

Book #8, Dr. 14

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Plan Survey

BALD EAGLE SEWER

From To

White Bear Lake

Road Acc't. No.

Date Filed 1933

File 14

33-WB 1

Alignment

B. E. Sewer.

A-Lt A-Rt

13+65.4 P.I. $89^{\circ}45'$

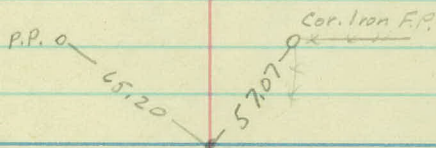
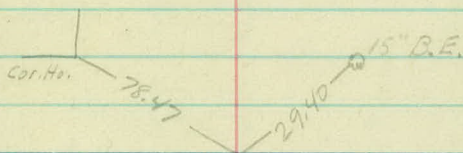
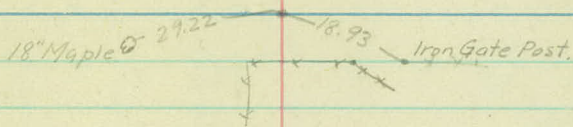
4+37.2 P.I. $89^{\circ}42'$

0+00

A.B.

D.S.

J.B.



A-Lt. A-Rt.

39+79.90 P.I. 38°30' N.H.

35+52.45 P.I. 90°36'

20+35.75 P.I. 0°01'

M.H.
P.P.O — 36.40 — 14.98 — 18" S.E.

Cor. Coal Office
— 23.20 —
36.42 — P.P.
B.M. Spk.

E. 5th St.

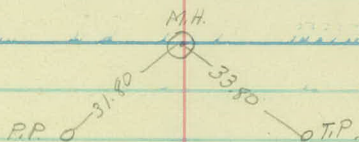
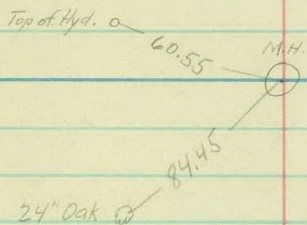
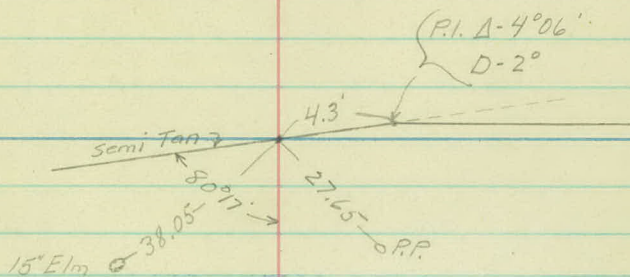
58.90 — 10" B.E.
15.0 — Mont.
43.0 — P.P.

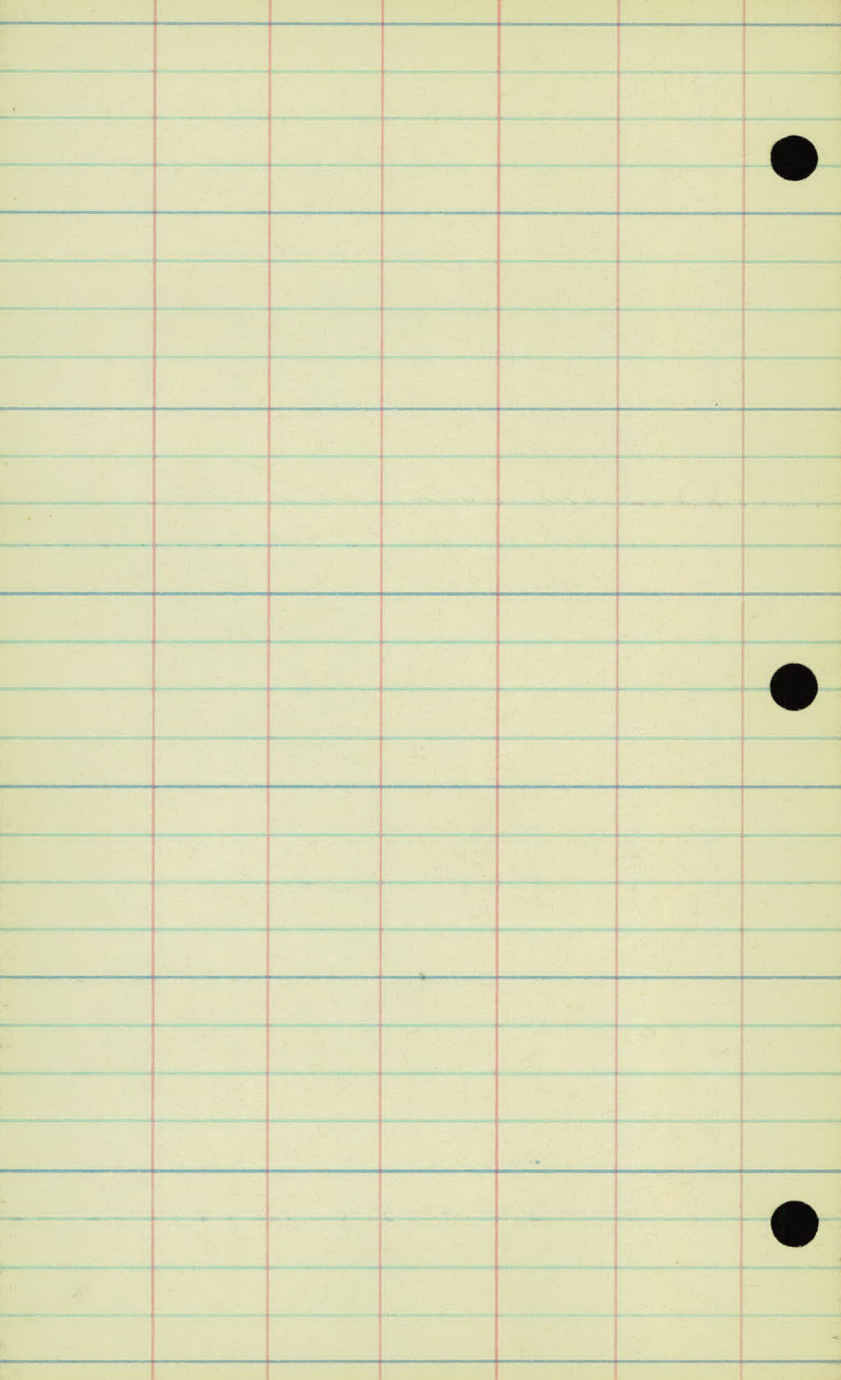
51+41.2 End of Sewer

51+04.6 $\pm$ S.T.H. $\frac{1}{4}$ Pavement

43+42.0 P.I. $68^{\circ}27'$ M.H.

42+04.0 P.I. $93^{\circ}01'$ M.H.





S. $\frac{1}{4}$ Cor. Sec. 14

Sec. Tie

35+52.45

15'

89°24'

Ave

20+35.75 A-0°01'R.

15'

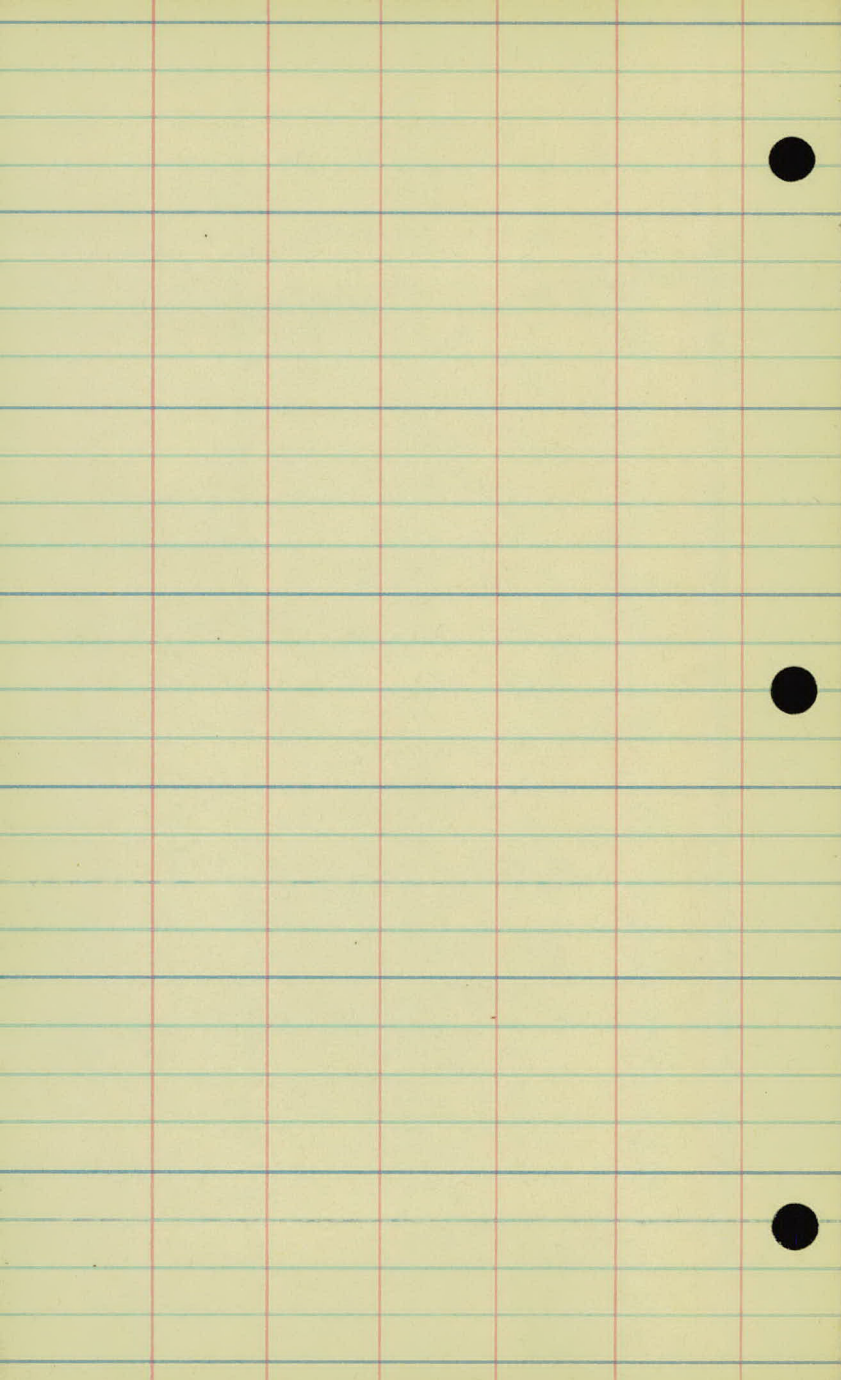
Gen. Sec. 14

B.E.

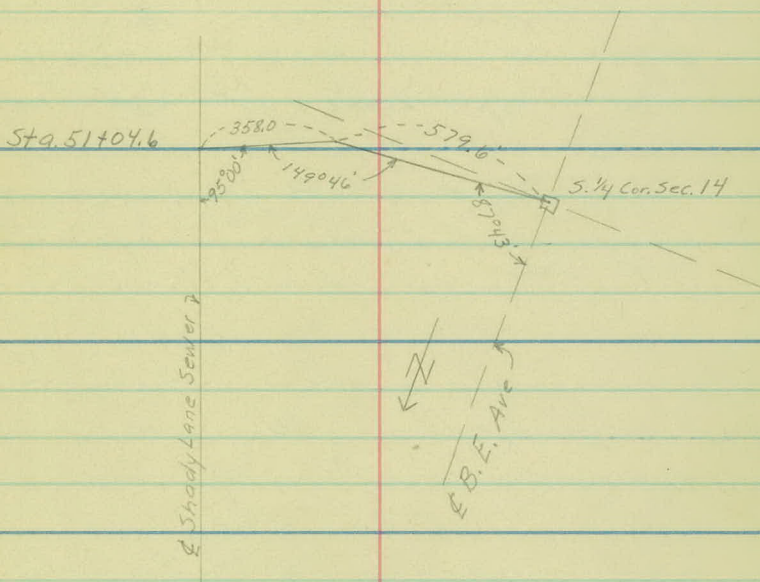
90°15'

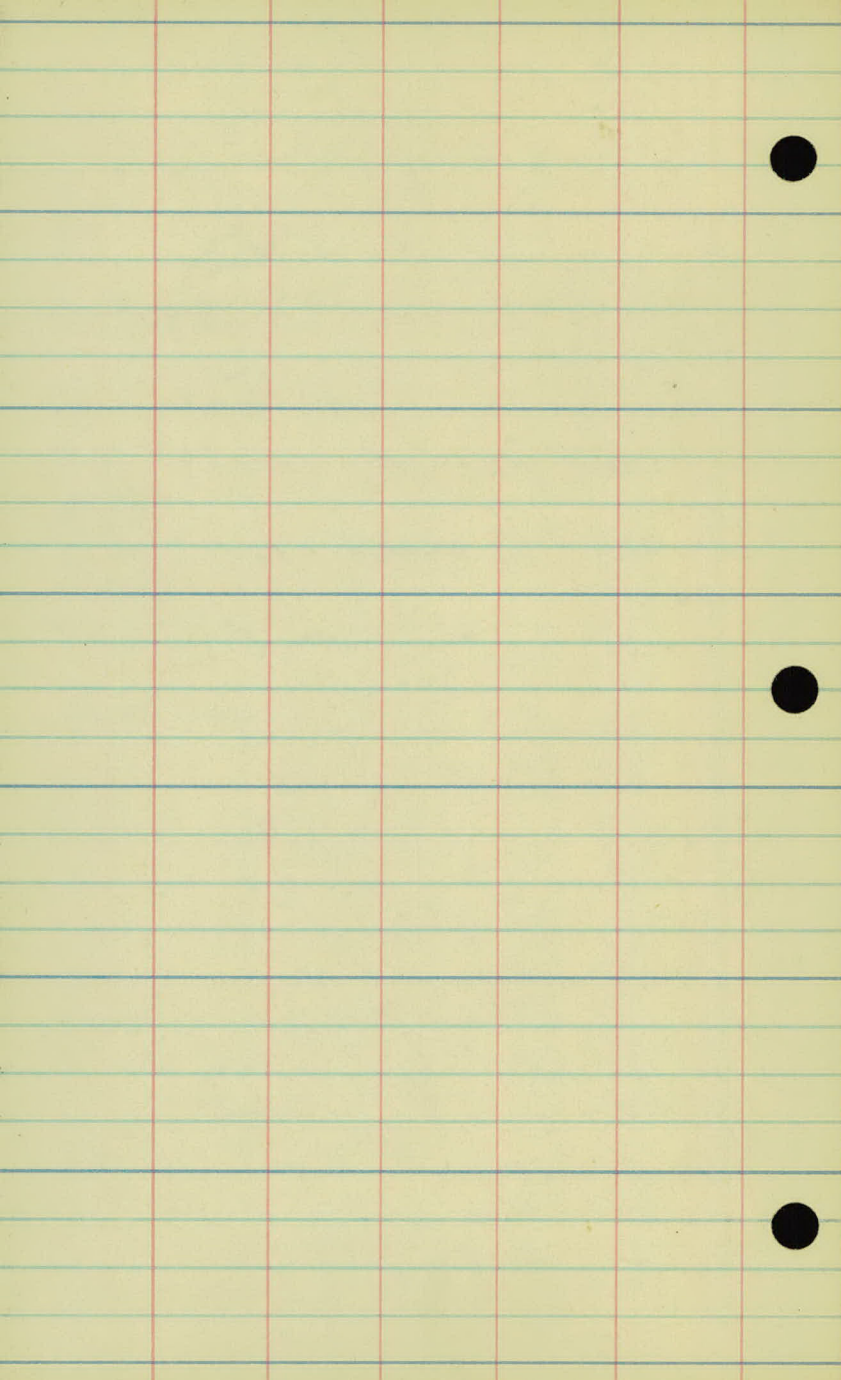
15'

13+65.4



Section Tie





A. B.

D. S.

J. B.

Topog.

B. E. Sewer

3

2

1

0

12-22-82

+33 M.H. 6.5 - @ 8th St.

Sanitary Sewer →

Conc. Side Walk

Hedge,

782

+50

curb -

Armory

+55-F. Cor. 17'

+48

+34

Grounds

+00 Curb 9'-F. 17'

Cess Pool

Fair

c.8.

6



5



4

3



+00-F. 8'

+54-F. 10'

+94-M. H. 8.5' - 47' 54"

Sanitary Sewer

Conc. Side Walk

Hedge

School Yard

Row of 12" Trees

9

8

7

6



School Yard

Iron Fence

79-X-F.

100-F. 8'

School Yard

100-F. 9'

12

11

10

9

+94-Gar. 11'

20'
Double
Stucco
20'

School Yard

15

14

13

12

+96-Tr. 10'

+56-Tr. 10'

+35-Tr. 10'

+15-Tr. 10'

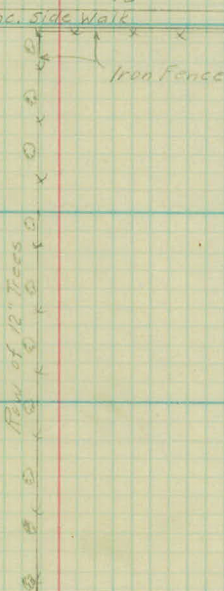
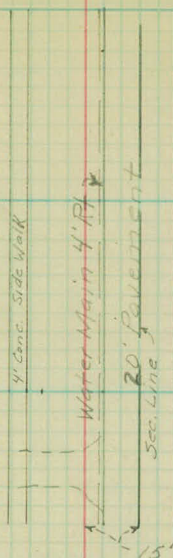
+00-S.W. 12'-4" wide

+94-Trec 10'

+92-T.P. 3'

+80-E Dr.

+48-F. Cor. 6'



18

17

16

15

+00-S.W. 10.5' - Tr. 8'

+92- $\frac{1}{2}$ Dr.

+83-Tr.

+65-Tr.

+47-Tr.

+33-T.P. 3.5'

+30-Tr.

+13-Tr.

+82-Tr.

+62- $\frac{1}{2}$ Dr.

+43-Tr.

+39-Hyd. 5.5'

+35-T.P. 3'

+25-Tr.

+84-Tr.

+69-Tr.

+35-Tr.

+24- $\frac{1}{2}$ Dr.

+16-Tr. ~~10~~

+10-T.P. 3'

+04- $\frac{1}{2}$ Dr.

+00-S.W.

4' Conc. S.W.

Water Main

20' Pavement

21



20



19

18



+52-End W.B. Ave Storm Sewer 8.5'

+52-Beg. S.W. 10.5'

+52-End 12"x33' C.M. 2' →

CONC. S.W.

+35.75-~~4~~ 5th St.

□ Manhole

+19-Beg. 12"x33' C.M. 2'

+19-10'x8' C.M.

+17-End of S.W. 10.3'

+95-T.P. 4'

Water Main 4'

20' Pavement

4" Conc. Side Walk

+62-T.P. 3.5'

+12-~~4~~ Dr.

24

23

22

21

+46 - Beg. Curb 5'
+96 - Beg. Conc. Pavement 2'
+88 - 18" R.I. X Drain 2.5'
+87 - T.P. 5'

====>?

+12 - 10" X 8' C.M. 9'

====

+32 - T.P. 5'
+31 - 10" X 10' C.M. 7'

====
Silt

====

4' Conc.

20' Pavement

+11 - T.P. 4'

27



26



25

24



+99-T.P.S'

+90-E.Dr.

+75-Tr.S'

+50-Stone Flower Vm 9'

+43- " " " 9'

+33-Tr. 9'

+39-T.P.S'

+10-Gar. Ent.

+00-S.W. 18.5'

+57-C.B. 2'

+53-Extl Curb 3'

+26-E 4th St.

+11-Curb 19'-S.W. 10.5'

4.5 Conc. S.W.

20' Pavement

2'X2'

18' P.S.

Curb

Curb

4' S.W.

4' S.W.

30



29



28

27



+19 - T.P. 7'

conc. S.W.

+45 - T.P. 7.5'
+31 - Beg. S.W. 11'
+31 - P.P. 8.5'

20' Pavement

+12 - ~~E~~ 3rd St.

+12 - ~~E~~ 3rd St.

+95 - End. S.W. 11'

+80 - T.P. 6'

+72 - X-Rd. Sq. 4'

conc. S.W.

32

31

30

(+63-5'X10' Conc.)
Landing 1.5'

+60-Beg. S.W. 12'

+98-T.P. 8'

+96-12"X6' Conc. Box Culv. 12'

+96-Beg. 15"X120' C.M. 3.5'

+92-End 15"X31' C.M. 3.5'

+78-L 2nd St.

+63-Stop Sq. 8'

+61-Beg. 15"X31' C.M. 3.5'

+59-End S.W. 12'

+57-8"X10' V.I. 9'

Conc. S.W.



Conc. S.W.

20' Pavement

+60-T.P. 8'

36



35



34



33

+65-12"X6' Box Culv. 1'

+37-E 1st St.

+20-C.B. 21'

+22-End S.W. 12'

+20-12"X6' Box Culv. 11'

+13-P.P. 10'

+29-12"X6' Box Culv. 6'

(+42-5'X8' Conc.)
Landing 1'

+79-G.P. 4'

+74-1/4 Rd. Sq. 8'

(+60-5'X12' Conc.)
Landing 1'

+14-C.B. 1.5'

E 1st St.

Conc. S.W.

+52-M.H. 38.5'

2' Round

12"X6' Vit.

20' Vit.
Storm Sewer
Sanitary Sewer

Conc. S.W.

+62-E B. Lake Ave.
+62-Sanitary P.M. 11.2'

4" Vit.

15" C.M.

2'X2'

6" Iron Pipe

15"X45" Vit

+34-M.H. 39.5'

15" C.M. - Plugged

12" Vit - Plugged Up

37

38

37

36

Location of Storm Sewer @ Bald Eagle Ave & 1st St

Top C.B. - 932.0
Bot. C.B. - 929.3
Inv. 18" V.T. 930.0

C.B.
2'x2'

Top C.B. - 931.5
Bot. C.B. - 927.9
Inv. 18" V.T. 928.2
Inv. 18" V.T. 928.3



Bald Eagle Ave

20" V.T.

+52-M.H. 38.5

35' + 20' - C.B. 21'

2' Round

12" V.T.

20" V.T.

18" x 55' V.T.
415'
22.5'

C.B.
2'x2'

18" x 101' V.T.

39



38



37

36



+96-Tr. 4'

+86- ϕ Dr.

+77-Tr. 3.5'

+57-Tr. 3.5'

+85- ϕ

ϕ 20" Vit.

+85- ϕ St.

+37- ϕ Dr.

+19-M.H. ϕ

? $\xrightarrow{10" \text{ Vit.}}$ ϕ

ϕ 20" Vit.

42

41

40

39

90° 48'

+62- $\frac{1}{2}$ Track

+39.5- $\frac{1}{2}$ Track)
+25.5- $\frac{1}{2}$ Track)

Main Line

+12.5- $\frac{1}{2}$ P.R. Track

+00- $\frac{1}{2}$ P.R. Tracks

$\frac{1}{2}$ 20" Vitr.

①

+79.9 M.H. $\frac{1}{2}$

+66-Tr. 6'

+50-Tr. 5'

+30-Tr. 5'

$\frac{1}{2}$ 20" Vitr.

40

44

43

42

+95-12" X 6" Box Cul. 16'

+37-M.H. 21'

+22-C.B. 46'

2' Round

Storm Sewer

Shady Lane

11' Pole S.W.

+76-P.R. 8.5'

+13-Lt. Pole 9'

+11-10" X 23" C.I.M. X-Drain

+92-Hyd. 10'

+88-Beg. S.W. 11'

+65-Sanitary & X-ing

+42-M.H. E

+36-M.H. 5'

+15-M.H. E

+04-M.H. d

10" House Conn.

Sanitary Sewer

48



47



46

45



+24-2 Dr.
+77-P.P. 9'
+70-2 Dr.

+63-P.P. 9'

20" V.H.

4 Conc. S.W.

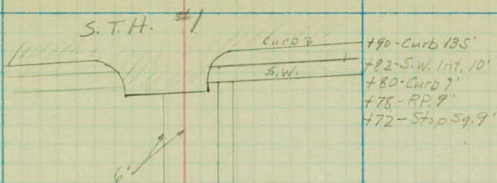
+76-P.P. 9'

+00-S.W. 11'

50

49

48



5107
 20" V4
 14.02

+87 - P.P. 9'

+77 - P.P. 9'

+00 - S.W. 10.3'

52

51



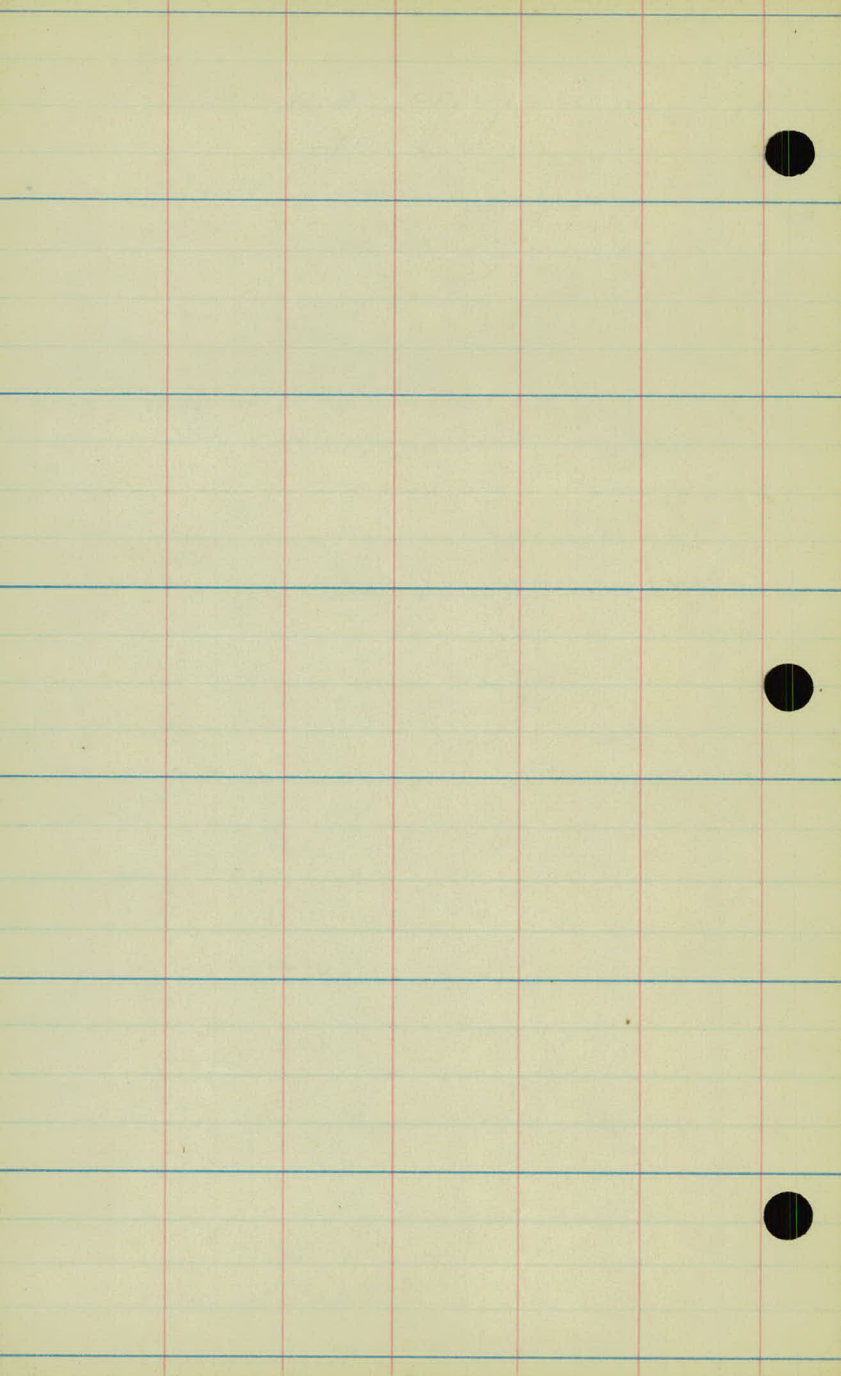
+41 - Lake Shore



+41.2 End of Sewer

+16.8 - Edge of Pavement

20" V₄"



Level/s

B. E. Sewer

B.M.	0.55	942.73	✓	942.18	
T.P.	5.39	941.19	✓	6.93	935.80 ✓
B.M.	4.64	940.91	✓	4.92	936.27 ✓
0+00				6.2	934.7.

1				6.0	34.9
---	--	--	--	-----	------

2				5.8	35.1
---	--	--	--	-----	------

3				5.7	35.2
---	--	--	--	-----	------

4				5.4	35.5
---	--	--	--	-----	------

+37.2	P.I.			5.4	35.5
-------	------	--	--	-----	------

+46	Bottom of Curb			5.8	35.1
-----	----------------	--	--	-----	------

+46	Top of Curb			5.0	35.9
-----	-------------	--	--	-----	------

5				5.5	35.4
---	--	--	--	-----	------

6				5.5	35.4
---	--	--	--	-----	------

7				5.5	35.4
---	--	--	--	-----	------

8				5.7	35.2
---	--	--	--	-----	------

Hyd. N.E. Cor. W.B. Ave & 4th St.Spk. in P.P. S.E. Cor. W.B. Ave & 7th St.
$$6.2 \left(\begin{array}{l} 5.7 \\ 10 \end{array} \right) \begin{array}{l} \text{Top of Cess Pool} \\ \rightarrow 35.2. \end{array}$$

6.0

5.8

5.7

5.4

5.4

5.8

5.0

5.5

5.5

5.5

5.7

940.91 ✓

T.P.

1.95

939.54 ✓

3.32

937.59 ✓

9

4.1

935.4.

10

4.4

35.1.

11

4.1

35.4.

12

4.3

35.2.

13

4.5

35.0.

+65.4 P.I.

5.0

34.5.

14

5.2

34.3.

15

5.4

34.1.

16

5.7

33.8.

17

5.4

34.1.

18

5.6

33.9.

T.P.

4.61

938.71 ✓

5.44

934.10 ✓

19

4.9

33.8.

4.1

4.4

4.1

4.3

4.5

5.0

73449.

5.2 $\frac{5.05}{15}$ & Pavement B.E. Ave.

5.4

5.7

5.4

5.6

4.9

938.71 ✓

20

5.1 933.6.

+52 Invert W.B. Ave Storm Sewer

21

6.0 32.7.

22

6.0 32.7.

23

5.7 33.0.

+88 Invert 18" P² X-Drain

5.4 33.3.

24

5.8 32.9.

+26 @ 4th St.

5.4 33.3.

+57 Top of C.B.

+57 Inv. of C.B.

25

5.4 33.3.

26

5.3 33.4.

B.M. 4.78 938.78 ✓ 4.71 934.00 ✓

27

5.2 33.6.

5.1

$$\begin{array}{r} 931.60 \\ - 7.1 \\ \hline 8.5 \end{array}$$

$$\begin{array}{r} 931.70 \\ - 7.0 \\ \hline 3 \end{array}$$

£ Ditch

6.0

$$\begin{array}{r} 933.76 \\ - 4.95 \\ \hline 15 \end{array}$$

£ Pavement

$$\begin{array}{r} 931.50 \\ - 7.2 \\ \hline 3 \end{array}$$

6.0

$$\begin{array}{r} 933.66 \\ - 5.05 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 931.10 \\ - 7.6 \\ \hline 3 \end{array}$$

5.7

$$\begin{array}{r} 933.51 \\ - 5.2 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 930.90 \\ - 7.8 \\ \hline 2.5 \end{array}$$

5.4

$$\begin{array}{r} 933.46 \\ - 5.25 \\ \hline 15 \end{array}$$

5.8

5.4

$$\begin{array}{r} 932.9 \\ - 5.8 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 930.9 \\ - 7.8 \\ \hline 2 \end{array}$$

5.4

5.3

Spt. in 24" Maple 66' Rt. Sta 25+16

5.2

938.78 ✓

28

5.2 933.60.

29

5.3 33.5.

30

5.5 33.3.

31

5.8 33.0.

T.P. 4.67 938.18 ✓ 5.27 933.51 ✓

+57 8"X10' vit.

+61 N. End 15"X31' C.M.

+92 S. End 15"X31' C.M.

+96 12"X6' Box Culv.

+96 N. End 15"X120' C.M.

32

4.8 33.4.

33

5.1 33.1.

+14 Top of C.B.

+14 Bottom C.B.

5.2

5.3

5.5

5.8

$$952.2 \cdot \frac{6.0}{9}$$

$$951.5 \cdot \frac{6.7}{3.5}$$

$$954.2 \cdot \frac{7.0}{3.5}$$

$$952.2 \cdot \frac{6.0}{12}$$

$$951.2 \cdot \frac{7.0}{3.5}$$

4.8

5.1

$$953.0 \cdot \frac{5.2}{1.5}$$

$$950.1 \cdot \frac{8.1}{1.5}$$

938.18 ✓

33+14 Inv. 15" C.M. No.

+14 Inv. 15" C.M. S.E.

+14 Inv. 15" Vit. W.

+14 Inv. 6" Iron Pipe

+34 Top of M.H.

+34 Bottom of M.H.

+34 Flow Line 20" Sewer.

+34 Inv. 15" Vit. N.E.

+34 Inv. 15" C.M. No.

+34 Inv. 12" Vit W.

+62 Top. Sanitary M.H.

+62 Flow line

34 5.1 933.1

35 5.4 32.8

B.M. 4.14 938.05 ✓ 4.27 933.91 ✓

+09 12" X 6' Box Culv.

$$751.03. \quad \frac{7.15}{1.5}$$

$$931.03. \quad \frac{7.15}{1.5}$$

$$931.03. \quad \frac{7.15}{1.5}$$

$$931.70. \quad \frac{6.5}{1.5}$$

$$\frac{4.75}{39.5} \quad 933.23.$$

$$\frac{12.7}{39.5} \quad 925.50.$$

$$\frac{11.3}{39.5} \quad 926.90.$$

$$\frac{7.9}{39.5} \quad 930.30.$$

$$\frac{9.9}{39.5} \quad 928.10.$$

$$\frac{11.3}{39.5} \quad 926.90.$$

$$\frac{4.75}{28} \quad 933.23.$$

$$\frac{13.1}{28} \quad 925.10.$$

5.1

54

Sph. in R.P. 38' Rt. Sta. 35+50 - B.E. Ave & 1st St.

$$931.90. \quad \frac{6.2}{9}$$

938.05 ✓

35+20 12" X 6' Box Culv

+20 Top of C.B.

+20 Bot. of C.B.

+20 Inv. 12" Vit.

+52.45 P.I.



5.1 932.95.

+52 Top of M.H.

+52 Flow Line 20" Sewer

+52 Inv. 12" Vit. N.E.

+52 Inv. 18" Vit. S.

+65 12" X 6' Box Culv

36 6.2 31.85.

37 6.4 31.65.

+19 Top of M.H. & 6.4 31.65.

$$951.90. \frac{6.2}{11}$$

$$931.50. \frac{6.6}{21}$$

$$927.1. \frac{11.0}{21}$$

$$929.2. \frac{8.9}{21}$$

5.1

$$\frac{6.6}{38.5} \quad 931.45.$$

$$\frac{11.5}{38.5} \quad 926.55.$$

$$\frac{11.0}{38.5} \quad 927.05.$$

$$\frac{10.9}{38.5} \quad 927.15.$$

$$931.95. \frac{6.1}{1}$$

$$932.65.$$

$$\frac{5.4}{15} \quad 6.2$$

$$933.25. \frac{4.8}{15} \quad 6.4$$

6.4

938.05 ✓

37+19	Flow Line 20" Sewer	11.7	926.35
+19	Inv. 10" Vit. N.	11.7	926.35
+27		3.8	32.25
+31	E Drive	4.3	33.75
+43		4.5	33.55
+45		6.5	31.55
+85	E St.	4.3	33.75
38		4.7	33.35
39		3.3	34.75
T.P.	4.82 941.36 ✓ 1.51	936.54 ✓	
+79.9	Top of M.H.	3.6	37.76
+79.9	Flow Line	15.6	25.76
40		3.6	37.76
41	E. R.R. Tracks	1.7	39.66

11.7

11.7

5.8

4.3

4.5

6.5

4.3

4.7

3.3

3.6

15.6

3.6

1.7

941.36 ✓

41+62		1.4	939.96.
42		3.8	937.56.
+04	Top of M.H.	4.6	936.76.
+04	Flow Line	15.9	925.46.
43		4.9	936.46.
+15	Top of M.H.	5.1	936.26.
+15	Flow Line	15.7	925.66.
+15	Top of Sanitary Sewer	13.8	927.56.
+22	Top of C.B.		
+22	Bot. of C.B. + Inv. 10" Vit.		
+36	Top of Sanitary M.H.		
+36	Bot. of M.H.		
+36	Flow Line		

1.4

3.8

4.6

15.9

4.9

5.1

15.7

13.8

935.06. $\frac{4.3}{46}$

933.66. $\frac{7.7}{46}$

$\frac{4.9}{5}$

936.46.

$\frac{15.8}{5}$

925.56.

$\frac{15.5}{5}$

925.86.

941.36 ✓

43+36 Inv. 10" House Conn.

+37 Top of M.H.

+37 Bot. of M.H.

+37 Inv. 10" Vit.

+37 Inv. 12" Vit.

B.M. 3.34 942.30 ✓ 2.40 938.96 ✓

+42 Top of M.H. & 6.1 936.20

+42 Flow Line 20" Sewer 17.1 925.20

+42 Inv. 12" Vit. 14.9 27.40

+42 Inv. 9" Vit. 10.0 32.30

+95 12" X 6" Box Culv.

44 6.0 36.30

+11 10" X 23' C.M. X-Drain

45 5.7 36.60

46 4.8 37.50

$$\frac{15.0}{5} \quad 926.36.$$

$$936.06. \quad \frac{5.3}{21}$$

$$926.96. \quad \frac{14.4}{21}$$

$$932.86. \quad \frac{8.5}{21}$$

$$928.96. \quad \frac{12.4}{21}$$

Top of Hyd. Cor. Shady Lane & R.R. Ave

6.1

17.1

14.9

10.0

$$935.30. \quad \frac{7.0}{16}$$

6.0

$$935.00. \quad \frac{7.3}{17}$$

$$\frac{7.1}{6} \quad 935.20.$$

5.7

4.8

942.30 ✓

47 4.1 938.20

48 3.9 38.4

49 4.1 38.2

50 4.1 38.2

B.M. 0.95 940.39 ✓ 2.86 939.44 ✓

51 S.T.H. #1 - Pavement 2.8 37.6

+ 21 Shoulder 3.0 37.4

+ 41.2 Inv. 20" Sewer 16.1 24.29

52 17.8 22.59

+ 41 Top of Ice - Lake Shore 19.2 21.19

B.M. 0.95 939.44 ✓

4.1

3.9

4.1

4.1

Spk. in P.P. 100' N.W. Int. Shady Lane & S.T.H. #1

2.8

3.0

16.1

17.8

19.2

