

Book # 89-D-8

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

DRAINAGE Survey

BLIND PEOPLE'S HOME

From COMO AVE. To N. ON EUSTIS

Road Acc't. No.

Date Filed 1935

File 8



Topography
Eustis + Como
Drainage

Plan complete
July 30, 35

$$\begin{array}{r} +80 \text{ PP} \\ \hline 23 \end{array}$$

4

$$\begin{array}{r} +89 \text{ PP} \\ \hline 27 \end{array} \quad \begin{array}{r} +67 \text{ PP} \\ \hline 27 \end{array}$$

$$\begin{array}{r} +63 \text{ Hyd} \\ \hline 237 \end{array}$$

3

$$\begin{array}{r} \text{Fee} \\ \hline 70 \end{array}$$

$$\begin{array}{r} \text{Trk} \\ \hline 95 \end{array}$$

$$\begin{array}{r} +15 \text{ Tr} \\ \hline 52 \end{array}$$

$$\begin{array}{r} +45 \text{ PP} \\ \hline 22 \end{array}$$

$$\begin{array}{r} +68 \text{ H.B.} \\ \hline 55 \end{array}$$

$$\begin{array}{r} +64 \text{ PP} \\ \hline 27 \end{array}$$

$$+3713 \times 52$$

2

$$\begin{array}{r} \text{Fee} \\ \hline 21 \end{array} \quad \begin{array}{r} +34 \text{ Curb} \\ \hline 29 \end{array}$$

$$\begin{array}{r} +44 \text{ PP} \\ \hline 23 \end{array}$$

$$\begin{array}{r} +53 \text{ W.C. } 4 \times 5' \\ \hline 29 \end{array}$$

$$\begin{array}{r} +21 \text{ Gou R.} \\ \hline 27 \end{array} \quad \begin{array}{r} +45 \text{ PP} \\ \hline 27 \end{array}$$

$$\begin{array}{r} \text{No. Curb Line} \\ \hline 210 \end{array}$$

$$\begin{array}{r} \text{Fee } 5' \text{ Cinder Path} \\ \hline 23 \end{array} \quad \begin{array}{r} \hline 14 \end{array}$$

$$\begin{array}{r} +19 \text{ PP} \\ \hline 23 \end{array}$$

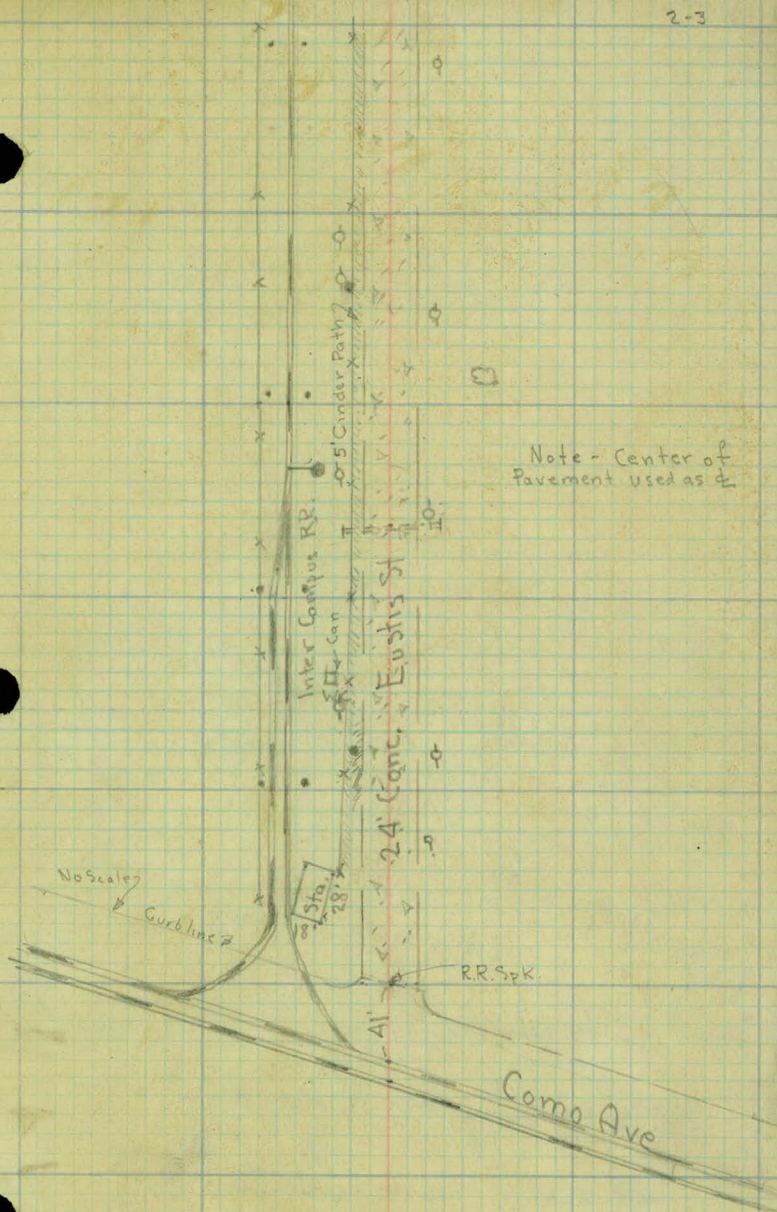
$$\begin{array}{r} +51 \text{ Fee Cor} \\ \hline 28 \end{array}$$

$$\begin{array}{r} +58 \text{ Cor Sta} \\ \hline 32 \end{array}$$

$$\begin{array}{r} +30 \text{ Cor Sta} \\ \hline 37 \end{array}$$

$$\begin{array}{r} +75 \text{ Rd Sm} \\ \hline 19 \end{array}$$

0



Note - Center of
Pavement used as ϕ

9

$$\begin{array}{r}
 +74 \text{ Trk} \\
 +62.5 \text{ Trk} \\
 +20 \text{ Trk} \\
 \hline
 48 \\
 +20 \text{ Guy Po} \\
 \hline
 21
 \end{array}
 \qquad
 \begin{array}{r}
 +50 \text{ End Gd RI} \\
 \hline
 19 \\
 +35 \text{ Gd RI} +88 \text{ End Culv} \\
 \hline
 17 \\
 +18 \text{ PP} \\
 \hline
 18
 \end{array}$$

8

$$\begin{array}{r}
 +95 \text{ Trk} \\
 +45 \text{ Guy Pole} \\
 \hline
 30 \\
 +81 \text{ PP} \\
 \hline
 24
 \end{array}
 \qquad
 \begin{array}{r}
 +70 \text{ Trk} \\
 \hline
 53 \\
 +23 \text{ Bed Trees} \\
 \hline
 36 \\
 +24 \text{ PP} \\
 \hline
 18 \\
 \text{Gd RI} \\
 \hline
 17
 \end{array}$$

7

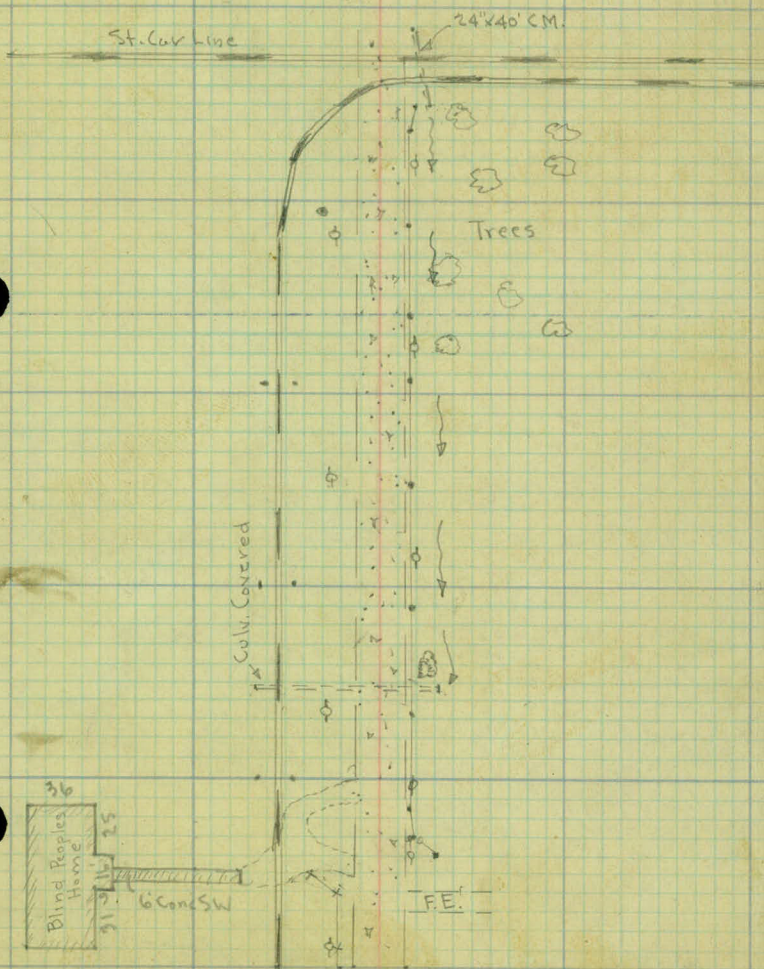
$$\begin{array}{r}
 +56 \text{ PP} \\
 \hline
 24
 \end{array}
 \qquad
 \begin{array}{r}
 +16 \text{ PP} \\
 \hline
 18
 \end{array}$$

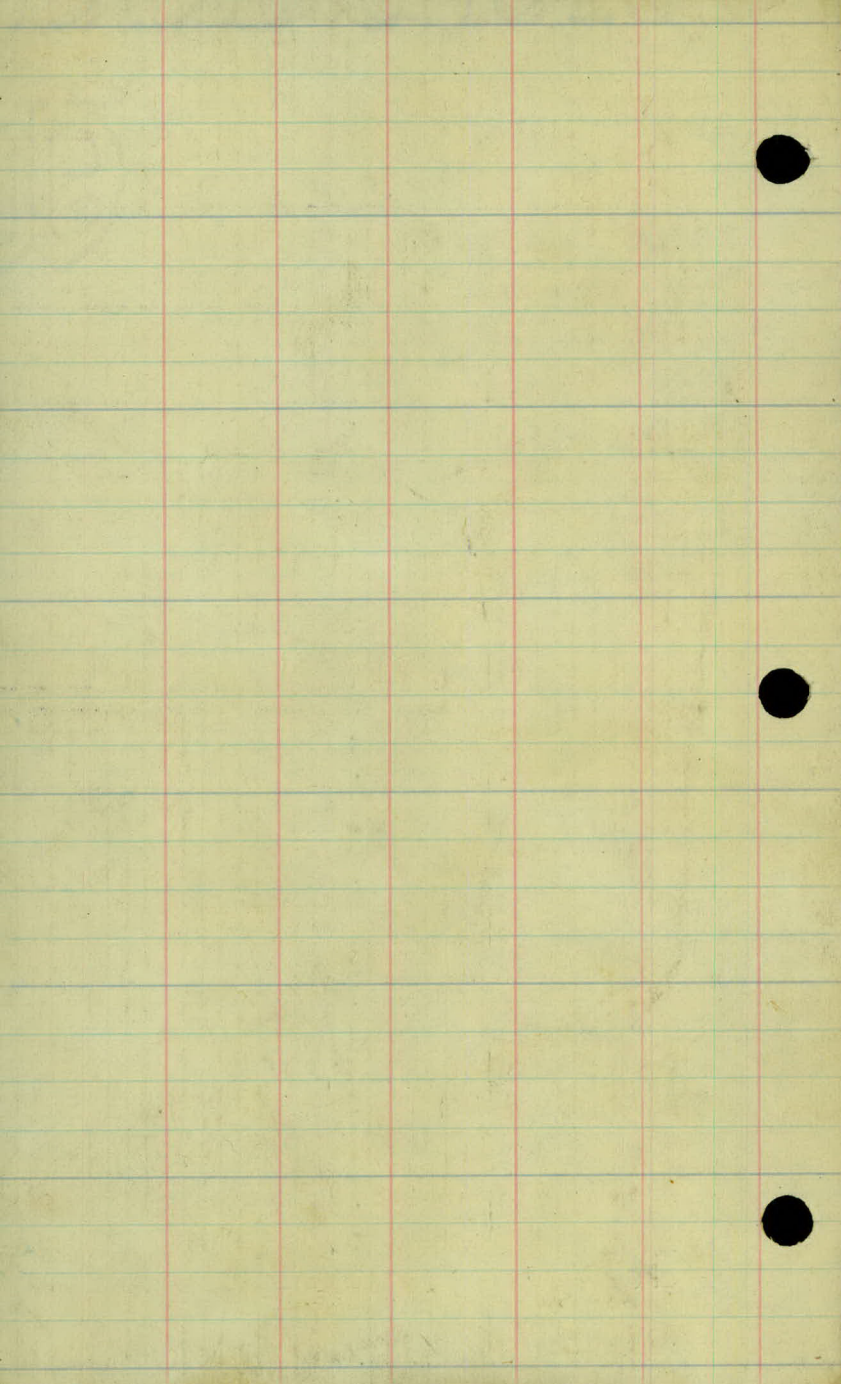
6

$$\begin{array}{r}
 +36 \text{ PP} \\
 \hline
 25
 \end{array}
 \qquad
 \begin{array}{r}
 +48-24" \text{ C.M.} \\
 \hline
 68-33 \\
 \uparrow \\
 \text{Assumed}
 \end{array}
 \qquad
 \begin{array}{r}
 +57-4 \text{ Trs} \\
 \hline
 26
 \end{array}$$

5

$$\begin{array}{r}
 +93 \text{ Ent} \\
 +56 \text{ Ent} \\
 +10 \text{ Cor Bldg} \\
 \hline
 154
 \end{array}
 \qquad
 \begin{array}{r}
 +50 \text{ F Cor} \\
 \hline
 34 \\
 +41 \text{ F Cor} \\
 \hline
 22 \\
 +13 \text{ PP} \\
 \hline
 26
 \end{array}
 \qquad
 \begin{array}{r}
 +85 \text{ Gd RI} \\
 \hline
 16 \\
 +62 \text{ RR Sm} \\
 \hline
 17 \\
 +36 \text{ Ent}
 \end{array}
 \qquad
 \begin{array}{r}
 +99 \text{ PP} \\
 \hline
 17 \\
 +69 \text{ MB} \\
 \hline
 16 \\
 +69 \text{ Gd RI} \\
 \hline
 18 \\
 +58 \text{ Gd RI} \\
 \hline
 30
 \end{array}$$





1-4

X Sections
for
Drainage
Blind Peoples' Home

Sta + π - Elev

B.M. 0.40 200.40

200.00
Assumed

0-52 Int Como + Eustis 87.15

0+00 87.34

1 89.96

2 92.28

3 94.71

4 (Prop Gully?) 97.16

Top Hyd Lt Sta

13.25

1306

97.7 98.7
TR 88.9
12.7 11.74 11.5 11.4 10.8 10.2 10.55 89.9 89.9 90.1 90.7 91.3 92.9
72.86 62.5 50 24 22 16 12 10.44 10.52 10.3 9.7 9.1 7.5
13.8 14.8
94 150

90.9 91.1 91.9 92.4 92.1 92.28 92.1 92.3 90.6 90.9 92.6 93.0 95.1
TR 9.5 9.3 8.5 8.0 8.26 8.12 8.28 8.1 9.8 9.5 7.8 7.4 5.3
TR 52 41 30 21 16 12 16 26 52 88 100 150
9.6 90.9 90.4 90.4 87.4 87.3 86.9 8.12 12 16 26 52 88 100 150
59 66 76 100 150

W End FL 13.05 Hwy Cnty
E End RR Cnty 12.98
W End " " 14.15

E End FL 11.85 Hwy Cnty

24X CM (?)

92.5
TR 92.0 91.2 94.5 93.6 94.8 94.9 94.7 94.7 94.4 94.3 91.3 91.2 91.8 94.0
7.9 8.4 9.2 5.9 6.8 5.6 5.5 5.66 5.69 5.99 6.1 9.1 9.2 8.6 6.4
55 49 44 38 31 21 15 12 12 19 29 64 100 175
8.5 91.9 91.0 92.4 8.0 8.6 91.8 90.3 87.8 2.1 25.3
61 64 66 69 79 100 175

93.2 96.0 96.2 97.3 97.1 97.2 96.9 96.8 93.0 91.9 93.1 95.3
7.3 4.4 4.2 3.1 3.29 3.24 3.45 3.6 7.4 8.5 7.3 5.1
4.46 38 44.7 21 15 12 12 33 62 100 200
6.4 5.7 6.5 7.6 4.6 5.2 8.5 91.9 100 00 5.3
49 55 61 64 66 70 76 100 98.9 375 200
C.T.R. 84.4 16.0 133 11.5 100.4 95.1
300 200 150

+

A

-

Elev

200.46

①

4.57

204.57

0.40

200.00

4+75

99.01

5

99.63

6

201.99

B.M.

8.35

208.35

200.00

C/v 6A-3

24" CM.

7

04.37

8

06.73

This Section on Left only

99.0	99.0	99.2	97.4	97.8	95.7	94.4
5.56	5.62	5.4	7.2	9.8	8.9	8.2
96.8	90.8	94.0	20.5	91.1	91.6	95.5
178	138	106	9.1	6.9	10.0	9.1
230	160	100	86	70	64	61

96.1	97.0	97.4	99.3	99.6	99.6	99.6	99.6	99.4	99.3	95.5	95.2	95.7
8.5	7.6	7.2	5.3	5.0	5.03	4.94	5.04	5.2	5.3	9.1	9.4	8.9
96.9	96.6	97.6	97.5	97.5	12	12	12	18	34	75	100	300
18	8.0	7.0	7.3							101.1	91.5	98.0
66	91	100	150							3.5	7.1	6.6
97.6	98.5	TR	101.6	102.0	102.0	101.8	101.7	96.3	95.5	96.6	93.0	
7.0	6.1	5.1	3.0	2.61	2.58	2.83	2.9	8.3	9.1	8.0	7.6	
150	100	55	25	12	12	12	12	16	30	134	54	62
								102.4	5.5	7.0	6.6	
								2.2	300	200	100	

Top Hyd Lt Sta.

?

Unable to obtain Elev.

FL. Inl 15.85 = 192.50

Pipe Covered on Left

93.2	101.0	102.1	TR	102.3	104.3	104.3	104.4	104.2	104.1	98.1	98.8	98.2	101.4
15.2	7.4	6.32		6.1	4.1	4.06	3.98	4.22	4.3	10.3	11.6	10.2	7.0
73	60	55		43	18	12	12	12	16	30	80	100	150
11.1	12.0	16.4											
90-115	150	154											
97.3	96.4	92.0											
104.1	103.6	104.3											
43	4.8	4.1	1.7	1.75	106.7	106.6	106.7	106.5	106.3	99.8	98.6	100.8	104.4
104.7	105.1	31	26	19	12	162	186	2.1	8.6	9.8	7.8	4.0	
3.7	3.3	TR	104.4	99.2	99.3	99.8		16	31	37	63	100	
47	55		4.0	9.2	9.1	8.6							
			59	70	87	100							

Sta + x -

0 8.40 215.14 161 206.74

9 208.97

+625 ctr. St. Car Trk 10.1

+74 " " " " 10.41

10 11.19

Levels Lt. Sta 1200 (Extended to
No Ditch at
Campa Avenue

BM. 394 193.90 189.96

1

6.17

5.0

4.73

Inl Culv under RR.

FL. 7.11 = 08.03

Out 8.86 = 06.28

3.95

84.9
86.1

Top Pavc Sta 1+00

Ditch This Ditch Drains West along No Side Como Avenue

9.0 7.8
162 159 153

8.1 8.5
165 184

85.8 85.4

