

Dr. 8 - Bk. 14

PLAN'S SURVEY (Force Acc't.)
SIBLEY MEMORIAL HIGH.
East of Lyndale Ave.
ROAD $\frac{1}{2}$ c No 89

Office of Ramsey Co. Engineer
ST. PAUL, MINN.

Date Filed 5-15-23

File No.

~~5~~

2

X SECTIONS

Sta. 42+00 — 100+00

Sheets 1-6

Sibley Memorial

Force Account Work

East of Lyndale Ave

1923

G. Reifler Inst.

Don Webber Hd Chain

J. Mahoney Rr. "

W. McNamara "

28

50

93

5-16-20

Sibley Memorial

Elev.

54	175.5 ✓
53	177.4 ✓
52	181.9 ✓
51	187.4 ✓
50	191.3 ✓
49	193.7 ✓
48	196.8 ✓
47	200.8 ✓
46	203.6 ✓
45	206.5 ✓
44	208.8 ✓
+30	Need 24' Culv. Drive R
43	211.3 ✓
42	212.4 ✓

$$\frac{-5.3}{33} \quad \frac{-4.5}{27} \quad \frac{-3.2}{23} \quad \frac{-3.0}{9} \quad \frac{-0.6}{4} \quad + \frac{0.2}{7} \quad \frac{-0.4}{15} \quad \frac{-6.6}{25} \quad \frac{-6.6}{33}$$

$$\frac{-5.5}{33} \quad \frac{-5.3}{31} \quad \frac{-4.4}{23} \quad \frac{-0.5}{16} \quad + \frac{0.4}{4} \quad + \frac{0.4}{8} \quad + \frac{1.1}{11} \quad + \frac{0.9}{23} \quad \frac{4.1}{33} -$$

$$+ \frac{2.0}{33} \quad \frac{-0.4}{19} \quad \frac{-1.2}{16} \quad \frac{-0.4}{13} \quad + \frac{0.2}{4} \quad + \frac{3.1}{19} \quad + \frac{3.1}{28} \quad + \frac{4.6}{33} -$$

$$+ \frac{0.4}{33} \quad + \frac{1.5}{22} \quad \frac{-0.1}{20} \quad \frac{-0.1}{5} \quad + \frac{2.2}{11} \quad + \frac{1.9}{33} \quad + \frac{5.9}{36} \quad \text{level}$$

$$\frac{-4.0}{33} \quad \frac{-2.6}{27} \quad \frac{-1.7}{20} \quad \frac{-0.5}{16} \quad \frac{-0.7}{11} \quad + \frac{0.2}{8} \quad + \frac{0.7}{12} \quad + \frac{1.0}{32} \quad + \frac{1.8}{33} \quad + \frac{5.0}{36} -$$

$$\frac{-5.1}{33} \quad \frac{-4.5}{30} \quad \frac{-2.0}{21} \quad \frac{-0.6}{16} \quad + \frac{0.2}{8} \quad + \frac{0.2}{24} \quad + \frac{1.7}{31} \quad + \frac{4.3}{33} \quad + \frac{5.8}{34} -$$

$$\frac{-1.5}{33} \quad \frac{-0.7}{21} \quad \frac{0.0}{24} \quad \frac{-0.2}{16} \quad \frac{-0.4}{13} \quad + \frac{0.6}{5} \quad + \frac{0.6}{15} \quad \frac{-0.2}{23} \quad + \frac{1.0}{30} \quad + \frac{4.1}{33} \quad + \frac{6.0}{35}$$

$$\frac{0.0}{33} \quad + \frac{0.4}{22} \quad \frac{-0.3}{20} \quad \frac{-0.4}{17} \quad \frac{-0.8}{13} \quad \frac{0.0}{7} \quad \frac{-1.1}{12} \quad \frac{-1.8}{18} \quad \frac{-1.1}{26} \quad + \frac{2.5}{30} \quad + \frac{2.3}{33}$$

$$+ \frac{0.1}{33} \quad \frac{-0.1}{21} \quad \frac{-0.8}{17} \quad \frac{-0.4}{13} \quad \frac{-0.2}{17} \quad \frac{-1.3}{20} \quad \frac{-1.2}{26} \quad \frac{-1.6}{33}$$

$$\frac{-1.8}{33} \quad \frac{-2.1}{26} \quad \frac{-1.9}{19} \quad \frac{-0.7}{14} \quad \frac{-0.6}{18} \quad \frac{-2.6}{21} \quad \frac{-2.1}{33}$$

$$+ \frac{1.1}{33} \quad + \frac{0.5}{26} \quad \frac{-1.4}{23} \quad \frac{-1.3}{20} \quad \frac{-0.3}{18} \quad \frac{-0.4}{16} \quad \frac{-0.8}{18} \quad \frac{-0.2}{29} \quad \frac{-0.1}{33}$$

$$\frac{-1.2}{33} \quad \frac{-1.2}{29} \quad \frac{-2.1}{20} \quad \frac{-1.9}{23} \quad \frac{-0.5}{20} \quad \frac{-0.3}{14} \quad \frac{-1.0}{17-19} \quad \frac{-0.4}{23} \quad \frac{-1.0}{33}$$

$$+ \frac{0.5}{33} \quad + \frac{0.5}{28} \quad \frac{-1.4}{26} \quad \frac{-1.3}{22} \quad \frac{-0.1}{18} \quad \frac{-0.7}{15} \quad \frac{-1.4}{17} \quad \frac{-1.4}{19} \quad + \frac{0.7}{23} \quad + \frac{2.6}{25} \quad + \frac{2.3}{33}$$

5-17-23

Sibley Mem

Elev.

64 148.5.

63 165.8.

62 174.8.

61 178.4.

60 176.7.

+08 179.4.

59 178.2.

58 172.8.

57 172.1.

56 166.4.

+75 166.5.

+47 169.9.

55 171.8.

$$\frac{-0.6}{43}$$

$$\frac{-0.6}{45}$$

$$\frac{-0.9}{33}$$

$$\frac{-1.2}{33}$$

$$\frac{-1.2}{50}$$

$$\frac{-1.3}{42}$$

$$\frac{-0.7}{33}$$

$$\frac{0.0}{16}$$

$$\frac{-0.1}{17}$$

$$\frac{-1.0}{33}$$

$$\frac{-1.5}{45}$$

$$\frac{-1.4}{42}$$

$$\frac{-1.2}{33}$$

$$\frac{-0.7}{23}$$

$$\frac{0.0}{33}$$

$$\frac{-0.6}{50}$$

$$\frac{-2.0}{40}$$

$$\frac{-1.6}{33}$$

$$\frac{-0.8}{21}$$

$$\frac{+0.4}{20}$$

$$\frac{+0.5}{30}$$

$$\frac{+0.5}{50}$$

$$\frac{-0.8}{45}$$

$$\frac{-0.8}{33}$$

$$\frac{-0.6}{17}$$

$$\frac{+0.1}{16}$$

$$\frac{0.0}{33}$$

Lead

$$\frac{-1.5}{33}$$

$$\frac{-2.2}{16}$$

$$\frac{-1.1}{12}$$

$$\frac{-0.7}{6}$$

$$\frac{0.0}{2}$$

$$\frac{-0.4}{4}$$

$$\frac{-0.7}{21}$$

$$\frac{-1.0}{33}$$

$$\frac{-1.3}{33}$$

$$\frac{-1.2}{12}$$

$$\frac{+0.2}{5}$$

$$\frac{+1.0}{6}$$

$$\frac{+1.5}{16}$$

+0.9

$$\frac{+0.7}{16}$$

$$\frac{+0.4}{33}$$

$$\frac{-2.2}{33}$$

$$\frac{+0.8}{22}$$

$$\frac{+1.0}{33}$$

$$\frac{-1.2}{33}$$

$$\frac{+0.1}{30}$$

$$\frac{+0.1}{23}$$

$$\frac{+0.4}{13}$$

$$\frac{-1.1}{33}$$

$$\frac{+3.9}{33}$$

$$\frac{+1.4}{26}$$

$$\frac{+1.2}{16}$$

$$\frac{+0.2}{12}$$

$$\frac{-1.0}{10}$$

$$\frac{-1.8}{33}$$

$$\frac{+3.3}{33}$$

$$\frac{+1.7}{28}$$

$$\frac{+0.6}{20}$$

$$\frac{+2.6}{17}$$

$$\frac{+2.9}{12}$$

$$\frac{+1.9}{4}$$

$$\frac{-1.6}{33}$$

$$\frac{+0.5}{33}$$

$$\frac{+0.4}{29}$$

$$\frac{-1.2}{21}$$

$$\frac{+0.5}{17}$$

$$\frac{+0.8}{10}$$

$$\frac{-1.7}{3}$$

$$\frac{-3.6}{33}$$

$$\frac{-1.1}{33}$$

$$\frac{-1.0}{22}$$

$$\frac{-1.3}{16}$$

$$\frac{-0.4}{13}$$

$$\frac{+0.1}{4}$$

$$\frac{+2.1}{9}$$

$$\frac{-2.2}{26}$$

$$\frac{-2.9}{33}$$

5-18-23

Sibley Memorial

Elev.

72 129.4

+50 129.1

71 130.8

+61 129.6

70 131.4

69 133.3

+05 136.4

68 138.2

+92 137.0

67 136.1

66 135.0

65 136.2

64 + 50 140.4

R

(4)

$+ \frac{8.0}{30}$

$- \frac{1.5}{33}$

$+ \frac{7.5}{30} + \frac{5.0}{28} + \frac{1.3}{25} + \frac{0.8}{19} - \frac{0.4}{12} \frac{0}{6}$

$- \frac{0.2}{2} + \frac{0.2}{4} - \frac{0.1}{10} - \frac{0.8}{15} + \frac{0.2}{15} + \frac{1.6}{26}$

$+ \frac{5.0}{28} + \frac{3.1}{27} - \frac{0.7}{22} \frac{0}{20}$

$- \frac{0.1}{16} - \frac{0.4}{13} + \frac{0.2}{7}$

$+ \frac{0.2}{2} \frac{0}{5} - \frac{0.7}{8} - \frac{1.5}{12} - \frac{4.0}{33}$

$+ \frac{3.1}{33}$

$+ \frac{2.8}{30} - \frac{0.2}{26} + \frac{0.3}{22} + \frac{0.12}{19} + \frac{0.6}{13} + \frac{0.2}{6}$

$- \frac{0.3}{2} - \frac{1.4}{6} - \frac{2.5}{11} - \frac{4.4}{33}$

$+ \frac{2.8}{33} + \frac{2.3}{26} + \frac{2.6}{19} + \frac{1.8}{7} + \frac{0.3}{3}$

$- \frac{0.4}{4} - \frac{1.2}{10} - \frac{2.0}{26} - \frac{3.8}{33}$

$+ \frac{3.0}{33} + \frac{2.4}{25} + \frac{2.9}{21} + \frac{2.6}{17} + \frac{1.5}{13} + \frac{0.7}{6}$

$- \frac{1.0}{10} - \frac{3.0}{33}$

$+ \frac{1.8}{33}$

$+ \frac{6.3}{14}$

$+ \frac{0.2}{33}$

$+ \frac{0.1}{33} + \frac{1.3}{24} + \frac{1.7}{11}$

$- \frac{0.1}{4} + \frac{0.1}{21} + \frac{1.0}{29-33}$

$- \frac{2.9}{33} - \frac{1.9}{19} - \frac{1.1}{15} - \frac{0.2}{4}$

$- \frac{0.1}{3} - \frac{1.4}{9} - \frac{1.6}{30} - \frac{1.2}{33}$

$+ \frac{1.5}{33}$

$+ \frac{1.4}{13} + \frac{1.6}{18} - \frac{0.2}{25} - \frac{0.3}{33}$

$- \frac{2.0}{33} - \frac{1.3}{23}$

$+ \frac{1.1}{33}$

$- \frac{0.6}{33}$

$+ \frac{0.5}{18}$

$+ \frac{0.8}{33}$

$+ \frac{0.4}{33}$

$\frac{0}{33}$

$+ \frac{0.2}{45} - \frac{0.1}{33} \frac{0}{14}$

$+ \frac{0.1}{26} - \frac{0.5}{33}$

5-18-23

Sibley Memorial.

Elev.

82

~~128.4~~ 134.5

81

~~127.2~~ 135.3

80

134.1.

79

132.8.

78

132.3.

77

131.4.

76

128.9.

+36

126.5.

+35

- 18" Cor. Culv. under R.R. Good Cond. abt 78' Lg.

+18

119.0.

75

119.7.

74

125.9.

73+30³
72+99.17=1

128.2.

(Elevation.)

72+50

129.0.

$$- \frac{+8.4}{33} \quad - \frac{0.5}{21} \quad - \frac{0.1}{7} \quad \frac{0.0}{6} \quad - \frac{1.1}{16} \quad - \frac{1.8}{24} \quad - \frac{1.1}{26} \quad - \frac{2.7}{33}$$

$$\frac{+5.7}{33} \quad \frac{+6.4}{21} \quad \frac{+0.4}{16} \quad \frac{0.0}{15} \quad \frac{+0.1}{5} \quad - \frac{0.3}{8} \quad - \frac{1.4}{17} \quad - \frac{0.7}{18} \quad - \frac{2.0}{33}$$

$$\frac{+6.2}{33-32} \quad \frac{+0.6}{25} \quad \frac{0.0}{16} \quad \frac{+0.3}{10} \quad - \frac{0.2}{4} \quad \frac{+0.1}{8} \quad - \frac{0.8}{14} \quad - \frac{1.2}{17} \quad - \frac{0.7}{20} \quad \frac{+0.9}{22}$$

$$\frac{+2.6}{33-30} \quad \frac{+1.2}{24} \quad \frac{+0.9}{26} \quad \frac{+0.2}{19} \quad \frac{+0.5}{13} \quad \frac{0.0}{7} \quad - \frac{0.2}{12} \quad - \frac{4.2}{18} \quad - \frac{5.5}{33} \quad - \frac{0.2}{33}$$

$$\frac{+0.7}{33} \quad - \frac{0.4}{30} \quad \frac{+0.1}{21} \quad \frac{+0.4}{16} \quad \frac{+0.6}{12} \quad - \frac{0.7}{11} \quad - \frac{2.4}{17} \quad - \frac{4.1}{33}$$

$$\frac{-3.9}{33} \quad \frac{-3.6}{24} \quad \frac{-0.9}{19} \quad \frac{-0.1}{14} \quad - \frac{0.6}{10} \quad - \frac{2.4}{17} \quad - \frac{4.5}{33}$$

$$\frac{-4.2}{33} \quad \frac{-4.4}{27} \quad \frac{+0.2}{18} \quad \frac{+0.1}{15} \quad - \frac{12.5}{30} \quad - \frac{12.5}{33}$$

$$\frac{-2.4}{33} \quad \frac{-2.2}{24} \quad \frac{+6.5}{23} \quad \frac{+0.4}{13} \quad \frac{-2.6}{6} \quad \frac{+0.5}{2} \quad \frac{0.0}{17} \quad - \frac{9.8}{33}$$

- 5.2 below & @ +36

$$\frac{+4.9}{33} \quad \frac{+5.0}{26} \quad \frac{+6.3}{24} \quad \frac{+6.3}{13} \quad \frac{+0.5}{3} \quad \frac{+7.7}{15} \quad \frac{+7.7}{20} \quad - \frac{3.0}{33}$$

$$\frac{+4.9}{33} \quad \frac{+5.0}{16} \quad \frac{+4.9}{11} \quad \frac{+0.3}{2} \quad - \frac{1.3}{11} \quad - \frac{1.9}{14} \quad - \frac{3.6}{33}$$

$$\frac{+5.5}{33} \quad \frac{+5.0}{31} \quad - \frac{0.2}{26} \quad - \frac{0.4}{23} \quad \frac{+0.3}{20} \quad \frac{0.0}{15} \quad \frac{+6.5}{8} \quad - \frac{1.2}{6} \quad - \frac{2.0}{9} \quad - \frac{3.1}{15} \quad - \frac{4.8}{26} \quad - \frac{5.0}{33}$$

+4.0
30-33

$$\frac{+5.0}{28} \quad \frac{+1.5}{22} \quad \frac{+1.1}{21} \quad \frac{+0.2}{17} \quad \frac{+0.2}{13} \quad - \frac{0.4}{11} \quad \frac{+0.2}{4} \quad - \frac{0.4}{2} \quad - \frac{0.7}{4} \quad - \frac{1.3}{11} \quad - \frac{1.0}{13} \quad - \frac{3.1}{21} \quad - \frac{4.5}{33}$$

$$\frac{+9.0}{33} \quad \frac{+5.0}{30} \quad \frac{+1.0}{25} \quad \frac{+0.8}{20} \quad - \frac{0.5}{10} \quad - \frac{0.4}{3} \quad - \frac{0.6}{13} \quad - \frac{1.5}{17} \quad - \frac{0.9}{20} \quad - \frac{4.5}{26} \quad - \frac{2.9}{33}$$

5-18-23

Sibley Memorial

Elev

Grade
Elev

100	143.9	146.0	
99	145.5	146.6	
98	146.2	147.2	
97	148.1	147.2	
96	147.9	146.8	
+50	148.1	146.45	
95	146.5	146.0	
94	144.4	144.7	
93	142.5	143.2	
92	140.7	141.7	
91	139.9	140.4	
+70	Road Left		
90	139.4	139.7	
89	138.8	139.2	
88	138.2	138.7	
+50	138.4	138.5	
		138.3	
87	138.4	Drive	R & L
		138.05	
+50	138.1	Drive	Right
86	137.5	137.9	
+50	129.2	137.3	137.75
85	129.3	137.4	137.6
+22	End Gravel Pit		
84	129.5	137.6	137.3
+50	Begin Gravel Pit		
83	129.0	137.1	

L

R

②

$$\begin{array}{r}
 +0.4 \quad \rightarrow \quad +2.0 \quad -0.2 \quad 0.0 \quad -0.2 \quad +0.4 \\
 33 \quad 23 \quad 23 \quad 18 \quad 14 \quad 5 \\
 +0.7 \quad -0.5 \quad -1.2 \quad 0.0 \quad +0.1 \quad +0.2 \\
 30 \quad 25 \quad 17 \quad 14 \quad 10 \quad 5 \\
 +1.6 \quad +1.7 \quad +0.6 \quad -0.3 \quad -0.8 \quad -0.2 \\
 33 \quad 30 \quad 29 \quad 26 \quad 15 \quad 10 \\
 +2.9 \quad +3.2 \quad +1.8 \quad -0.3 \quad -0.9 \quad -0.3 \\
 33 \quad 28 \quad 27 \quad 23 \quad 14 \quad 8 \\
 +1.0 \quad +1.1 \quad +1.3 \quad -0.8 \quad -0.4 \\
 33 \quad 29 \quad 26 \quad 19 \quad 10 \\
 +0.5 \quad +1.4 \quad +0.3 \quad +0.2 \\
 33 \quad 22 \quad 20 \quad 10 \\
 +0.3 \quad -0.3 \quad +0.1 \quad -0.5 \quad -0.4 \\
 33 \quad 24 \quad 20 \quad 15 \quad 4 \\
 -2.2 \quad -1.1 \quad -1.9 \quad -1.0 \quad -0.2 \quad -0.5 \\
 33 \quad 21 \quad 19 \quad 18 \quad 12 \quad 8 \\
 -2.0 \quad -1.1 \quad -1.4 \quad -1.0 \quad -0.3 \quad -0.4 \\
 33 \quad 21 \quad 19 \quad 17 \quad 13 \quad 8 \\
 +0.9 \quad +0.6 \quad -0.1 \quad +0.2 \\
 33 \quad 21 \quad 17 \quad 14 \\
 +0.6 \\
 34 \\
 +5.0 \quad +2.0 \quad +0.9 \\
 136 \quad 100 \quad 50
 \end{array}$$

$$\begin{array}{r}
 +0.5 \quad -0.1 \quad +1.2 \quad +1.4 \quad +1.2 \\
 3 \quad 8 \quad 12 \quad 21 \quad 33 \\
 -0.3 \quad +0.1 \quad -0.6 \quad +0.1 \quad +0.5 \\
 4 \quad 6 \quad 11 \quad 14 \quad 33 \\
 -0.6 \quad -0.4 \quad -1.3 \quad -1.4 \\
 12 \quad 16 \quad 33 \quad 50 \\
 -0.5 \quad +0.3 \quad +0.9 \quad 0.0 \\
 18 \quad 22 \quad 27 \quad 33 \\
 -0.9 \quad -1.8 \quad -1.8 \quad +3.5 \\
 18 \quad 21 \quad 24 \quad 31-33 \\
 -1.8 \quad -2.6 \quad -2.2 \quad +4.1 \\
 18 \quad 21 \quad 24 \quad 31-33 \\
 -0.4 \quad -2.0 \quad -2.0 \quad +4.6 \\
 17 \quad 22 \quad 25 \quad 33 \\
 -0.5 \quad -1.8 \quad +3.9 \quad +4.5 \\
 14 \quad 19 \quad 28 \quad 34 \\
 -0.7 \quad -1.5 \quad -1.6 \quad +1.8 \quad +2.3 \\
 15 \quad 17 \quad 20 \quad 24 \quad 33 \\
 -0.3 \quad -3.4 \quad -5.0 \\
 17 \quad 22 \quad 33 \\
 -0.9 \quad -5.3 \quad -7.0 \\
 19 \quad 26 \quad 33
 \end{array}$$

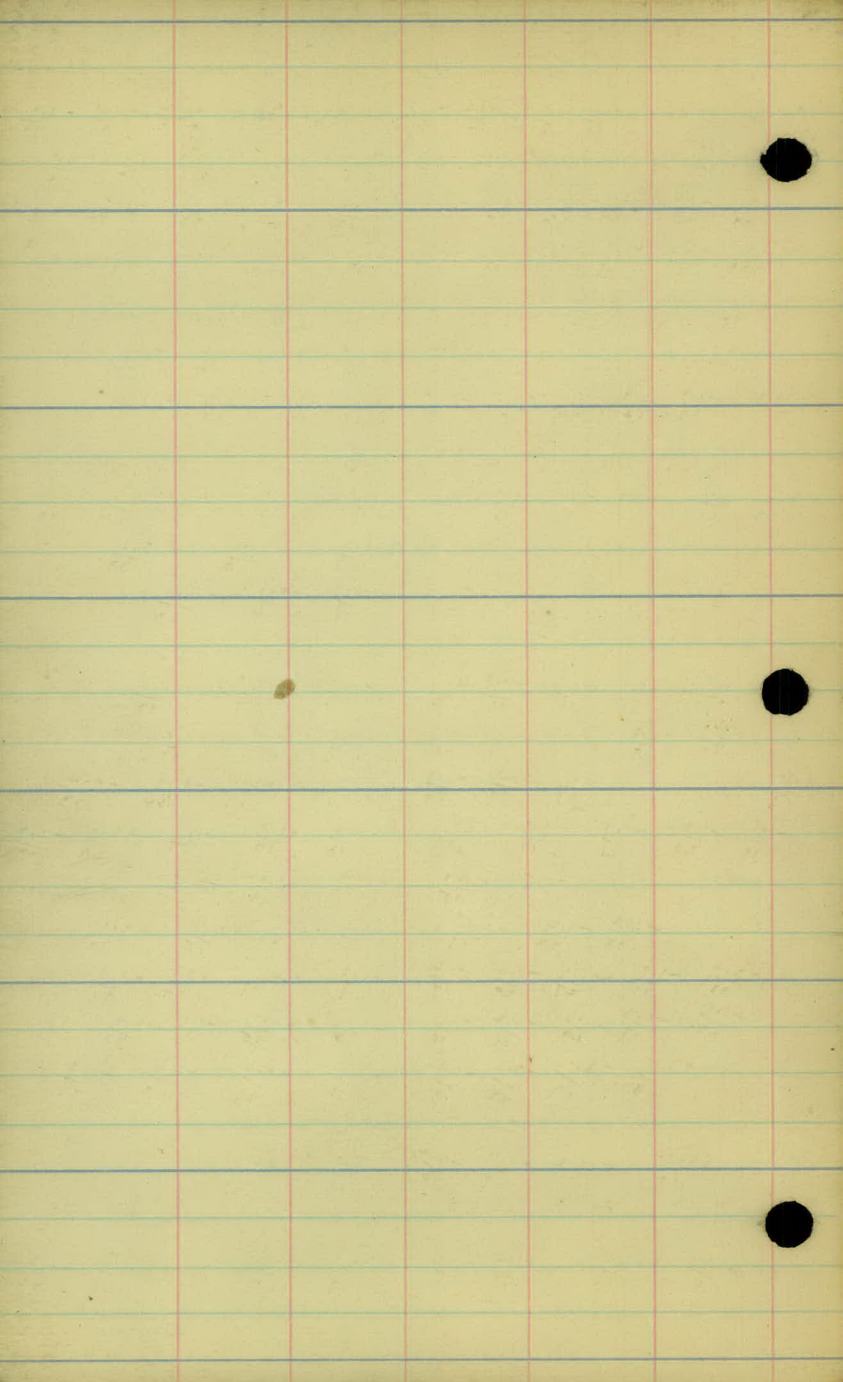
$$\begin{array}{r}
 -5.5 \quad -5.3 \quad +0.4 \quad +0.9 \quad +0.1 \\
 33 \quad 29 \quad 18 \quad 11 \quad 6 \\
 -6.3 \quad -6.3 \quad -1.4 \quad -1.0 \quad -0.3 \\
 33 \quad 27 \quad 19 \quad 14 \quad 11 \\
 -3.5 \quad -3.2 \quad -0.3 \\
 33 \quad 19 \quad 14 \\
 -0.8 \quad -1.3 \quad -1.7 \quad -0.3 \quad 0.0 \\
 33 \quad 23 \quad 21 \quad 17 \quad 10 \\
 -0.5 \quad +0.3 \\
 33 \quad 15 \\
 -2.2 \quad -1.2 \quad +0.6 \\
 33 \quad 22 \quad 17 \\
 -2.0 \quad -1.9 \quad -1.0 \quad -0.6 \quad +0.2 \\
 33 \quad 31 \quad 27 \quad 20 \quad 14 \\
 +1.0 \quad +0.2 \quad -0.6 \quad +0.2 \quad +0.1 \\
 33 \quad 27 \quad 24 \quad 21 \quad 10 \\
 +3.5 \quad +3.2 \quad -0.6 \quad -0.1 \\
 33 \quad 27 \quad 22 \quad 13
 \end{array}$$

$$\begin{array}{r}
 -0.4 \quad -5.6 \quad -5.6 \\
 16 \quad 24 \quad 33 \\
 -0.7 \quad -4.9 \quad -4.5 \\
 16 \quad 21 \quad 33 \\
 -0.4 \quad -2.1 \quad -0.4 \quad -0.4 \\
 16 \quad 19 \quad 30 \quad 33 \\
 -0.6 \quad -1.0 \quad +1.1 \quad +2.0 \quad +2.2 \\
 13 \quad 18 \quad 22 \quad 24 \quad 33 \\
 -0.4 \quad -1.0 \quad +2.5 \\
 13 \quad 19 \quad 33 \\
 -0.4 \quad -1.0 \quad +2.7 \quad +2.1 \\
 10 \quad 18 \quad 25 \quad 33 \\
 -0.7 \quad -0.9 \quad -5.1 \quad -3.6 \\
 9 \quad 17 \quad 24 \quad 33 \\
 -0.1 \quad +0.1 \quad -1.1 \quad -2.7 \\
 4 \quad 15 \quad 19 \quad 33 \\
 -0.7 \quad -0.6 \quad +0.6 \quad +1.7 \\
 10 \quad 21 \quad 23 \quad 33
 \end{array}$$

$$\begin{array}{r}
 +10.5 \quad +10.3 \quad +0.1 \quad +0.2 \\
 40 \quad 33-32 \quad 19 \quad 10 \\
 +15.1 \quad +12.7 \quad +10.0 \quad -0.2 \\
 40 \quad 33 \quad 26 \quad 12
 \end{array}$$

$$\begin{array}{r}
 -0.3 \quad -4.6 \quad -4.6 \\
 18 \quad 33 \quad 33 \\
 +0.1 \quad -0.6 \quad +0.3 \quad +2.7 \quad +1.3 \\
 7 \quad 22 \quad 24 \quad 27 \quad 33
 \end{array}$$

Gravel
7 ft



①

SIBLEY MEMORIAL HWY.

Alignment.

Sta. 42+74 - 98+43 65

Sheets 1 - 4

G. Perfler Inst.

D. Webber Hd. Chain

J. Mahoney Rr. "

M. Galvin Rodman.

5-15-23

Sibley Memorial

Change of Alignment.

Sta.	Point	Left	Right	Calc Bearing	Mag.
62+00	P.O.T.				

 $S 72^{\circ} 50' W$ $S 63^{\circ} 10' W$

51+32.4 P.T.

51 $8^{\circ} 35'$ 50 $8^{\circ} 15'$ 49 $7^{\circ} 15'$ 48 $6^{\circ} 15'$

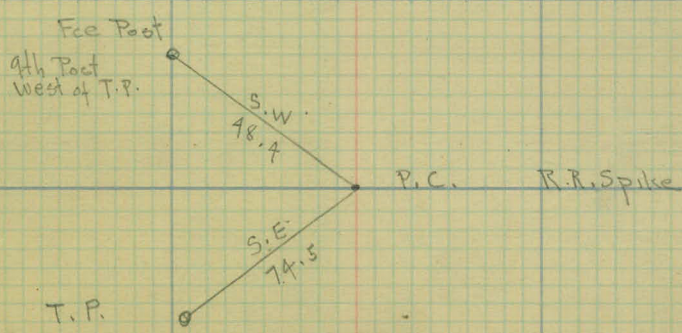
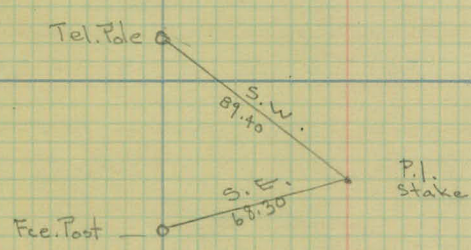
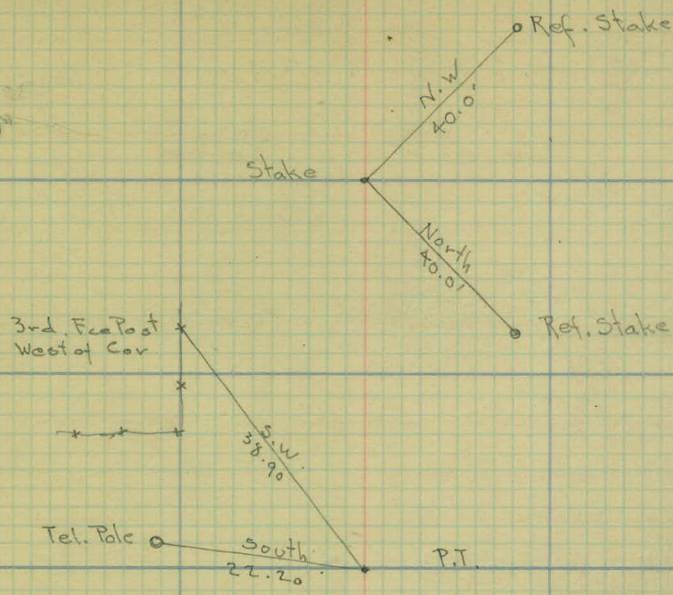
47+06.4 P.I.

47 $5^{\circ} 15'$ 46 $4^{\circ} 15'$ 45 $3^{\circ} 15'$ 44 $2^{\circ} 15'$ 43 $1^{\circ} 15'$ 42+74 P.C. $0^{\circ} 15'$ $\Delta 17^{\circ} 10'$ $C 2^{\circ} 0'$

S.T. 432.41 ✓

L.C. 858.33 ✓

 $S 90^{\circ} 00' W$ $S 74^{\circ} 30' W$



Sibley Memorial

Station Point Left Right Calc. Mag. Bearing
 376°-17W 566°-15W

88+42.21 P.T.

88	14°-41'	
+50	12°-33'	Δ 29°-22'
87	10°-03'	C 10°-00'

86+99.35 P.I.

S.T. 150.31 ✓
 L.C. 293.67 ✓

+50	7°-33'
86	5°-03'
85+49.04 P.C.	2°-33'

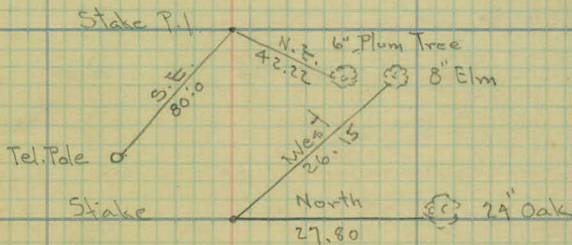
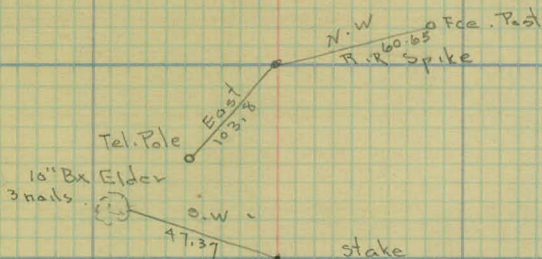
346°-55W 337°-0W

73+30.3 P.T. Orig. Sta.
 72+99.17 P.T. New Align. } Equation

+50	12°-57'	Δ 25°-55'
72+14.54 P.I.		D 15°-00'
		S.T. 88.14 ✓
		L.C. 172.77 ✓

72	9°-16'
+50	5°-31'
71+26.4 P.C.	1°-46'

372°-50W



5-18-23

Sibley Memorial

Sta. Point Left Right Bearing.
Calc. Mag.

N 82°-15' W ✓

98 + 43 65 ✓ P.T.

98

10°-44'

+ 50

9°-39'

97

8°-24'

+ 50

7°-09'

96

5°-54'

Δ 21°-28'

96 + 31 65 P.I.

C 5°-00'

+ 50

4°-39'

S.T. 217.28 ✓

95

3°-24'

L.C. 429.33 ✓

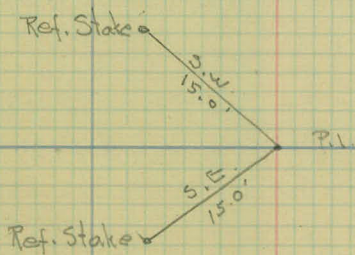
+ 50 ✓

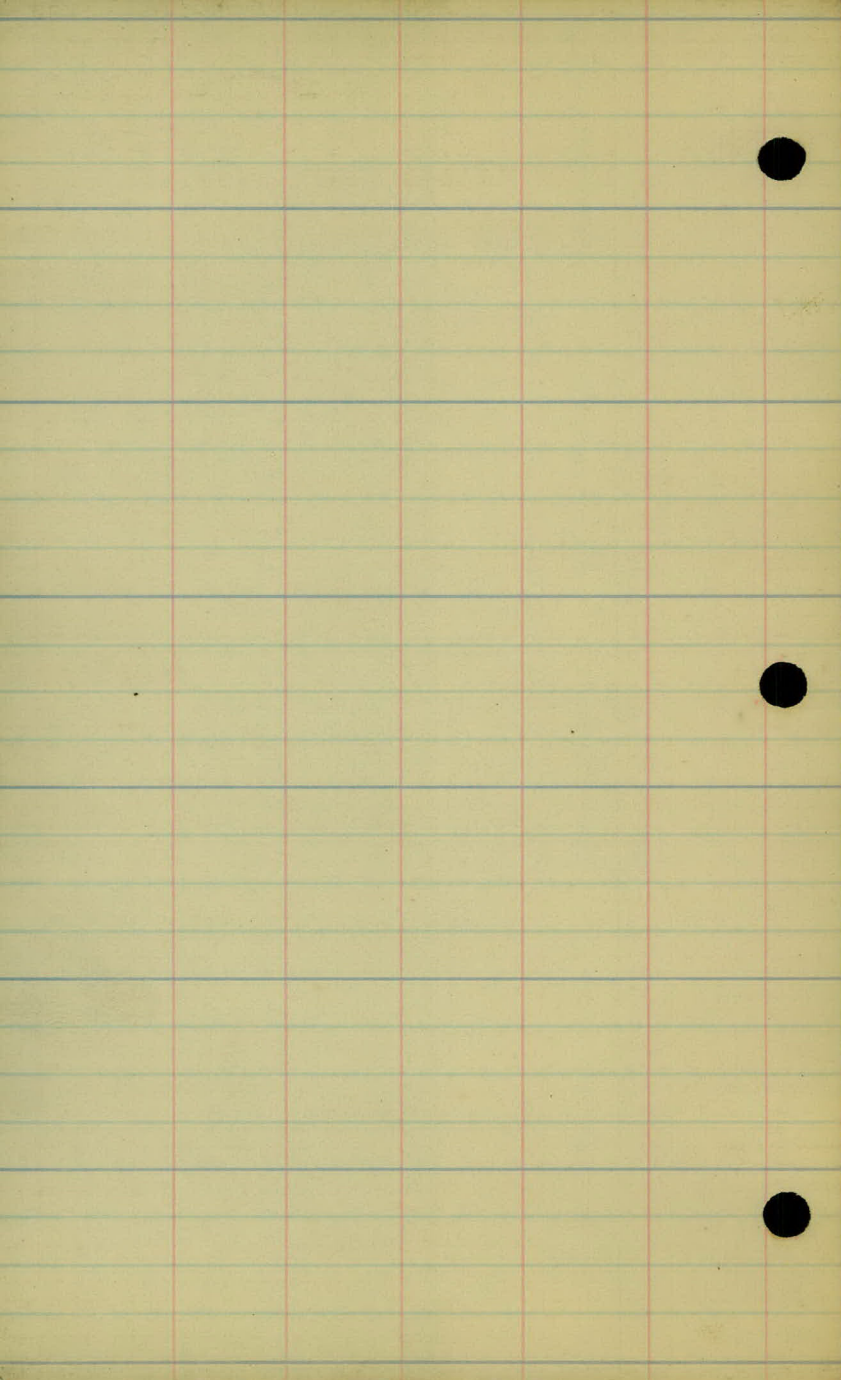
2°-09'

94 + 14 32 P.C.

0°-54'

S 76°-17' W





E

Elevations

Sta. 10100 - 101100

sheets 1-5

Sibley Memorial

G. Rottler Inst

Ben Webber Hd. Chain

J. Mahoney Br. "

W. McManus "

Sta.	B.S.	H.I.	F.S.	Red	Elev
4A+35 B.M.	2.28	214.91			212.63
40				1.7	213.2
41				1.8	213.1
42				2.5	212.4
+ 76	P.C.			3.2	211.7
43				3.6	211.3
44				6.1	209.8
45				8.4	206.5
46				11.3	203.6
T.P.	0.11	203.43	11.59		203.32
47				2.6	200.8
48				6.6	196.8
49				9.7	193.7
50				12.1	191.3
T.P.	0.23	191.64	12.02		191.41
51				4.2	187.4
+ 324	P.T.			5.7	185.9
52				9.7	181.9
T.P.	0.66	180.67	11.63		180.01
53.				3.3	177.4
54				5.2	175.5
55				8.9	171.8
+ 47				10.8	169.9
+ 75				14.2	166.5
56				14.3	166.4

3.28

212.63

180.67

31.96

35.44

3.28

31.96

N.E. Cor. Top Conc. Porch

Sta.	B.S.	H.I.	F.S.	Red.	Elev.
		180.67			
57				8.6	172.1
56+80 B.M.			9.08		171.59 ✓
58				7.9	172.8 ✓
T.P.	8.20	181.34 ✓	7.53		173.14
59				3.1	178.2 ✓
+08				1.9	179.4 ✓
60				4.6	176.7 ✓
61				2.9	178.4 ✓
62				6.5	174.8 ✓
T.P.	0.15	170.57 ✓	10.92		170.42 ✓
63				4.8	165.8 ✓
T.P.	0.26	159.33 ✓	11.50		159.07 ✓
64				10.8	148.5 ✓
T.P.	2.24	151.26 ✓	10.31		149.02 ✓
+50				10.9	140.4 ✓
65				15.1	136.2 ✓
66				16.3	135.0 ✓
67				15.2	136.1 ✓
68				13.1	138.2 ✓
T.P.	Minus Rod -1.86	140.20 ✓	9.20		142.06 ✓
+05				3.8	136.4 ✓
69				6.9	133.3 ✓
70				8.8	131.4 ✓
	10.85	150.67 140.20 40.47	51.32 10.85 40.47		

Nail in 6" Bx Elder on Left @ Ice Cor.

Sta.	B.S.	H.I.	F.S.	Red	Elev
		140.20			
70+61				10.6	129.6 ✓
71				9.4	130.8 ✓
B.M. 71+20			11.41		128.79 ✓
+50				11.1	129.1 ✓
72				10.8	129.4 ✓
+50				11.2	129.0 ✓
T.P.	5.07	134.48 ✓	10.79		129.41 ✓
73 +30.3	P.T.	<u>equation in chain.</u>		6.3	128.2 ✓
74				8.6	125.9 ✓
75				14.8	119.7 ✓
+18				13.5	119.0 ✓
+36				8.0	126.5 ✓
76				5.6	128.9 ✓
77				3.1	131.4 ✓
78				2.2	132.3 ✓
79				1.7	132.8 ✓
80				0.4	134.1 ✓
T.P.	9.47	142.64 ✓	1.31		133.17 ✓
81				7.3	127.2 135.
82				6.1	128.4 136.
83				5.5	129.0 137.
84				5.0	129.5 137.
85				5.2	129.3 137.
+50				5.3	129.2 137.
	14.54	142.64	12.10		
	12.10	140.20			
	<u>2.44</u>	<u>2.44</u>			

Nail in 18" oak to Right

on stake @ 72+50.

Sta.	B.S.	H.I.	F.S.	Rod	Elev
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142.64

86				5.1	137.5
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+50				4.5	138.1
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87				4.2	138.4
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87+00 B.M.	7.32	143.91	6.05		136.59
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+50				5.5	138.4
-----	--	--	--	-----	-------

88				5.7	138.2
----	--	--	--	-----	-------

89				5.1	138.8
----	--	--	--	-----	-------

90				4.5	139.4
----	--	--	--	-----	-------

91				4.0	139.9
----	--	--	--	-----	-------

92				3.2	140.7
----	--	--	--	-----	-------

T.P.	11.99	152.78	3.12		140.79
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93				10.3	142.5
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94				8.40	144.4
----	--	--	--	------	-------

95				6.3	146.5
----	--	--	--	-----	-------

+50				4.7	148.1
-----	--	--	--	-----	-------

96				4.9	147.9
----	--	--	--	-----	-------

+50				4.5	148.3
-----	--	--	--	-----	-------

97				4.7	148.1
----	--	--	--	-----	-------

98				6.6	146.2
----	--	--	--	-----	-------

T.P.	2.64	148.69	6.70		146.08
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99				3.2	145.5
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100				4.8	143.9
-----	--	--	--	-----	-------

B.M. 100+10			3.73		144.96
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101				4.80	143.9
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(Old B.M. (1919 notes) used in levels & used. 101 to 120 + 58.
(Orig. Elev. in 1919 field notes 136.36

Nail in T. Pole to Left. Orig. Elev. 1919 field notes 144.77

102-645

622

1034067

94757

11034

357

1146

560

1200

136

115

6851

115

1186

2135

1044