

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

PLAN

Survey

WHITE BEAR CITY

WIDEN - WASHINGTON AVE. & 3rd ST.

Road Acc't. No.

Date Filed.

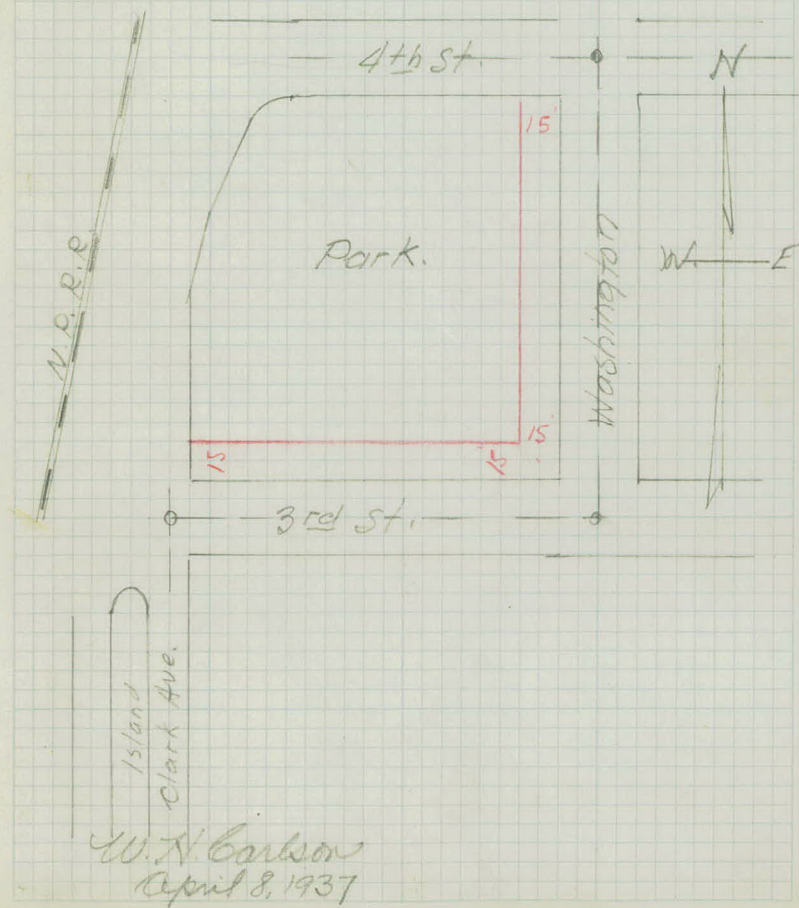
File.

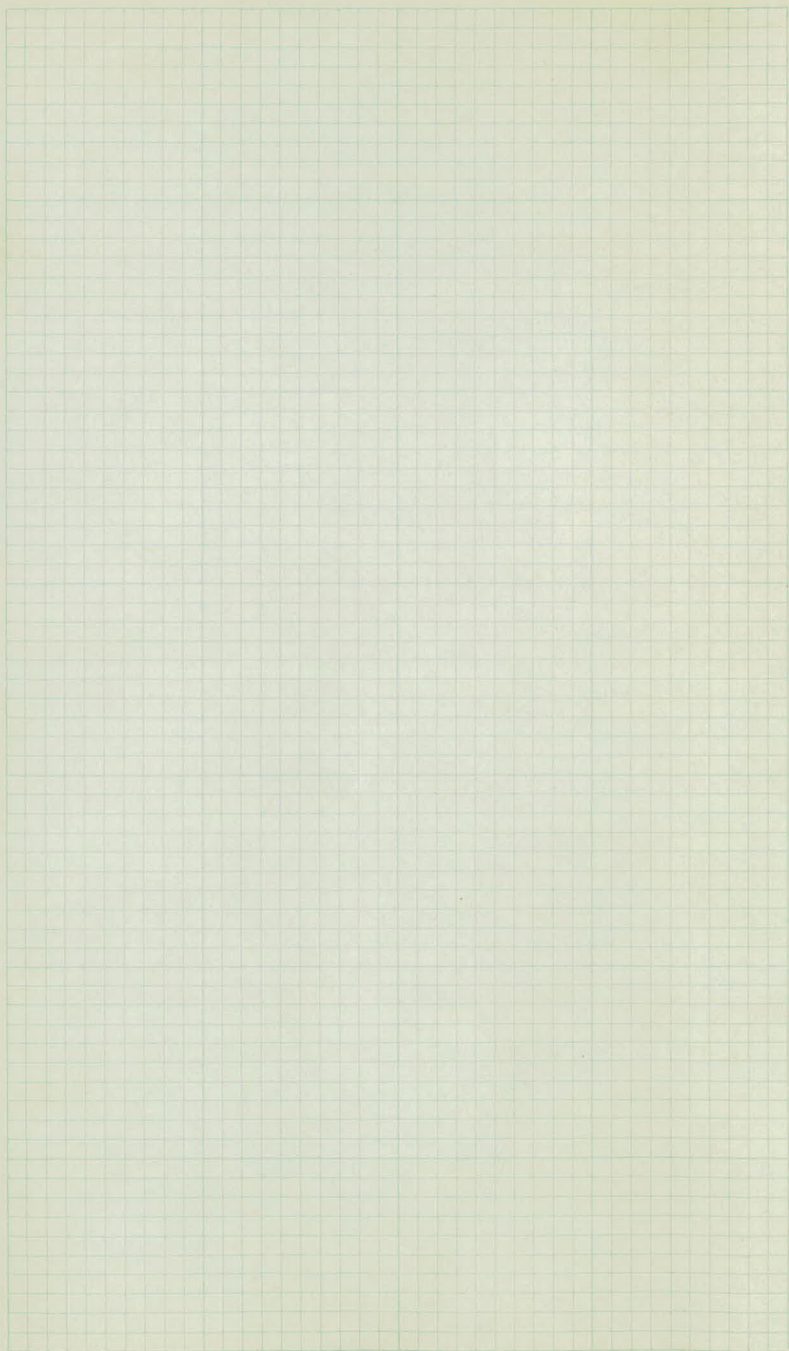
Plan Survey.

White Bear Lake, Minn.

Third St, Clark to Washington

Washington, 3rd St to 4th St.





1
alignment

Third St.

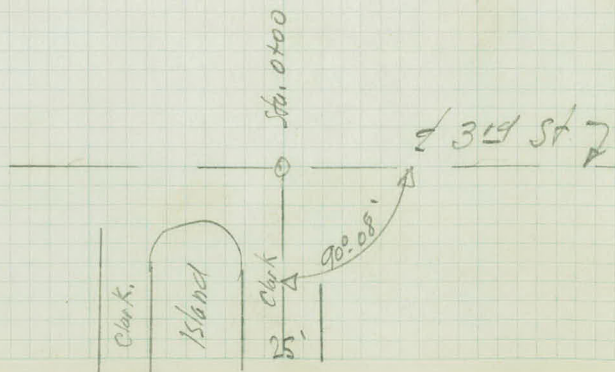
Clark to Washington

Washington

3rd St. to 4th St.

4th St.

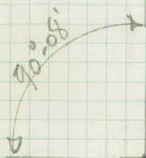
Clark to Bonning.



Park.

Washington St.

Sta. 2+18.58



Sta. 2+00.00

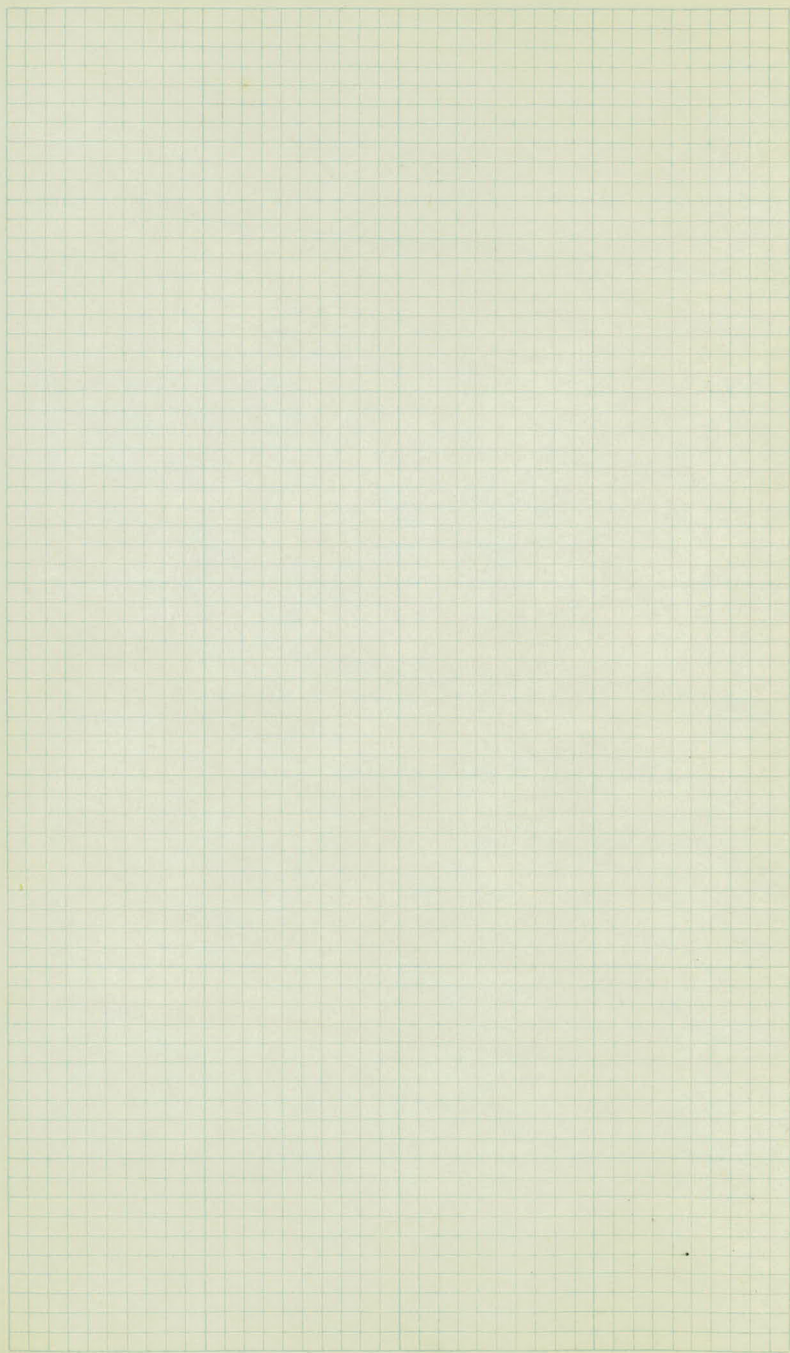


Sta. 3+90.46

± 4th St. ±

Bearing: 56°18'

See P. 15-17
for
P.O. Prop.
Ties.



Topography
Washington
3rd to 4th

4+0

3+50

3+0

2+50

2+0

491.10.44
25.0

± 4th St. 3+90.46

± 70.2 - Curb 27.4
± 67.8 - Curb 27.4
± 65
± 5 - Curb

5' Rad.
± 70.5 - Rad. Curb 27.4
± 65.8 - Rad. Curb 27.4
± 60.0 - Walk 27.4
± 52 - Dr. Lt. Pole 24.0

cut 45
walk 20

59.74 → 8.6

Curb 716.3
150

S.W. 121.5
150

Com - Curb 27.4
S.W. 29.8

Curb 711.1
150

S.W. 102.2

Volcano After

500' 15' Trees

S.W. 117.4
150

Curb 192.2
150

± 37 - Dr. Lt. Pole
144.3

148.0 - Dr. Lt. Pole

2+39 - U.S. B.M.
44
miles.

Curb 203.0
150

S.W. 185.3 - 177.6

2+0

1+12 Curb
706.5

1+50

1+19.5 Pole
706.5

1+0

+57.4 Curb
706.4

0+50

0+20.5 Curb Walk
717.0

0+0

Note See Pages 5-6
for further Detail

Curb 732
544.7

+42.5 on 12 Pole
714

Curb 732
Walk 741.7

Curb 215

Walk
Curb 730" gutter

1807.171.1
S.M.I.
1807.171.1

556

Walk
Curb

730" concrete gutter

+49.6 Red Curb 731
+49.6 on Walk 740

6.33

59.75

8.4

+49.6 Curb 215
P.L. 20
0+01.5-M.H. 233

706

59.80

70

59.80

2

0

4

Kind and Condition of Side Walks & Curb.

Conc. Curb,
Conc. Walk good.

Park.

Concrete Walk. (Good)
6" Concrete Curb (no salvage)
30" Conc. Gutter.

Wash. St.

Macadam Pavement

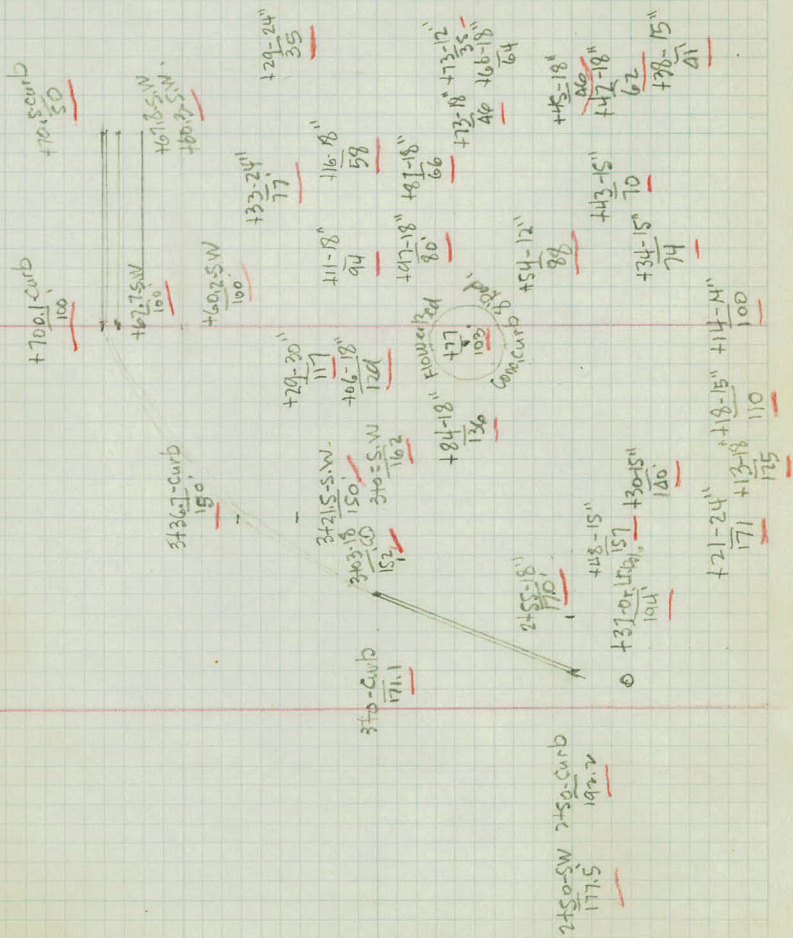
Tile Walk (Poor)
6" Conc. Curb (no salvage)
30" Conc. Gutter. (no salvage)

3rd St.

Mac. Pav.

Topography/
Washington.

3rd to 4th



9111-1581
M.S.-072

204
Chang-ot

$$\begin{array}{r} 81-18'' \\ +88 \\ \hline 172 \end{array}$$
$$\begin{array}{r} + 87 - 18'' \\ 143 \end{array}$$
$$\begin{array}{r} 951 \\ 51 \overline{) 51951} \end{array}$$
$$\begin{array}{r} 187 \\ + 49 - 24 \\ \hline \end{array}$$
$$\begin{array}{r} +34-18 \\ \hline 172 \end{array}$$
$$\begin{array}{r} 172 \\ + 33-18 \\ \hline 137-20 \end{array}$$
$$\frac{157}{157} + \frac{157}{157}$$
$$\begin{array}{r} +21-18 \\ \hline 3 \end{array}$$
$$\begin{array}{r} 155 \\ + 71 \\ \hline 226 \end{array}$$
$$\begin{array}{r} 181 \\ 70-12 \\ \hline \end{array}$$

171
106-584

$$+99-24'' + 55-18''$$

601
81-55+

$$+36-30 = 6$$
$$+ 36 - 2$$

27-M.H-Sun/pt

Drinking water

+69-18'
82

$$\begin{array}{r} 72 \\ 94-18 \\ \hline \end{array}$$
$$+19-18 = 1$$
$$\begin{array}{r} +14-30 \\ \hline 35 \end{array}$$

922
81-764

$$+42-12''$$
$$\begin{array}{r} +42-18 \\ \hline 33 \end{array}$$

$+53-15''$

21-55 + A5

15" + 12-15" 68

$$+76-97+$$

81-19+

81-25 + 55 = 136

$$\frac{66}{99}$$
$$\begin{array}{r} 99 \\ + 36 \\ \hline 135 \end{array}$$

+28-Dr. L.R. 194

Washington

5
2
10
1

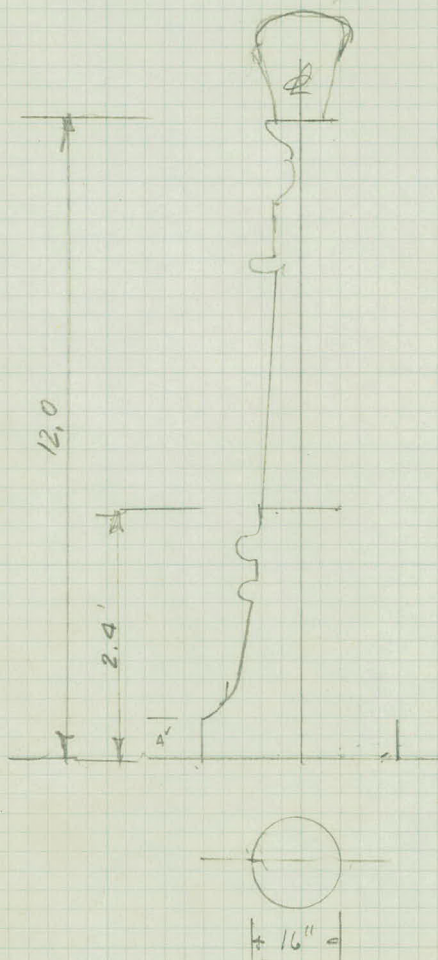
26

10

60

6

Detail of Ornamental Lamp.



Model 8- Lt. Pole

Topography

3rd St.

Clark to Wash.

2+18.58- ϵ Wash.

2+0

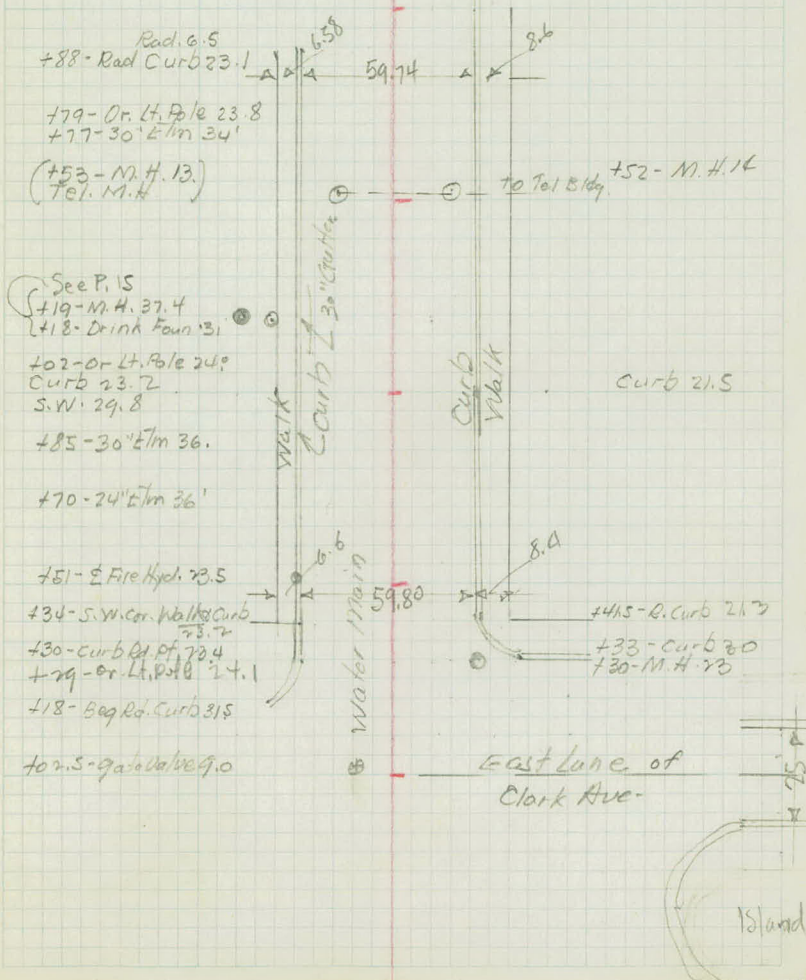
+88.8 - Cor. Walk 29.6

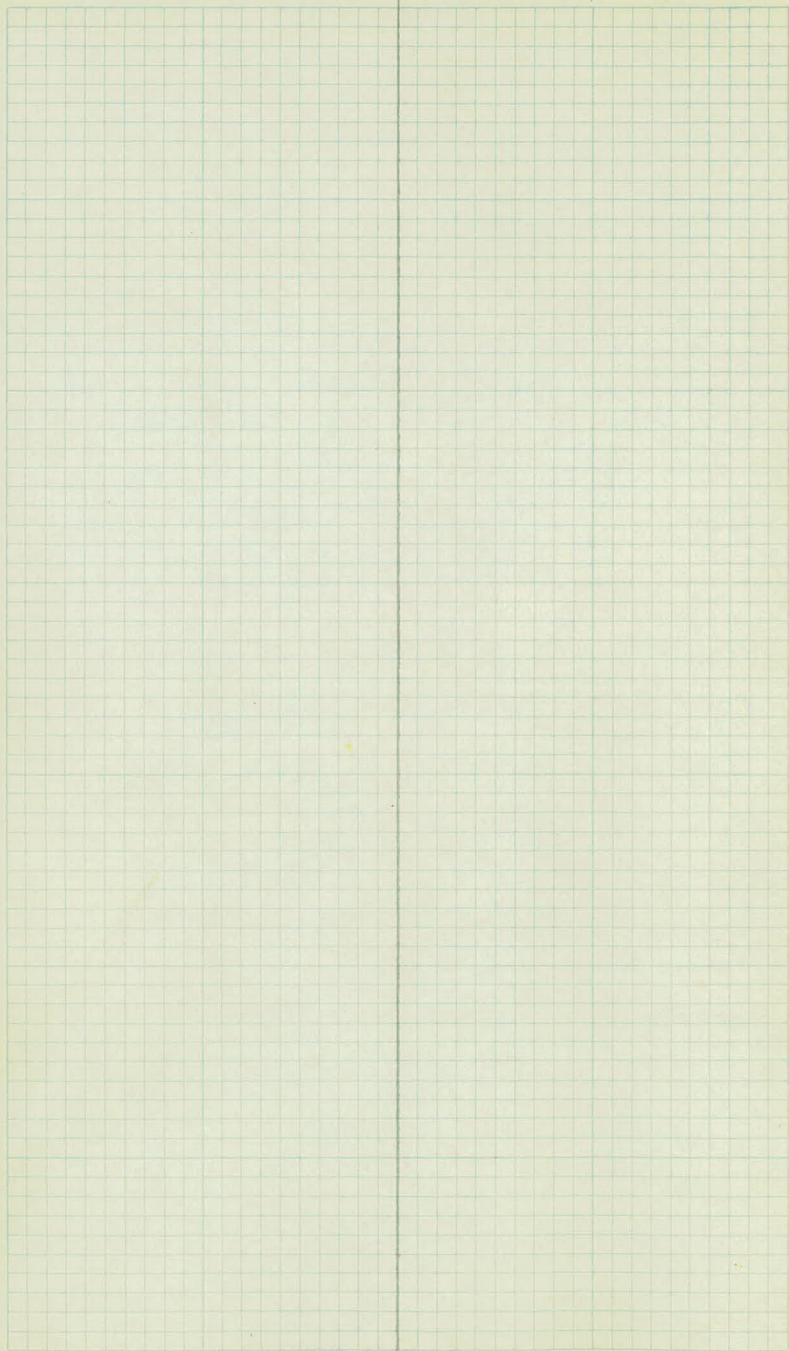
+50

1+0

+50

0+0

2 Washington



Topography.
4th St.

4th St,

+61.8- Approx E Danning Ave

5

4

3

2+0 = 4 Wash.

1

+81 Catch Basin 21.3

+71.5 M.H. 05

+45 Catch Basin
20'

+76.5 M.H. 18

+30 Curb Line 20'

+23 M.H. 10

+15 Gate Valve 100

+09 Gate Valve 75

+81 Gate Valve 9.5

+12 P.D.
22

Power Supply
for On Lot

+83 Curb/lot 22.4
20" Pit.
Storm Sewer
+56 Manhole 0-
to Lake
+41.5 Curb/lot
22.2

+40.3

0

4.65

4.0

+20 Curb Line 20'

Wash.

+76.9 Curb Line 19.7-5' Rd.

+61 Dr. Lt. Pole 21.2

Park

Curb - 19.7

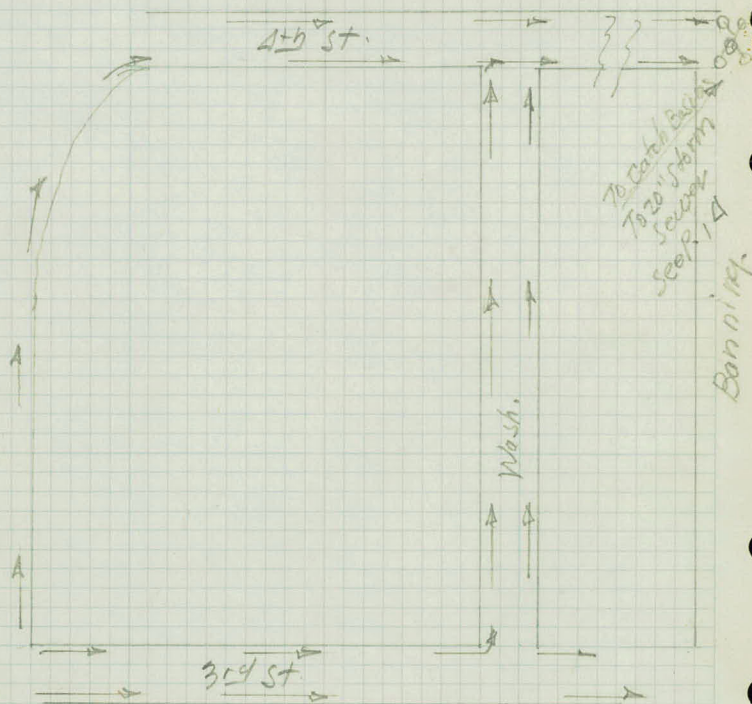
S.V. - 223-248

+79.6 Dr. Lt. Pole 21.2

+41.85 Rd Curb 19.7

See P.

Present Drainage



Levels & X-Sea.

Sta.	+	-	Elev.
B.M.			939.29
B.M.	0.96	743.14	942.18
		2.04	941.10
T.B.M.		0.47	942.67
	1.00	942.10	941.10
		1.57	940.53
	1.67	944.34	942.67

Levels & Cross Sections

3rd St. Clark to Washing

0+0 = $\frac{1}{2}$ East Lane Clark

0+50 40.13

1+0

1+19 - Lt

1+50

1+53 M.H.

1+89

2+18.88 = $\frac{1}{2}$ Wash.

U.S. B.M. Church) out Batt Eagle Rd near
N.E. Cor. Hyd. 4th & White Bear.
corn Lt. Polo N. 2nd cor. Park
Hyd. @ Clark & 3rd to be moved

Hyd. N.E. cor. 4th & Banning.

					41.01 433 0				
39.9	39.31	Curb	944						
<u>4.4</u>	<u>503 SW</u>	39.20	39.01	39.83	40.13	40.05	944	Curb	
50	779	5.08	5.33	4.51	4.21	4.29	39.49	39.77	
		23.2	23.2	10		10	4.85	4.57	
							21.2	21.2	
39.54	39.39	39.27	39.88	39.74	39.90	39.75	39.30	39.65	
<u>4.0</u>	<u>4.95</u>	<u>5.07</u>	<u>5.46</u>	<u>4.60</u>	<u>4.44</u>	<u>4.59</u>	<u>5.04</u>	<u>4.69</u>	
50	775 SW	73.2	73.2	10		10	21.5	21.5	

21.05
Batt Sump
13.79

39.37
4.97 room. H. Ring

39.44	39.31	39.24	38.73	39.60	39.82	39.62	39.04	39.41	
<u>4.9</u>	<u>5.03</u>	<u>5.10</u>	<u>5.61</u>	<u>4.74</u>	<u>4.52</u>	<u>4.72</u>	<u>5.20</u>	<u>4.93</u>	
50	778 SW	73.2	73.2	10		10	21.6	21.6	

39.27 38.73 39.50
5.07 5.61 4.84 - Top of M. H. 39.80
73.2 73.2 13 4.54

39.24
5.10
50 Cr Walk

39.31	39.26	38.74	39.41	39.63	39.59	38.85	39.38	
<u>5.03</u>	<u>5.06</u>	<u>5.60</u>	<u>4.93</u>	<u>4.71</u>	<u>4.75</u>	<u>5.49</u>	<u>4.96</u>	
79.7	73.1	73.1	10		To	21.7	21.7	

39.45
4.89
20

39.52
4.89
10

39.57
4.77
10

39.39
4.95
10

38.82
5.52
21.5

39.29
5.05
21.5

Washington
3rd to 4th

944.34

B.M. 2.67 944.34 2.67 941.67

0+0 = 2 3rd

0+30 N.P.L.

0+50

1+0

1+50

2+0

2+50

T.D. 4.13 942.95 5.52 938.82

B.M. 4.21 942.93 4.21 938.74

2+50

3+0

3+50

2+0
+205 gutter line

3+40 4th st.

East

L

H

Top Hyd. N.E. cor. 3rd & Wash.
$$\begin{array}{r} 39.471 \\ 20 \\ \hline \end{array}$$

$$\begin{array}{r} 39.57 \\ 4.77 \\ \hline \end{array}$$

$$\begin{array}{r} 39.40 \\ 4.94 \\ \hline 30 \end{array}$$

39.38	39.31	39.29	38.71	39.27	39.45	39.29	38.60	39.03
4.96	5.08	5.05	5.63	5.07	4.84	5.05	5.74	5.31
50	20.6	23.1	23.1	10		10	21.7	21.7

38.95	39.33	39.55	39.21	39.19	38.47	39.19	39.36	39.18	38.45
5.84	5.01	4.79	5.13	5.15	5.87	5.16	4.98	5.16	5.89
20.5	20.54	50	20.5	20.5	23.2	10		10	21.7

38.95	39.33	39.55	39.21	39.19	38.47	39.19	39.36	39.18	38.45
5.84	5.01	4.79	5.13	5.15	5.87	5.16	4.98	5.16	5.89
20.5	20.54	50	20.5	20.5	23.2	10		10	21.7

38.95	39.33	39.55	39.21	39.19	38.47	39.19	39.36	39.18	38.45
5.84	5.01	4.79	5.13	5.15	5.87	5.16	4.98	5.16	5.89
20.5	20.54	50	20.5	20.5	23.2	10		10	21.7

38.52	39.14	39.54	38.94	38.84	38.14	38.75	39.95	38.70	38.04
5.84	5.04	4.8	5.30	5.0	6.20	5.59	5.34	5.64	6.22
20.4	20.4	150	50	20.8	23.2	10		10	21.5

38.37	39.10	38.9
5.97	5.24	5.4
19.2	20.2	15.0

38.74	38.58	38.45	37.79	38.47	38.55	38.33
4.21	4.37	4.50	5.16	4.48	4.40	4.62
50	20.8	23.2	23.2	10	10	21.5

38.74	38.58	38.45	37.79	38.47	38.55	38.33
4.21	4.37	4.50	5.16	4.48	4.40	4.62
50	20.8	23.2	23.2	10	10	21.5

38.74	38.58	38.45	37.79	38.47	38.55	38.33
4.21	4.37	4.50	5.16	4.48	4.40	4.62
50	20.8	23.2	23.2	10	10	21.5

37.53	37.40	37.33	36.98
5.54	5.55	5.2	5.97
50	20		20 = gatter

4th St.

Clark to Banning.

94258

0480

1470 - N. PL.

240 = 2 Wash.

340

T.P.

4.50

941.97

548

937.47

440

5430

10 PL.

5456

E.M. Hole.
0

B.M.

1.44

940.53

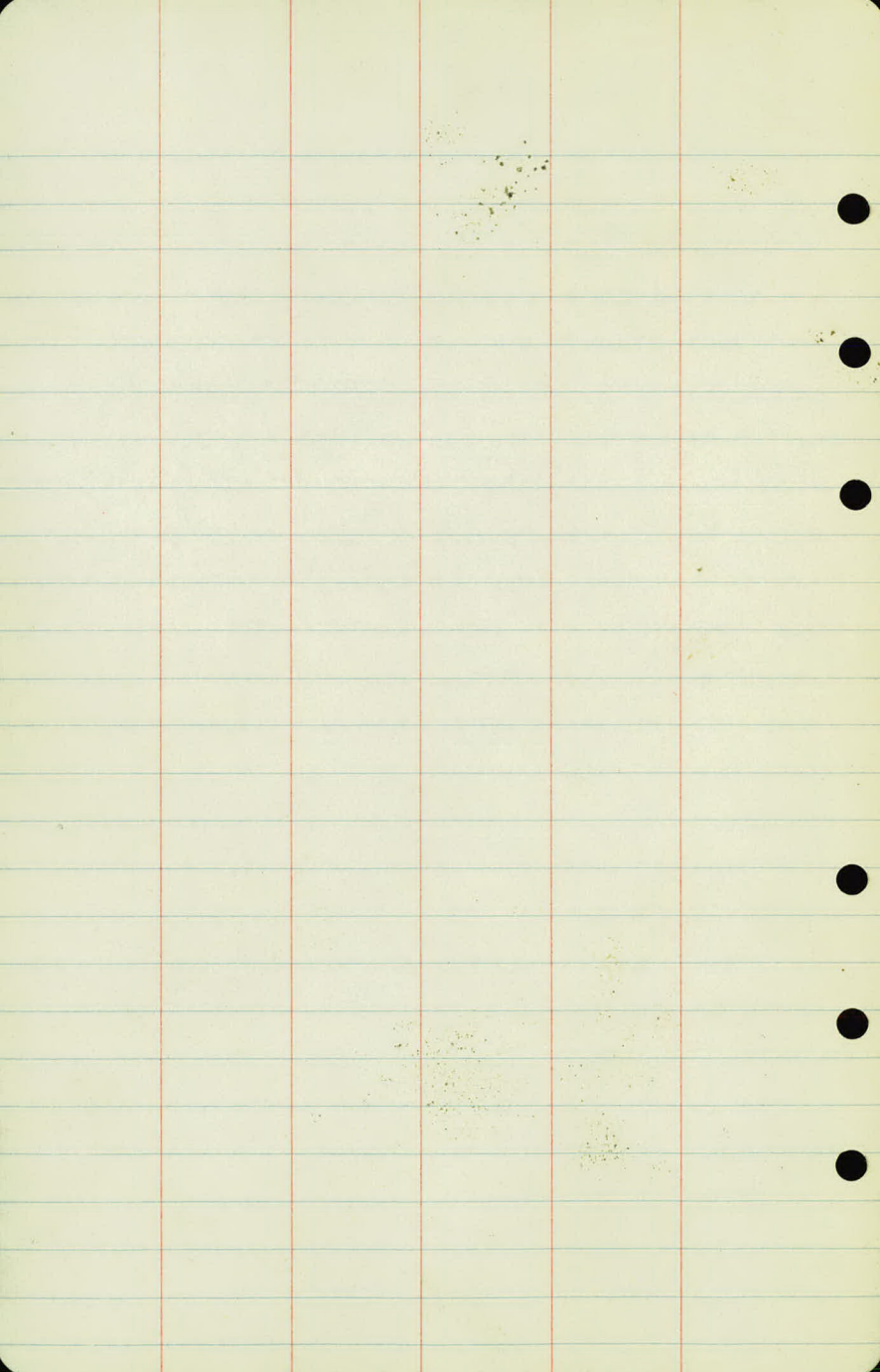
41 12A
North & South

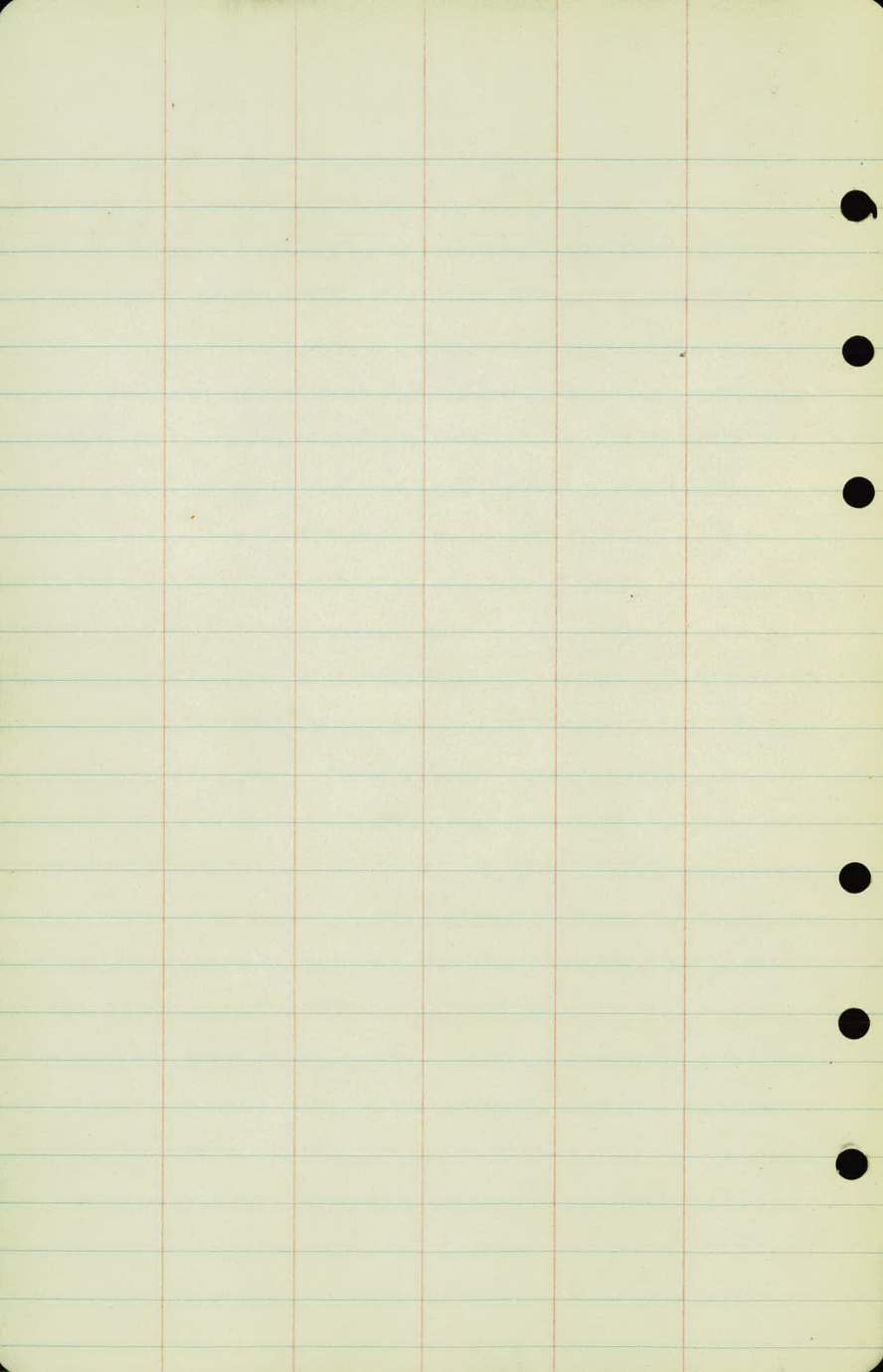
924, 016

38.25 460 <u>203</u>	37.82 5.13 <u>203</u>	38.24 471 <u>10</u>	38.46 449 <u>10</u>	38.26 469 <u>10</u>	37.96 499 <u>19.7</u>	38.48 447 <u>19.7</u>
38.01 494 <u>20</u>	37.56 5.34 <u>20</u>	37.77 5.18 <u>10</u>	37.95 5.00 <u>10</u>	37.77 5.18 <u>10</u>	37.50 5.05 <u>20</u>	38.04 4.91 <u>20</u>
37.46 509 <u>30</u>	37.29 5.66 <u>20</u>	37.60 5.25 <u>10</u>	37.82 5.13 <u>10</u>	37.76 5.19 <u>10</u>	37.30 5.65 <u>20</u>	37.80 5.09 <u>20</u>
37.35 560 <u>20</u>	36.76 6.19 <u>20</u>	37.35 5.60 <u>10</u>	37.52 5.43 <u>10</u>	37.52 5.43 <u>10</u>	36.93 6.02 <u>20</u>	37.59 5.36 <u>20</u>
37.18 4.74 <u>20</u>	36.60 5.37 <u>20</u>		37.36 4.61 <u>10</u>		36.72 5.28 <u>20</u>	37.25 4.72 <u>20</u>
37.18 4.89 <u>20</u>	36.30 5.67 <u>20</u>		37.14 4.82 <u>10</u>		36.35 5.62 <u>20</u>	37.12 4.85 <u>20</u>

37.23
Top Ring 4.74

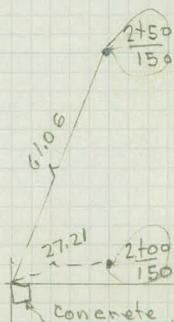
30.52
1145
= Flood 20' U. + Storm Surge





Ties to
st. Intersections

2



P.O. Prop.

150.06

03 rail/sin
flag pole

132.10

24.0400

51.84

95.18

46.17

0+50

22 3rd St.

55.33

Cor Brick Wall

25' Clark Island

25' Clark

Sta. 3+90.46

Top of Fire Hyd.

38.79 ± 4th St.

37.35

Top of Conc.
Mail Box Post

Sta. 2+00

E Banning St 61.8

Park

45.02

E Washington St

2+00

63.57

1+50

150.70

Top of Fire Hyd.

43.21

Sta. 2+18.58

N.E. cor. Conc.
Step.

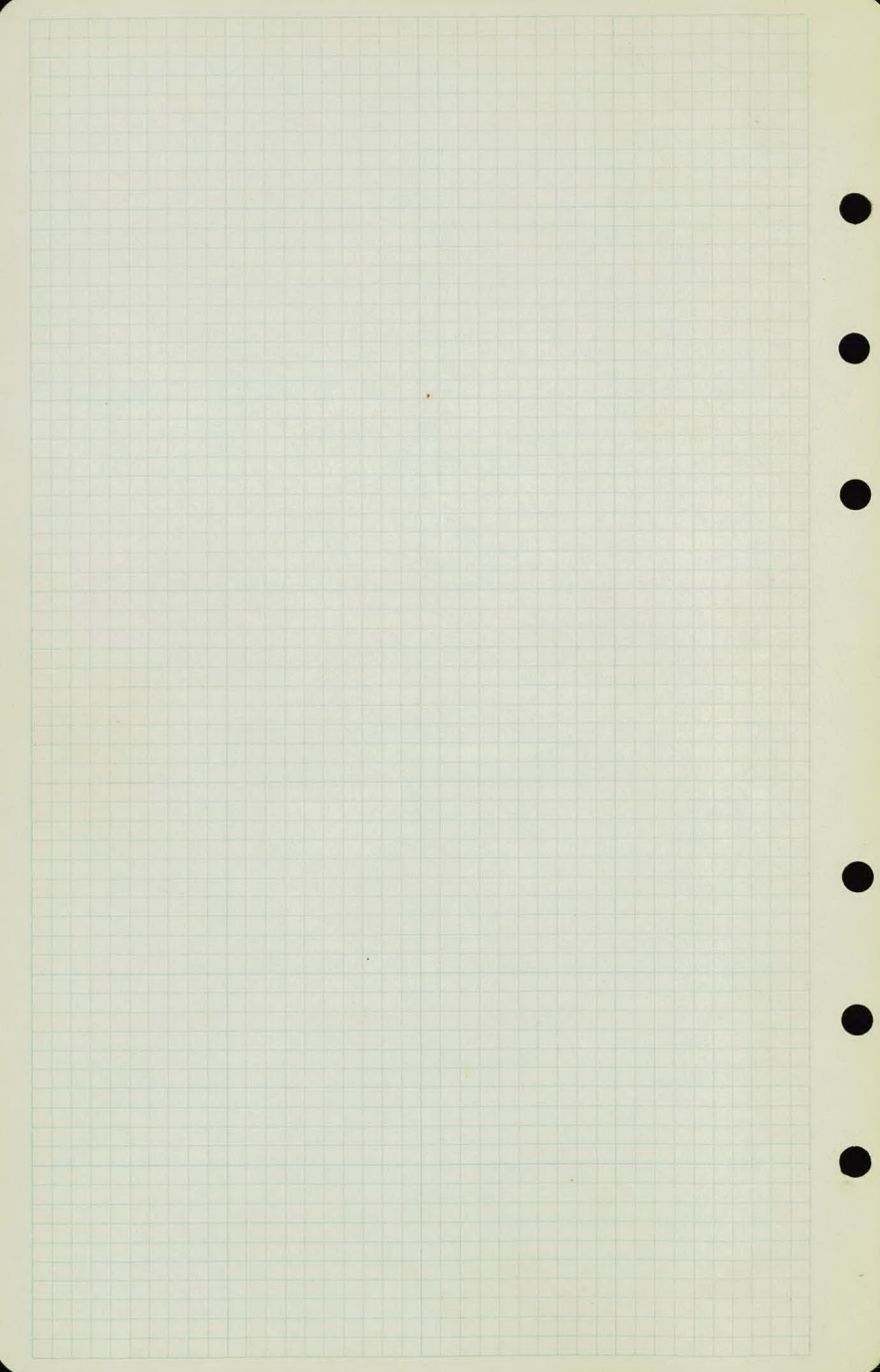
52.12

51.07

1+50

2+00

32.99



Equation

to Gov. B. M.

@ White Bear.

	+	↑	-	Elev.
B.M.	① + 2.21	43.88		941.67
		① 4.20		939.08

B.M.	② + 1.01		4.18	
------	----------	--	------	--

B.M.	② 2.16	943.76		941.10
		4.18	939.08	

B.M.	① 1.22		4.80	
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B.M.	① 5.15	943.89	4.80	938.74
	② 4.52		4.18	

W. H. C.
May - 20, 1937

Hyd. 3548 Wash.

= 100.00 - B.M., Top South corner of
Lower step of White Bear Drug Ed.

Mail Box Post.

Or. Lt. Pole

Hyd. Clark & 3rd

Government B.M.

