

Book 43 Dr 14

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

PLAN

Survey

B FIFTH STR.

From Bald Eagle Ave To Washington Ave

Banning To Lake Ave
Road Acc't. No.

Date Filed. J-30-43

File

PLAN SURVEY

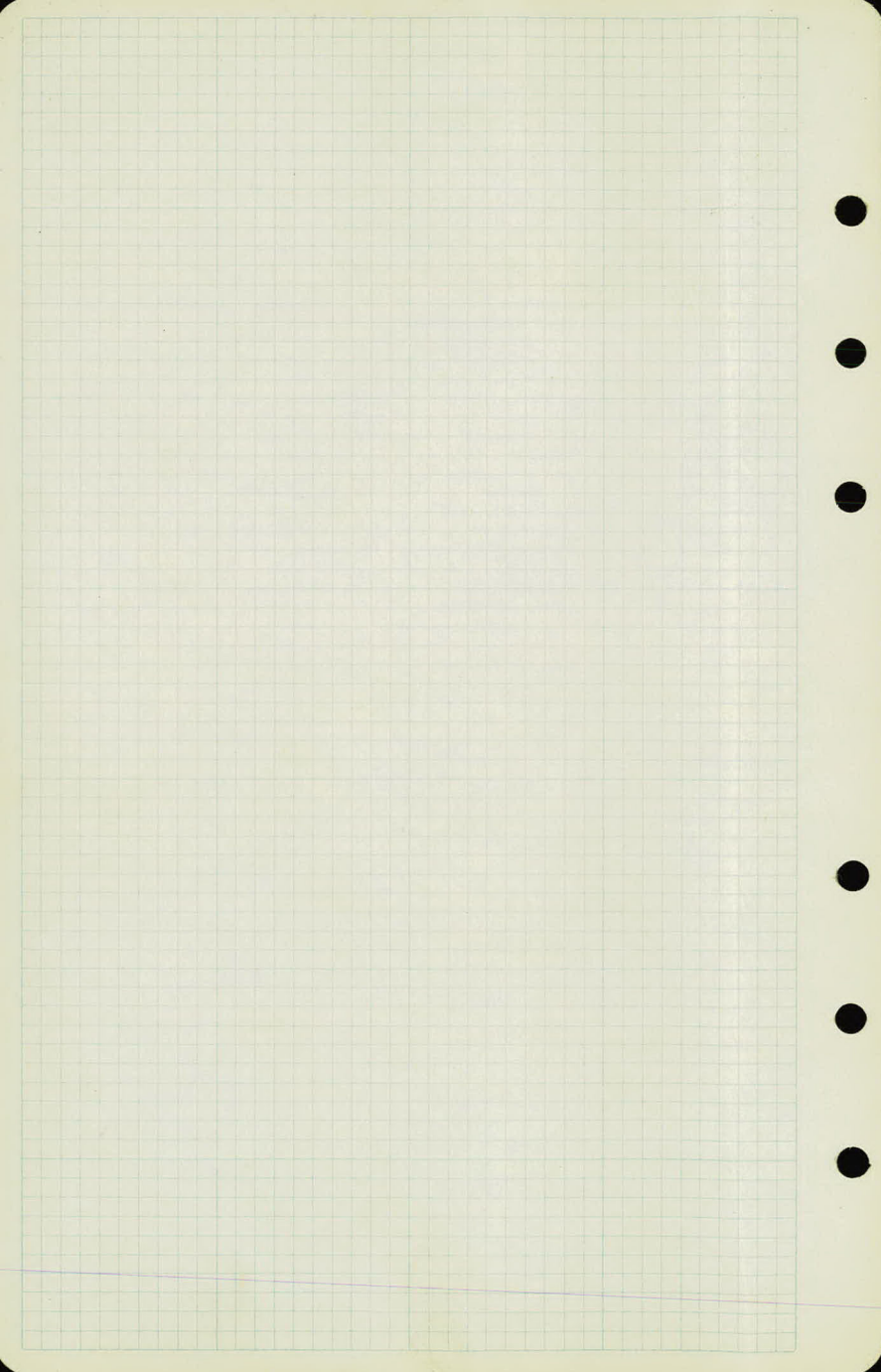
FIFTH STR

BALD EAGLE AVE To Washington

4/24/42
HAW
AM
LC
CF
LL

Index	Pages
Align	1 to 5
Topography	6 to 9
X Sections	10 to 18

Completed
4/27/42



Align

Sta

Pt

ΔL

ΔR

4+62.9

P.O.T

$\pm$ Central Ave

2+46.48

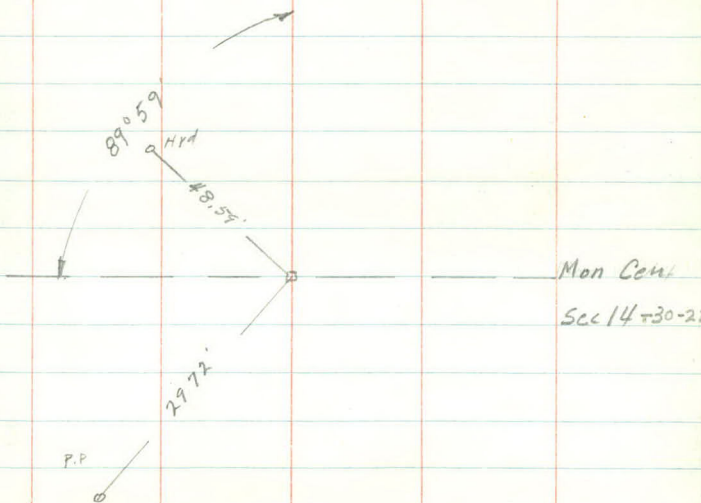
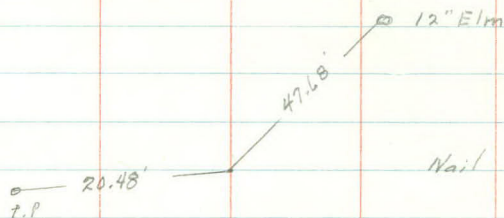
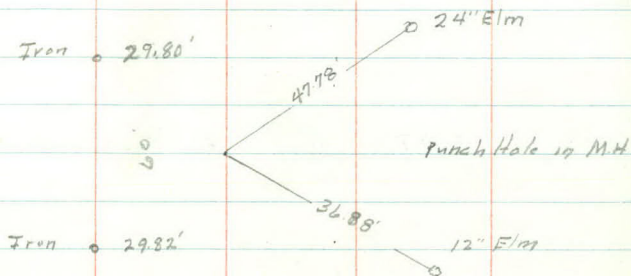
P.O.T

$\pm$ Murray Ave

0+00

P1

Description



SCC 14-30-2

Sta	Pt	Δ Lt	Δ Rt
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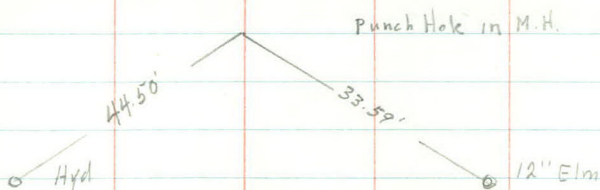
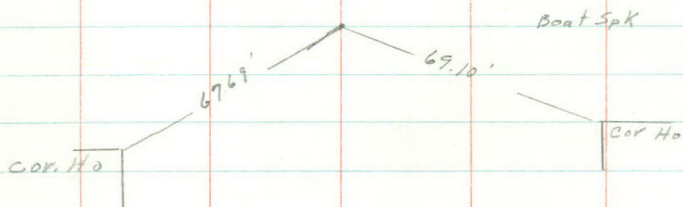
13+21.45	P.O.T	Δ	Division Str
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	P.O.T	Δ	White Bear Ave South
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	P.O.T	Δ	White Bear Ave North
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6+01.07	P.O.T.	Δ	Miller Ave
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Description



Sta

Pt

ΔL

ΔP

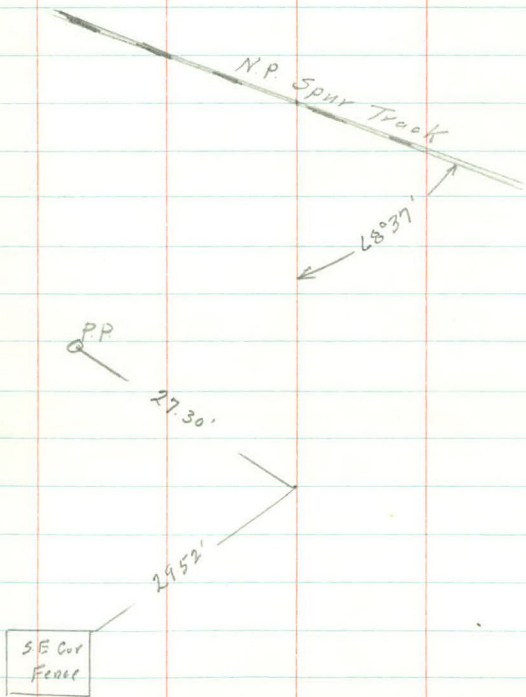
15+36.32

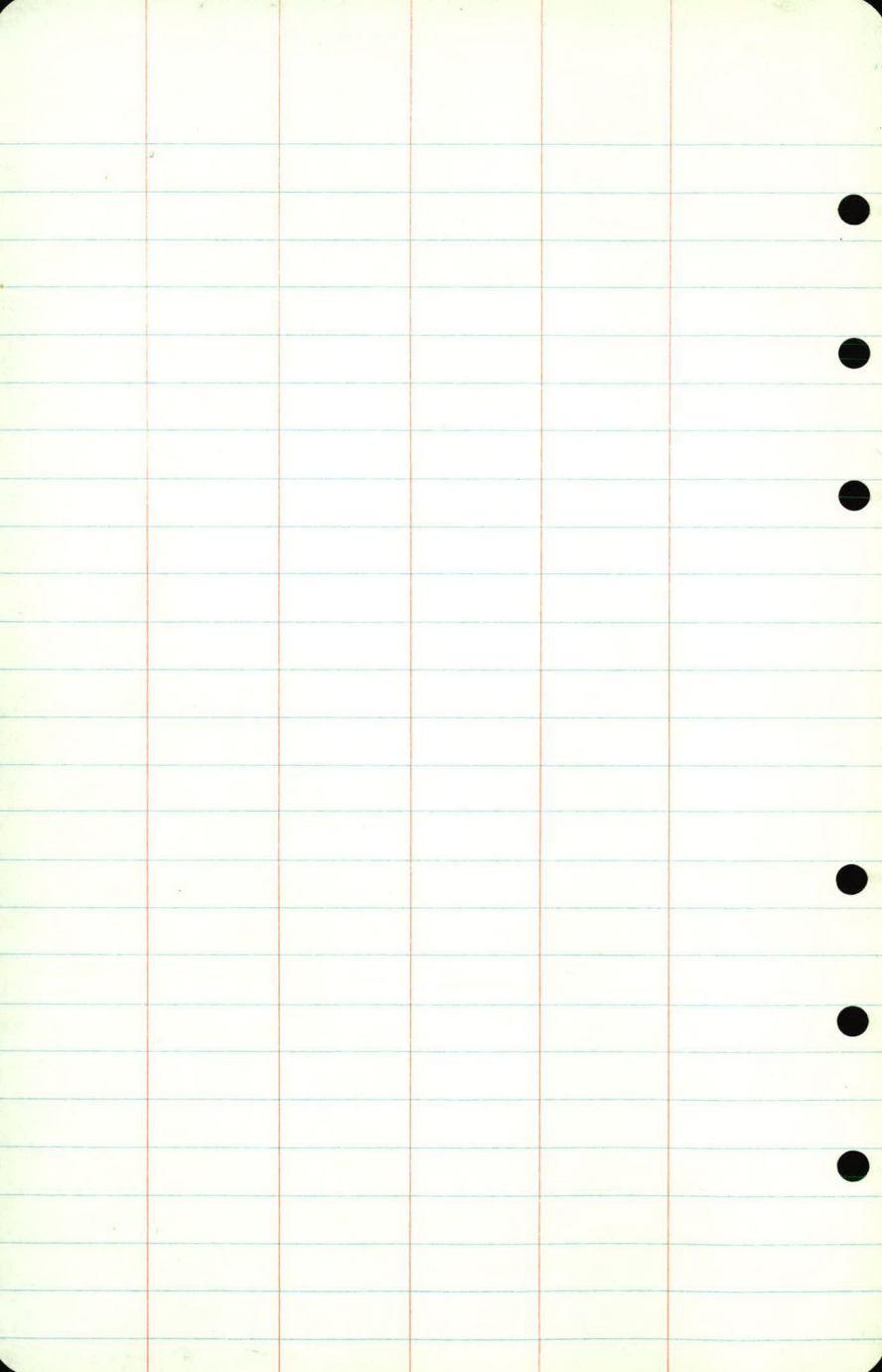
P.O.T.

15+00

P.O.T.

Description





TOPOGRAPHY

6 12' Rd

5 10' 15'

4 10' 15'

3 13' 14'

2 12' 13'

+73 24" E/m 30'

1 13 12'

0 +10 Edge Pav

+93 P.P. 20'
+82 Ent
+61 Hyd 21.5'
+52 15" B.E. 33'
+31 15" Elm 34'

+92 End Rad 10'
+81 P.P. 21'
+75 Beg Rad 34'
+64 San M.H. 0.3'
+50 End Rad 34'
+23 Beg Rad 10'

+60 P.P. 21'

+42 P.P. 22'
+15 12" B.E. 30'
+06 Ent
+99 Fe Coy 22'

+40 Water Shut off 29'
+37 4" Walk 29'
+36 Fe Coy 22'
+30 6" Elm 30'
+10 P.P. 20'
+01 4" Elm 30'

+72 4" Elm 30'

+43 Hyd. 22'
+34 End 12" C.M. 17.7'
+30 Edge Walk 18'
+25.5 Edge Walk 18'
+19 M.H. C.B. 30'

+92 Storm M.H. 15.6'
+86.5 End Rad 20'
+82.5 Curb Inlet 19.5'
+77 10" Elm 24'
+71.5 Beg Rad 15.0'
+54 8" Elm 24'
+30 15" Elm 24'

+07 24" Elm 24'

+81 10" Elm 24'

+57 20" Elm 24'

+33 15" Elm 23'

+23 Ent

+08 24" Elm 23'

+61 12" Elm 23'

+38 20" Elm 23'

+14 20" Elm 23'

+88 Elm 23'

+75 End Rad 15.2'

+66 Curb Inlet 18.5'

+62 Beg Rad 30'

+44 San. M.H. 1.0'

+36 Storm M.H. 16.3'

+32 End Rad 30'

+27.5 Curb Inlet 19.5'

+17 Beg Rad 15.2'

+30.5 Edge Walk 15.6'

+26 Edge Walk 15.6'

+19 M.H.C.B. 2.5'

+15 M.H. 16'

20' Bit. Pavc

13

12' 14'
 +98.5' X Walk
 +94 X Walk

+62 Bush }
 +60 " } 23'
 +54 " }
 +47 " }

+99 Walk 12'
 +93 Walk 16'

12

11' 10'

11

12' 11'

+92 12" Elm 21'

10

12' 12'

+81 PP 20'
 +76 Cor Walk 24'
 +72 Curb Inlet 19'
 +72 Beg Walk 20.5'
 +55.5 San. M.H. 0.5'

+80 Edge Blacktop

+77 12" B.E. 22'
 +88 Beg Walk 14.6'
 +84 Beg Walk 16.3'
 +77 Beg Road 29.5'
 +76 C.B. 29.5'

+26 Edge Blacktop

9

12' 13'

+26 Storm M.H. 15.2

8

12' 14'

7

12' 15'

6

+06 End 8' C.M. 20' 8' 1' Headwall

+99 Walk 15.7'
+93 Walk 15.7'
+44 P.P. 20'

+89 Storm M.H. 15'
+70 P.P. 21'

+29 & 35 Walk 65 Stop 29

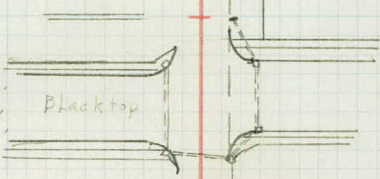
+70 12" B.E. 30'
+55 Ent.
+47.5' Hvd 22'
+31 ALley
+24 P.P. 20'

+48 End Fe. 30.5'
+45 Water Shutoff 18'
+39 P.P. 21'

+20 12" Elm 21'
+145 Water Shutoff 20'
+08 & 2' Walk 30'
+07 12" Elm 21'

+79 Beg Fe. 30.5'
+78 10' Elm 21'
+72 Ent.
+66 12" Elm 21'
+48 Cor Wall 180.5'
+17 & 4' Walk 31'
+12 12" B.E. 20'

+98 & 3' Walk 30'
+84 End Walk 13'
+84 End Rad 12.5'
+69.5 Beg Rad 29.3'
+33.5 End Rad 27.6'
+30 Edge Walk 19.7'
+29.5 Curb Inlet 17'
+26.5 Beg Walk 16.6'
+18.5 Beg Rad 12.6'



+99 End 12' C.M. 3' Headwall
+88 Beg Wall 30.5'
+72 End Rad 13.3'
+41.5 C.B. 29.5'
+41 End Rad 28.5'
+38 Walk 20.8'
+34 Walk 24.4'
+28 Δ In Walk 13.5'
+26 Beg Walk 14'
+26 Beg Rad 13.2'

+53 P.P. 20'

+42 Ent.

+84 Ent.

+71 Ent.

+33 P.P. 20'

+31 & 2' Brick Walk 29'

+85 Ent.
+75 15" B.E. 34'
+63 & 3' Walk 29'
+55 Water Shutoff 22'
+53 15" B.E. 30'

+32 Ent.

+31 End Rad 15'
+21 Curb Inlet 19.5'

+06 & 3' Walk 25'
+01 San M.H. 05'

17

16

+36.32 * Spur Track

15

+92 Fe Cor 29'
+83 PP 20'
+74 Fe Cor 29'

+71 Stu 12'

14

17 2'

+50

15' 0

+34 Edge Blacktop

13

+08 Edge Blacktop

+02 Oak 21'

Note ALLOW For Ent
on other side of Trans. Sta.

+64 ± 2' Piller 28'

+59 Ent

+54.5 End Wall 28'

+30 ± 4' Walk 277

+18 San M.H. 20

+17.5 Reg Wall 28'

Hedge 29'

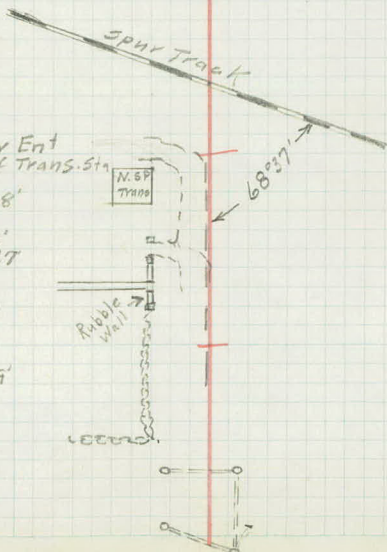
+52 Cor Hedge 25'

+39 P.P. 21'

+36 M.H.C.B. 22'

+19 San M.H. 25'

+06 M.H.C.B. 215'



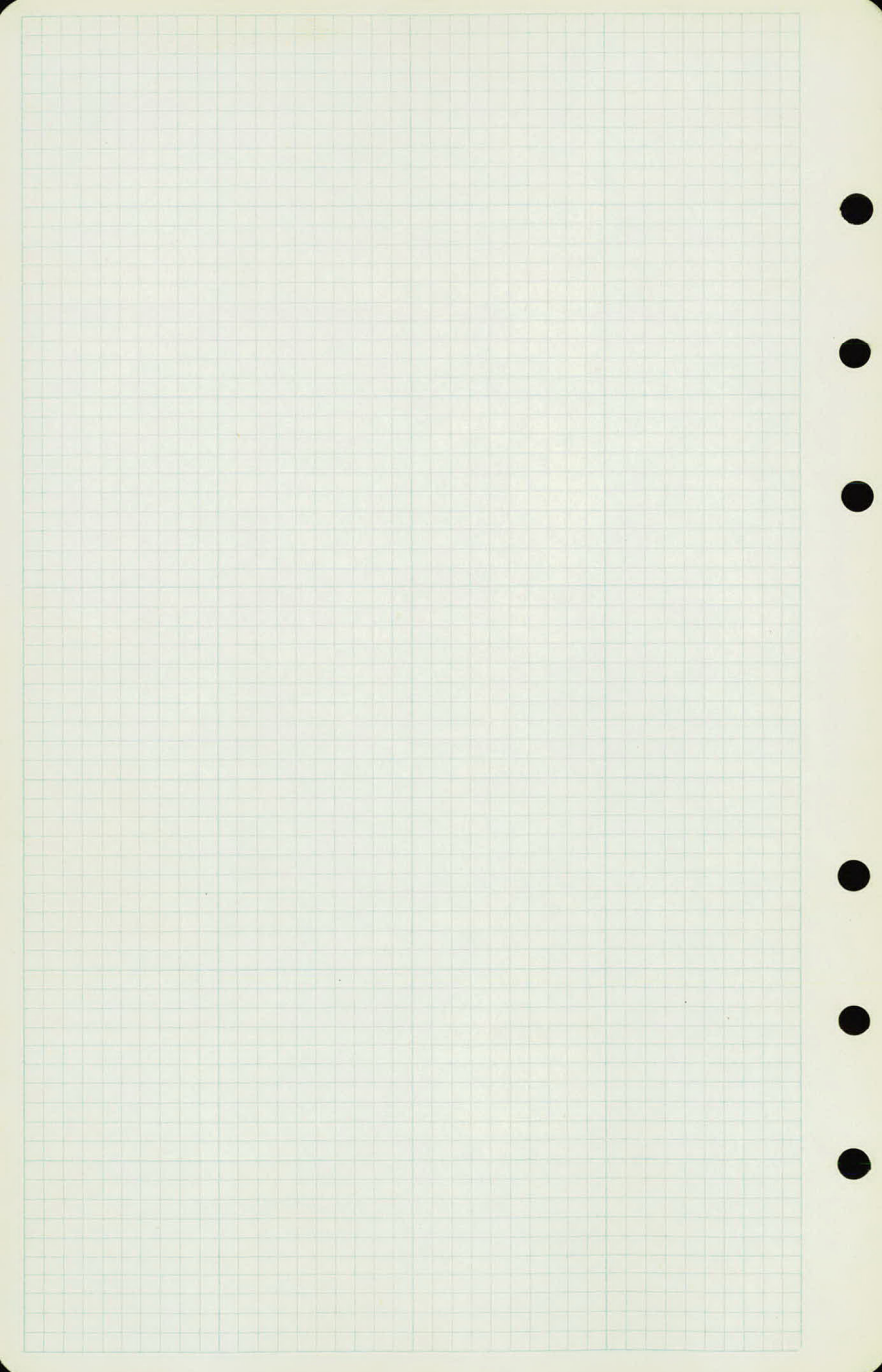
+53 Oak 20'

+50 Oak 15'

+42 Twin Oak 9'

+36 M.H.C.B. 165'

+06 Ent 8" CM 20'



X sections

Fifth Str

Bald Eagle Ave to N.P.R.O.W

Sta	+	Δ	-	Elev
B M	3.00	939.41.		936.41.
B.M	2.41	939.41.	2.41	937.00.
0 + 00				33.8.
+ 10				33.6.
+ 16		M.H.		33.7.
+ 20		M.H. catch Basin		
+ 26				33.6.
+ 30				33.5.
+ 34		Culv.		
+ 50				33.5.
1				33.7.
+ 37		side Walk.		
+ 50				34.0.

L+

Z

R+

SPK in P.P.N. Side 5th + Murray Ave
 Top Hrd N.E. Cor 5th + Bald Eagle Ave

5.5 5.6 5.6 5.6 5.7
 50 25 25 25 50

5.76 5.81 5.8 5.82 5.86
 50 25 27 50

57 33.46 T.O.P F.I. 28.7
 5.95 10.71
 16 16

32.97

6.44

29

34.02

33.99

33.75

33.99

5.91 5.39 5.92 5.9 5.8 6.0 5.66 5.92 5.52
 50 31 18 15 14 15.5 19.5 50

5.35 5.33 5.96 6.0 5.9 6.0 5.66 5.90 5.96 5.45
 50 30 18 19 13 15.5 19.5 30 50

32.56

F.I.

6.85

18

33.4

5.7 6.0 6.1 6.3 5.9 6.2 6.5 6.1 5.8
 50 30 14 12 18 22 30 50

4.4 5.3 5.9 6.4 6.0 5.7 6.1 5.7 5.6 5.0
 50 30 15 12 9 12 16 30 50

34.46

19.5

29

34.2

4.8 5.2 5.5 6.0 5.4 6.0 5.6 5.7 5.2
 50 30 16 12 12 17 30 50

33.7

Sta + - Elev

939.41.

2 +00

34.7.

+17

35.0.

+32

35.2.

+32

35.2.

B.M. 461 941.02. 300 936.41.

+36

M. H

+46

35.4.

+62

35.4.

+62

35.4.

+77

35.3.

3

35.0.

+50

35.3.

Lt £ RT

34.8
4.6 4.6 5.0 5.3 4.7 5.3 5.0 5.0 5.5
50 30 14 12 13 14 30 50

35.0
4.3 4.4 4.1 5.1 4.4 4.8 4.3 5.0
50 30 14 11 16 20 50

4.7 4.3 3.6 4.3 4.2 4.9 4.2 4.8 5.3 4.8 5.19
50 30 24 17 14 11 23 27 29 50

ditto + 32 ↑

42 45 4.8 5.3 4.9
13 23 27 50

SpK. in P.P. N. side 5th + Murry Ave.

80 Top F.I.
34 6.22 11.87
16 16 29.15
35.37 5.65 - Top Sqn. Sewer

6.4 5.2 5.5 6.2 5.6 6.2 5.9 6.1 6.3
50 22 15 11 14 21 30 50

6.4 5.5 5.5 6.0 5.6 5.9 6.7 6.7
50 22 15 11 9 29 50

ditto + 12 ↑

5.6 6.8 6.37 6.42
18 29 50

35.2
6.2 5.8 5.5 6.1 5.7 6.2 6.7 6.40 5.8 5.7
50 30 14 11 9 15 15 22 50

Gutter Top curb 34.52

35.3
6.3 5.7 6.6 5.7 6.1 6.0 6.5 5.7 5.6 5.4
50 30 20 13 10 15 22 30 50

35.2
6.3 5.8 5.4 5.8 6.0 5.7 5.9 6.5 6.2 5.6 5.2
50 30 21 11 10 10 14 15 30 50

35.4

Sta + π - E/100
 941.02

4 +00 35.4.

+50 35.5.

+63 35.8.

5 35.8.

+50 35.9.

+72 36.1.

+87 36.3.

+92 M. H

6 36.4.

+06 side walk Lt.

+17 36.5.

BM 214 938.88. (938.84)

Lt

E

Rt

^{35.4}
 5.6 5.6 5.6 5.9 5.6 5.8 6.2 5.9 5.9 5.0
 50 30 15 11 10 15 17 30 50

^{35.3}
 5.8 5.7 5.3 5.5 5.7 6.1 5.8 5.4 5.2
 50 30 18 10 15 17 30 50

^{36.2} ^{35.87} ^{Top Sewer}
 5.1 4.8 5.3 5.15 5.2 5.7 6.1 5.8 5.5 5.1
 50 30 14 9 15 16 30 50

^{36.2}
 5.1 4.8 5.3 5.5 5.2 5.4 6.1 5.7 5.2 5.0
 50 30 11 10 9 15 17 30 50

^{35.8}
 5.3 5.2 5.4 5.6 5.1 5.5 5.8 5.5 5.3 5.2
 50 30 13 11 10 14 17 30 50

^{35.7}
 4.9 5.2 5.6 5.4 5.1 5.3
 10 15 15 30 50

^{36.2}
 4.5 4.8 5.2 5.5 4.7 4.8 5.4 5.8 5.30 5.30 5.9
 50 30 13 12 9 16 30 30 50 50

^{36.00} ^{Ground Top}
 5.0 5.70 11.11 29.91
 16 16 35.32 16

^{36.6} ^{M.H.} ^{36.38}
 4.1 4.1 4.7 5.4 5.0 4.6 4.9 4.8 4.8 5.1
 50 30 20 11 8 0.5 19 15 30 50

^{36.67}
 4.35
 29

^{35.2} ^{35.64}
 4.5 4.8 5.8 5.38 5.7 5.30
 11 30 30 50 50

Top Hyd

N.W. Cor 5th + Miller

Sta.	+	π	-	Elev
		941.02.		
6	+32			36.3.
	+65			36.1.
7				36.5.
	+31	S.V. Rt.		
	+50.			36.4.
T.P.	4.07	940.57.	4.52	936.50.
8				36.3.
	+50			36.2.
9				35.8.
	+19	Top curb Lt.		
	+27			35.6.

	Lt				E				Rt.			
	36.4								35.62			
4A	4.6	4.7	5.3	5.0	4.7	5.0	5.5	5.4	4.8	4.3	4.5	4.6
50	30	21	12	9		10	15	15	17	21	30	50
	36.61								36.5			
S.W.	4.05	4.1	4.7	5.0	5.3	5.0	4.9	5.0	5.3	4.7	4.3	4.6
50	30	26	16	13	9		11	14	17	24	30	50
	36.4								36.6			
4.8	4.4	4.4	5.1		4.5	4.9	5.1	4.3	4.4	4.4		
50	30	16	12			12	14	19	30	50		
									36.6			
									36.49			
									4.53			
									30			
	36.5								36.7			
4.5	4.5	4.6	5.0	5.3	5.0	4.6	4.7	5.0	4.4	4.3	4.5	
50	30	23	13	11	8		11	14	18	30	50	
	36.2								36.8			
4.3	4.4	4.0	4.6	4.8	4.3	4.7	3.8	3.8	3.8	3.8		
50	27	22	18	12		14	20	30	50			
	36.2								36.6			
4.2	4.4	4.5	5.0	4.4	4.8	4.4	4.0	4.1				
40	30	18	12		13	18	30	50				
	36.2								36.3			
4.6	4.4	4.5	5.2	4.8	4.9	4.3	4.3	3.7				
50	30	18	11		12	19	30	50				
									35.82			
	4.76								35.89			
	13								35.84			
	35.94								35.89			
S.W.	4.63	4.74	5.4	5.0	5.2	4.68	4.75	10.1	9.6	4.3		
50	15	15	15	13	13	15	15	15	30	50		
	Curb								M.H.			
									Top			
									F.I.			
									30.46			

Sta	+	π	-	Elev
		940.57.		
9	+33			35.4.
	+40			35.3.
	+52	E. W. Bear Ave No.		35.7.
	+56	M. H. Lt.		
	+59	E. W. Bear Ave 50.		35.4.
	+70			35.2.
	+77			35.2.
B.M.	4.20	940.75.	4.02	936.55.
	+84	Curb Lt		35.6.
	+92	Curb RA.		35.6.
	+98	Walk Lt		
10				35.6.

Lt		Lt		Lt		Lt	
35.85	35.82	35.83	35.95				
Corb	Corb	Corb	S.W.				
5.5	4.72	4.75	5.5	5.5	5.2	5.5	4.72
50	50	26	26	18	15	15	50
						35.85	35.91
						Corb	Corb
	5.2		5.3	5.5	4.72	4.60	5.3
	50		27	27		50	50
	5.0	5.0	4.9				
	50	25					
		35.62					
		49.5					
		.05					

$$\begin{array}{r} 35.82 \\ \text{Corb} \\ 4.75 \\ 50 \end{array} \quad \begin{array}{r} 35.82 \\ \text{Corb} \\ 4.75 \\ 50 \end{array} \quad \begin{array}{r} 5.2 \\ 25 \\ 35.4 \\ 5.2 \\ 29 \end{array} \quad \begin{array}{r} 5.0 \\ 50 \\ 5.0 \\ 5.0 \\ 50 \end{array}$$

Spk. in P.P. N.E. Cor. W. Bear # 5²

$$\begin{array}{r} 44 \\ \hline 50 \end{array} \quad \begin{array}{r} 48 \\ \hline 30 \end{array} \quad \begin{array}{r} 46 \\ \hline 22 \end{array} \quad \begin{array}{r} 35.81 \\ 4945.5 \\ \hline 12125.2 \end{array}$$
[illegible]

Sta	+	π	-	Elev
-----	---	-------	---	------

940.75.

10+18		Top Walk	Rt	
-------	--	----------	----	--

+50				35.7.
-----	--	--	--	-------

11				35.9.
----	--	--	--	-------

+07		Walk	Rt	
-----	--	------	----	--

+50				35.8.
-----	--	--	--	-------

12				36.0.
----	--	--	--	-------

+29		Walk	Lt	
-----	--	------	----	--

+50				36.4.
-----	--	--	--	-------

+		Storm Sewer	M.H.	
---	--	-------------	------	--

T.P	5.27	942.58.	3.44	937.31.
-----	------	---------	------	---------

+93.5				37.2.
-------	--	--	--	-------

13				37.4.
----	--	--	--	-------

+07				37.4.
-----	--	--	--	-------

L1.

2

R1

$$\begin{array}{r} 36.57 \\ 4.18 \\ \hline 30 \end{array}$$

$$\begin{array}{cccccccccccc} \frac{5.5}{50} & \frac{5.6}{37} & \frac{5.3}{30} & \frac{5.3}{22} & \frac{5.6}{12} & 5.1 & \frac{5.6}{12} & \frac{5.3}{13} & \frac{5.3}{22} & \frac{4.6}{31} & \frac{4.2}{50} \\ & & 35.5 & & & & & & & & \end{array}$$

$$\begin{array}{ccccccc} \frac{5.5}{50} & \frac{5.5}{30} & & \frac{5.5}{12} & 4.9 & \frac{5.6}{11} & \frac{5.3}{30} & \frac{4.7}{50} \\ & 35.2 & & & & & 35.5 & \end{array}$$

$$\begin{array}{r} 35.85 \\ 4.90 \\ \hline 30 \end{array}$$

$$\begin{array}{ccccccccccc} \frac{4.1}{50} & \frac{4.8}{30} & \frac{4.7}{20} & \frac{5.3}{12} & 5.0 & \frac{5.3}{11} & \frac{5.0}{30} & \frac{5.2}{42} & \frac{5.1}{50} \\ & 36.0 & & & & & 35.8 & & \end{array}$$

$$\begin{array}{ccccccccccc} \frac{3.4}{50} & \frac{3.5}{30} & \frac{4.3}{25} & \frac{5.1}{12} & 4.8 & \frac{5.0}{11} & \frac{4.3}{20} & \frac{4.0}{30} & \frac{4.0}{50} \\ & 37.3 & & & & & 36.8 & & \end{array}$$

$$\begin{array}{r} 37.21 \\ 3.54 \\ \hline 32 \end{array}$$

$$\begin{array}{ccccccccccc} \frac{2.9}{37} & \frac{3.0}{29} & \frac{3.7}{26} & \frac{4.1}{18} & \frac{4.7}{14} & 4.4 & \frac{4.7}{10} & \frac{4.5}{17} & \frac{3.5}{30} & \frac{2.8}{41} \\ & 37.8 & & & & & & & 37.3 & \end{array}$$

$$\begin{array}{r} 37.31 \\ 3.44 \\ \hline 30.15 \end{array}$$

$$\begin{array}{ccccccc} \frac{5.09}{50} & \frac{5.15}{30} & \frac{5.27}{15.5} & 5.4 & \frac{5.4}{9} & \frac{5.22}{16.5} & \frac{5.10}{30} & \frac{4.95}{50} \\ & 37.43 & & & & 37.36 & & \end{array}$$

$$\begin{array}{ccccccc} \frac{5.16}{50} & \frac{5.22}{30} & \frac{5.33}{15.5} & 5.20 & \frac{5.15}{16} & \frac{5.12}{30} & \frac{5.02}{50} \\ & 37.36 & 37.25 & & 37.43 & 37.46 & \end{array}$$

$$\begin{array}{ccccccc} \frac{6.0}{50} & \frac{6.2}{30} & \frac{6.24}{22} & \frac{5.7}{17} & 5.2 & \frac{5.7}{19} & \frac{6.42}{22} & \frac{6.0}{22} & \frac{6.0}{33} & \frac{5.9}{50} \\ & 36.4 & 36.34 & & & & 36.16 & 36.6 & & \end{array}$$

M.H.
C.B.

Sta + A - Elev

942.58.

13+18.5

San M.H

+21.5

Δ Division

37.3

+36

37.2

+41

37.1

14

37.9

+18

San M.H

+30

Walk Lt

+50

38.0

+82

38.3

15

36.9

+17

38.0

+22

36.4

Lt

Z

Rt

$$\begin{array}{r} 37.29 \\ 5.29 \\ \hline 3 \end{array}$$

		$\frac{5.4}{50}$	$\frac{5.4}{25}$	5.3	$\frac{5.4}{30}$	$\frac{5.3}{50}$		
	$\frac{6.0}{36}$	$\frac{6.23}{22.5}$	$\frac{5.8}{19}$	$\frac{5.3}{8}$	5.4	$\frac{5.7}{12}$	$\frac{6.15}{15}$	$\frac{6.0}{18}$
	$\frac{6.1}{30}$	$\frac{6.35}{22.5}$	$\frac{5.8}{19}$	$\frac{5.3}{8}$	5.4	$\frac{5.7}{12}$	$\frac{6.15}{15}$	$\frac{6.0}{18}$
	$\frac{36.5}{6.1}$	$\frac{36.35}{6.23}$	$\frac{36.43}{6.15}$	$\frac{36.7}{6.0}$				
	$\frac{5.3}{50}$	$\frac{5.0}{27}$	$\frac{5.1}{19}$	$\frac{5.5}{17}$	$\frac{5.4}{8}$	5.5	$\frac{5.1}{4}$	$\frac{4.9}{18}$
	$\frac{37.6}{5.0}$	$\frac{37.9}{5.1}$	$\frac{37.9}{5.5}$	$\frac{37.9}{5.4}$				
	$\frac{5.0}{50}$	$\frac{4.7}{27}$	$\frac{4.7}{19}$	$\frac{5.1}{15}$	4.7	$\frac{5.1}{12}$	$\frac{5.1}{27}$	$\frac{5.0}{43}$
	$\frac{37.6}{5.0}$	$\frac{37.9}{4.7}$	$\frac{37.9}{4.7}$	$\frac{37.9}{5.1}$				

$$\begin{array}{r} 38.24 \\ 43.4 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 38.06 \\ 45.2 \\ \hline 28 \end{array}$$

		$\frac{4.7}{50}$	$\frac{4.1}{29}$	$\frac{4.3}{22}$	$\frac{5.0}{13}$	4.6	$\frac{4.4}{9}$	$\frac{4.5}{18}$	$\frac{5.0}{23}$	$\frac{5.0}{30}$	$\frac{5.4}{50}$
	$\frac{4.4}{50}$	$\frac{4.4}{29}$	$\frac{4.3}{17}$	$\frac{4.0}{5}$	4.3	$\frac{4.4}{30}$	$\frac{5.0}{12}$	$\frac{6.0}{25}$	$\frac{5.7}{33}$	$\frac{5.8}{50}$	
	$\frac{38.5}{4.7}$	$\frac{38.2}{4.1}$	$\frac{38.2}{4.3}$	$\frac{38.2}{4.0}$							
	$\frac{4.3}{50}$	$\frac{4.7}{37}$	$\frac{5.2}{26}$	$\frac{5.4}{14}$	$\frac{5.9}{3}$	5.7	$\frac{5.3}{13}$	$\frac{5.6}{16}$	$\frac{4.6}{30}$	$\frac{4.4}{44}$	$\frac{4.6}{50}$
	$\frac{37.7}{4.3}$	$\frac{37.6}{4.7}$	$\frac{37.6}{5.2}$	$\frac{37.6}{5.4}$	$\frac{37.6}{5.9}$						
	$\frac{5.0}{50}$	$\frac{5.0}{30}$	$\frac{4.8}{19}$	4.6	$\frac{5.9}{14}$	$\frac{5.8}{22}$	$\frac{5.2}{34}$	$\frac{5.0}{50}$	$\frac{4.40}{50}$	$\frac{38.19}{50}$	
	$\frac{37.6}{5.0}$	$\frac{37.6}{5.0}$	$\frac{37.6}{4.8}$	$\frac{37.6}{4.6}$	$\frac{37.6}{5.9}$	$\frac{37.6}{5.8}$	$\frac{37.6}{5.2}$	$\frac{37.6}{5.0}$	$\frac{37.6}{4.40}$	$\frac{37.6}{38.19}$	
	$\frac{4.7}{43}$	$\frac{5.0}{30}$	$\frac{4.7}{19}$	$\frac{4.8}{14}$	6.2	$\frac{6.0}{06}$	$\frac{5.2}{14}$	$\frac{5.1}{35}$	$\frac{4.39}{39}$	$\frac{38.19}{39}$	
	$\frac{37.6}{4.7}$	$\frac{37.6}{5.0}$	$\frac{37.6}{4.7}$	$\frac{37.6}{4.8}$							

38.26
43.2 Top Rail

Top Rail
38.19

Sta	+	π	-	Elev
-----	---	-------	---	------

		94258.		
--	--	--------	--	--

B.M	4.13	94258.	4.13	93845.
-----	------	--------	------	--------

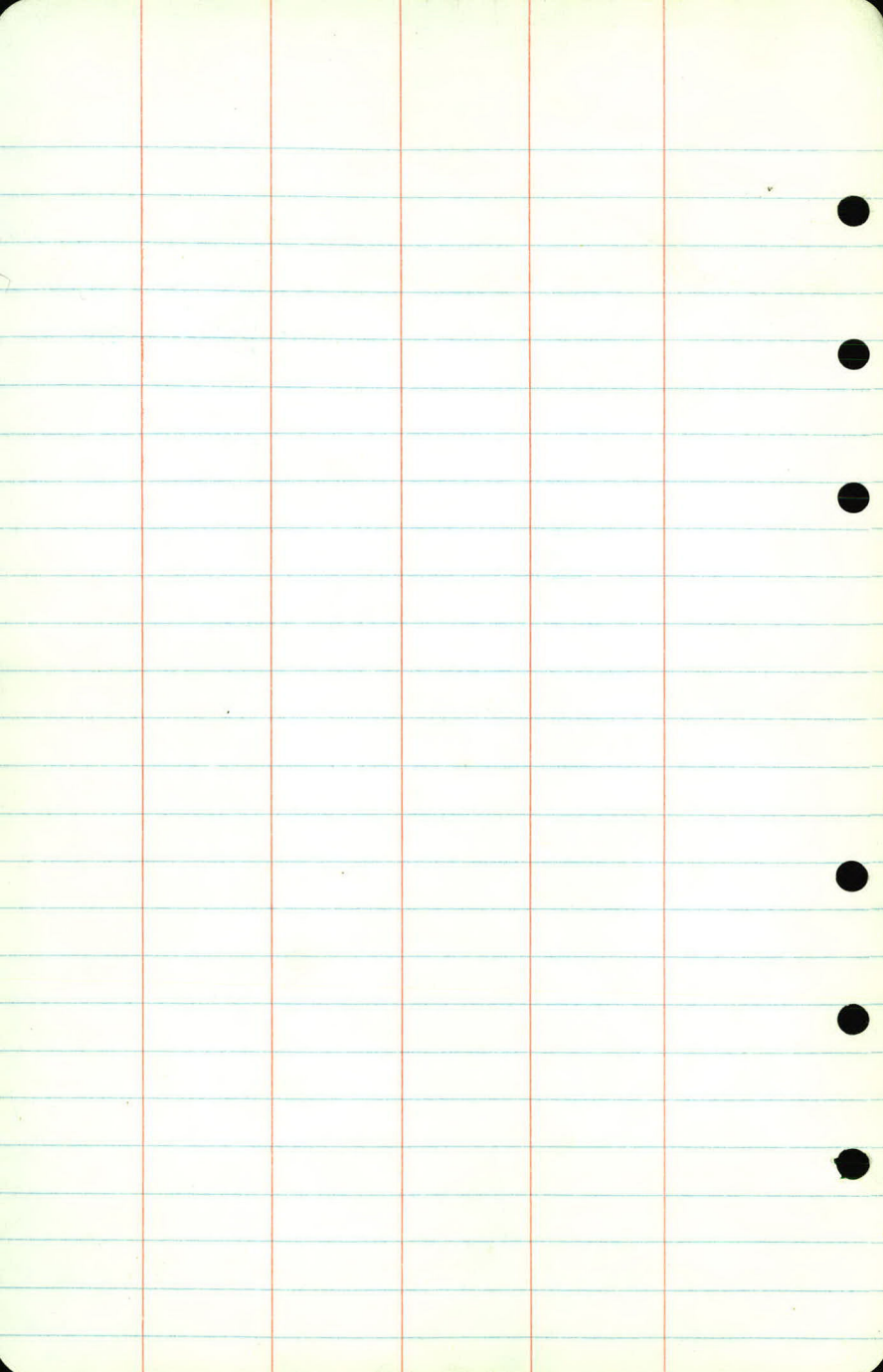
B.M			1.03	94155. 94153
-----	--	--	------	--------------

St.

Z

R+

Top S.E. Cor. Conc. Step Ho S.W. Cor. 5th + Division
Top Hyd N.E. Cor 5th + Stickley Blvd.



Plan Survey

Fifth St

Banning To Lake Ave

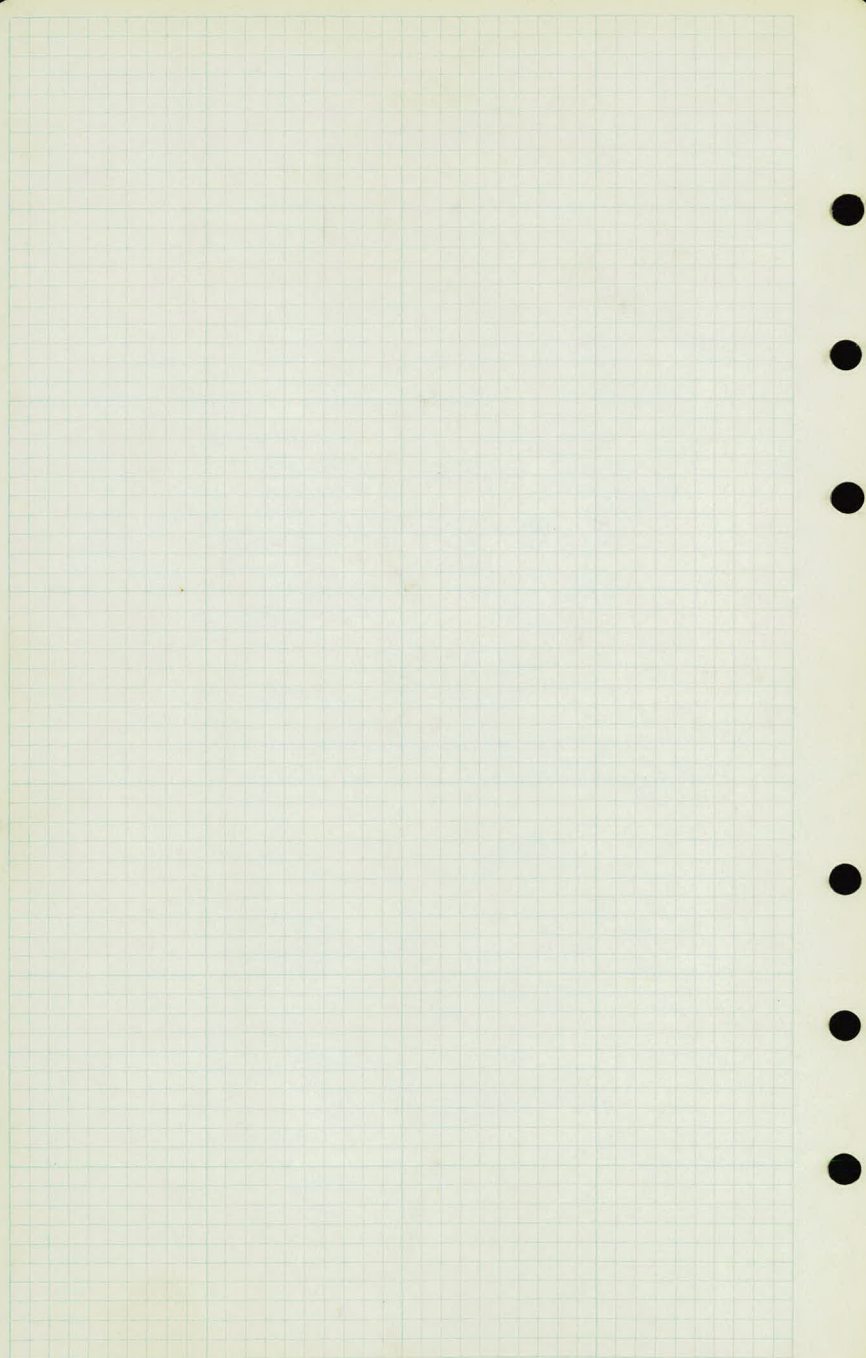
HAW
H.A.
L.E.
A.M.
A.L.
C.F.

Completed

4/23/42

Index

Align	1 to 4
Topography	5 to 8
X Sect	8 to 17



Alignment

Sta Point ΔL ΔR

~~11+05.02~~

~~10+05.02~~ P.O.T. $\nless$ Morehead Ave.

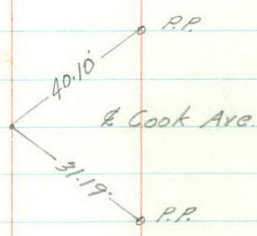
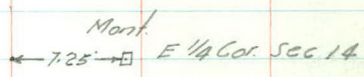
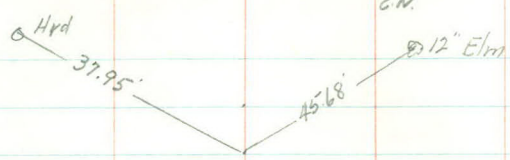
7 +34.06 P.O.T.

6 +30.50 P.O.T.

3 +61.62 P.I. 0°10'

0 +00 = $\nless$ Banning Ave

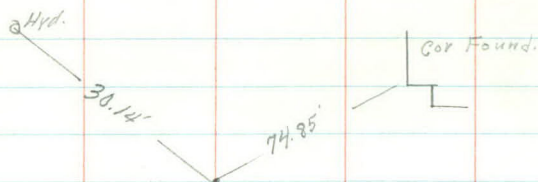
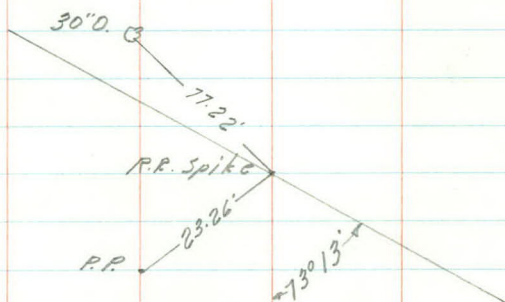
4-9-92
K.R.
L.C.
C.F.
C.M.

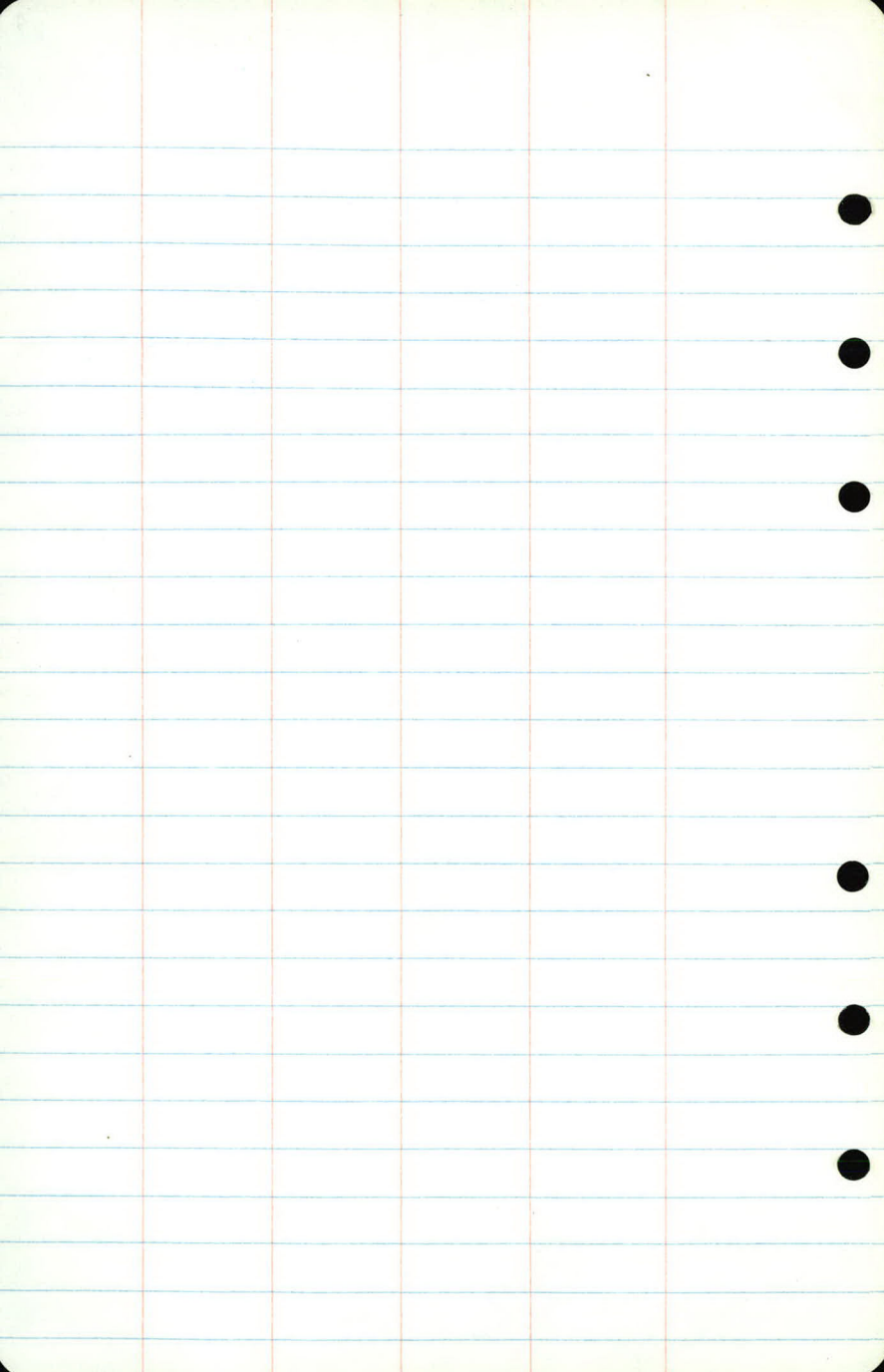


Sta	Point	ΔLf	ΔRf
-----	-------	-------------	-------------

19	+07.3	= Lake Ave.	
----	-------	-------------	--

14	+69.37'	P.O.T.	& Johnson Ave.
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5

Topography

5 15' 11'

4 15' 15'

+92 Hyd 218'
 +375 Walk 292'
 +83 Walk 29.2'

+46 End Rad 30'
 +42 C.B. 19.5'

+61.5 M.H.
 San Sewer

+99 P.P. 16.5'
 +84 Beg Walk 218'-278'
 +42 C.B. 19.5'
 +38 P.P. 21.8'

3 16' 11'

+91 & 2.5 Walk 29.2'

+10 Lilac Bush 21'

2 15' 11'

+86 10" B.E. 21'

+74 Stu 21'

+55 15" Elm 21'

+35 15" Elm 21'

+18 24" Elm 21'

+94 24" Elm 18'
 +78 End Curve 14'
 +78 P.P. 16'
 +67 24" Oak 20'

+27 Beg Walk 215'-275'

+22.5 C.B. 18.9'

0+00

+29 Beg Walk 22.2'-28.2'
 +22.5 C.B. 19.5'

+87 Stn 22'

+51 Beg 2" Curb 31.4'

+46 & 6' Walk 29.3'

+42 24" Maple 22'

Walk 23.6 - 29.6'

+161 Ent

+19 & 4' Walk 29.2'

+91.5 End Rad 15'

+81 O.B. 19.5'

+79.5 Beg Walk 23.6 - 29.6'

+76.5 Beg Rad 30'

+66 Storm sew. M.H. 20'

+43 End Walk 23.2 - 29.2

+31.5 Beg Rad 15'

Walk 23.2 - 29.3'

+56 P.P. 21'

+49 Ent

+20 & 3' Walk 28.6'

+06 & 2' Walk 28.7

Walk 22.6 - 28.6'

+80 & 3' Walk 29

+07 End Rad 15.5'

+05 Beg Rad 14'

+04 & 3' Walk 14.6

+00 Curb 14' Walk 22 - 28'

+34 End Rad 13.6

+27.5 Eo. Edge 4.5' Walk 15.8'

+21 Hyd 22'

+19 Beg Rad 29.7'

+41.5 End Walk 22 - 28'

+39 P.P. 16'

Walk 22 - 28'

+89 & 3' Walk 28'

+66 P.P. 17'

+91.5 End Rad 15'

+81 C.B. 19.4'

+76.5 Beg Rad 30'

+46 End Rad 30'

+38 End Walk 21.5 - 27.8

+33 Walk 27.8'

+31.5 Beg Rad 15'

Walk 22.2 - 28.2'

+66 Ent

+54 30" Elm 18'

+26 & 3' Walk 28'

+18 30" Elm 18'

Walk 22.2 - 28.2'

+55 End Rad 14'

+51 Beg Rad 18'

+55 & Conc Drive 14'

+39 End Rad 18'

+35 Beg Rad 14'

+00 Curb 14'

Walk 22 - 28'

+36 P.P. 17'

+34 End Rad 14'

+29 Eo. Edge Walk 15.7'

+19 Beg Rad 29'

+08 M.H. 1'

12

15'

11'

+98 12" Maple 30'
 +81 12" Maple 30'

11

10

13'

10

9

14'

10'

+178 * 4' Walk + Step 286-30'

+66 8" Elm 20'

+588 M.H. 1.8'

8

14'

10'

+98 15" Elm 20.5'

+77 15" Elm 20.5'

+70 Hyd 22.5'

+43 East Edge Parc

+11 PP 21

+25 West Edge Parc

7

+99.5 East Edge X Walk

+95.5 West Edge X Walk

+95 15" Maple 22.5'

+89 End Curb 31.5'

6

15'

12'

- +87 T.P. 20'
 + 69 Water Shutoff 19'
 +38 & 4' Walk 282
 • Walk 222-282
 • +76.5 & M.H. 0.3' 299.
 • +71 & 2' Walk 28'
 +37 Hrd 20'
 • +25.5 Beg Walk 222-282
 • +22 10" X 6" CM 223-283
 • +21.5 End 12" CM 30.7
 • +06.5 & M.H. 0.3'
 • +92.3 West End 12" CM 30.3
 • +90.5 10" X 6" Walk Curb 223-283
 • +88 End Walk 223-282
 • +38 & 2' Walk 285
 +18.5 Water Shutoff 21.6
 Walk 225-285
 +24 Alley
 • Walk 227-287
 +42 18" Elm 20'
 +31 Ent
 +21 Stu 20
 +10 & 4' Walk 288
 • Walk 226-286
 +72.5 Beg Walk 288
 +68 Beg Walk 288
 +43 Beg Walk 232-29
 +25 End Walk 24-29
 +99.5 Walk 235-295
 +98.5 Walk 235-295
 +84 G.P. 18'
 +63 Stu 22
 +31 15" Maple 22
 • Walk 235-29.5' Curb 31.5
 +45 15" Maple 30'
 +26 12" Maple 295
 • +06 Ent 10" X 14" CM 135
 • +74 & 4' Walk 29
 +41 12" Elm 29
 +27 P.P. 185
 +215 End 9" CM 273
 +92' Beg 9" CM 273
 +21 Ent X 14" CM 125
 • +65 & 3' Walk 266
 +42 3" Elm 23
 +36 Stu 19
 +20 12" Elm 20
 • +10 & 4' Walk 265
 +00 Stu 19
 +81 12" Elm 19.5
 +00 Walk 142
 • +97.5 & Iron Siderail Dr 13.6
 • +02 Ent.

17 +98 End Walk 22'
+95 Beg Curb 16.05'

+82.2 Beg Curb 20.8'

18 12' 11'

+96 Ent 22'
+86 Rye tie Ent
+88 Water Shutoff 21'

17 15' 10'

16 14' 10'

15
+96 PP 19.3'
+91 Hpt 20.5
+88 Water Valve 9'
+84.3 Beg Walk 22'-28'
+68 San. Sew M 14.1.3'
+55 Beg Walk 22.2'-28.2'

+99 End Blacktop

+94.5 Beg Walk 30'
+94 Beg Walk 30'
+89 Gr. Polo 25'
+59 Storm Sewer MH II
+52 Tel. M. H 77
+51.5 C. Inlet 18'

+39 Edge Blacktop

14 14' 10'

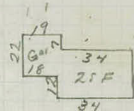
13 15' 10'

2' Conc Gutter Eastside
18' Black Top

2' Conc Gutter With 0.5' Curb
Behind West Side

Distance is to
face of curb + back
edge of gutter.

+25 1105E
+50 107E & 112W
+75-94E
+100 127W
+67E 151W



- +100 End Walk 28'
- +93 PP 21'
- +91 M.H.C.B 17.7'

- +09 PP 21'
- +06 C 3 Water Shutoff 205

+80 M.H.C.B 147

- +03 Hyd. 20.5
- Walk 216'-278'
- +83 4" Elm 19'
- +71 4" Elm 19.5
- +52 1" Elm 20'

+51 SW cor. Ho-58

- +43 & 2.5' Walk 25'

+11 PP 21'

- Walk 22 28'

+89 6" Maple 16.5

+49 6" Maple 19'

+67 Stn 25'

- +16.5 & 4' Walk 28' + stop 27.5'
- +10 8" Maple 18'

- Walk 22'-28'

+03 4" B.E 18'

+95 4" B.E 20'

+81 ALLOY

+91 PP 20.5'

+66 Ent

- +84.5 M.H 1.5'

+46 3" Elm 2K

- +32 & 2.5' Walk 28'

+28 3" Elm 23'

- Walk 22'-28'

- +99.3 End Rad 15'

+99.3 End Rad 15'

+87 Curb Inlet 18'

+84 3 Beg Rad 30'

- +87 Curb Inlet 17.8'

- +84.3 Beg Rad 30'

- +57.5 Curb Inlet 18'

- +54.3 End Rad

+54.3 End Rad 30'

+43.8 Walk 15'

+39.3 Walk 15'

- +39.3 Beg Rad 14.8'

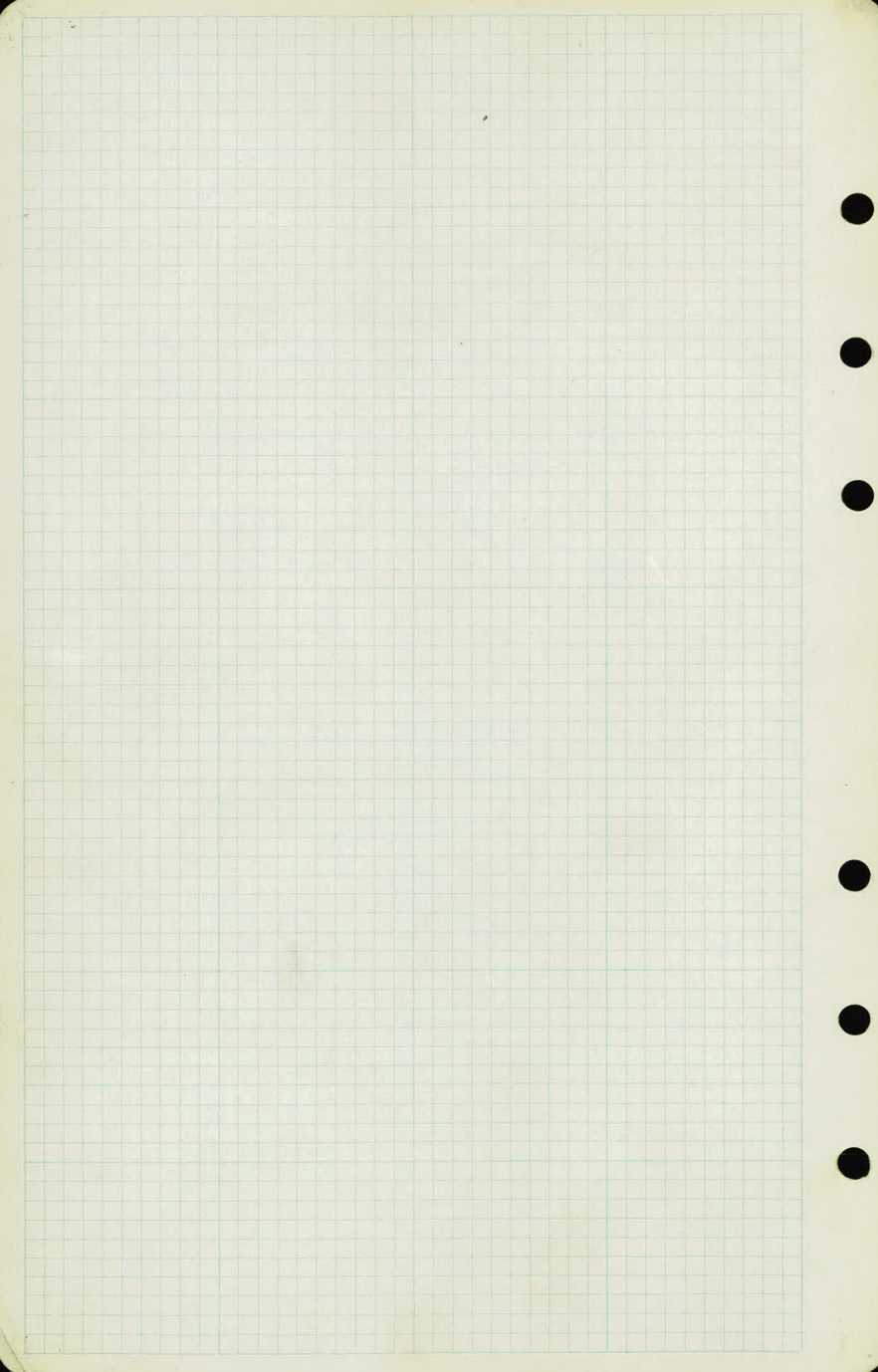
+39.3 Beg Rad 14.8'

- Walk 22'-28.2

+80 15" Oak 17'

- Walk 22.2'-28.2

+17 Stn 17'



X Sections

Fifth Str.

From Banning To Lake Ave

Sta	+	Σ	-	Elev
	2.68	943.28.		940.60
0	+00			38.1
	+19			37.5
	+19			37.5
	+28			37.7
	+50			37.4
1	+00			37.9
	+05			38.0
	+50			38.3
	+79			38.5
2	+00			38.4
	+50			38.6

Lt.

L

R4

Top Hyd N.E. Cor 5th Str. & Banning Ave

5.2	5.2	5.2	5.2	5.2
50	24		24	50

6.0	6.0	5.8	5.8	5.8
50	28		29	50

	37.80		38.13	
5.48	5.48	5.8	5.15	5.10
50	28		29	50

5.36	5.42	5.55	6.0	5.6	6.0	5.32	5.15
50	27	15	15	15.5	15.5	15.5	28

5.0	5.34	5.43	5.8	5.9	5.9	5.20	5.09
50	28	13	13		14	19	28

5.1	5.20	5.21	5.7	5.9	5.9	5.32	4.98
50	26	14	14	14	14	14	28

38.20	38.13	38.13		
5.08	5.15	5.15	5.6	5.3
28	22	19	19	

5.7	5.5	4.97	5.03	5.0	5.6	5.0	5.5	5.03	4.98
5.0	3.1	2.8	2.2	1.8	1.4		1.9	2.2	2.8

4.8 5.5 5.05 4.98 4.98
14 14 22 28

4.9	4.88	4.93	4.8	5.3	4.9	5.1	4.8	4.95	4.93	4.9
50	29	23	19	15		13	17	22	28	50

5.0	4.70	4.75	4.9	5.1	4.7	5.4	5.0	4.80	4.80	4.9
50	29	23	19	15		11	14	22	28	50

Sta	+	↑	-	Elev.	
		943.28			
3 +00				38.1	
+31.6				38.0	
+46.5				38.1	
+46.5				38.1	
+ 61				38.2	
+ 66					
B.M.	1.66	943.36	1.55	941.73	941.70
+77				38.1	
+ 77				38.1	
+91				38.0	
4 +00				38.1	
+50				38.4	

Lt.

E

Rt.

5.0 5.0 162 460 4.5 5.3 5.2 5.8 5.1 4.99 4.85 5.0 5.1
50 31 29.5 23.5 19 17 11 14 22 28 30 50

4.5 4.46 4.55 5.17 5.6 5.3 5.8 5.18 4.77 4.71 5.0
50 29.5 23.5 15 15 15 15 22 28 50

5.12 5.13 5.2 5.15 5.19
50 29.5 29.6 50

5.6 5.6 5.5 5.2 5.5 5.7 5.8
50 30 12 9 30 50

5.2 5.2 5.1 5.2 5.3
50 20 27 50

33.35 38.02
99.3 526 M.H. Storm Sewer
20 20 573

Top Hyd. N.E. Cor. COOK

5.8 5.8 5.3 5.8 5.8
50 30 29 50

5.19 5.26 5.4 5.3 5.5 5.28 5.33
50 30 12 12 29 50

4.9 4.74 4.80 5.15 5.7 5.4 5.8 5.28 5.02 5.05 4.7
50 29.5 23.5 15 15 15 15 22 28 50

4.7 4.72 4.70 4.9 5.7 5.3 5.9 5.1 5.02 5.05 4.6 4.6
50 29.5 23.5 18 14 12 16 22 28 32 50

5.0 4.70 4.72 5.1 5.4 5.0 5.6 5.1 5.08 5.06 4.6 4.8
49 29.5 23.5 18 14 11 17 22 28 32 50

Sta	+	π	-	Elev
		943.36		

5	+00			38.4
---	-----	--	--	------

	+42			38.4
--	-----	--	--	------

6	+00			38.5
---	-----	--	--	------

	+50			38.7
--	-----	--	--	------

	+95			39.1
--	-----	--	--	------

	+99.3			39.3
--	-------	--	--	------

7	+14			39.5
---	-----	--	--	------

	+25			39.32
--	-----	--	--	-------

	+39			39.34
--	-----	--	--	-------

	+43			39.30
--	-----	--	--	-------

	+50			39.2
--	-----	--	--	------

Lt.

E.

Rt.

	38.86	38.75							38.40	38.41
4.5	4.50	4.61	4.8	5.7	5.0	5.5	4.9	4.96	4.85	4.5
50	29.5	23.5	18	15			11	16	22	28

	39.05	38.93						38.47	38.49	
4.0	4.31	4.43	4.7	5.2	5.0	5.5	4.7	4.89	4.87	5.0
50	29.5	23.5	19	16			12	15	22	28

	39.19	39.11							
2.5	4.17	4.25	4.5	5.2	4.9	5.2	4.7	4.7	3.8
50	29.5	23.5	19	15			12	16	30

	39.26	39.16							
2.6	4.10	4.20	4.3	4.9	4.7	5.1	4.3	4.2	3.7
56	29.5	23.5	19	17			14	16	30

	39.37	39.30						39.15
3.88	3.99	4.06	4.47	4.3	4.41	4.21	4.15	
50	29.5	23.5	19.2		12.6	30	50	

	39.35	39.34					39.12
3.95	4.01	4.02	4.48	4.1	4.44	4.24	4.07
50	29.5	23.5	19.2		12.6	30	50

	39.06	39.04					
4.3	4.30	4.32	4.3	3.9	4.3	4.6	4.7
50	29.0	23.5	13		10	18	30

	39.27					
3.99	4.09		4.04		4.04	4.04
50	29				30	50

3.66	3.81	3.93	4.02	3.98	3.94	3.85
150	100	50		50	100	190

	39.28			
4.02	4.08	4.06	4.07	4.05
50	26		30	50

	39.0	38.94		
4.2	4.36	4.42	4.4	4.5
50	29	23	13	14

Stg	+	π	-	E/cu
		943.36.		
7	+68			38.7
	+72			38.7
B.M.	120	943.01.	1.55	941.81.
8	+00			38.4
	+08	Walk Rt.		
	+50			38.4
	+58.7	Sanitary M. H.		
	+65	Walk Rt.		
9	+00			38.2
	+50			38.1
10	+00			37.8
	+50			37.5

Lt.

£

Rt.

38.95 38.86 39.86
 4.0 4.1 4.50 4.8 4.7 4.9 4.4 4.0 3.9
 50 29 23 11 14 16 30 50

38.94 38.90
 4.38 4.42 4.96 4.7 4.7 5.0 4.4 3.9 3.7
 50 29 23 10 14 16 30 50

Top Hyd. N.E. Co. Stewart & 50

38.79 38.71
 3.4 4.22 4.24 4.2 4.7 4.6 4.7 3.7 3.5 2.7
 50 29 23 18 16 14 16 30 50

39.34 39.46 40.08
 3.67 3.55 2.93
 26.8 30 50

38.53 38.46
 3.3 3.8 4.18 4.55 4.8 5.1 4.6 4.9 3.6 3.5 3.0
 50 31 28.7 22.7 16 14 19 19 30 50

38.51
 4.5
 1.5

39.71 39.77
 3.30 3.24
 26.7 30

38.29 38.19
 3.0 4.1 4.72 4.82 5.3 4.8 5.1 3.8 3.4 3.0
 50 31 28.8 22.6 13 13 16 30 50

38.15 38.08
 4.0 4.1 4.86 4.93 4.9 5.5 4.9 5.3 4.1 4.4 4.5
 50 31 29 23 15 13 13 16 30 50

38.02 37.87
 4.0 4.4 4.99 5.14 5.1 5.5 5.2 5.6 4.5 4.4 4.2
 50 31 28.5 22.5 15 13 13 16 30 50

37.79 37.79 39.0
 4.7 4.9 5.22 5.22 5.3 5.7 5.5 5.8 4.4 4.4 4.5
 50 30 28.6 22.6 15 13 13 17 30 50

Sta	+	π	-	Elev
		943.01.		
10	+87			37.8
	+92			38.0
11	+05			38.1
	+21			37.8
	+255			37.7
B.M.	0.31	941.31.	2.01	941.00. (941.05)
	+50			37.2
	+32			37.2
	+77	Men Hole Lt.		
12				37.0
	+50			36.7
13				36.6

Lt

£

Rt.

37.68 37.69
 5.1 5.33 5.32 5.3 5.8 5.2 5.9 6.1 5.9 5.3 5.3
 50 28.5 22.5 18.15 19 18 22 30 50
 36.62 36.61 36.78 36.63

F.I. F.I. F.I. F.I.
 5.9 6.0 6.39 6.40 6.23 5.7 5.0 5.6 6.38 6.1 6.0
 50 38 32.5 28 22 18 19 27 30 50

38.09

M.H.
 4.8 5.1 5.0 4.9 4.92 5.1 5.0 4.6
 90 50 25 £ 30 50 100
 36.64 36.50 36.34 36.38

F.I. F.I. F.I. F.I.
 5.8 6.37 6.51 6.67 5.6 5.2 5.9 6.5 6.43 6.2 5.8
 50 31 28 22 19 17 22 27 30 50

37.58 37.53

5.1 5.43 5.48 5.5 6.35 5.3 5.9 6.5 5.3 5.4 5.0
 50 28 22 20 17 12 15 18 22 30 50

Top Hyd N.E. Cor. Morehead + 5^m

37.59 37.40
 3.2 3.72 3.71 4.1 4.7 4.3 4.1 4.5 5.0 4.0 4.0 3.6
 50 28.5 22.5 19 15 10 11 13 17 30 50

37.37 37.30

2.72 3.94 4.01 4.2 4.8 4.5 4.1 4.6 5.0 4.2 3.88 3.70
 50 28.5 22.5 19 15 12 11 14 17 29 50

37.33

3.88

1

37.28 37.22

3.8 4.03 4.09 4.3 5.0 4.6 4.3 4.8 5.6 4.8 4.1 4.1
 50 28.5 22.5 20 16 11 11 13 15 30 50

37.03 37.00

3.8 4.28 4.31 4.5 5.1 4.8 4.6 5.0 5.3 4.3 4.5 4.9
 50 28.5 22.5 19 15 12 8 13 16 30 50

36.83 36.81

4.3 4.48 4.50 5.0 5.3 4.9 4.7 5.2 5.4 4.8 5.2 5.6
 50 28.5 22.5 18 14 12 6 14 16 30 50

Sta	+	π	-	Elev
		941.31.		

13	+50			36.4
----	-----	--	--	------

14				36.0
----	--	--	--	------

	+39.4			36.0
--	-------	--	--	------

	+44.4			36.0
--	-------	--	--	------

	+54.4			35.9
--	-------	--	--	------

	+59.4			35.9
--	-------	--	--	------

	+59.		M. H. Rt.	
--	------	--	-----------	--

	+69.4			36.0
--	-------	--	--	------

	+84.4			35.8
--	-------	--	--	------

	+84.4			35.8
--	-------	--	--	------

	+94		Side Walk Rt.	35.9
--	-----	--	---------------	------

Lt.

±

Rt.

36.76 36.66
 4.5 4.55 4.65 5.1 5.9 4.9 5.5 5.5 6.0 6.2
 50 28 22 19 14 10 12 30 50

36.43 36.38
 4.9 4.88 4.93 5.6 5.3 5.6 5.6 5.9
 50 28 22 13 11 30 46

36.36 36.33 36.18 35.95 36.0
 4.25 4.95 4.98 5.13 5.8 5.3 5.9 5.36 5.31 5.36
 28 22 15 15 15 15 30 50

36.41 36.33 36.15 35.99 35.99
 4.78 4.90 4.98 5.16 5.8 5.3 5.9 5.32 5.32 5.41
 50 28 22 15 15 15 15 30 50

36.21 36.16 35.90 35.78
 4.92 5.10 5.15 5.6 5.9 5.9 5.91 5.53 5.55
 30 22 22 21.5 21.5 30

5.5 5.6 5.5 5.9 5.7 6.0 6.1
 50 50 13 12 30 50

35.86 31.10
 5.45 10.21
 11 11

4.5 4.9 5.1 5.3 5.3 5.9 5.5
 100 50 25 25 50 100

5.5 5.6 5.5 5.9 6.1
 50 22 23 50

36.20 35.97
 4.95 5.11 5.5 5.5 5.7 5.39 5.53
 50 25 13 13 23 50

36.03 36.63
 5.4 5.9 5.28 4.68 4.70
 15 15 30 50

Sta	+	π	-	Elev
		941.31		
B.M.			1.57	939.74. <u>939.76</u>
14	+99			35.8
15	+50			35.5
	+66	Gar. ENT. RT.		35.5
T.P.	3.16	939.77.	4.70	936.61.
16				35.5
	+50			35.5
17				35.4
	+50			35.2
18				34.9
	+50			33.9
	+79	Top of M.H. Catch basin		
	+84			33.7

LT

E

RT

Top Hyd. N.E. Cor Johnson Ave + 5th

	36.26	36.16	36.14		36.05	36.67	
4.5	5.05	5.15	5.17	5.7	5.5	5.8	5.26
50	28.5	22.5	15	15		14.6	14.6
						30	50

	36.09	35.96					
4.2	4.6	5.22	5.35	5.5	6.1	5.8	6.3
50	37	28	22	18	15	14	16
						30	45

	36.73		
5.8	6.1	4.58	4.40
10	29.3	31.6	

	36.10	35.95					
2.9	3.0	3.67	3.82	3.8	4.8	4.3	4.6
50	32	28	22	18	15	10	13
						14	19

	35.95	35.89					
2.7	2.8	3.82	3.88	3.8	5.0	4.3	4.7
50	32	28	22	18	14	11	13
						14	17

	35.72	35.62					
3.0	2.9	4.05	4.15	4.0	5.0	4.4	5.0
50	32	28	22	18	15	12	13
						14	18

	35.53	35.55					
2.9	2.9	4.24	4.22	4.0	5.2	4.6	5.2
50	32	28	22	19	15	12	13
						14	18

	35.33	35.28					
2.7	3.0	4.44	4.49	4.7	5.5	4.9	5.6
50	32	28	22	17	13	12	13
						14	18

	34.55	34.49					
3.4	3.6	5.22	5.28	5.2	6.0	5.9	6.2
50	32	28	22	18	14	11	13
						15	18

32.24
7.53
15
32.42
33.18
33.13
32.62
(gutter) (curb) (curb) (gutter)
6.1 6.85 6.59 6.0 6.64 7.15
20.8 22.8 24 50 50

See Add. Sec.

Sta + + - Elev

939.77.

18 + 91 Top M.H. catch basin 33.65

+ 95 33.66

19 33.63

+ 33.52

B.M. 6.22 ~~933.55~~
~~933.22~~

Lt

E

Rt

32.45

732

6.12

17.3

33.65

33.88

6.11

(gutter)

(Curb)

6.12

5.89

6.09

5.99

5.0

39

15.8

15.8

22

28

32

50

33.79 33.79

33.76

51

5.98

5.98

6.01

6.20

6.14

6.42

7.07

44

28.22

20.3

20.3

17

43

33.95

33.44

Curb

gutter

50

5.82

6.33

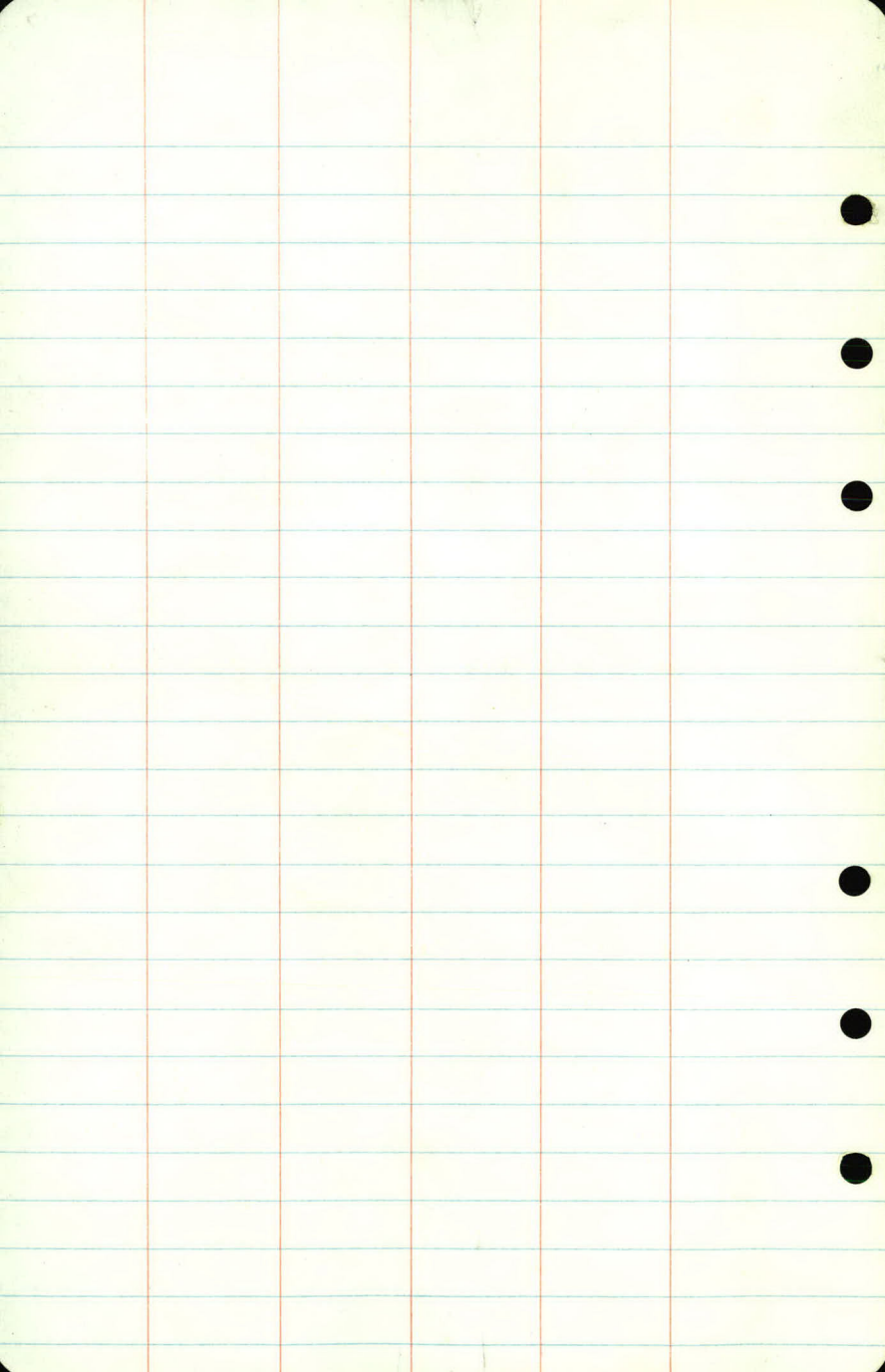
6.25

50

34.5

34.5

Top R.R. spk. E 54 Lake



X Sections

5th St

Between Johnson & Lake.

Sta	+	π	-	Elev
BM	1.16	940.92		939.76
17+00				35.6
+50				35.4
+				1
+87				35.3
18				35.2
+50		± Gar. Drive		34.3
+83		Beq Rad.		34.1
				33.90
19+07.3		± Lake	(Found Drill hole, No RR Spk.)	
BM		115	939.77	(939.76)

G.B.
A.M.
M.B.
B.C.

5-17-49

LT

⊕

RT

Top Hyd. NE Cor. 5th & Johnson

5.3 $\frac{5.7}{8}$ $\frac{6.1}{13}$ $\frac{7.8}{23}$ $\frac{3.7}{33}$ $\frac{3.7}{50}$

5.5

$\frac{6.1}{13}$ $\frac{4.5}{30}$ $\frac{3.8}{50}$

37.32
ent. SW @ Ho
 $\frac{3.6}{59}$

5.6 $\frac{6.3}{11}$ $\frac{6.3}{15}$ $\frac{4.9}{25}$ $\frac{3.7}{40}$ $\frac{3.5}{50}$

Cor. Ho.
37.32

conc ent to Gar.)

5.7

$\frac{6.5}{10}$ $\frac{6.5}{15}$ $\frac{5.0}{25}$ $\frac{4.0}{38}$

6.6 $\frac{7.0}{9}$ $\frac{7.4}{14}$ $\frac{6.3}{28}$ $\frac{5.8}{37}$ $\frac{5.9}{50}$

33.56
Top Curb

6.8 $\frac{7.1}{20}$ $\frac{7.36}{23}$ $\frac{7.2}{50}$ $\frac{7.3}{50}$

7.02

