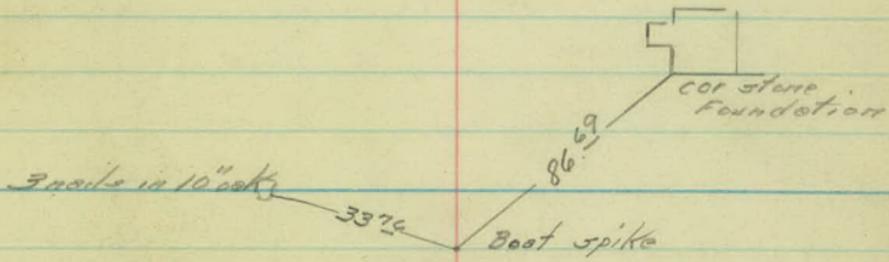
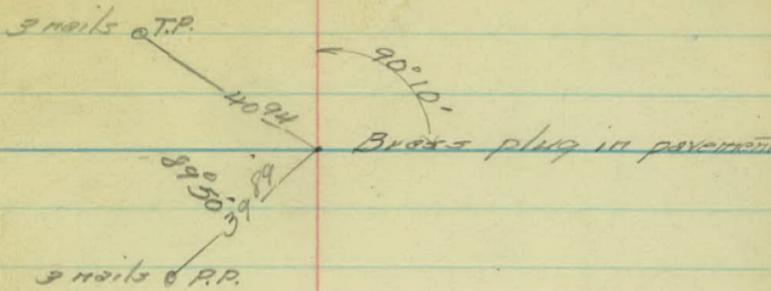
LAKE ST.

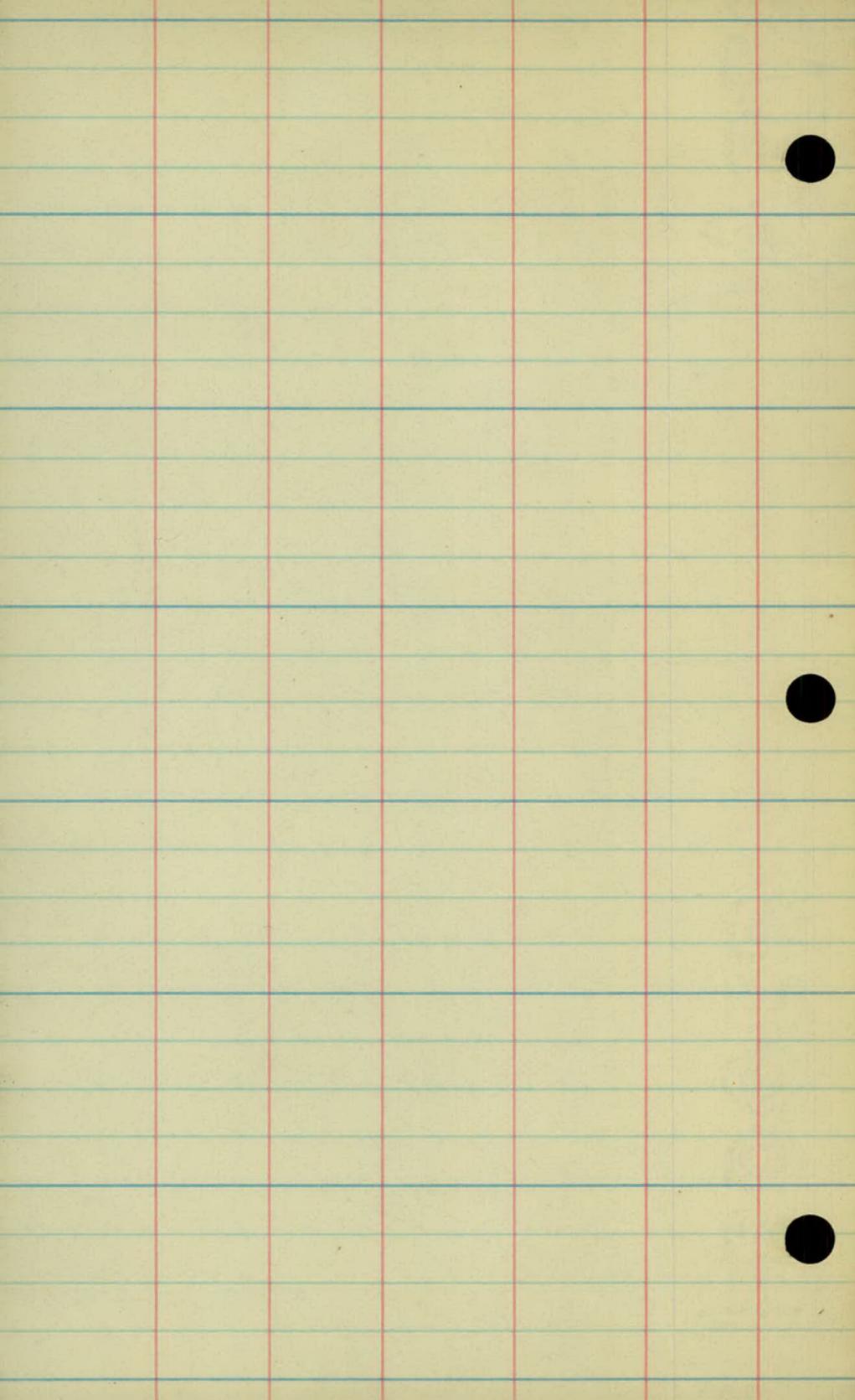
33-81

26-39¹²

8-67⁰⁵ P.O.T.

0+00





33-81

Topography

9-14-33

3

2

X

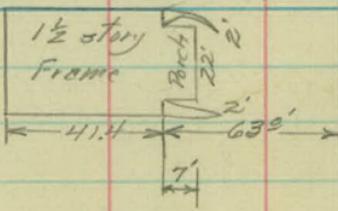
2-3' tracks with 2' grass bot.

concrete

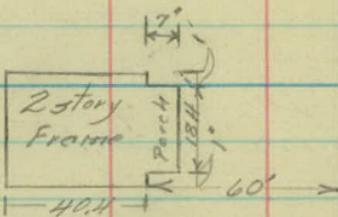
35'

concrete

1+97



1+64



0+84

1+00

+ 96 PP 24' Rd 15
+ 84 4" locust 36'
+ 84 5" elm 34'
+ 78 4" locust 32'
+ 60 curb cult 40' begin yard

Cult 10' edge Rd 3

edge rd 14

Cultivated

edge cult 14'
edge rd 3'

+ 70 PP 24'
+ 39 4" elm 36'
+ 21 4" elm 36'
+ 03 begin cult 40'
edge Rd 13'

edge cult 14'
edge Rd 5'

Yard

+ 97 E conc driv 35'
+ 95 12' x 20' C15 19'
+ 90 curb curb 21.5
+ 89 4" elm 36'
+ 75 10" x 4" vit 19' (42 walk)
+ 75 4" sidewalk 21.5 (42 walk)
+ 68 5" elm 36'
+ 64 JE cor 1 1/2 story frame 63'
+ 40 PP 24'
+ 39 Begin 3" x 15" curb 21.5
+ 37 26" elm 34'
+ 32 Driv 12' x 16' C17 20'
+ 22 18" elm 34'
edge rd 17

Cultivated
(Truck garden)

edge cult 13'
edge rd 6'

Yard

+ 87 12" locust 34'
+ 86 5" cor 2 story frame 10'
+ 81 2' sidewalk 32'
+ 81 12" x 4" vit 19'
+ 75 12' sidewalk 34'
+ 62 15" elm 30'

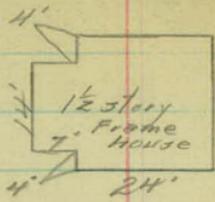
Yard

XXX X X
+ 36 curb fence 30'
+ 26 Rd sign 29'
+ 25 PP 26'

+ 23 Begin cult 14.13'
+ 26 Rd sign 34'
+ 24 PP 45'

9435 (S.W. cor.)

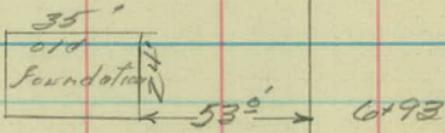
9



8

L

7



6

5

4

+ 79 8" stump 26'
+ 71 6" oak 24'
+ 65 10" oak 30'
+ 66 10" oak 31'
+ 53 10" oak 30'
+ 37 pp 25'
+ 34 12" oak 31'
+ 07 10" oak 30'
edge rd 10'

+ 95 10" oak 24'
+ 80 4" oak 29'
+ 64 Poi. drive
+ 57 4" elm 29'
+ 51 2" side walk 19'
+ 41 4" elm 28'
+ 35 SW car base 54'
+ 22 begin yard
+ 22 end garden 20'
edge rd 8'

+ 82 10" oak 30'

+ 24 6" oak 29'
+ 19 12" stump 31'
+ 02 pp 24'
edge rd 13'
+ 97 8" oak 31'

+ 15 4" oak 16'
edge rd 5'

+ 30 begin hay field
+ 49 6" oak 29'
+ 35 8" oak 30'
+ 08 10" oak 30'
edge rd 15"

0 0 0 + 53 end orchard 30'
0 0 0
0 0 0
0 0 0
0 0 0 edge rd. 4"

+ 93 SE cor. old foundation 53'
+ 71 12" stump 31'
+ 68 pp 24'
+ 57 8" wo 28

90° + 90 begin orchard 30'
+ 70 Poi. drive
+ 62 end cult.

+ 24 12" wo 28
edge rd 15'
+ 96 end yard begin cult. 31'

edge cult. 11.5
edge rd 2.5

+ 93 pp 24'
+ 25 Poi. drive
+ 20 end cult. begin yard
edge rd 14.5

edge cult. 12.5
edge rd 3"

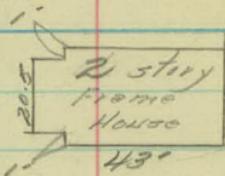
+ 52 begin cult. 29' end yard

+ 34 Poi. drive
+ 10 Apple tree 46'

\$

+22 \$ Piggy Ave
13

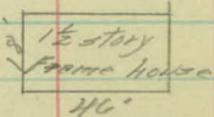
12-51



12

11

10+20 SW cor



10

+ 60 begin waste land
+ 58 PP 25'

+ 63 TP 25'
+ 50 begin garden 32'

+ 52 E Ripley Ave (15' Rd.)

+ 97 end bay field
+ 97 T.P. 24'

+ 14 PP 25'
edge rd 6'

+ 94 Rd right 24.5'
+ 94 end bridge 24.5'
+ 87 6" map b 42'
+ 86 15" clm 26'
+ 59 15" clm 26'
+ 51 SW cor fence 63'

+ 30 end garden 29'
+ 19 4" clm 26'
edge rd 13'

+ 69 begin garden 29'
+ 69 cor back yard fence
+ 66 TP 26'
+ 54 12" oak 50'
+ 49 15" clm 26'
+ 43 15" stomp 45'
+ 38 cor back yard fence 27'
+ 38 end garden 25'

edge rd 6'

+ 75 PP 24'
+ 64 Twin 8" oak 31'

Hoy Field

edge rd 13'
+ 90 begin garden 25'
+ 90 end yard
+ 78 Pritchard 12" x 20' CM 119

+ 15 12" oak 30'
edge rd 75'

+ 26 SW cor fence 41'
+ 09 PP 26'
edge rd 12"

19

18

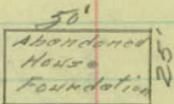
17

16

15

14

\$



14 - 13 J. E. CO.

Fence 34 edge Rd 10

* * * *

edge Rd 9

+84 SE cor barn 48'

Gutter rd

* * * *

edge rd 9'

Fence 34'

*

+77 Fence cor 35' *

+48 L side rd (60'rd)

+18 end Fence 33
+06 end garden
edge rd. 9

* * * *

Garden

edge rd 9'
+85 Fence cor 33'
+82 PP 26

* * *

+43 SE cor old foundation 47'

+28 12" tree 27

edge rd 9'

edge Rd 8

+58 TP 26

edge Rd 9

+43 TP 26

edge rd 9'

+65 begin waste
+65 end garden

edge rd 9
+98 TP 25

tract Garden

edge rd 10'
+83 TP 25

+23 10" oak 25'

edge rd 9'

25

24

23

22

21

20

edge Rd 15'

edge Rd 15'

+ 50-15" poplars 45"

+ 21-6" poplars 18"

edge Rd 10

edge Rd 9

edge Rd 9

Fence 34 edge Rd 10

Guthrie Ward



edge Rd 4'

edge Rd 6'

edge Rd 7

Worste land

edge Rd 9

edge Rd 10

edge Rd 8'

+39¹³ End Proj
+29¹³ To edge Frost Ave

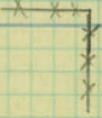
26

Beaton
Wilke
Topley
Staudman

20' corr. pavement + 16 - 12" x 40' CM X drain

+ 0.9 P.P. 27"

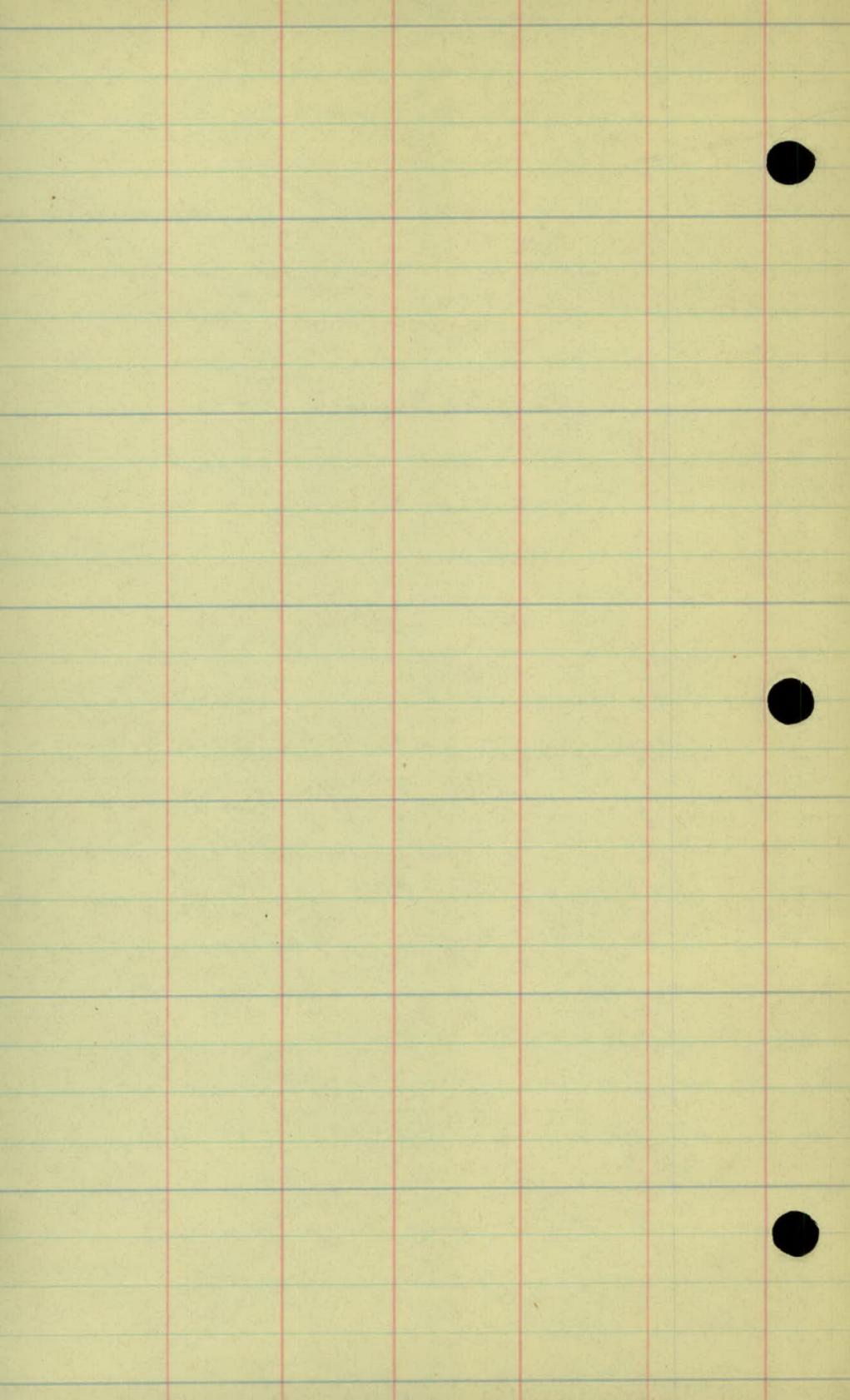
+ 0.6 Fence cor 33°



+ 24 Warning blinker 33

+ 16 Stop sign 14.5

+ 13 Rd sign 18



33-81

Track Topography on
spurs to Gothic Crst
Co Shaps

21-15² To rail spur to Guthrie shop

20-10⁵ To rail spur to Guthrie shop

19+88⁷⁰ To rail spur to Guthrie shop

19+65¹⁵ To rail spur to Guthrie shop

19

18+91¹⁰ To rail spur to Guthrie shop

18

11 deflections to 50 rail

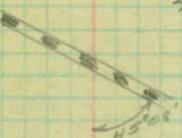
$134^{\circ}03'$ at 25'
 $133^{\circ}38'$ at 50'
 $132^{\circ}47'$ at 75'

$43^{\circ}07'$ at 25'
 $41^{\circ}27'$ at 50'
 $39^{\circ}50'$ at 75'



deflections to 50 rail

$45^{\circ}08'$ def to tangent



deflections to 50 rail
 $112^{\circ}40'$ at 25'
 $110^{\circ}42'$ at 50'
 $109^{\circ}10'$ at 75'

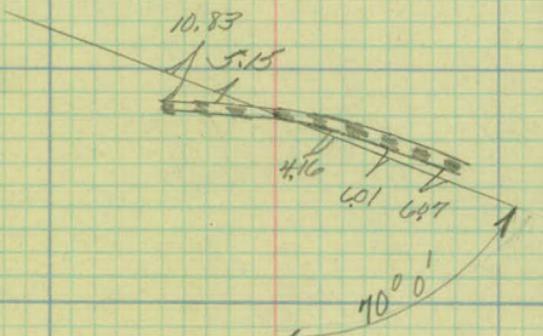
$62^{\circ}10'$ at 25'
 $59^{\circ}44'$ at 50'
 $57^{\circ}25'$ at 75'

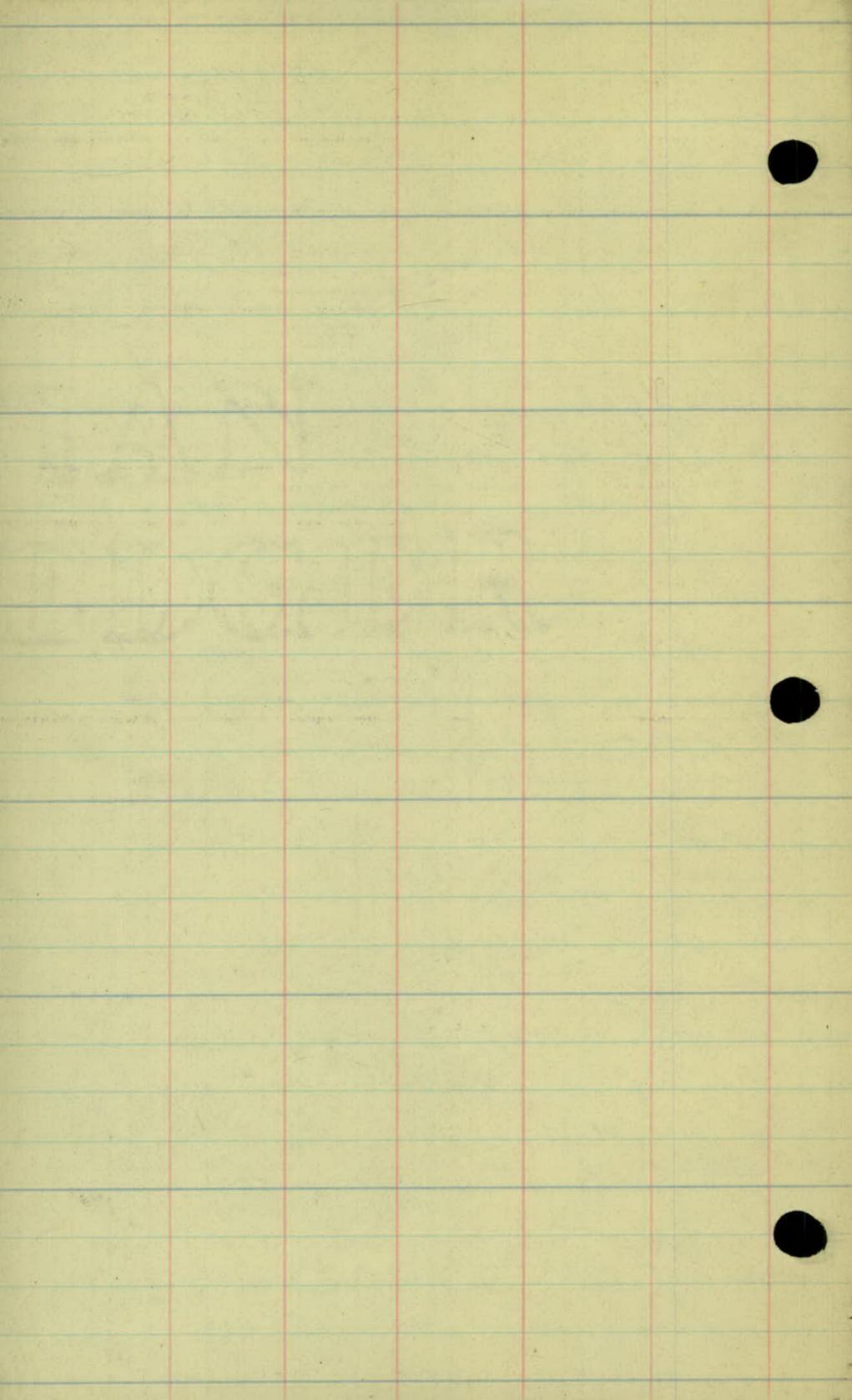


deflections to 50 Rail

$112^{\circ}09'$ at 25'
 $110^{\circ}43'$ at 50'
 $109^{\circ}08'$ at 75'

$44^{\circ}43'$ at 25'
 $43^{\circ}06'$ at 50'
 $41^{\circ}30'$ at 75'





~~Cross Sections~~
Proj 33-81

LAKE ST.

BN.	1.70	890.58	✓	888.88	
+100				86.1	✓
+15				85.8	✓
+21				85.8	✓
+50				85.6	✓
1				85.5	✓
+50				85.6	✓
2				85.7	✓
+50				86.0	✓
3				86.4	✓
+50				86.8	✓
T.P.	10.14	900.04	0.70	889.88	✓
4				87.4	✓
+50				88.3	✓

Left

Right

9-14-33

Mike
Steinman
Topley
Benton

6.4 4.9 4.8 5.0 4.5 3.6 3.7
5.0 7.3 4.5 3.0 3.5 3.0 3.3 5.0

7.5 6.6 4.8 5.1 5.5
5.0 3.4 8 4.8 1.7 5.0

3.7 4.3 6.1 6.3 5.0 5.5
5.0 3.4 3.0 3.1 4.8 1.9 5.0

3.8 4.3 5.3 5.0 6.4 6.1 5.6 5.1 5.6 5.6
5.0 3.3 3.0 2.1 2.0 1.5 1.3 5.0 1.3 1.4 5.0

4.1 4.4 5.7 6.0 6.5 6.0 5.4 5.2 6.0 5.3 1
5.0 3.4 3.0 3.0 1.9 1.8 1.4 5.1 1.2 1.9 5.0

4.9 5.3 6.5 6.3 5.3 5.2 4.6 5.0 4.5
5.0 5.2 3.1 1.8 1.7 5.0 7 11 13 5.0

5.4 5.3 5.7 5.9 5.3 4.8 5.3 4.0 4.6 4.6
5.0 2.4 2.3 1.9 1.7 4 4.9 7 12 14 5.0

5.9 4.9 5.3 4.8 4.5 4.6 5.1 5.3
5.0 2.5 2.0 1.6 1 7 4.6 13 14 5.0

4.6 3.9 4.4 4.1 4.4 4.8 4.3 4.0 4.6 5.4
5.0 2.4 3.2 2.7 4.2 6 7 11 10 5.0

3.9 3.5 3.8 3.7 4.2 4.4 4.1 5.1
5.0 3.4 1.6 6 3.8 5 6 13 5.0

11.6 11.5 13.0 12.5 12.8 12.3 13.8 13.1 13.7
5.0 2.8 1.9 7 12.6 5 11 14 3.3 5.0

11.5 11.6 12.1 12.0 11.5 11.9 12.4 13.3 13.4
5.0 2.8 3.5 1.9 6 11.7 3 13 4.3 5.0

	900.04	
5		88.9 ✓
+50		90.0 ✓
6		91.2 ✓
+50		92.4 ✓
7		94.1 ✓
+50		96.1 ✓
8		98.2 ✓
TP	3.70 902.83	0.91 899.13
+50		99.1 ✓
9		98.6 ✓
+50		98.2 ✓
10		97.8 ✓
+50		97.6 ✓
11		97.8 ✓

10-14

8

Right

$$\begin{array}{cccc} 11.0 & 11.2 & 10.9 \\ \hline 50 & 38 & 8 \end{array} \quad \begin{array}{cccc} 11.1 & 11.5 & 10.7 & 11.3 \\ \hline 3 & 5 & 9 & 18 \end{array} \quad \begin{array}{ccccc} 11.1 & 11.1 & 11.6 \\ 30 & 30 & 50 \end{array}$$

$$\begin{array}{cccc} 10.3 & 9.7 & 10.3 & 9.8 \\ \hline 50 & 34 & 20 & 8 \end{array} \quad \begin{array}{cccc} 10.0 & 9.6 & 10.2 & 10.3 \\ \hline 5 & 8 & 18 & 29 \end{array} \quad \begin{array}{ccccc} 10.7 \\ 50 \end{array}$$

$$\begin{array}{cccc} 10.4 & 9.2 & 10.0 & 10.0 \\ \hline 50 & 31 & 27 & 21 \end{array} \quad \begin{array}{cccc} 8.7 & 9.5 \\ 17 & 7 \end{array} \quad \begin{array}{cccc} 8.8 & 9.2 & 8.6 & 9.3 \\ 4 & 6 & 9 & 13 \end{array} \quad \begin{array}{ccccc} 8.8 & 9.0 \\ 28 & 50 \end{array}$$

$$\begin{array}{cccc} 8.1 & 7.4 & 8.1 & 8.7 \\ \hline 50 & 33 & 25 & 23 \end{array} \quad \begin{array}{cccc} 8.4 & 7.6 & 7.4 & 7.4 \\ 20 & 14 & 7 & 7 \end{array} \quad \begin{array}{cccc} 7.6 & 8.1 & 7.3 & 7.0 \\ 10 & 13 & 16 & 50 \end{array}$$

$$\begin{array}{cccc} 4.1 & 4.4 & 4.9 & 5.1 \\ \hline 50 & 34 & 25 & 22 \end{array} \quad \begin{array}{cccc} 6.6 & 6.6 & 6.0 & 5.7 \\ 20 & 15 & 15 & 6 \end{array} \quad \begin{array}{cccc} 6.0 & 5.1 & 5.9 & 5.6 \\ 5 & 8 & 11 & 34 \end{array} \quad \begin{array}{ccccc} 5.5 \\ 50 \end{array}$$

$$\begin{array}{cccc} 4.5 & 4.3 & 3.3 & 3.1 \\ \hline 50 & 34 & 32 & 34 \end{array} \quad \begin{array}{cccc} 4.1 & 3.7 \\ 18 & 6 \end{array} \quad \begin{array}{cccc} 4.0 & 3.6 & 3.9 & 3.0 \\ 39 & 4 & 5 & 26 \end{array} \quad \begin{array}{ccccc} 3.0 \\ 50 \end{array}$$

$$\begin{array}{cc} 3.9 & 3.0 \\ \hline 50 & 35 \end{array}$$

$$\begin{array}{cccc} 2.3 & 2.4 & 3.2 & 3.1 \\ \hline 32 & 22 & 20 & 17 \end{array} \quad \begin{array}{cccc} 2.3 & 1.9 \\ 15 & 6 \end{array} \quad \begin{array}{cccc} 2.0 & 2.1 & 3.9 \\ 1.8 & 5 & 25 & 30 \end{array}$$

$$\begin{array}{cccc} 6.8 & 5.3 & 5.6 & 4.9 \\ \hline 50 & 28 & 19 & 12 \end{array} \quad \begin{array}{cccc} 5 & 3.7 & 4.8 \\ 5 & 3.7 & 16 & 50 \end{array}$$

$$\begin{array}{cccc} 6.4 & 6.1 & 5.4 & 5.2 \\ \hline 50 & 34 & 33 & 25 \end{array} \quad \begin{array}{cccc} 6.0 & 5.5 & 5.0 \\ 22 & 15 & 13 \end{array} \quad \begin{array}{cccc} 4.2 & 4.3 & 4.0 & 3.9 \\ 11 & 11 & 16 & 50 \end{array}$$

$$\begin{array}{cccc} 7.0 & 6.4 & 5.8 & 5.5 \\ \hline 50 & 35 & 29 & 12 \end{array} \quad \begin{array}{cccc} 5.0 & 4.5 & 4.0 & 3.8 \\ 9 & 4 & 19 & 21 \end{array} \quad \begin{array}{ccccc} 5.0 \\ 50 \end{array}$$

$$\begin{array}{cccc} 7.6 & 7.4 & 6.6 & 6.0 \\ \hline 50 & 34 & 33 & 25 \end{array} \quad \begin{array}{cccc} 6.9 & 7.0 & 6.9 & 7.0 \\ 22 & 18 & 14 & 11 \end{array} \quad \begin{array}{cccc} 5.3 & 4.3 & 3.9 \\ 7 & 7 & 5.0 \end{array} \quad \begin{array}{ccccc} 5.3 & 4.3 & 3.9 \\ 19 & 19 & 32 & 30 \end{array}$$

$$\begin{array}{cccc} 7.3 & 7.6 & 6.6 & 6.3 \\ \hline 50 & 37 & 39 & 26 \end{array} \quad \begin{array}{cccc} 6.9 & 6.9 & 6.9 & 7.0 \\ 24 & 18 & 14 & 16 \end{array} \quad \begin{array}{cccc} 6.4 & 6.4 & 5.4 & 5.4 \\ 7 & 7 & 5.2 & 5 \end{array} \quad \begin{array}{cccc} 5.1 & 5.0 & 5.9 & 5.8 \\ 14 & 14 & 16 & 22 \end{array} \quad \begin{array}{ccccc} 5.9 & 5.9 & 4.9 & 4.9 \\ 26 & 30 & 50 & 50 \end{array}$$

$$\begin{array}{cccc} 6.9 & 7.5 & 6.9 & 6.8 \\ \hline 50 & 35 & 33 & 34 \end{array} \quad \begin{array}{cccc} 7.2 & 6.6 & 5.3 \\ 15 & 14 & 4 \end{array} \quad \begin{array}{cccc} 5.0 & 5.4 & 6.0 & 6.1 \\ 5 & 5 & 13 & 16 \end{array} \quad \begin{array}{ccccc} 5.0 & 5.4 & 6.0 & 6.1 \\ 50 & 50 & 50 & 50 \end{array}$$

	902.80		
11 + 50		98.0	✓
12		98.6	✓
+ 50		99.7	✓
+ 94		99.1	✓
13	4.96 903.80	3.99 898.84	✓
+ 23 £ Ripley Arc (travelled rd.)		99.1	✓
+ 41		98.9	✓
+ 47		98.8	✓
14		98.6	✓
+ 19		98.7	✓
+ 43		98.7	✓
BM.	903.78	4.88 898.92	898.90
15		98.4	✓
+ 50		98.5	✓

Left

2

Right

5.5 6.0 6.9 5.0
5.0 25 18 7

4.8 5.1 6.1 6.3 5.7 5.8
5 13 16 22 24 50

3.4 3.7 2.6 4.4 5.2 4.6
5.0 35 30 18 14 9

4.3 4.0 4.6 4.4 3.2 3.4
4.2 13 17 20 23 50

3.6 3.5 2.5 2.7 3.4 4.4 3.7
5.0 34 32 24 18 15 11

3.0 3.0 3.5 2.6 3.0
3.1 5 16 22 25 50

3.9 3.7 3.0 3.2 4.2 4.4
5.0 31 50 25 21 16

4.2 3.7 3.8
3.7 22 24 50

6.0 5.2 5.6 5.2
5.0 29 27 18

4.6 5.1 6.0
4.7 13 27 50

4.5 4.6
5.0 24 4.9

4.8 4.8
3.7 50

6.9 6.2 5.4
5.0 31 27

5.6 6.5 6.7
5.0 20 28 50

4.4 4.9 3.7 5.3
5.0 38 21 17

5.5 6.1 5.7 5.9
5.0 14 21 25 50

6.8 6.7 5.9 6.3 5.5
5.0 21 14 13 9

5.4 6.3 6.3 4.7 5.6
5.0 13 15 22 28 50

7.9 6.7 6.0 6.3 5.5
5.0 21 16 13 9

5.2 6.4 6.4 4.5 5.3
5.1 11 15 21 29 50

5.7 6.7 6.1 6.1 5.4
5.0 20 17 12 10

5.3 6.4 6.3 4.2 4.8
5.1 11 15 20 28 50

6.9 6.4 5.7 6.5 6.5 5.6
5.0 37 31 30 15 10

5.7 6.5 6.5 4.2 3.2 3.9
5.4 11 16 23 26 28 50

4.7 5.2 4.7 6.3 6.4 5.6
5.0 36 31 29 14 11

5.6 6.5 5.9 2.3 2.3
5.3 11 15 23 26 50

	903.78	
16		98.5 ✓
+18		98.4 ✓
+45		98.3 ✓
+53		98.3 ✓
+68		98.4 ✓
+78		98.4 ✓
17		98.2 ✓
+50		98.1 ✓
18	5.07 903.40	5.45 898.33 ✓
		98.0 ✓
+50		98.0 ✓
+91 ¹⁰ Elcr Jo. rail		97.85 ✓
19		98.0 ✓
+50		98.4 ✓
	5.43	897.97 ✓

Left

\$

Right

<u>5.2</u>	<u>5.6</u>	<u>6.6</u>	<u>6.5</u>	<u>5.8</u>	<u>5.6</u>	<u>6.7</u>	<u>6.6</u>	<u>3.4</u>	<u>3.9</u>	<u>3.9</u>	
<u>50</u>	<u>31</u>	<u>29</u>	<u>14</u>	<u>11</u>	<u>5.3</u>	<u>11</u>	<u>14</u>	<u>22</u>	<u>35</u>	<u>29</u>	<u>50</u>

<u>5.8</u>	<u>5.6</u>	<u>6.3</u>	<u>5.3</u>	<u>5.8</u>	<u>5.6</u>	<u>6.7</u>	<u>6.7</u>	<u>3.0</u>	<u>3.4</u>	
<u>50</u>	<u>32</u>	<u>31</u>	<u>23</u>	<u>14</u>	<u>5.4</u>	<u>10</u>	<u>15</u>	<u>23</u>	<u>27</u>	<u>50</u>

<u>5.7</u>	<u>5.8</u>	<u>5.5</u>	<u>5.7</u>	<u>5.7</u>	<u>6.9</u>	<u>6.7</u>	<u>3.5</u>	<u>3.9</u>
<u>50</u>	<u>37</u>	<u>15</u>	<u>5.5</u>	<u>11</u>	<u>15</u>	<u>23</u>	<u>27</u>	<u>50</u>

<u>7.4</u>	<u>7.0</u>	<u>6.1</u>	<u>5.7</u>	<u>5.8</u>	<u>6.8</u>	<u>6.8</u>	<u>3.7</u>	<u>3.8</u>	
<u>50</u>	<u>37</u>	<u>22</u>	<u>8</u>	<u>5.5</u>	<u>11</u>	<u>14</u>	<u>22</u>	<u>26</u>	<u>50</u>

<u>7.4</u>	<u>7.1</u>	<u>6.6</u>	<u>5.9</u>	<u>5.6</u>	<u>6.8</u>	<u>6.9</u>	<u>4.5</u>	<u>3.5</u>	
<u>50</u>	<u>29</u>	<u>14</u>	<u>10</u>	<u>5.4</u>	<u>10</u>	<u>14</u>	<u>21</u>	<u>26</u>	<u>50</u>

<u>7.4</u>	<u>7.0</u>	<u>6.8</u>	<u>5.8</u>	<u>5.7</u>	<u>7.1</u>	<u>6.9</u>	<u>6.6</u>	
<u>50</u>	<u>30</u>	<u>14</u>	<u>10</u>	<u>5.4</u>	<u>10</u>	<u>14</u>	<u>24</u>	<u>50</u>

<u>7.4</u>	<u>7.0</u>	<u>7.1</u>	<u>5.8</u>	<u>5.9</u>	<u>7.5</u>	<u>7.2</u>	<u>7.5</u>	
<u>50</u>	<u>39</u>	<u>13</u>	<u>9</u>	<u>5.6</u>	<u>11</u>	<u>16</u>	<u>20</u>	<u>50</u>

<u>7.3</u>	<u>7.1</u>	<u>7.4</u>	<u>6.0</u>	<u>6.0</u>	<u>7.2</u>	<u>7.4</u>	<u>7.9</u>	
<u>50</u>	<u>26</u>	<u>14</u>	<u>10</u>	<u>5.7</u>	<u>12</u>	<u>15</u>	<u>35</u>	<u>50</u>

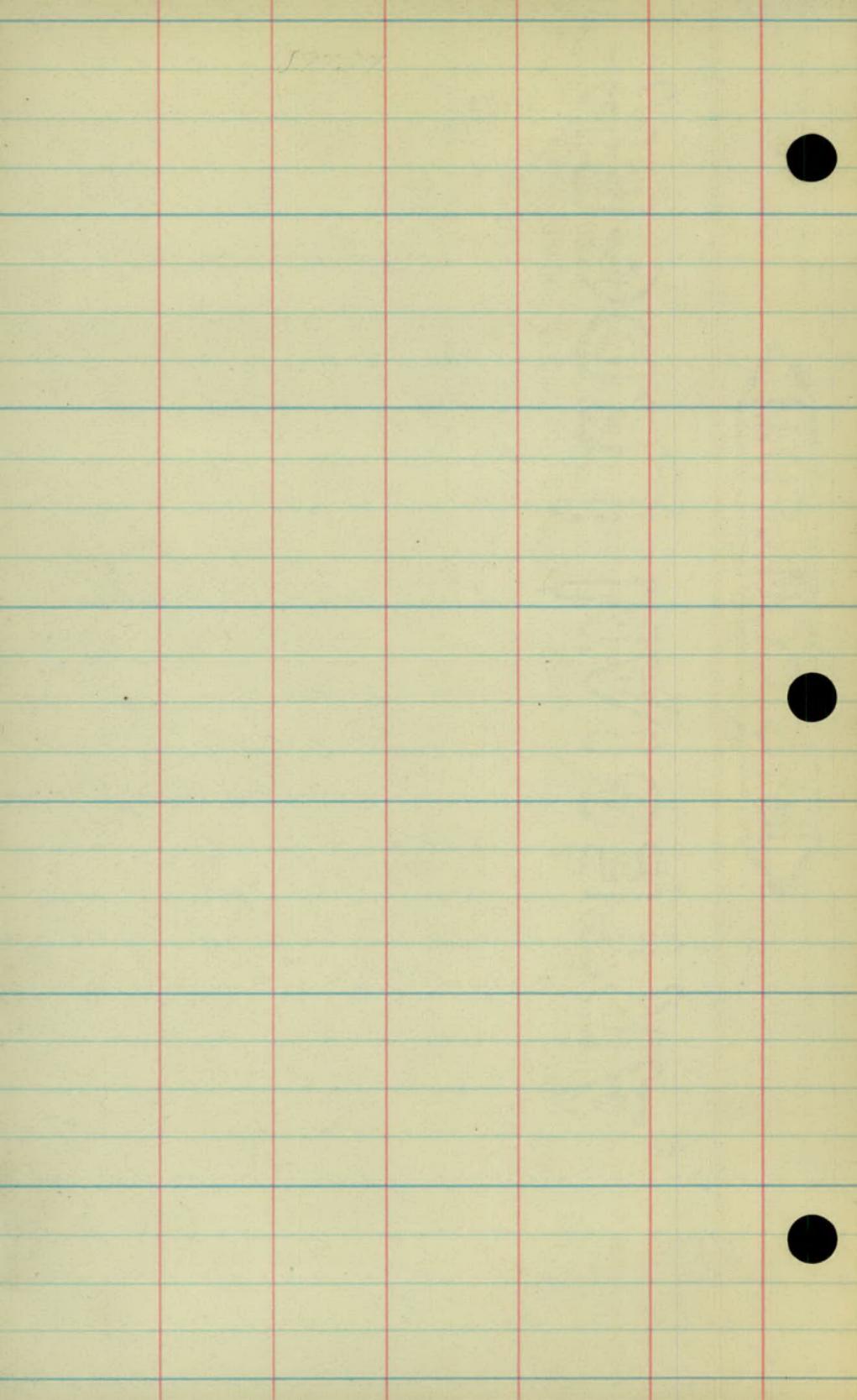
<u>6.9</u>	<u>6.6</u>	<u>6.0</u>	<u>5.8</u>	<u>5.6</u>	<u>6.7</u>	<u>6.2</u>	<u>6.6</u>	<u>6.5</u>	
<u>50</u>	<u>34</u>	<u>23</u>	<u>9</u>	<u>5.4</u>	<u>13</u>	<u>15</u>	<u>20</u>	<u>36</u>	<u>50</u>

<u>7.0</u>	<u>6.7</u>	<u>6.8</u>	<u>5.8</u>	<u>5.8</u>	<u>6.8</u>	<u>6.7</u>	
<u>50</u>	<u>34</u>	<u>15</u>	<u>12</u>	<u>5.4</u>	<u>11</u>	<u>13</u>	<u>50</u>

5.55

<u>6.3</u>	<u>5.5</u>	<u>5.5</u>	<u>5.5</u>	<u>5.3</u>	<u>6.1</u>	<u>6.2</u>
<u>50</u>	<u>34</u>	<u>11</u>	<u>5.4</u>	<u>13</u>	<u>15</u>	<u>50</u>

<u>6.7</u>	<u>6.4</u>	<u>5.9</u>	<u>5.2</u>	<u>5.1</u>	<u>6.1</u>	<u>5.9</u>	<u>5.5</u>	<u>5.4</u>	
<u>50</u>	<u>34</u>	<u>14</u>	<u>11</u>	<u>5.0</u>	<u>10</u>	<u>14</u>	<u>14</u>	<u>18</u>	<u>50</u>



T.P.	6.35	90432	5.43	897.97	
1916515	Top	To rail	spur	To Gathrie	98.3 ✓
1918370	top	To rail	-	98.27	"
20				98.0	✓
40 ⁵⁰	Top	To rail	spur	To Gathrie	98.1 ✓
150				97.7	✓
21				97.9	✓
+15 ²⁰	Top	To rail	spur	To Gathrie	98.01 ✓
+50				98.4	✓
22				98.8	✓
+50				99.1	✓
23				99.2	✓
+50				98.9	✓
24				98.2	✓
+50				97.2	✓

Left Right

6.0

6.05

$\frac{76}{50} \frac{7.0}{39} \frac{6.4}{11} \frac{6.2}{6.3} \frac{6.8}{9} \frac{7.7}{28} \frac{7.7}{50}$

6.2

$\frac{7.7}{50} \frac{7.3}{39} \frac{6.4}{11} \frac{6.7}{6.6} \frac{7.2}{12} \frac{7.5}{28} \frac{7.5}{50}$

$\frac{7.8}{50} \frac{7.5}{33} \frac{7.5}{32} \frac{7.8}{15} \frac{6.5}{11} \frac{6.4}{6.4} \frac{7.0}{11} \frac{7.7}{24} \frac{7.2}{39} \frac{7.2}{50}$

6.31

$\frac{76}{50} \frac{6.5}{34} \frac{6.2}{11} \frac{5.9}{5.9} \frac{6.3}{12} \frac{7.0}{26} \frac{6.9}{50}$

$\frac{7.5}{50} \frac{7.3}{33} \frac{6.9}{14} \frac{6.0}{10} \frac{5.5}{5.5} \frac{5.8}{14} \frac{6.7}{29} \frac{6.9}{50}$

$\frac{7.0}{51} \frac{6.9}{38} \frac{6.9}{15} \frac{5.5}{11} \frac{5.2}{5.2} \frac{5.3}{8} \frac{5.1}{9} \frac{6.5}{15} \frac{7.1}{50}$

$\frac{7.4}{50} \frac{6.9}{39} \frac{6.6}{21} \frac{7.1}{17} \frac{5.5}{14} \frac{5.1}{5.1} \frac{5.3}{9} \frac{6.7}{15} \frac{6.9}{34} \frac{8.1}{50}$

$\frac{7.0}{50} \frac{7.9}{33} \frac{6.7}{15} \frac{6.0}{13} \frac{5.4}{5.4} \frac{5.6}{8} \frac{6.9}{15} \frac{7.6}{39} \frac{9.0}{50}$

$\frac{7.7}{50} \frac{7.0}{33} \frac{7.0}{21} \frac{7.2}{17} \frac{6.4}{14} \frac{6.1}{6.1} \frac{6.3}{8} \frac{8.5}{19} \frac{10.8}{50}$

$\frac{7.8}{50} \frac{8.5}{33} \frac{8.6}{18} \frac{7.4}{14} \frac{7.1}{7.1} \frac{7.5}{7} \frac{8.8}{11} \frac{11.7}{50}$

904.32 ✓

25

96.6 ✓

+31

96.4 ✓

+65

96.3 ✓

26

96.0 ✓

+18

96.1 ✓

+23 To Shorlott Frost Ave 96.0 ✓

+39^{1/2} \$ Frost Ave (96.0 ✓
and proj)

BN

8.25 896.07 896.04 ✓

Left Right

$\frac{84}{50} \frac{84}{33} \frac{9.0}{14} \frac{8.1}{14}$ $\frac{8.0}{4} \frac{10.0}{11} \frac{10.4}{25} \frac{11.5}{50}$

$\frac{76}{50} \frac{8.4}{32} \frac{8.3}{14} \frac{7.9}{5}$ $\frac{81}{6} \frac{9.1}{10} \frac{10.4}{23} \frac{11.5}{50}$

$\frac{8.3}{50} \frac{8.5}{32} \frac{8.7}{14} \frac{8.1}{5}$ $\frac{8.5}{8.0} \frac{8.7}{4} \frac{8.8}{9} \frac{9.0}{29} \frac{8.0}{50}$

$\frac{8.4}{50} \frac{10.4}{44} \frac{9.4}{34} \frac{10.9}{32} \frac{10.0}{19} \frac{8.9}{14} \frac{8.2}{5}$ $\frac{8.7}{8.3} \frac{10.6}{4} \frac{11.4}{13} \frac{10.4}{29} \frac{10.4}{50}$

$\frac{11.0}{50} \frac{10.3}{25} \frac{9.0}{21} \frac{8.2}{7}$ $\frac{9.0}{8.2} \frac{10.4}{13} \frac{11.0}{19} \frac{10.4}{32} \frac{10.4}{50}$

$\frac{8.5}{50} \frac{8.9}{39} \frac{8.2}{13}$ $\frac{8.5}{8.3} \frac{8.0}{19} \frac{7.6}{37} \frac{7.6}{50}$

$\frac{8.8}{50} \frac{8.4}{25} \frac{8.0}{8.3} \frac{7.8}{25} \frac{7.8}{50}$

