

Book #4, Dr. 14

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Final Survey

WHITE BEAR AVENUE

From 4th St. To City limits

White Bear Lake

Road Acc't. No. 32-W.B.1

Date Filed 1932

File 14

Final X-Sections
White Bear Ave

32-WB1

B.M.

0.13

942.31 ✓

942.18

0+00

38.2

+18

37.7

+31

38.3

+50

38.1

1

38.0

+50

37.6

2

37.0

+50

36.4

3

35.9

+50

35.5

T.P.

4.87

940.70 ✓

6.48

935.83 ✓

+71

35.4

+74

35.4

Top of Hyd. W.B. Ave & 4th St.

$$\begin{array}{r} 4.2 \\ 33 \end{array} \quad 4.1 \quad \begin{array}{r} 3.9 \\ 33 \end{array}$$

$$\begin{array}{r} 4.9 \\ 33 \end{array} \quad 4.6 \quad \begin{array}{r} 4.4 \\ 33 \end{array}$$

$$\begin{array}{r} 4.2 \\ 30 \end{array} \quad \begin{array}{r} 4.1 \\ 18 \end{array} \quad \begin{array}{r} 4.8 \\ 18 \end{array} \quad 4.0 \quad \begin{array}{r} 4.2 \\ 18 \end{array} \quad \begin{array}{r} 3.6 \\ 18 \end{array} \quad \begin{array}{r} 3.5 \\ 30 \end{array}$$

$$\begin{array}{r} 4.3 \\ 30 \end{array} \quad \begin{array}{r} 4.0 \\ 29 \end{array} \quad \begin{array}{r} 4.0 \\ 18 \end{array} \quad \begin{array}{r} 4.7 \\ 18 \end{array} \quad 4.2 \quad \begin{array}{r} 4.5 \\ 18 \end{array} \quad \begin{array}{r} 3.7 \\ 18 \end{array} \quad \begin{array}{r} 3.6 \\ 29 \end{array} \quad \begin{array}{r} 3.0 \\ 30 \end{array}$$

$$\begin{array}{r} 3.8 \\ 30 \end{array} \quad \begin{array}{r} 4.0 \\ 29 \end{array} \quad \begin{array}{r} 4.0 \\ 18 \end{array} \quad \begin{array}{r} 4.8 \\ 18 \end{array} \quad 4.3 \quad \begin{array}{r} 4.7 \\ 18 \end{array} \quad \begin{array}{r} 4.0 \\ 18 \end{array} \quad \begin{array}{r} 4.0 \\ 29 \end{array} \quad \begin{array}{r} 3.3 \\ 30 \end{array}$$

$$\begin{array}{r} 4.4 \\ 30 \end{array} \quad \begin{array}{r} 4.4 \\ 18 \end{array} \quad \begin{array}{r} 5.2 \\ 18 \end{array} \quad 4.7 \quad \begin{array}{r} 5.1 \\ 18 \end{array} \quad \begin{array}{r} 4.4 \\ 18 \end{array} \quad \begin{array}{r} 4.3 \\ 30 \end{array}$$

$$\begin{array}{r} 5.2 \\ 30 \end{array} \quad \begin{array}{r} 5.0 \\ 29 \end{array} \quad \begin{array}{r} 4.9 \\ 18 \end{array} \quad \begin{array}{r} 5.7 \\ 18 \end{array} \quad 5.3 \quad \begin{array}{r} 5.7 \\ 18 \end{array} \quad \begin{array}{r} 4.9 \\ 18 \end{array} \quad \begin{array}{r} 5.0 \\ 30 \end{array} \quad \begin{array}{r} 5.3 \\ 31 \end{array}$$

$$\begin{array}{r} 5.8 \\ 31 \end{array} \quad \begin{array}{r} 5.4 \\ 30 \end{array} \quad \begin{array}{r} 5.5 \\ 18 \end{array} \quad \begin{array}{r} 6.3 \\ 18 \end{array} \quad 5.9 \quad \begin{array}{r} 6.3 \\ 18 \end{array} \quad \begin{array}{r} 5.6 \\ 18 \end{array} \quad \begin{array}{r} 5.6 \\ 30 \end{array}$$

$$\begin{array}{r} 6.0 \\ 30 \end{array} \quad \begin{array}{r} 6.1 \\ 30 \end{array} \quad \begin{array}{r} 6.1 \\ 18 \end{array} \quad \begin{array}{r} 6.9 \\ 18 \end{array} \quad 6.4 \quad \begin{array}{r} 6.9 \\ 18 \end{array} \quad \begin{array}{r} 6.1 \\ 18 \end{array} \quad \begin{array}{r} 6.1 \\ 30 \end{array} \quad \begin{array}{r} 6.2 \\ 30 \end{array}$$

$$\begin{array}{r} 6.2 \\ 30 \end{array} \quad \begin{array}{r} 6.4 \\ 30 \end{array} \quad \begin{array}{r} 6.5 \\ 18 \end{array} \quad \begin{array}{r} 7.2 \\ 18 \end{array} \quad 6.8 \quad \begin{array}{r} 7.3 \\ 18 \end{array} \quad \begin{array}{r} 6.5 \\ 18 \end{array} \quad \begin{array}{r} 6.3 \\ 29 \end{array} \quad \begin{array}{r} 6.1 \\ 28 \end{array}$$

$$\begin{array}{r} 4.6 \\ 33 \end{array} \quad \begin{array}{r} 4.9 \\ 32 \end{array} \quad \begin{array}{r} 4.9 \\ 21 \end{array} \quad \begin{array}{r} 5.8 \\ 21 \end{array} \quad 5.3 \quad \begin{array}{r} 5.9 \\ 18 \end{array} \quad \begin{array}{r} 5.6 \\ 21 \end{array} \quad \begin{array}{r} 4.9 \\ 21 \end{array} \quad \begin{array}{r} 4.9 \\ 38 \end{array}$$

$$\begin{array}{r} 4.8 \\ 32 \end{array} \quad \begin{array}{r} 4.9 \\ 24 \end{array} \quad \begin{array}{r} 5.8 \\ 24 \end{array} \quad 5.3 \quad \begin{array}{r} 5.8 \\ 18 \end{array} \quad \begin{array}{r} 5.5 \\ 24 \end{array} \quad \begin{array}{r} 4.9 \\ 24 \end{array} \quad \begin{array}{r} 5.0 \\ 33 \end{array} \quad \begin{array}{r} 5.9 \\ 36 \end{array}$$

✓
940.70

3+79

35.4

+89.5

4 5th St.

35.4

4

35.4

+07

35.5

+09

35.5

+50

35.6

5

35.5

+50

35.7

6

35.8

+50

35.8

7

35.9

+50

35.8

8

35.9

$$\frac{4.7}{39} \quad \frac{5.8}{24} \quad 5.3 \quad \frac{5.8}{18} \quad \frac{5.0}{37}$$

$\overline{39}$ $\overline{24}$ 5.3 $\overline{18}$ $\overline{37}$

$$\begin{array}{r} 4.7 \\ 39 \end{array} \quad \begin{array}{r} 5.8 \\ 25 \end{array} \quad 5.3 \quad \begin{array}{r} 5.8 \\ 18 \end{array} \quad \begin{array}{r} 4.6 \\ 37 \end{array}$$

$\frac{39}{25} \quad 5.3 \quad \frac{18}{37}$

$$\begin{array}{r} 48 \\ 35 \\ \hline \end{array} \quad \begin{array}{r} 58 \\ 18 \\ \hline \end{array} \quad 53 \quad \begin{array}{r} 58 \\ 24 \\ \hline \end{array} \quad \begin{array}{r} 50 \\ 41 \\ \hline \end{array}$$

35 18 5.3 24 41

$\frac{4.9}{33}$	$\frac{4.9}{22}$	$\frac{5.6}{22}$		$\frac{5.7}{22}$	$\frac{4.9}{22}$	$\frac{4.9}{33}$
------------------	------------------	------------------	--	------------------	------------------	------------------

$\frac{1}{33} \quad \frac{1}{22} \quad \frac{1}{22} \quad 5.2 \quad \frac{1}{22} \quad \frac{1}{22} \quad \frac{1}{33}$

$$\begin{array}{r} 46 \\ 33 \\ \hline \end{array} \quad \begin{array}{r} 49 \\ 33 \\ \hline \end{array} \quad \begin{array}{r} 49 \\ 21 \\ \hline \end{array} \quad \begin{array}{r} 57 \\ 21 \\ \hline \end{array} \quad 52 \quad \begin{array}{r} 57 \\ 21 \\ \hline \end{array} \quad \begin{array}{r} 49 \\ 21 \\ \hline \end{array} \quad \begin{array}{r} 49 \\ 29 \\ \hline \end{array}$$

$\overline{33} \quad \overline{33} \quad \overline{21} \quad \overline{21} \quad \overline{52} \quad \overline{21} \quad \overline{21} \quad \overline{29}$

$$\frac{4.7}{26} \quad \frac{4.9}{18} \quad \frac{5.6}{18} \quad 5.1 \quad \frac{5.6}{18} \quad \frac{4.9}{18} \quad \frac{4.9}{25} \quad \frac{4.7}{25}$$

26 18 18 5.1 18 18 25 25

$\frac{5.3}{27}$	$\frac{4.8}{26}$	$\frac{4.8}{18}$	$\frac{5.6}{18}$	5.2	$\frac{5.6}{18}$	$\frac{4.8}{18}$	$\frac{4.8}{25}$
------------------	------------------	------------------	------------------	-----	------------------	------------------	------------------

27 26 18 18 5.2 18 18 25

<u>5.1</u>	<u>4.8</u>	<u>4.7</u>	<u>5.5</u>		<u>5.6</u>	<u>4.7</u>	<u>4.7</u>	<u>4.9</u>
27	26	18	18	5.0	18	18	25	26

27 26 18 18 5.0 18 18 25 26

$\frac{4.8}{26}$	$\frac{4.7}{26}$	$\frac{4.7}{18}$	$\frac{5.5}{18}$		$\frac{5.4}{18}$	$\frac{4.7}{18}$	$\frac{4.7}{25}$	$\frac{4.2}{26}$
------------------	------------------	------------------	------------------	--	------------------	------------------	------------------	------------------

26 26 18 18 49 18 18 25 26

<u>4.0</u>	<u>4.5</u>	<u>4.6</u>	<u>5.3</u>		<u>5.3</u>	<u>4.6</u>	<u>4.6</u>	<u>3.9</u>
26	25	18	18	49	18	18	25	26

$\frac{26}{26} \frac{25}{25} \frac{18}{18} \frac{18}{18} 49 \frac{18}{18} \frac{18}{18} \frac{25}{25} \frac{26}{26}$

$$\frac{43}{25} \quad \frac{45}{25} \quad \frac{45}{18} \quad \frac{52}{18} \quad 4.8 \quad \frac{52}{18} \quad \frac{45}{18} \quad \frac{44}{25} \quad \frac{39}{26}$$

25 25 18 18 4.8 18 18 25 26

$$\begin{array}{r} 4.5 \\ 25 \end{array} \quad \begin{array}{r} 4.5 \\ 18 \end{array} \quad \begin{array}{r} 5.3 \\ 18 \end{array} \quad 4.9 \quad \begin{array}{r} 5.2 \\ 18 \end{array} \quad \begin{array}{r} 4.6 \\ 32 \end{array} \quad \begin{array}{r} 4.2 \\ 33 \end{array}$$

25 18 18 49 18 32 33

$$\frac{4.6}{26} \quad \frac{4.4}{25} \quad \frac{4.5}{18} \quad \frac{5.3}{18} \quad 4.8 \quad \frac{5.2}{18} \quad \frac{4.5}{18} \quad \frac{4.5}{25} \quad \frac{4.7}{26}$$

26 25 18 18 48 18 18 25 26

940.70 ✓

8+50

35.8

9

35.7

+50

35.8

10

T.P.

4.23

940.01 ✓

4.92

935.78 ✓

35.7

+50

35.6

11

B.M.

3.74

936.27

936.27

+50

35.4

12

35.3

+50

35.3

13

35.2

+50

35.1

14

34.9

+50

35.0

$$\begin{array}{cccc} \frac{4.6}{25} & \frac{4.6}{18} & \frac{5.3}{18} & 4.9 \end{array} \quad \begin{array}{cccc} \frac{5.3}{18} & \frac{4.6}{18} & \frac{4.5}{26} & \frac{4.3}{26} \end{array}$$

$$\begin{array}{cccc} \frac{4.6}{25} & \frac{4.6}{18} & \frac{5.4}{18} & 5.0 \end{array} \quad \begin{array}{cccc} \frac{5.4}{18} & \frac{4.6}{18} & \frac{4.6}{25} & \frac{4.1}{26} \end{array}$$

$$\begin{array}{cccc} \frac{4.9}{26} & \frac{4.7}{25} & \frac{4.7}{18} & \frac{5.3}{18} \end{array} \quad \begin{array}{cccc} 4.9 & \frac{5.4}{18} & \frac{4.7}{18} & \frac{4.6}{26} \end{array} \quad \frac{4.8}{27}$$

$$\begin{array}{cccc} \frac{4.7}{25} & \frac{4.7}{18} & \frac{5.5}{18} & 5.0 \end{array} \quad \begin{array}{ccc} \frac{5.6}{18} & \frac{4.7}{18} & \frac{4.8}{24} \end{array}$$

$$\text{S.W.} \quad \begin{array}{cccc} \frac{4.2}{21} & \frac{4.1}{18} & \frac{4.8}{18} & 4.4 \end{array} \quad \begin{array}{cccc} \frac{4.8}{18} & \frac{4.1}{18} & \frac{4.0}{24} & \frac{4.1}{25} \end{array}$$

$$\begin{array}{cccc} \frac{4.2}{21} & \frac{4.1}{18} & \frac{4.9}{18} & 4.4 \end{array} \quad \begin{array}{ccc} \frac{5.1}{18} & \frac{4.6}{32} & \frac{4.3}{34} \end{array}$$

Spk. in P.P. S.E. Cor. 7th & W.B. Ave

$$\begin{array}{cccc} \frac{4.2}{21} & \frac{4.1}{18} & \frac{4.9}{18} & 4.6 \end{array} \quad \begin{array}{cccc} \frac{4.9}{18} & \frac{4.1}{18} & \frac{4.1}{24} & \frac{4.4}{25} \end{array}$$

$$\begin{array}{cccc} \frac{4.3}{21} & \frac{4.2}{18} & \frac{5.1}{18} & 4.7 \end{array} \quad \begin{array}{cccc} \frac{5.1}{18} & \frac{4.3}{18} & \frac{4.3}{25} & \frac{4.6}{26} \end{array}$$

$$\begin{array}{cccc} \frac{4.3}{21} & \frac{4.3}{18} & \frac{5.1}{18} & 4.7 \end{array} \quad \begin{array}{cccc} \frac{5.2}{19} & \frac{4.3}{18} & \frac{4.3}{25} & \frac{4.7}{25} \end{array}$$

$$\begin{array}{cccc} \frac{4.3}{21} & \frac{4.4}{18} & \frac{5.2}{18} & 4.8 \end{array} \quad \begin{array}{cccc} \frac{5.2}{18} & \frac{4.4}{18} & \frac{4.4}{25} & \frac{4.7}{25} \end{array}$$

$$\begin{array}{cccc} \frac{4.5}{25} & \frac{4.5}{18} & \frac{5.4}{18} & 4.9 \end{array} \quad \begin{array}{cccc} \frac{5.4}{18} & \frac{4.6}{18} & \frac{4.6}{24} & \frac{4.7}{25} \end{array}$$

$$\begin{array}{cccc} \frac{4.5}{25} & \frac{4.6}{18} & \frac{5.4}{18} & 5.1 \end{array} \quad \begin{array}{ccc} \frac{5.4}{18} & \frac{4.7}{18} & \frac{4.7}{24} \end{array}$$

$$\begin{array}{cccc} \frac{3.6}{25} & \frac{4.7}{25} & \frac{4.7}{18} & \frac{5.5}{18} \end{array} \quad \begin{array}{ccc} 5.0 & \frac{5.4}{18} & \frac{5.1}{33} \end{array} \quad \frac{4.9}{34}$$

940.01 ✓

15

34.9

+50

35.3

16

35.7

+50

35.9

17

36.2

+11 ⁹⁰

36.0

B.M.

3.74

936.27 ✓

936.27

$$\begin{array}{r} 4.2 \\ 25 \end{array} \quad \begin{array}{r} 4.6 \\ 25 \end{array} \quad \begin{array}{r} 4.7 \\ 18 \end{array} \quad \begin{array}{r} 5.6 \\ 18 \end{array} \quad 5.1 \quad \begin{array}{r} 5.6 \\ 18 \end{array} \quad \begin{array}{r} 4.7 \\ 18 \end{array} \quad \begin{array}{r} 4.7 \\ 25 \end{array} \quad \begin{array}{r} 4.9 \\ 26 \end{array}$$

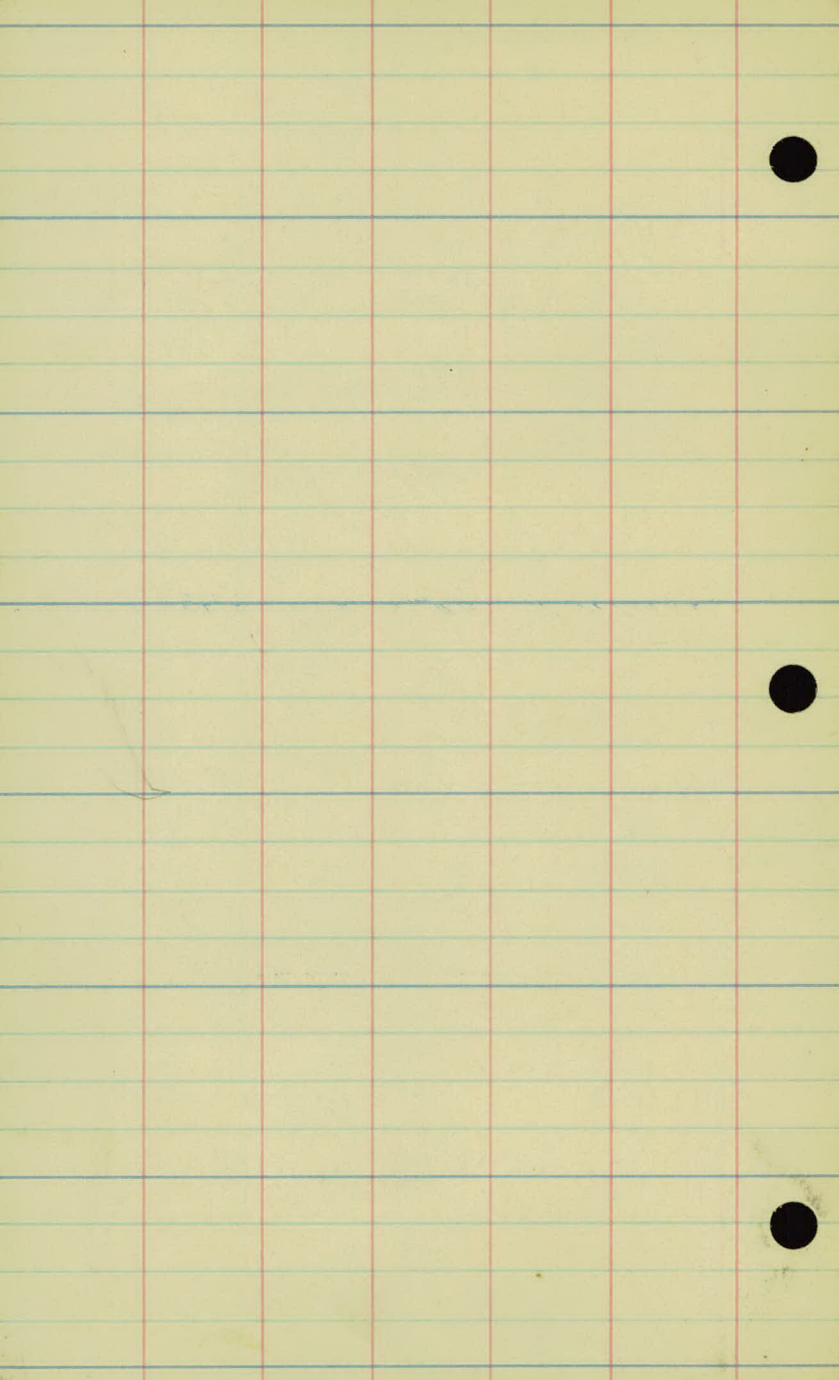
$$\begin{array}{r} 3.7 \\ 25 \end{array} \quad \begin{array}{r} 4.4 \\ 24 \end{array} \quad \begin{array}{r} 4.4 \\ 18 \end{array} \quad \begin{array}{r} 5.1 \\ 18 \end{array} \quad 4.7 \quad \begin{array}{r} 5.1 \\ 18 \end{array} \quad \begin{array}{r} 4.4 \\ 18 \end{array} \quad \begin{array}{r} 4.4 \\ 25 \end{array} \quad \begin{array}{r} 4.0 \\ 25 \end{array}$$

$$\begin{array}{r} 3.8 \\ 25 \end{array} \quad \begin{array}{r} 4.1 \\ 24 \end{array} \quad \begin{array}{r} 4.1 \\ 18 \end{array} \quad \begin{array}{r} 5.0 \\ 18 \end{array} \quad 4.3 \quad \begin{array}{r} 4.8 \\ 18 \end{array} \quad \begin{array}{r} 4.0 \\ 18 \end{array} \quad \begin{array}{r} 4.0 \\ 25 \end{array} \quad \begin{array}{r} 3.7 \\ 26 \end{array}$$

$$\begin{array}{r} 3.1 \\ 25 \end{array} \quad \begin{array}{r} 3.5 \\ 25 \end{array} \quad \begin{array}{r} 3.7 \\ 18 \end{array} \quad \begin{array}{r} 4.5 \\ 18 \end{array} \quad 4.1 \quad \begin{array}{r} 4.4 \\ 18 \end{array} \quad \begin{array}{r} 3.7 \\ 18 \end{array} \quad \begin{array}{r} 3.7 \\ 25 \end{array}$$

$$\begin{array}{r} 3.0 \\ 25 \end{array} \quad \begin{array}{r} 3.3 \\ 24 \end{array} \quad \begin{array}{r} 3.3 \\ 18 \end{array} \quad \begin{array}{r} 4.0 \\ 18 \end{array} \quad 3.8 \quad \begin{array}{r} 4.1 \\ 18 \end{array} \quad \begin{array}{r} 3.3 \\ 18 \end{array}$$

$$\begin{array}{r} 3.3 \\ 25 \end{array} \quad \begin{array}{r} 3.2 \\ 18 \end{array} \quad \begin{array}{r} 4.1 \\ 18 \end{array} \quad 4.0 \quad \begin{array}{r} 4.0 \\ 18 \end{array} \quad \begin{array}{r} 3.6 \\ 21 \end{array}$$



Final Topog.
White Bear Ave

5

4

3

2

1

0+00

✓
255[±] 6"

✓
93[±] 6"

+94

72

72

+129

+74

72

72

+92[±]

✓
56[±] 6"

✓
75[±] 6"

+17[±]

23[±]

23[±] 8"

+17[±]

+61[±]

23[±]

23[±] 8"

+61[±]

✓
81[±] 6"

✓
80[±] 6"

+799

72

72-8"

+81

+60

72

72-8"

+61[±]

✓
62[±] 6"

✓
125[±] 6"

+97[±]

72

+78[±]

72

+549

72

23[±] 6"

+349

72

72-8"

+359

✓
102[±] 6"

72-8"

+159 En

+32[±]

22[±]
8"

✓
83[±] 6"

+32[±] Beg 6" S.Curb.
+24[±] Beg 8" R.Curb

11

10

9

8

7

6

✓
255 ± 6"

234.8"

+345

+57

+37

72

72

✓
106 ± 6"

234

+783

+309

72

✓
303 ± 6"

+96

72

✓
126 ± 6"

+692

+492

72

72

235.8"

+749

235.8"

+192

✓
93 ± 6"

72

72

+26

+06

17

16

15

14

13

12

+112

✓
94±6"

72-8"

+95±

+17±

113

✓
195±6"

+89±

108

✓
116±6"

234

+00

+73±

114

+45±

122

✓
84±6"

234

+34±

+60±

155

+12±

105

✓
299±6"

