

Book #10, Dr. 14

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

_____ Plan _____ Survey

SECOND ST. AND COOK AVE.

From Lake Ave. To Fifth St.

BALD EAGLE AVE.

From Fourth St. To Fifth St.

WHITE BEAR LAKE.

Road Acc't. No. 34-W.B.1

Date Filed 6-23-34

File 124

Date

34-WB1

35452
31+00

3.92

Alignment

34-W.B. 1

2ND ST.

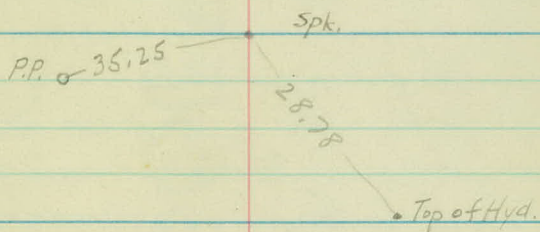
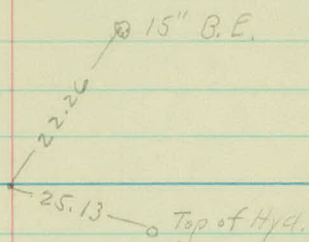
COOK AVE

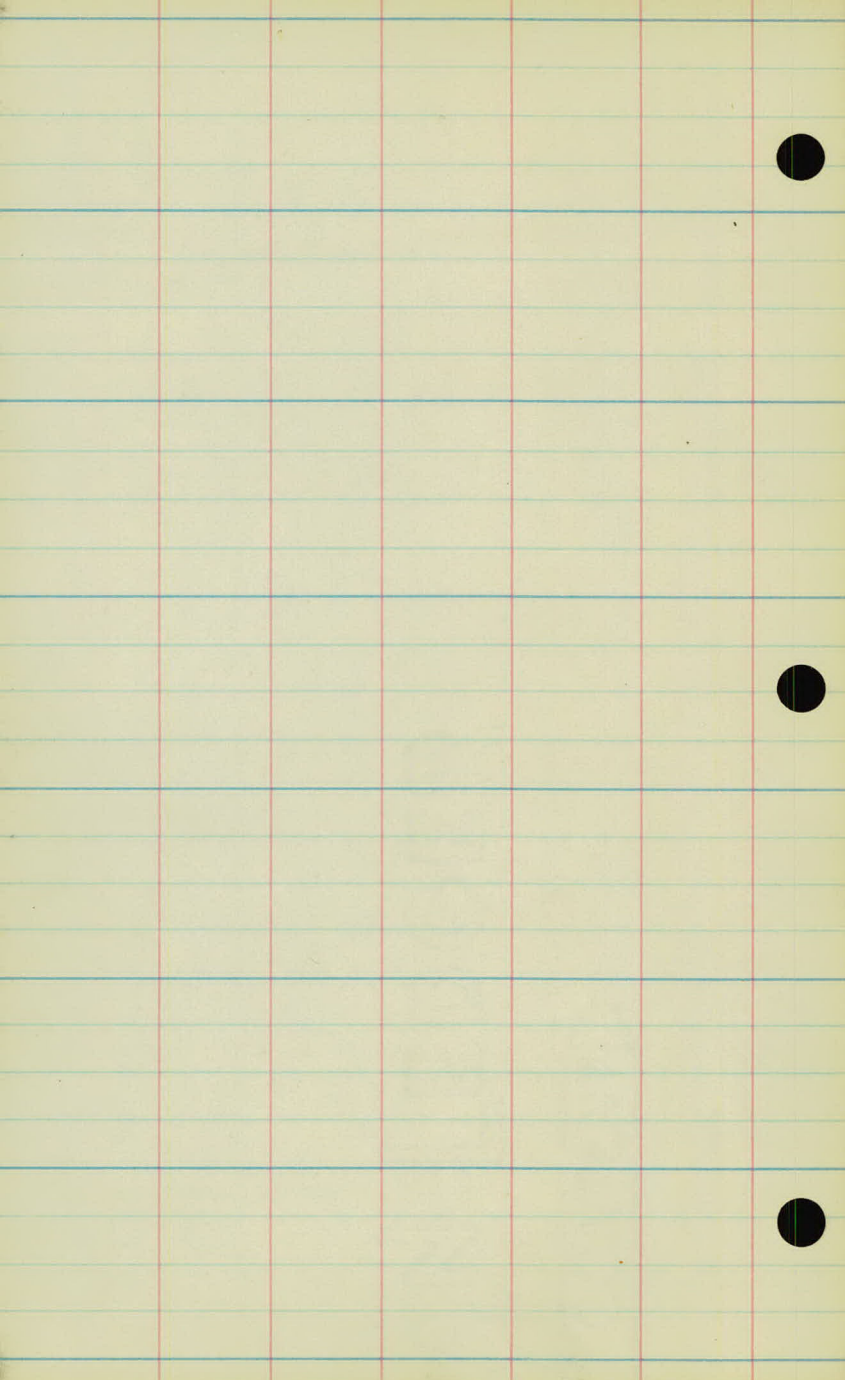
14+18.5 P.D.T. Nail in S.W. No Side 5th St.

2+67.42 P.I.

90°30'

0+00 £ C.B. - Cook & Lake





Line Change
34-W.B.I.

2nd St

$$= 2 + 67.42$$

$$2 + 61.42 =$$

2 + 38.65 P.I.

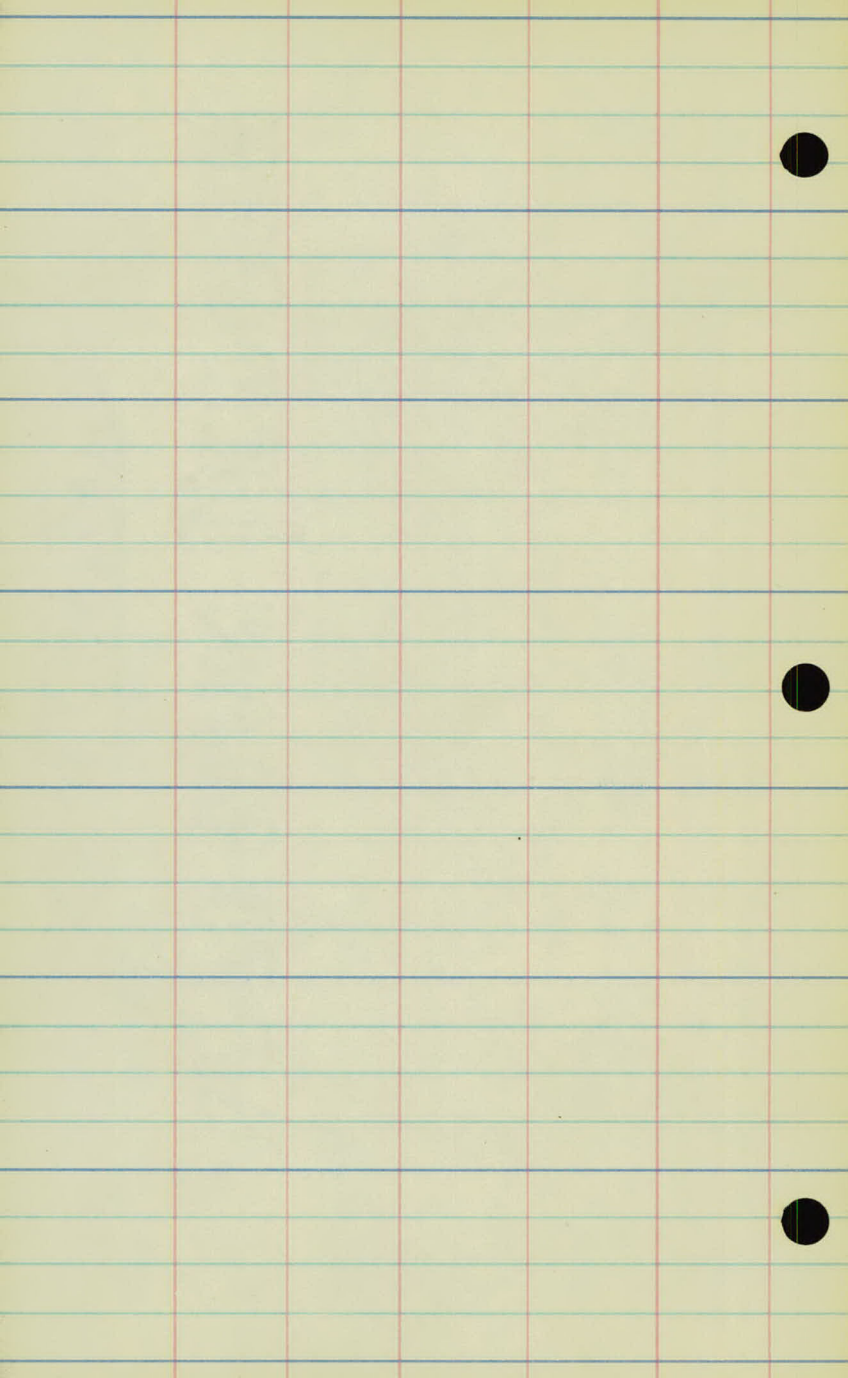
90° 23'

0 + 18.88 P.I. 42° 25'

0 + 00 E.C.B.

P.P. 17.15 40.43 £ Top of Hyd.

Cor. F.P. 23.35
P.P. 18.26



Topog.

34-W.B.I.

2nd. St - Cook Ave.

5

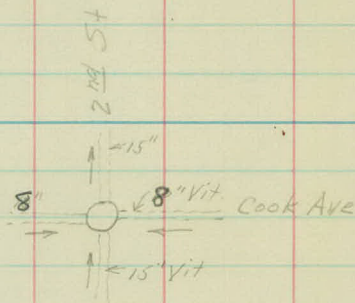
4

3

2

1

0+00



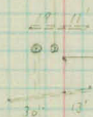
+15-M.H. 5.5'



8
Cook Ave

+92-12"X30" C.M.

+72-M.H. 16'

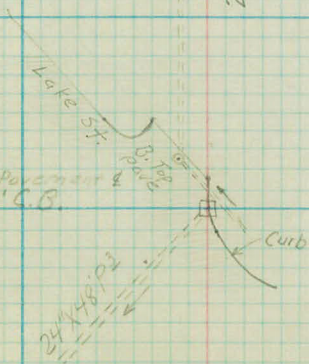


+48-15"X48" C.M.

+39-Hyd. 6'

15"
2nd St.

+46 Curb 30'
+25-M.H. 17'
+16 End Curb + Pavement & Road
+00-62'X2' C.B.



+10-15" Vit. San. Sew.

10

9

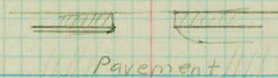
8

7

6

5

+32.5-S.W. 21.5'
 +33-Curb 21.5'
 +02-E 41.5'



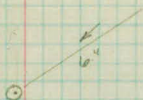
+32.5-S.W. 11'
 +26.5-Curb 11'
 +18-Curb 26'

+82-Curb 21'
 +73-Curb 21'



+87-Curb 25'
 +79-Curb 10.5'
 +73-Curb 10.5'

+12-M.H. 6.5'

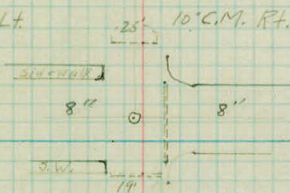


+52-X-Drain 8" I.P.Lt.

+40-Curb 21'
 +33-Curb 21'

+12-M.H. 5.5'

+40-Curb 20.5'
 +84-Curb 20.5'
 +82.5-9" X 29' C.M.



+45-Curb 12'
 +30-Curb 27'
 +31.5'

+94-Curb 27'
 +90-12" X 42' C.M. 12'
 +79-Curb 12.5'

14

13

12

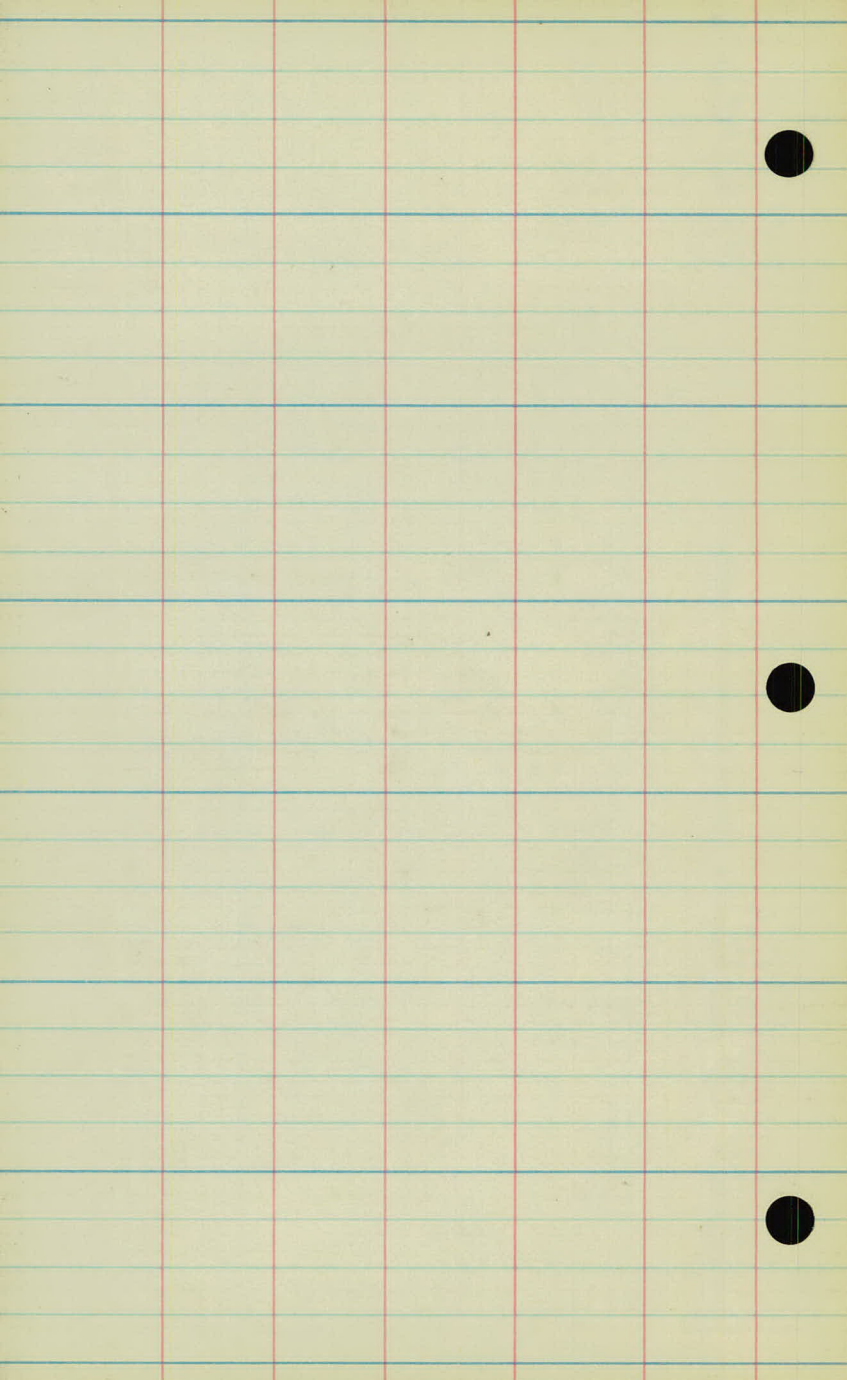
11

192-M.H.L.



25th St.

Cook Ave



Line Change
Topog.

34-W.B.I.

2nd St.

2

1

0+00

+44.65 - M.H. 5'

+11 - X-Drain
15" X 43" C.M.

Cook Ave

37'

2nd St.

15" Sanitary Sewer

+18.88 - P.I.

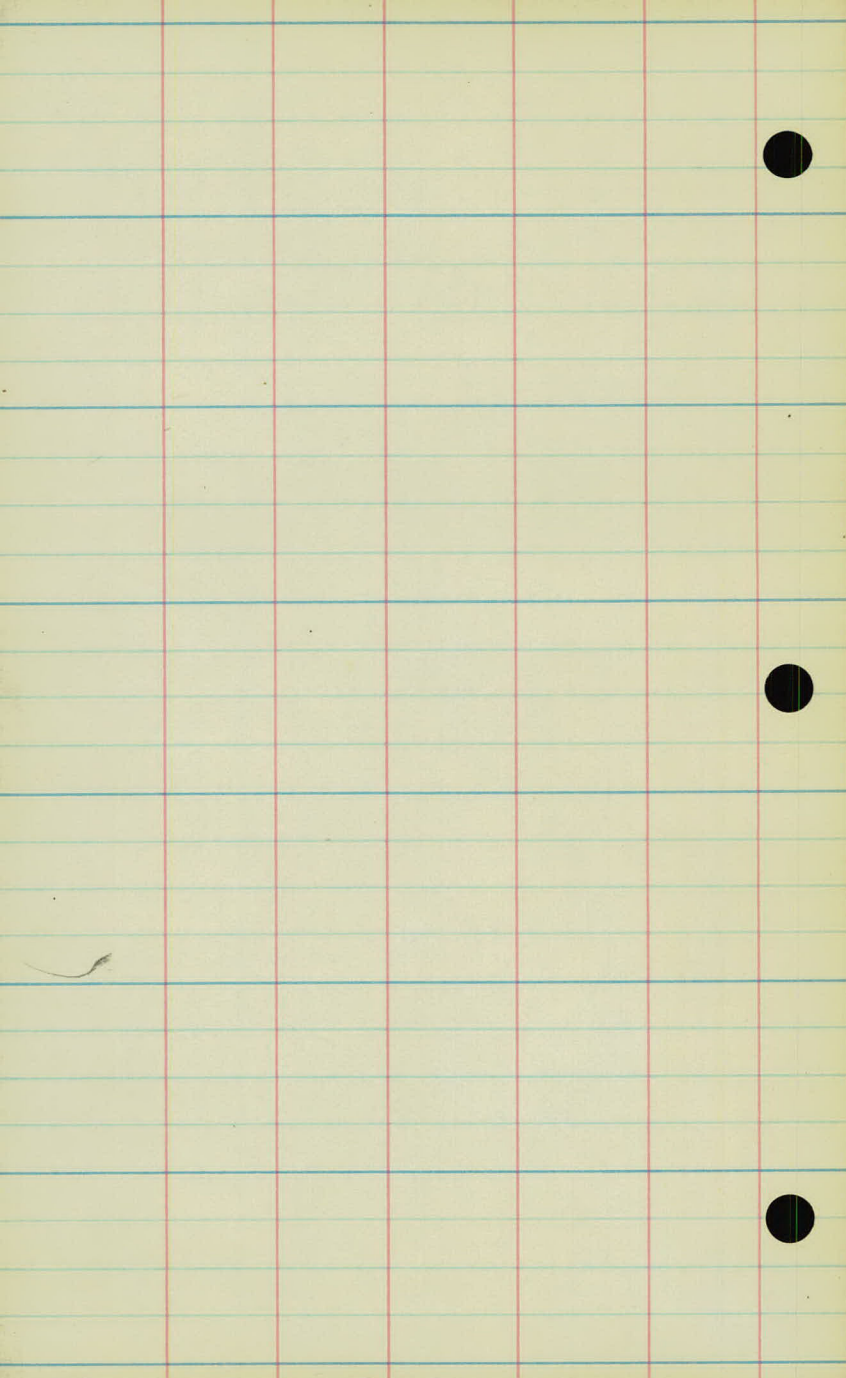
+12 - Edge Pavement 4' - Curb 3.5'

+00 - 1.6' X 3.5' C.B.

-05 - Curb 10'

12" C.M.

24" X 48" P27



Levels

34-W.B.1.

2nd. St. - Cook Ave.

B.M. 0.78 939.69 938.91

0+00 Flow Line 28.1

0+00 Top C.B. 31.8

+25 17' Lt Flow Line 28.9

+25 17' Lt Top M.H. 32.1

1 32.9

2 35.1

+67.42 P.I. 36.7

M.H. 2nd & Cook Flow Line 28.7

Top of M.H. 2nd & Cook 36.9

2+48 X Drain 34.1

2+92 X-Drain 34.9

3 36.6

Top of Hyd. N.E. Cor. 2nd & Cook

14.6

7.9

10.8

7.6

6.8

4.6

3.0

11.0

2.8

5.6

4.8

3.1

939.69 ✓

4 37.0 ✓

T.P. 5.10 941.71 3.08 936.61 ✓

5 36.9

+15 - 5.5' Lt. M.H. Flow Line 30.3

+15 - " " Top 37.3

+90 X-Drain 35.7

6 37.7

+12 - 5.5' Lt. M.H. F.L. 30.5

+12 - " " " Top 38.0

+52 X-Drain 36.3

7 37.2

8 37.1

+12 - 6.5' Lt. M.H. F.L. 31.5

+12 - " " " Top 37.3

2.7

4.8

11.4

4.4

6.0

4.0

11.2

3.7

5.4

4.5

4.6

10.2

4.4

941.71 ✓

9 37.2

10 37.5

B.M. 2.22 943.08 ✓ 0.83 940.88 940.86

11 37.9

12 38.4

13 38.6

+92 - 6' Lt. M.H. F.L. 32.3

+92 - " " Top 39.0

14 38.9

B.M. 1.37 941.71 ✓ 941.70

4.5

4.2

Top of Hyd. N. E. Cor. 4th + Cook

5.2

4.7

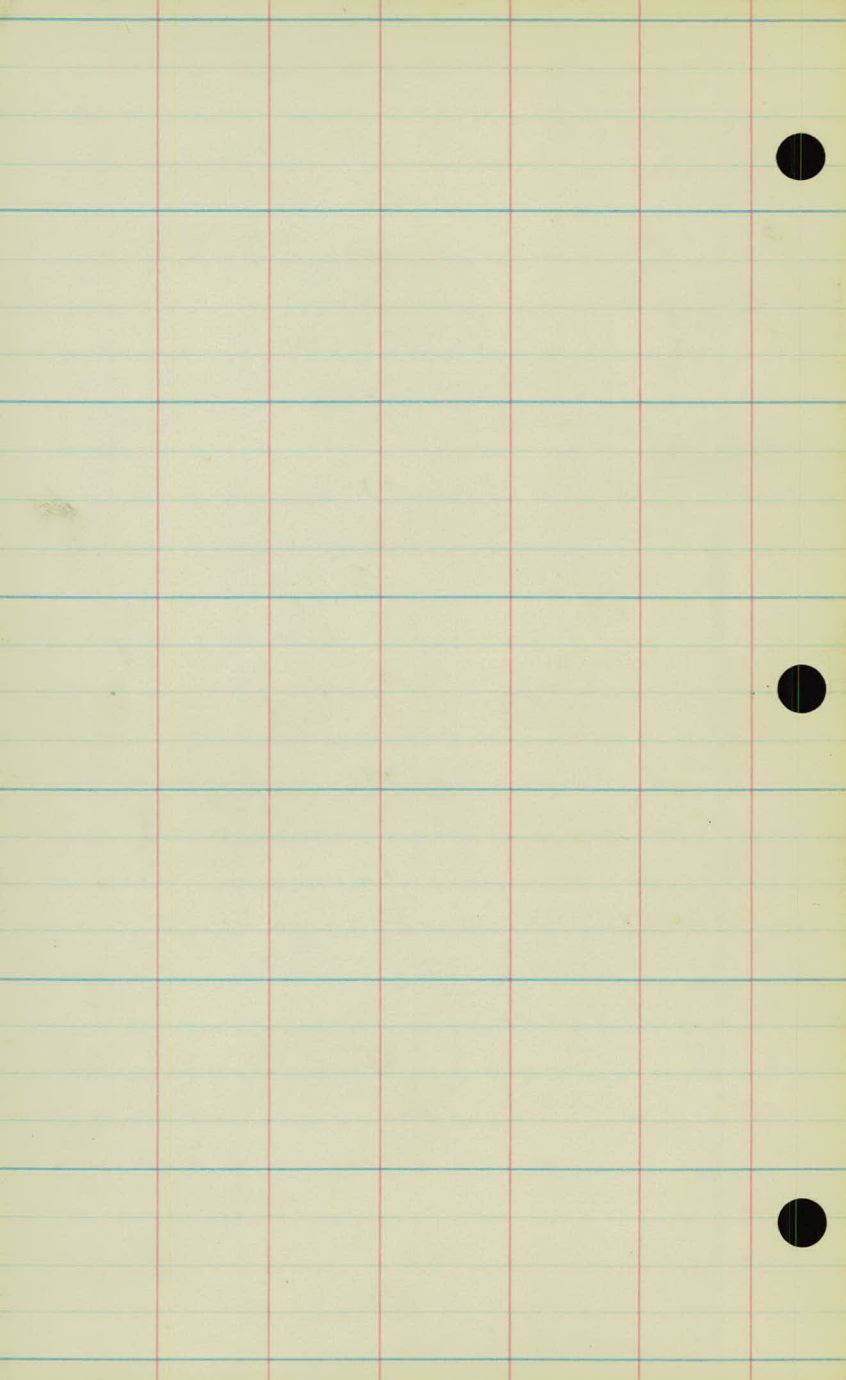
4.5

10.8

4.1

4.2

Top of Hyd. N. E. Cor. 5th + Cook



Line Change
Levels

34-W.B.I.

2nd St.

B.M.	0.23 939.14	938.91
0-48	F.L. 24" P ₃	926.0
0+00	F.L. C.B.	27.6
0+00	F.L. 12" C.M.	29.0
D+00	Top of C.B.	31.3
+18.88		31.8
1		32.9
2		35.6
+11	X-Drain	
+38.65		36.5

Top of Hyd. N. E. Cor. 2nd St. & Cook Ave

13.1

11.5

10.1

7.8

2.3

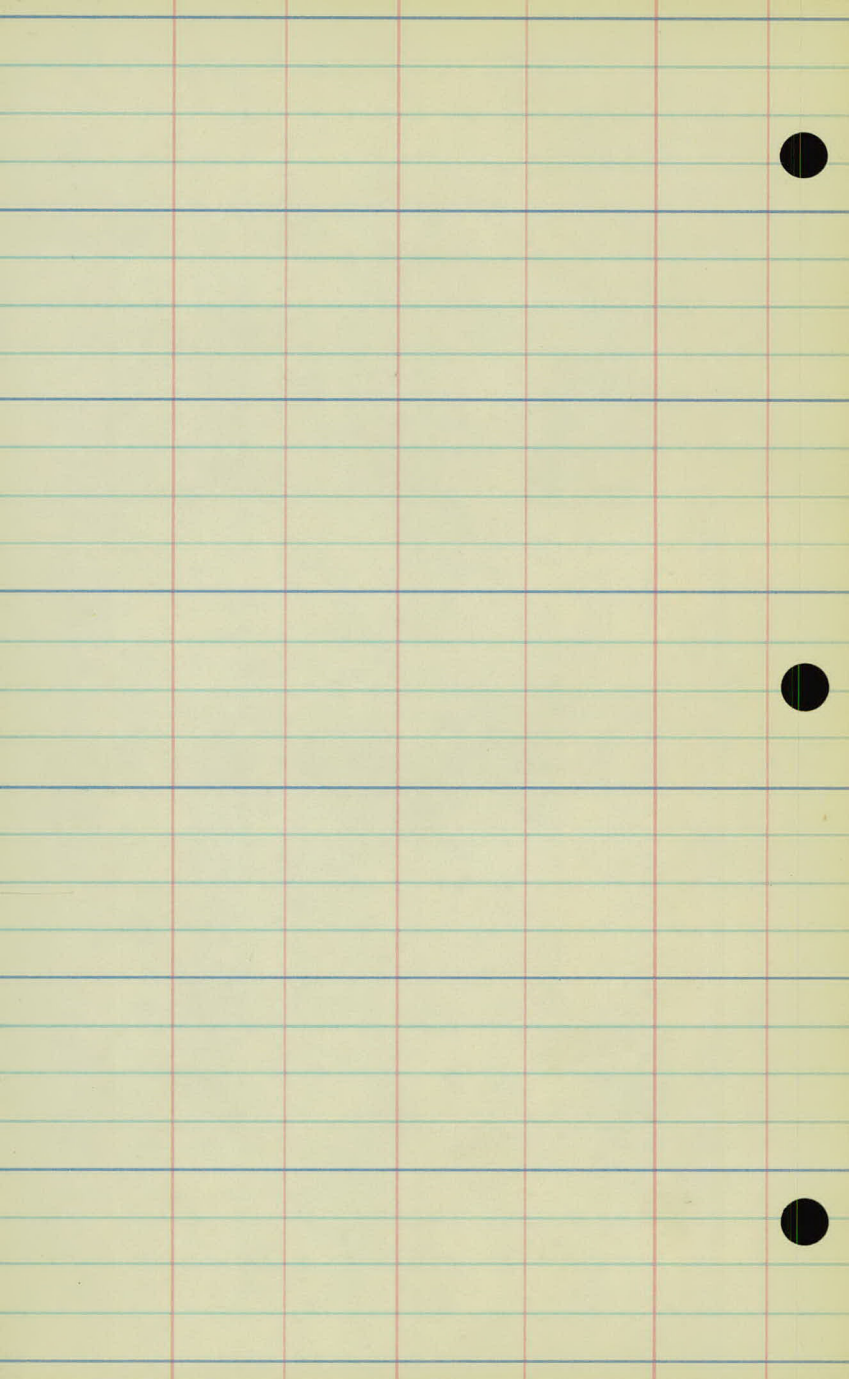
6.2

3.5

33.7

$\frac{5.4}{6}$

2.6



Levels
Street Int.
34-W.B.1

Re. 2nd. St. & Cook Ave.

B.M.

2.82 941.73

938.91

0+00

E Cook Ave

+25

+50

1

+50

2

+50

3

2nd St. From Cook To Banning

Dirt Walk Gutter $\pm$ Gutter S.W.

4.9

4% S³

5.0

5.5

4.8

5.4

5.2

4.7

5.3

4.9

5.5

5.0

4.2

4.9

4.5

5.2

4.7

3.9

4.7

4.2

5.0

4.4

4.4

4.0

4.6

4.0

4.2

3.7

4.3

3.8

3.8

3.4

4.0

3.4

B.M.

3.47

942.38

938.91

0+00

4 Cook Ave

+13

+50

1

+50

2

+50

3

0+50

1

+50

2

+50

3rd St. From Cook To Banning

Curb	Gutter	4	Gutter	Curb
------	--------	---	--------	------

4.4

937.38

937.38

5.0	5.7	4.5	5.5	5.0
-----	-----	-----	-----	-----

5.0	5.5	4.6	5.5	5.0
-----	-----	-----	-----	-----

4.9	5.6	4.6	5.5	5.1
-----	-----	-----	-----	-----

4.9	5.4	4.7	5.7	5.3
-----	-----	-----	-----	-----

4.8	5.3	4.7	5.7	5.3
-----	-----	-----	-----	-----

4.7	5.2	4.8	5.7	5.3
-----	-----	-----	-----	-----

4.5	5.1	4.7	5.9	5.4
-----	-----	-----	-----	-----

3rd St. From Cook To Stewart

5.1	5.6	4.7	5.4	5.0
-----	-----	-----	-----	-----

4.7	5.1	4.5	5.3	4.7
-----	-----	-----	-----	-----

4.3	4.7	4.3	4.9	4.4
-----	-----	-----	-----	-----

4.1	4.6	4.1	4.8	4.1
-----	-----	-----	-----	-----

3.7	4.4	3.9	4.3	3.7
-----	-----	-----	-----	-----

B.M.

1.40

942.26

940.86

0+00

4 Cook Ave

+15

+50

1

+50

2

+50

0+30

+50

1

+50

2

+50

4th St. From Cook To Banning

Curb	Gutter	$\frac{1}{2}$	Gutter	Curb
------	--------	---------------	--------	------

4.8

937.36

4.9

5.4

4.9

5.2

937.56

4.7

4.8

5.3

4.9

5.3

4.8

4.9

5.4

5.0

5.4

4.8

4.9

5.4

5.0

5.3

4.9

5.0

5.5

5.1

5.4

5.0

5.1

5.6

5.1

5.5

5.1

4th St. From Cook To Stewart

4.5

5.0

4.4

4.8

4.3

4.4

4.9

4.3

4.6

4.2

4.1

4.6

4.1

4.5

4.0

3.8

4.3

3.9

4.3

3.8

3.5

4.0

3.5

4.0

3.5

3.3

3.8

3.2

3.7

3.2

B.M. 2.11 943.81 941.70

0 +00 E Cook Ave

+21

+50

1

+50

2

+50

3

+40

+43 E Gutter on E. Side of Banning

5th St. From Cook To Banning

S.W. Gutter 4 Gutter S.W.
48

998.5

5.3 6.3 5.2 5.7 5.2

5.4 6.4 5.4 5.9 5.2

5.4 6.2 5.3 5.8 5.3

5.5 6.0 5.1 5.8 5.5

Curb

5.7 6.2 5.4 6.1 5.6

Curb

5.8 6.4 5.8 6.2 5.7

5.8 6.4 5.9 6.3 5.9

5.9 6.4 6.0 6.5 6.1

6.3

B.M.

2.11

943.81

941.70

0+25

+50

1

+50

2

+50

3

+50

£ Stewart

5th St. From Cook To Stewart

S.W.	Gutter	£	Gutter	S.W.
5.2	5.7	5.2	5.9	5.4

5.3	5.7	5.4	6.0	5.5
-----	-----	-----	-----	-----

5.1	5.7	5.4	6.1	5.5
-----	-----	-----	-----	-----

5.1	5.8	5.4	5.8	5.4
-----	-----	-----	-----	-----

5.1	5.7	5.3	5.8	5.4
-----	-----	-----	-----	-----

4.9	5.5	5.4	5.5	5.0
-----	-----	-----	-----	-----

4.8	5.4	5.1	5.5	4.9
-----	-----	-----	-----	-----

4.7	4.8	4.4	5.1	4.7
-----	-----	-----	-----	-----

4.5

B.M. 2.11 943.81

941.70

0+00 @ 5th St.

+50

1

+50

2

+50

3

+60 @ 6th St.

T.P.

0.83

942.98

Cook Ave From 5th St. To 6th St.

S.W. Gutter 4th Gutter

4.8

5.1 5.8 5.0 5.8

5.0 5.7 5.0 5.7

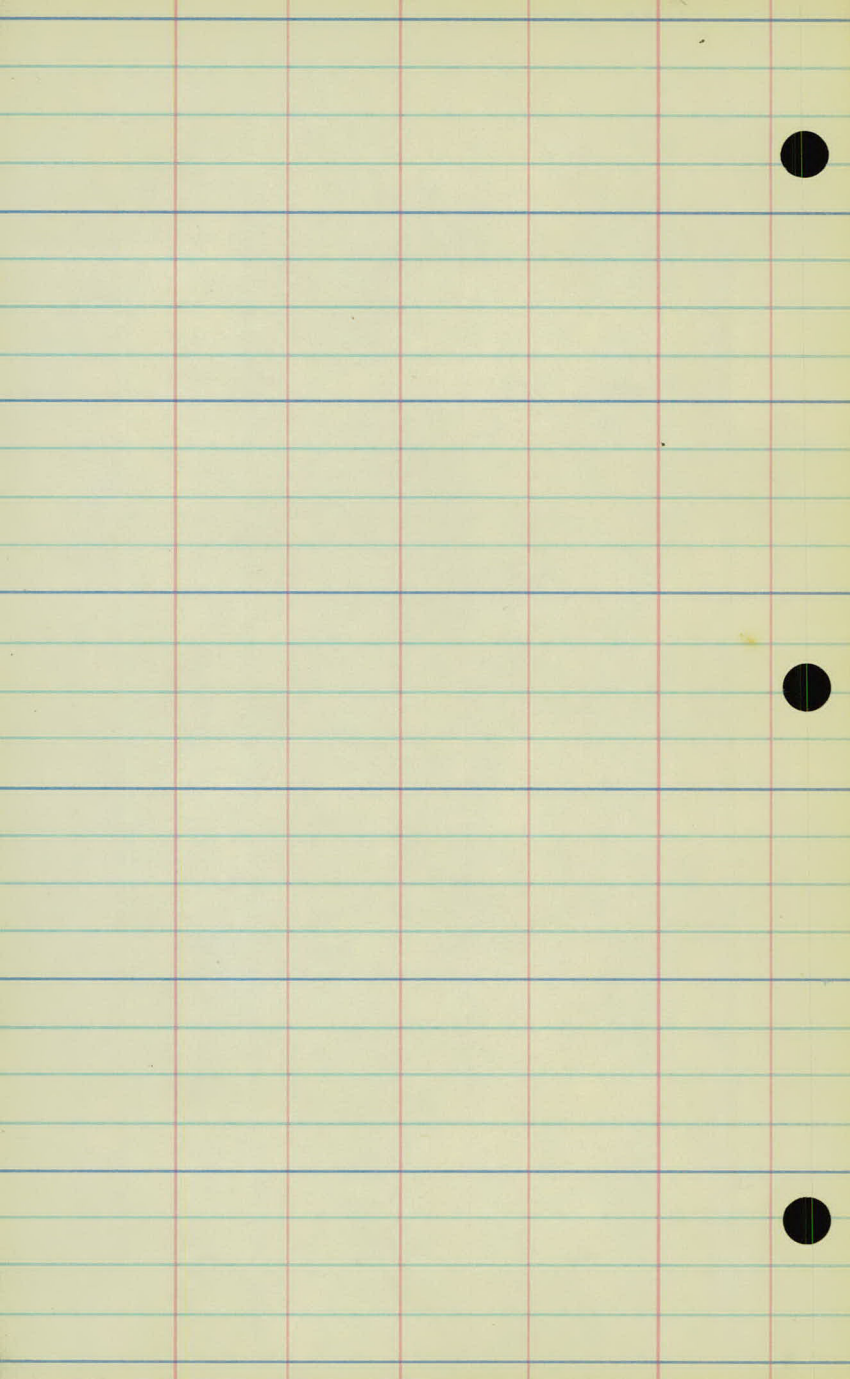
5.0 5.7 4.9 5.7

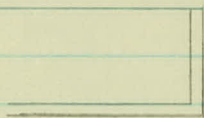
4.9 5.7 4.7 6.1

4.7 5.4 4.9 6.0

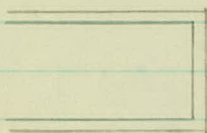
4.4 5.3 4.8 5.4

3.7

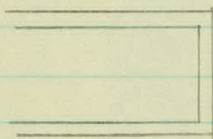




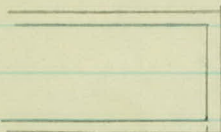
5th St.



4th St.

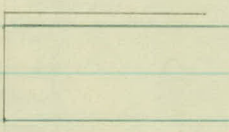
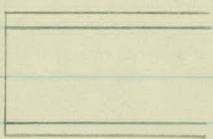
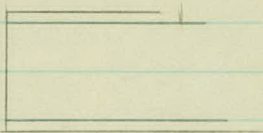


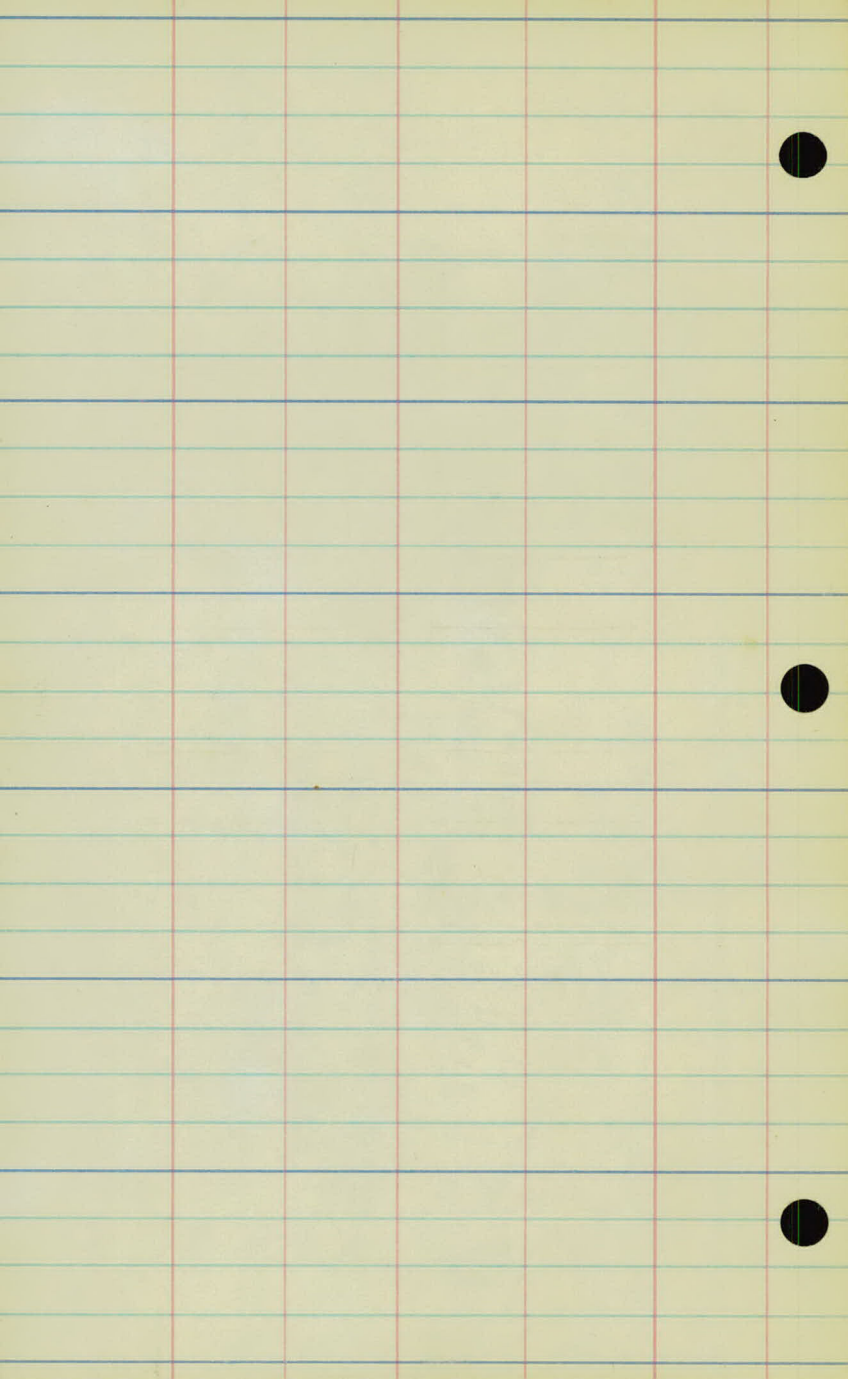
3rd St.



2nd St.

Cook Ave





Alignment

34 W.B. 1

Drainage

Bald Eagle Ave.
from

4th St. North

Sta. Point A-L A-R

17+10.0 P.O.T.

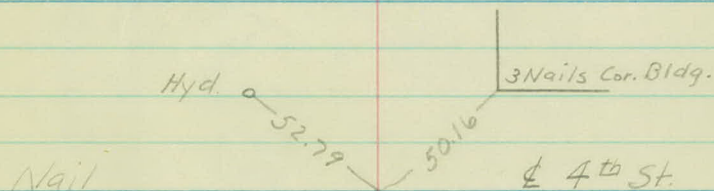
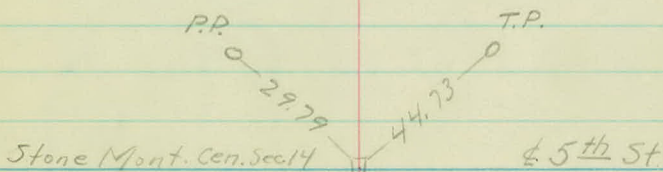
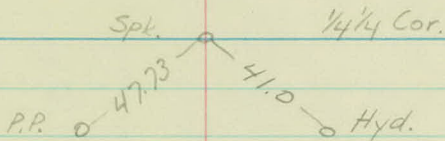
3+89.45 P.I. $0^{\circ}02'$

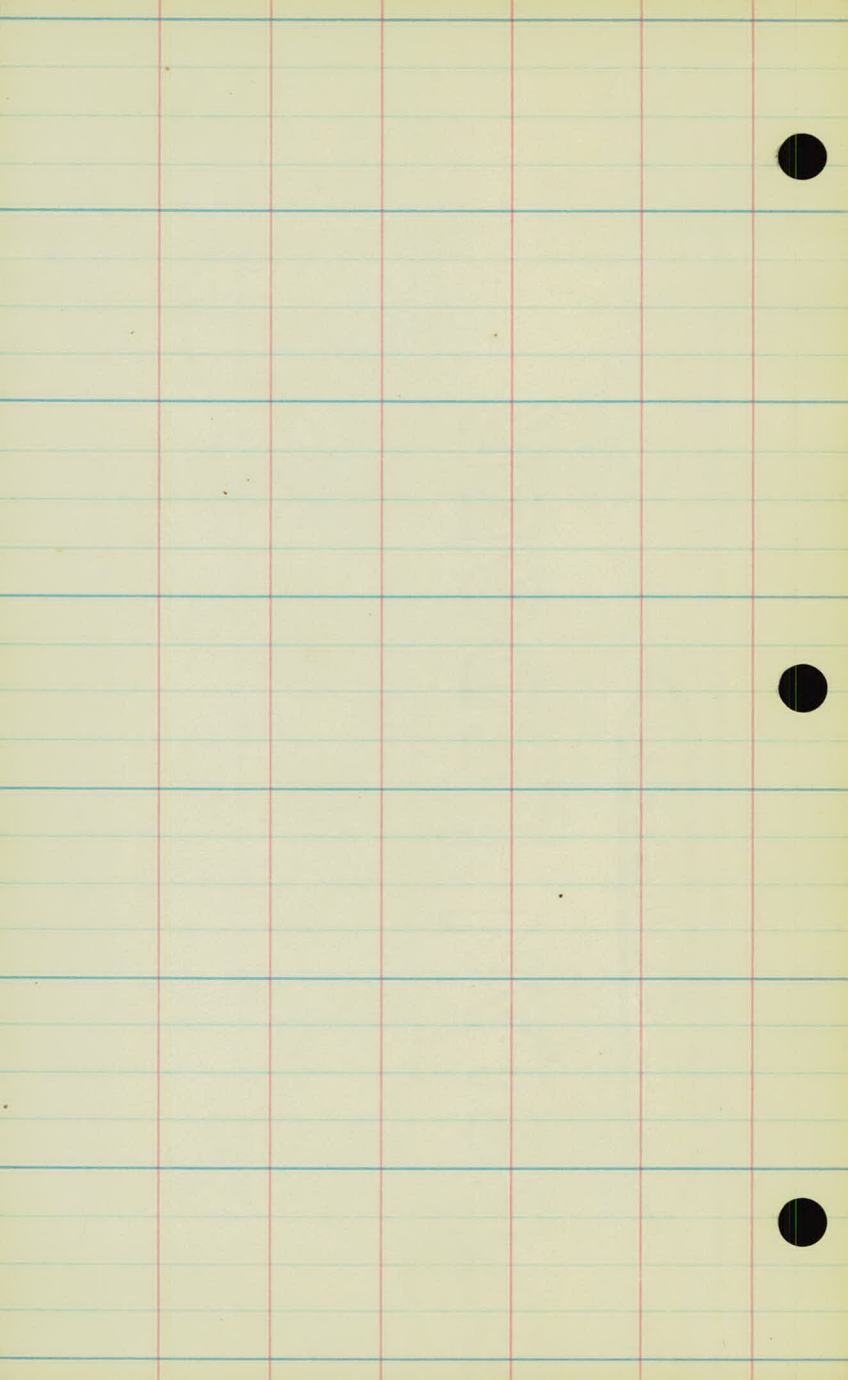
0+00

Stone Mont.



N. $\frac{1}{4}$ Cor. Sec. 14-30-22





Topog

34-W.B. 1

Bald Eagle Ave

2

1

0+00 @ 4th St.

+43-4 Dr.

+88-4 Dr. 5'X8' Conc Apron

+67-4 Dr. 5'X8' Conc Apron

+43-M.H. 13'

+04-P.P. 24'

Dr. To Wash
Rock

Filling
5±0

5'X3' Conc Box

+22-P.P. 25'

+43-Pave 10'

+37-X-Drain

+24-S.W. 28'

+10-Pave 40'

-10-Pave 35'

-16-C.B. 23.5'

-28-Drain 22.5'

-36-Pave 10'

12"X16' C.M.

15"X12' Vit.

4" Conc.

1'

15" Vit.

15" Vit.

15" Vit.

15" Vit.

15" Vit.

15" Vit.

15" Vit.

15" Vit.

15" Vit.

15" Vit.

15" Vit.

15" Vit.

15" Vit.

15" Vit.

15" Vit.

15" Vit.

18"X42' P3

Sanitary Sewer

4 Bold Eagle Ave 20' Block Top Pavement

Storm Sewer

+94-10"X10' C.M.
+92-T.P. 20'

+14-12"X10' Pipe

+39-T.P. 20'
+28-S.W. 26'
+28-N. Edge Walk 20'
+25-M.H. 14'
+24-Curb 20'
+14-Curb 33.5'

-16-Curb 27'
-28-Curb 19'
-32-C.B. 17'

Black Top

5

4

3

+76-P.P. 27'

+63-T.P. 19'

+91-Dr. 5'x8' Conc. Apron

+74-Dr. 5'x8' Conc. Apron

+22-Water Plug 28'

+08-P.P. 24'

+93-M.H. 14'

+04-Dr. 5'x8' Conc. Apron

+00-S.W. 28'

+98-Water Plug 26'

+70-Dr.

+55-P.P. 25'

4.5' Conc.

Sanitary Sewer

20' B. Top

Storm Sewer

+30-T.P. 19'

+08-Beg. S.W.
+06-10"x10' C.M.

+89.45-End S.W.
+89-12"x33' C.M. 18'
Storm Sewer
+74-End S.W. 20'
+73-M.H. 15'

+14-T.P. 19'

+00-S.W. 20'

9



8



7



6

Hay Field

+29-T.
+22- ϕ Dr.
+15-T.P. 19'
+09-T.
+03- ϕ Dr.

+90-T.

+56-T.

+41-T.

+41-P.P. 28'

Orchard

Sanitary Sewer

Storm Sewer

20' B. Top

4.5' Conc.

+52- ϕ Street 6 ft.
+52-M.H. 14'

+90-T.P. 19'
+86-Hyd. 21'
+82-T.

+61- ϕ Dr. 5' X 8' Appen
+52-Water Plug 25'

+44-T.

+34-End S.W. 28'
+29-P.P. 27'

+12-T.

+95-T.
+93-T.P. 19'
+79-T.

+61-T

+43-T.

+35- ϕ Dr.

+25-T. 23'
+12- ϕ Dr.
S.W. 26'

S.W. 28'

4.5' Conc.

12

11

10

+84-T.P. 19

+68-Water Plug 28'

+34-4 Dr.

+26-P.P. 28'

+51-M.H. 14'

+07-P.P. 28'

Sanitary sewer 2'

20' 3" Top

4.5' Cons.

School Property

+60-T.P. 19'

+15-Hy 4-22'

+56-M.H. 15'

+54-F. Con. 32'

+33-T.P. 19'

+31-T. 25'

+10-T.

+89-T.

+74-P.P.

+69-T.

16

15

14

13

+32-P.P.

+19- $\frac{1}{2}$ Dr.

+37-T. 34'

+04-T. 31'

+67-P.P. 26'

+26-M.H. 14'

Sanitary Sewer

Hoy Field

Ave

$\frac{1}{2}$ Bald Eagle 20' B. Top



45' Conc.



+35-T.P. 20'
5'x8' Apron
+25- $\frac{1}{2}$ Dr.

+16-T. 26'

+88-T. 26'

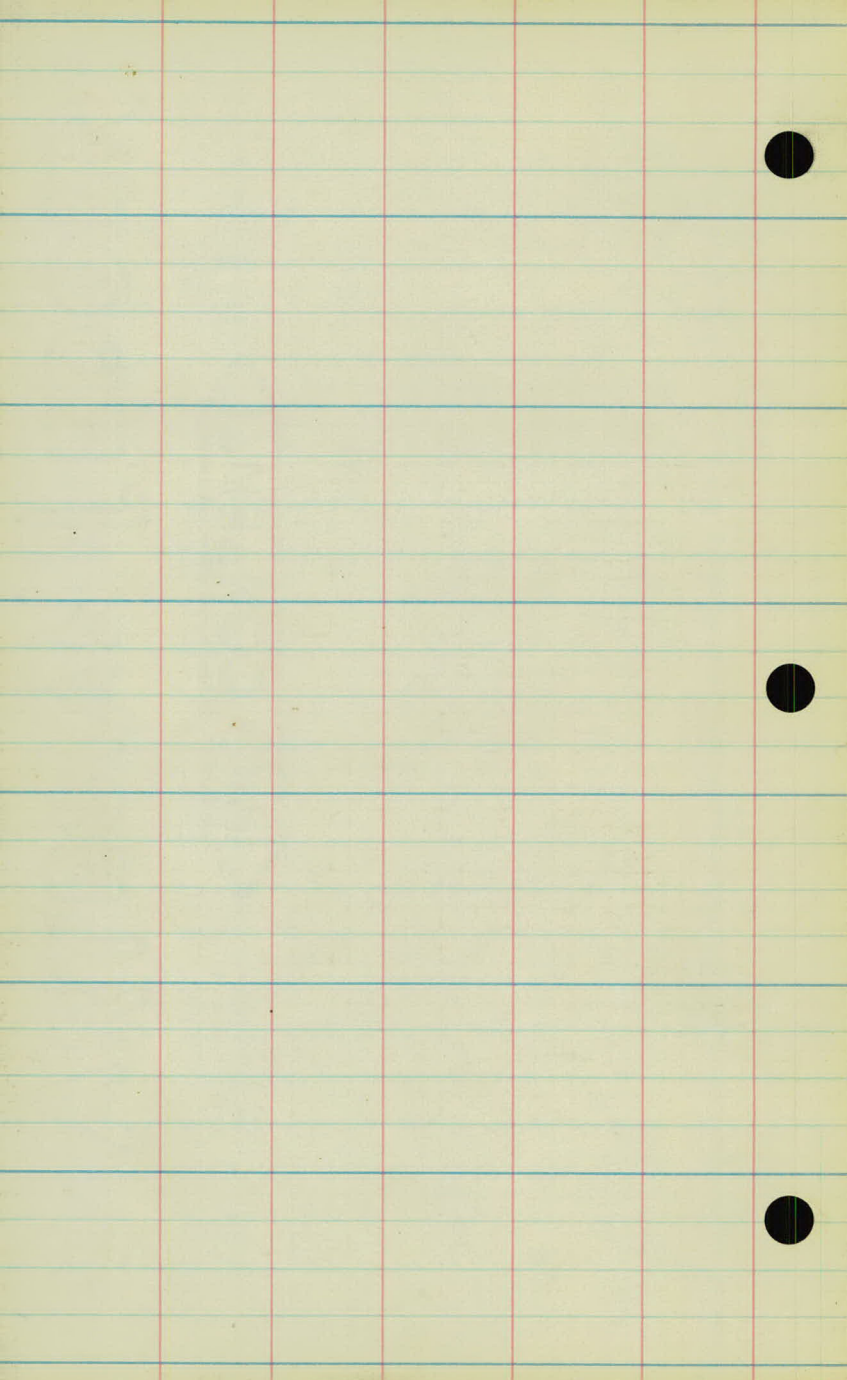
+54-T. 25'

5'x8' Conc Apron
+23- $\frac{1}{2}$ Dr.

+05-T.P. 19'

+49-F. Cor 32'

5.W. 27'



X-Sections

34-W.B.1

BALD EAGLE AVE.

B.M. 4.71 938.71 ✓ 934.00

0+00 $\nless 4^{th}$ St. 33.5

+29 33.4

+33 33.4

+50 33.4 -

1 33.5

+14 33.5 -

+50 33.6

2 33.6 -

+50 33.7

3 33.7

+50 33.7

+73 33.8

A.B.
D.S.
H.W.

6-11-34

Spk. in 24" Maple S.W. Cor. 4th St. & B.E. Ave

$\frac{5.2}{30}$ $\frac{5.2}{15}$ 5.2 $\frac{5.5}{15}$ $\frac{5.5}{35}$

$\frac{5.0}{33}$ $\frac{5.7}{14}$ $\frac{5.4}{10}$ 5.3 $\frac{5.9}{18}$ $\frac{5.5}{20}$ $\frac{5.4}{30}$

$\frac{5.0}{33}$ $\frac{5.7}{14}$ $\frac{5.4}{10}$ 5.3 $\frac{5.8}{16}$ $\frac{7.2}{19}$ $\frac{5.3}{21}$ $\frac{5.0}{30}$

$\frac{5.0}{33}$ $\frac{5.0}{28}$ $\frac{5.6}{21}$ $\frac{5.4}{10}$ 5.3 $\frac{5.5}{10}$ $\frac{5.3}{15}$ $\frac{7.0}{18}$ $\frac{7.0}{19}$ $\frac{5.3}{21}$ $\frac{4.9}{30}$

$\frac{5.1}{32}$ $\frac{5.4}{10}$ 5.2 $\frac{5.4}{10}$ $\frac{5.4}{15}$ $\frac{6.5}{17}$ $\frac{6.5}{20}$ $\frac{5.0}{22}$ $\frac{4.9}{30}$

$\frac{4.9}{32}$ $\frac{5.4}{10}$ 5.2 $\frac{5.4}{10}$ $\frac{5.2}{15}$ $\frac{6.4}{17}$ $\frac{6.4}{20}$ $\frac{5.1}{22}$ $\frac{5.1}{30}$ $\frac{6.6}{36}$ $\frac{6.6}{40}$

$\frac{4.9}{32}$ $\frac{5.2}{20}$ $\frac{5.3}{10}$ 5.1 $\frac{5.3}{10}$ $\frac{5.4}{15}$ $\frac{6.5}{17}$ $\frac{6.5}{19}$ $\frac{5.4}{22}$ $\frac{5.1}{26}$ $\frac{5.1}{30}$ $\frac{6.1}{35}$ $\frac{6.1}{40}$

$\frac{4.8}{32}$ $\frac{4.8}{28}$ $\frac{5.3}{19}$ $\frac{5.2}{10}$ 5.1 $\frac{5.2}{10}$ $\frac{5.1}{14}$ $\frac{6.8}{17}$ $\frac{4.9}{22}$ $\frac{4.9}{30}$ $\frac{6.1}{37}$ $\frac{6.1}{40}$

$\frac{4.8}{28}$ $\frac{5.5}{21}$ $\frac{5.2}{10}$ 5.0 $\frac{5.1}{10}$ $\frac{4.8}{14}$ $\frac{6.8}{18}$ $\frac{4.7}{22}$ $\frac{4.8}{30}$

$\frac{5.5}{40}$ $\frac{5.5}{36}$ $\frac{4.9}{32}$ $\frac{4.9}{28}$ $\frac{5.3}{20}$ $\frac{5.1}{10}$ 5.0 $\frac{5.1}{10}$ $\frac{4.8}{14}$ $\frac{7.1}{17}$ $\frac{5.1}{22}$ $\frac{4.8}{30}$ $\frac{5.7}{36}$ $\frac{5.7}{40}$

$\frac{6.6}{42}$ $\frac{6.6}{38}$ $\frac{4.8}{32}$ $\frac{4.8}{28}$ $\frac{6.1}{24}$ $\frac{6.1}{19}$ $\frac{5.1}{13}$ $\frac{5.1}{10}$ 5.0 $\frac{5.1}{10}$ $\frac{4.8}{13}$ $\frac{6.8}{17}$ $\frac{5.1}{21}$ $\frac{4.8}{30}$ $\frac{5.8}{35}$ $\frac{5.8}{40}$

$\frac{6.4}{40}$ $\frac{6.4}{37}$ $\frac{4.8}{32}$ $\frac{4.8}{28}$ $\frac{6.1}{21}$ $\frac{4.9}{15}$ $\frac{5.0}{10}$ 4.9 $\frac{5.1}{10}$ $\frac{5.1}{14}$ $\frac{6.5}{17}$ $\frac{4.9}{22}$ $\frac{4.6}{30}$ $\frac{4.9}{33}$ $\frac{4.9}{37}$

938.71

3+74

33.8 ✓

T.P.

2.13

939.11 ✓

1.73

936.98 ✓

4

33.8

+14

33.8

+50

33.9

5

34.0

+50

34.0

6

34.0

+50

34.1

7

34.2

+50

34.2

8

T.P.

1.56

938.68 ✓

1.99

34.3 ✓

937.12 ✓

+50

34.4

9

34.4

$\frac{6.4}{40}$ $\frac{6.4}{37}$ $\frac{4.8}{32}$ $\frac{4.8}{28}$ $\frac{6.1}{21}$ $\frac{4.9}{15}$ $\frac{5.0}{10}$ 4.9 $\frac{5.1}{10}$ $\frac{5.1}{14}$ $\frac{5.2}{17}$ $\frac{4.9}{22}$ $\frac{4.6}{30}$ $\frac{4.9}{33}$ $\frac{4.9}{87}$

Top of Hyd. N.E. Cor. 5th St & B.E. Ave

$\frac{6.8}{45}$ $\frac{6.6}{38}$ $\frac{5.1}{32}$ $\frac{5.1}{28}$ $\frac{5.7}{25}$ $\frac{5.2}{12}$ $\frac{5.4}{10}$ 5.3 $\frac{5.5}{10}$ $\frac{5.5}{24}$ $\frac{6.2}{40}$ $\frac{6.3}{50}$ $\frac{6.2}{60}$

$\frac{5.2}{39}$ $\frac{5.1}{32}$ $\frac{5.1}{28}$ $\frac{5.3}{26}$ $\frac{5.2}{12}$ $\frac{5.4}{10}$ 5.3 $\frac{5.5}{10}$ $\frac{5.4}{18}$ $\frac{5.1}{26}$ $\frac{5.1}{30}$ $\frac{5.7}{35}$ $\frac{5.7}{40}$

$\frac{5.1}{32}$ $\frac{5.1}{28}$ $\frac{5.3}{20}$ $\frac{5.4}{10}$ 5.2 $\frac{5.4}{10}$ $\frac{5.2}{16}$ $\frac{5.4}{17}$ $\frac{5.1}{26}$ $\frac{5.1}{30}$ $\frac{5.0}{35}$

$\frac{5.0}{32}$ $\frac{5.0}{28}$ $\frac{5.6}{26}$ $\frac{5.8}{17}$ $\frac{5.4}{15}$ $\frac{5.3}{10}$ 5.1 $\frac{5.3}{10}$ $\frac{5.1}{14}$ $\frac{5.4}{20}$ $\frac{5.1}{26}$ $\frac{5.1}{30}$

$\frac{5.0}{32}$ $\frac{5.0}{28}$ $\frac{5.6}{24}$ $\frac{5.5}{16}$ $\frac{5.3}{14}$ $\frac{5.3}{10}$ 5.1 $\frac{5.3}{10}$ $\frac{5.0}{12}$ $\frac{4.9}{26}$ $\frac{4.9}{30}$

$\frac{4.9}{32}$ $\frac{4.4}{28}$ $\frac{5.8}{20}$ $\frac{5.5}{11}$ $\frac{5.2}{10}$ 5.1 $\frac{5.2}{10}$ $\frac{4.8}{16}$ $\frac{4.8}{30}$

$\frac{4.8}{32}$ $\frac{4.8}{28}$ $\frac{5.4}{21}$ $\frac{5.2}{10}$ 5.0 $\frac{5.1}{10}$ $\frac{4.9}{12}$ $\frac{4.6}{26}$ $\frac{4.6}{30}$

$\frac{4.7}{32}$ $\frac{4.7}{28}$ $\frac{5.5}{21}$ $\frac{5.3}{18}$ $\frac{5.1}{10}$ 4.9 $\frac{5.0}{10}$ $\frac{4.7}{13}$ $\frac{4.4}{20}$ $\frac{4.4}{30}$

$\frac{5.0}{45}$ $\frac{4.8}{24}$ $\frac{5.0}{10}$ 4.9 $\frac{5.0}{10}$ $\frac{4.7}{13}$ $\frac{4.4}{22}$ $\frac{4.5}{30}$

$\frac{5.4}{30}$ $\frac{5.6}{22}$ $\frac{5.0}{15}$ $\frac{5.0}{10}$ 4.8 $\frac{5.0}{10}$ $\frac{4.8}{17}$ $\frac{4.6}{26}$ $\frac{4.6}{30}$ $\frac{5.2}{33}$ $\frac{5.2}{65}$

Top of Hyd. 6th St.

$\frac{4.8}{35}$ $\frac{4.8}{26}$ $\frac{5.4}{21}$ $\frac{4.6}{14}$ $\frac{4.5}{10}$ 4.3 $\frac{4.4}{10}$ $\frac{4.7}{24}$ $\frac{4.2}{26}$ $\frac{4.2}{30}$ $\frac{4.7}{34}$ $\frac{4.7}{40}$

$\frac{4.7}{35}$ $\frac{4.7}{27}$ $\frac{5.1}{22}$ $\frac{4.9}{14}$ $\frac{4.5}{10}$ 4.3 $\frac{4.5}{10}$ $\frac{4.8}{20}$ $\frac{4.3}{26}$ $\frac{4.3}{30}$ $\frac{4.5}{35}$

938.68 ✓

9 +50

34.4

10

34.5

+50

34.5

11

34.6

B.M.

1.51

937.17 ✓

+50

34.7

12

34.8

+50

34.8

13

T.P.

5.01

939.72 ✓

3.97

934.71 ✓

+50

34.9

14

35.0

+50

35.0

15

35.0

+50

35.1 -

$\frac{4.7}{3.4}$	$\frac{5.2}{20}$	$\frac{4.5}{14}$	$\frac{4.4}{10}$	4.3	$\frac{4.4}{10}$	$\frac{4.4}{15}$	$\frac{4.6}{19}$	$\frac{4.6}{23}$	$\frac{4.1}{26}$	$\frac{4.1}{30}$	$\frac{4.3}{33}$
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$\frac{4.5}{3.4}$	$\frac{5.6}{24}$	$\frac{4.7}{15}$	$\frac{4.4}{10}$	4.2	$\frac{4.4}{10}$	$\frac{4.5}{21}$	$\frac{3.9}{26}$	$\frac{3.9}{30}$
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$\frac{4.0}{3.4}$	$\frac{5.1}{25}$	$\frac{4.6}{15}$	$\frac{4.3}{10}$	4.2	$\frac{4.3}{10}$	$\frac{4.2}{21}$	$\frac{3.8}{27}$	$\frac{3.8}{31}$
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$\frac{4.3}{3.5}$	$\frac{5.1}{24}$	$\frac{4.8}{16}$	$\frac{4.3}{10}$	4.1	$\frac{4.3}{10}$	$\frac{4.2}{13}$	$\frac{4.5}{16}$	$\frac{4.5}{21}$	$\frac{3.8}{27}$	$\frac{3.8}{31}$
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Top of Hyd. Sta. 11

$\frac{4.6}{4.0}$	$\frac{4.9}{31}$	$\frac{4.0}{17}$	$\frac{4.2}{10}$	4.0	$\frac{4.2}{10}$	$\frac{4.0}{11}$	$\frac{4.6}{16}$	$\frac{4.6}{21}$	$\frac{3.9}{27}$	$\frac{3.9}{31}$
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$\frac{4.7}{3.5}$	$\frac{5.1}{24}$	$\frac{4.1}{14}$	$\frac{4.1}{10}$	3.9	$\frac{4.1}{10}$	$\frac{4.3}{13}$	$\frac{4.6}{17}$	$\frac{4.4}{24}$	$\frac{3.8}{27}$	$\frac{3.8}{31}$
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$\frac{4.0}{3.5}$	$\frac{5.1}{26}$	$\frac{4.5}{17}$	$\frac{4.1}{10}$	3.9	$\frac{4.1}{10}$	$\frac{4.2}{14}$	$\frac{4.5}{19}$	$\frac{3.8}{27}$	$\frac{3.8}{31}$
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$\frac{4.1}{3.2}$	$\frac{4.8}{25}$	$\frac{4.7}{20}$	$\frac{4.2}{17}$	$\frac{4.0}{10}$	3.8	$\frac{4.0}{10}$	$\frac{3.9}{14}$	$\frac{4.2}{18}$	$\frac{3.7}{27}$	$\frac{3.7}{31}$
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$\frac{5.3}{3.3}$	$\frac{6.0}{26}$	$\frac{5.1}{16}$	$\frac{5.0}{10}$	4.8	$\frac{4.9}{10}$	$\frac{5.0}{16}$	$\frac{4.6}{27}$	$\frac{4.6}{31}$
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$\frac{5.2}{3.0}$	$\frac{6.1}{25}$	$\frac{5.3}{17}$	$\frac{4.9}{10}$	4.7	$\frac{4.9}{10}$	$\frac{4.9}{15}$	$\frac{5.4}{18}$	$\frac{4.8}{22}$	$\frac{4.6}{27}$	$\frac{4.6}{31}$
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$\frac{5.3}{3.0}$	$\frac{6.1}{24}$	$\frac{5.1}{14}$	$\frac{4.9}{10}$	4.7	$\frac{4.8}{10}$	$\frac{4.6}{14}$	$\frac{5.2}{18}$	$\frac{4.7}{22}$	$\frac{4.5}{27}$	$\frac{4.5}{31}$	$\frac{5.3}{40}$
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$\frac{5.0}{3.1}$	$\frac{5.7}{24}$	$\frac{4.9}{16}$	$\frac{4.8}{10}$	4.7	$\frac{4.8}{10}$	$\frac{4.5}{14}$	$\frac{5.0}{16}$	$\frac{4.4}{23}$	$\frac{4.4}{31}$	$\frac{4.8}{36}$
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$\frac{5.1}{2.8}$	$\frac{5.6}{23}$	$\frac{4.7}{15}$	$\frac{4.7}{10}$	4.6	$\frac{4.7}{10}$	$\frac{4.4}{14}$	$\frac{4.8}{16}$	$\frac{4.3}{20}$	$\frac{4.2}{31}$
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✓
939.72

16

35.1

+50

35.2

17

So. Side 9th St.

35.3 ✓

B.M.

1.38

938.34

5.0	5.3	4.9	4.7		4.7	4.5	4.9	4.2	4.0	4.0
28	23	18	10	4.6	10	14	17	19	27	31

4.6	5.2	4.7	4.6		4.6	4.2	4.7	4.4	4.0	4.0
29	24	18	10	4.5	10	13	17	18	27	31

5.5	4.4	4.5		4.5	4.8	4.5
44	22	10	4.4	10	23	35

Top of Hyd. 9th St & B.E. Ave

