

Dr. 12 A - BK. 17

X

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

P/17 Survey

RIPLEY AVE.

From East Ave To Furness

Road Acc't. No. —

Date Filed 1936

File B.17D.12A.

D. MARK
7/24/36

Plan Survey.

X- Sections + Tereg.

Ripley Ave.

STA	+	Δ	—	ELEV.	GRADE
B.M.	4.65	1027.55 ✓		1022.90	
T.P.			7.15	1020.40 ✓	
	11.30	1031.70 ✓			
T.P.			8.32	1023.38 ✓	
	5.87	1029.25 ✓			

0+00 23.3

+10 22.9

+50 24.0

1+00 25.2

+50 24.6

2+00 24.2

+50 23.9

3+00 22.2

+25 Fence corn. 33' out

+50 21.8

4+00 21.4

+50 21.2

EAST corn. of porch of grocery store on
corn. of LAEP. & EAST AVE.

IRON in S.W. corn. of EAST AVE.

£ of RIPLEY & EAST AVE.

$$\frac{5.4}{50}$$

6.0

$$\frac{6.7}{50}$$

$$\frac{6.0}{33}$$

$$\frac{6.2}{13}$$

6.4

$$\frac{6.4}{14}$$

$$\frac{6.5}{33}$$

$$\frac{5.8}{33}$$

$$\frac{5.5}{14}$$

$$\frac{6.0}{12}$$

5.3

$$\frac{5.8}{12}$$

$$\frac{5.3}{13}$$

$$\frac{4.9}{33}$$

$$\frac{5.3}{33}$$

$$\frac{4.4}{16}$$

$$\frac{4.7}{14}$$

4.1

$$\frac{4.2}{11}$$

$$\frac{3.7}{13}$$

$$\frac{3.7}{33}$$

$$\frac{5.3}{33}$$

$$\frac{4.8}{17}$$

$$\frac{5.1}{15}$$

4.7

$$\frac{5.1}{10}$$

$$\frac{4.7}{12}$$

$$\frac{4.8}{33}$$

$$\frac{5.1}{33}$$

$$\frac{4.9}{17}$$

$$\frac{5.3}{15}$$

5.1

$$\frac{5.9}{10}$$

$$\frac{5.6}{12}$$

$$\frac{6.0}{33}$$

$$\frac{5.3}{33}$$

$$\frac{5.3}{16}$$

$$\frac{5.8}{15}$$

5.4

$$\frac{6.7}{11}$$

$$\frac{6.3}{12}$$

$$\frac{6.9}{33}$$

$$\frac{6.3}{33}$$

$$\frac{6.6}{17}$$

$$\frac{6.9}{15}$$

7.1

$$\frac{7.6}{11}$$

$$\frac{7.4}{12}$$

$$\frac{8.2}{33}$$

$$\frac{6.7}{33}$$

$$\frac{7.2}{16}$$

$$\frac{7.7}{14}$$

7.5

$$\frac{8.6}{11}$$

$$\frac{8.0}{12}$$

$$\frac{9.0}{33}$$

$$\frac{7.1}{33}$$

$$\frac{8.0}{16}$$

$$\frac{8.4}{15}$$

7.9

$$\frac{9.1}{12}$$

$$\frac{8.7}{13}$$

$$\frac{9.5}{33}$$

$$\frac{7.6}{33}$$

$$\frac{8.3}{15}$$

$$\frac{8.7}{13}$$

8.1

$$\frac{9.2}{12}$$

$$\frac{8.9}{14}$$

$$\frac{9.6}{33}$$

+ π ✓ -
1029.25

5+00 20.5

+50 20.6

6+00 20.2

+13 Corner of fence

+38 20.4

+49 & HOWARD AVE. 20.7

6.92 1026.75 ✓ 9.42 1019.83

+60 20.5

7+00 20.5

+50 20.6

8+00 20.9

+50 21.3

9+00 22.5

+50 23.7

10+00 24.3

$$\frac{7.9}{33} \quad \frac{8.6}{15} \quad \frac{9.1}{13} \quad 8.8 \quad \frac{9.6}{12} \quad \frac{9.3}{14} \quad \frac{10.1}{33}$$

$$\frac{8.0}{33} \quad \frac{9.0}{15} \quad \frac{9.0}{14} \quad 8.7 \quad \frac{9.7}{12} \quad \frac{9.4}{14} \quad \frac{10.0}{33}$$

$$\frac{8.1}{33} \quad \frac{8.7}{14} \quad \frac{9.1}{12} \quad 9.1 \quad \frac{9.8}{12} \quad \frac{9.6}{14} \quad \frac{10.2}{33}$$

$$\frac{8.3}{33} \quad \frac{9.0}{13} \quad 8.9 \quad \frac{9.6}{12} \quad \frac{10.2}{33}$$

$$\frac{7.3}{50} \quad 8.6 \quad \frac{9.9}{50}$$

$$\frac{5.7}{33} \quad \frac{6.2}{12} \quad 6.3 \quad \frac{6.9}{12} \quad \frac{7.6}{33}$$

$$\frac{5.8}{33} \quad \frac{6.2}{16} \quad \frac{6.6}{15} \quad 6.3 \quad \frac{6.6}{10} \quad \frac{6.2}{12} \quad \frac{6.4}{33}$$

$$\frac{5.8}{33} \quad \frac{6.0}{18} \quad \frac{6.5}{17} \quad 6.2 \quad \frac{6.6}{9} \quad \frac{6.1}{11} \quad \frac{6.6}{33}$$

$$\frac{5.6}{33} \quad \frac{6.0}{19} \quad \frac{6.4}{18} \quad 5.9 \quad \frac{6.6}{8} \quad \frac{6.2}{10} \quad \frac{6.5}{33}$$

$$\frac{4.9}{33} \quad \frac{5.3}{19} \quad \frac{5.7}{18} \quad 5.5 \quad \frac{5.8}{7} \quad \frac{5.3}{9} \quad \frac{5.9}{33}$$

$$\frac{3.6}{33} \quad \frac{3.9}{19} \quad \frac{4.4}{18} \quad 4.3 \quad \frac{4.6}{6} \quad \frac{4.2}{8} \quad \frac{5.0}{33}$$

$$\frac{3.5}{50} \quad \frac{1.8}{33} \quad \frac{2.4}{20} \quad \frac{2.9}{18} \quad 3.1 \quad \frac{3.6}{6} \quad \frac{3.2}{7} \quad \frac{3.8}{33}$$

$$\frac{3.1}{33} \quad \frac{2.8}{20} \quad \frac{3.1}{19} \quad 2.5 \quad \frac{2.9}{6} \quad \frac{2.4}{8} \quad \frac{3.0}{33}$$

+ T -

✓
1027.85
1026.75

10 + 44

T. C. R. T. Co Fence

20.2

$$\frac{6.8}{33}$$

$$\frac{6.4}{16}$$

$$6.6$$

$$\frac{7.2}{10}$$

$$\frac{6.8}{33}$$

Sta

Right

Left

1

11'

14'

2

10'

16'

3

12'

14'

4

12'

14'

5

12'

13'

6

12'

12'

7

10'

14'

8

8'

18'

9

6'

18'

10

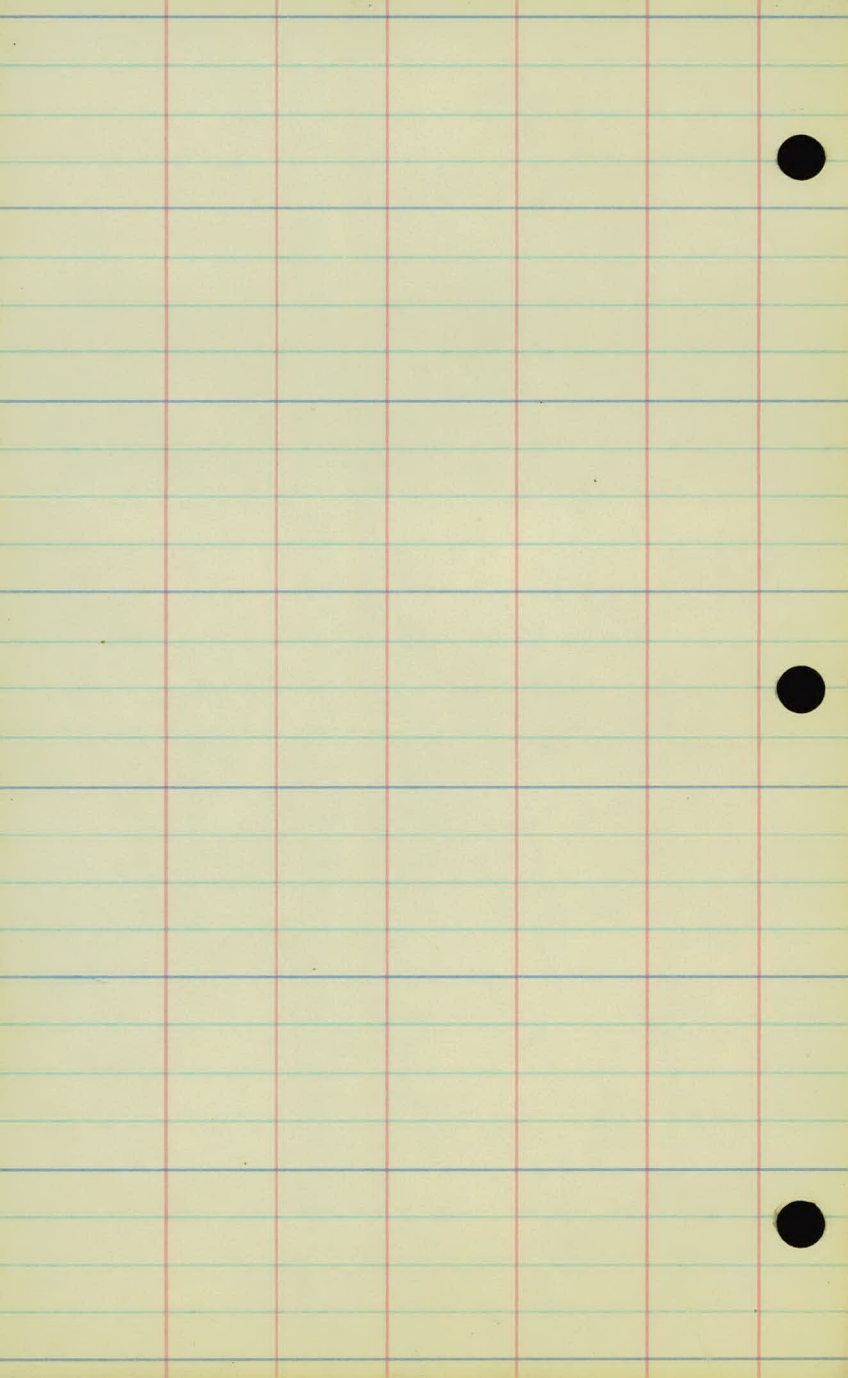
5'

20'

C

RIPLEY AVE

Furness Ave



Slope stakes

Ripley

East Ave to Furness

B.M.

7.86

1027.83

1019.97

4.31 1023.52 1023.38

040

22.8

0+50

23.0

140

23.1

1+50

23.1

2

23.1

+50

23.0

3

22.8

+50

22.6

4

22.4

+50

22.2

✓

22.0

Aug. 7

N.W. Cor. Howard & Ripley.

So
New Grade

5.0

$$4.8 \quad 25.9 \left| \frac{4.1}{+0.7} \quad \frac{3.8}{+1.0} \quad \frac{3.3}{+1.5} / 27.5$$

$$4.7 \quad 26.9 \left| \frac{3.5}{+1.2} \quad \frac{2.4}{+2.3} \quad \frac{2.1}{+2.6} / 29.7$$

$$4.7 \quad 26.7 \left| \frac{3.6}{+1.1} \quad \frac{3.1}{+1.6} \quad \frac{3.2}{+1.5} / 27.5$$

$$4.7 \quad 27.1 \left| \frac{3.4}{+1.2} \quad \frac{3.7}{+1.0} \quad \frac{4.4}{+0.3} / 28.1$$

$$4.8 \quad 26.7 \left| \frac{3.7}{+1.1} \quad \frac{4.2}{+0.6} \quad \frac{5.3}{+0.0} / 23.5$$

$$5.0 \quad 24.5 \left| \frac{5.0}{+0.4} \quad \frac{5.5}{+0.5} \quad \frac{6.2}{+0.3} / 22.1$$

$$5.2 \quad 23.7 \left| \frac{5.6}{+0.1} \quad \frac{6.1}{-0.9} \quad \frac{6.7}{-1.5} / 17.5$$

$$5.4 \quad 22.9 \left| \frac{6.2}{+0.7} \quad \frac{6.6}{-1.2} \quad \frac{6.9}{-1.5} / 17.5$$

$$5.6 \quad 22.2 \left| \frac{6.5}{+0.6} \quad \frac{6.7}{-1.1} \quad \frac{7.7}{-2.1} / 14.3$$

$$5.8 \quad 22.3 \left| \frac{6.9}{+0.4} \quad \frac{7.4}{-1.6} \quad \frac{8.0}{-2.2} / 19.6$$

1027.83

5+50

21.9

6

21.8

B.M.

8.68

1028.65

7.86

1019.97

+38

21.7

+60

21.7

7

21.7

+50

21.8

8

21.9

+50

22.0

9

22.2

+50

22.3

10

22.5

+12.2 = $\pm$ Funness

+24 Shldr Funness.

Aug. 17, 1936

8

$$5.9 \quad 228 \overline{) 22.05} \begin{array}{r} 69 \\ 180 \\ 405 \end{array}$$

$$\begin{array}{r} 7.2 \\ -1.4 \end{array}$$

$$\begin{array}{r} 8.0 \\ -2.1 \\ \hline 19.3 \end{array}$$

$$6.0 \quad 227 \overline{) 22.06} \begin{array}{r} 69 \\ 138 \\ 826 \end{array}$$

$$\begin{array}{r} 7.5 \\ -1.5 \end{array}$$

$$\begin{array}{r} 8.2 \\ -2.2 \\ \hline 19.4 \end{array}$$

e: p: leg outward.

$$7.0 \quad 231 \overline{) 22.7} \begin{array}{r} 7.7 \\ 141 \\ 86 \end{array}$$

$$7.9$$

$$\begin{array}{r} 8.1 \\ 20.4 \\ \hline 22.3 \end{array}$$

$$6.9 \quad 22.9 \overline{) 22.7} \begin{array}{r} 7.7 \\ 141 \\ 86 \end{array}$$

$$\begin{array}{r} 7.9 \\ -1.0 \end{array}$$

$$\begin{array}{r} 8.2 \\ 20.2 \\ \hline 21.9 \end{array}$$

$$6.7 \quad 22.7 \overline{) 22.6} \begin{array}{r} 7.6 \\ 141 \\ 85 \end{array}$$

$$\begin{array}{r} 7.8 \\ -1.1 \end{array}$$

$$\begin{array}{r} 8.2 \\ 20.0 \\ \hline 21.5 \end{array}$$

$$6.6 \quad 23.9 \overline{) 22.2} \begin{array}{r} 6.9 \\ 143 \\ 79 \end{array}$$

$$\begin{array}{r} 7.2 \\ -0.6 \end{array}$$

$$\begin{array}{r} 7.6 \\ 20.5 \\ \hline 22.5 \end{array}$$

$$6.4 \quad 26.5 \overline{) 24.5} \begin{array}{r} 5.4 \\ 132 \\ 113 \end{array}$$

$$\begin{array}{r} 6.2 \\ 10.2 \end{array}$$

$$\begin{array}{r} 6.4 \\ 20.5 \\ \hline 24.5 \end{array}$$

$$6.3 \quad 29.7 \overline{) 3.7} \begin{array}{r} 3.7 \\ 238 \\ 139 \end{array}$$

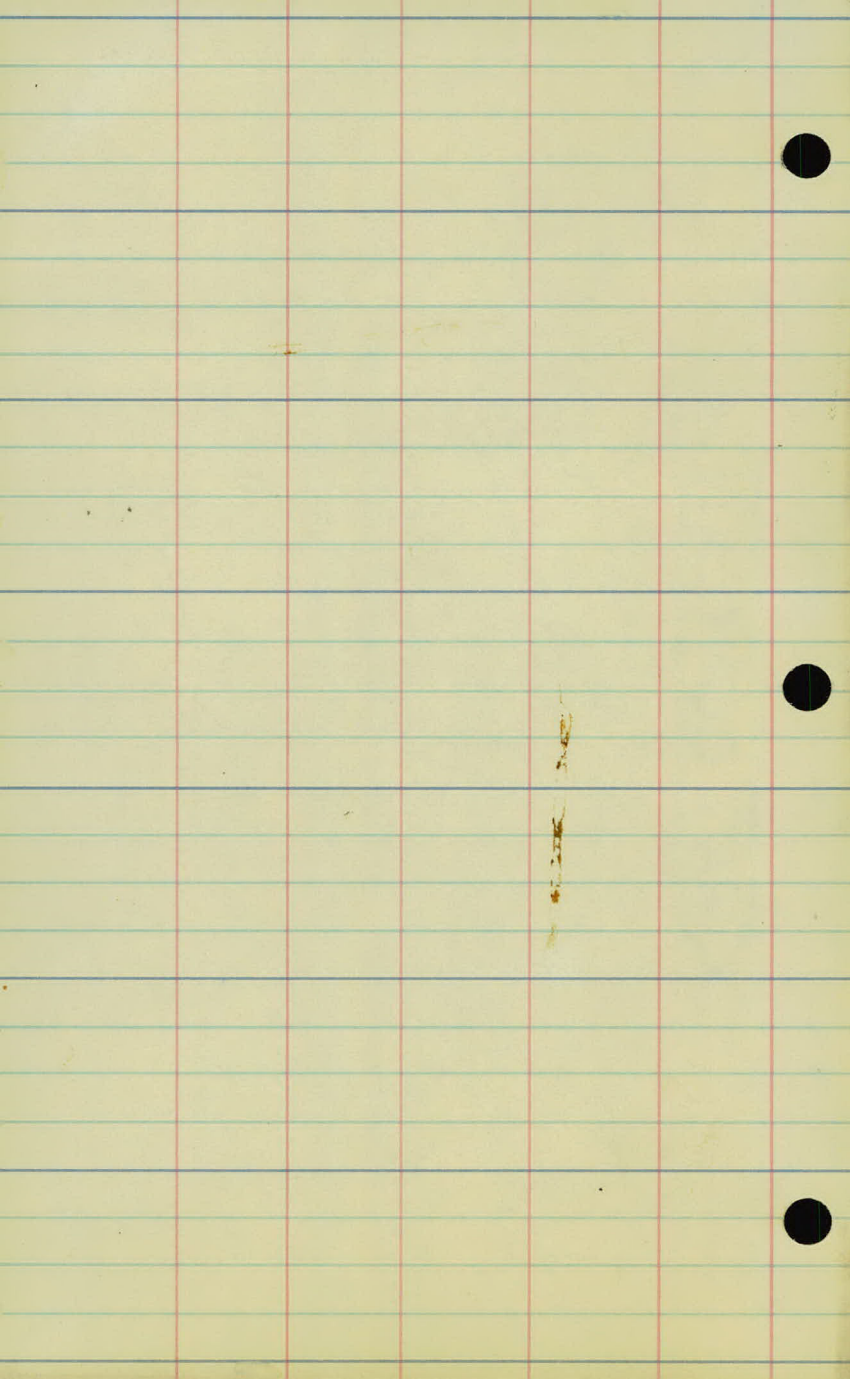
$$\begin{array}{r} 4.9 \\ 11.4 \end{array}$$

$$\begin{array}{r} 5.0 \\ 10.9 \\ \hline 16.3 \end{array}$$

$$6.1 \quad 29.9 \overline{) 4.5} \begin{array}{r} 4.5 \\ 239 \\ 110 \end{array}$$

$$\begin{array}{r} 4.6 \\ 11.7 \end{array}$$

$$\begin{array}{r} 4.6 \\ 11.5 \\ \hline 27.5 \end{array}$$



Profile Levels

Ripley str

From East Shore Dr. to Edward

Index	Pages
Ripley	1 to 4
Charles	4 to 8

Drawn up on Paper
Plan sheet Oct. 22/45
L.C.

STA	+	π	-	ELEV
B.M	7.62	875.14		867.52

0 to d				65.7.
--------	--	--	--	-------

+50				66.7.
-----	--	--	--	-------

1				68.9.
---	--	--	--	-------

+30		Ho. Lt		69.9.
-----	--	--------	--	-------

+50				70.8.
-----	--	--	--	-------

2				72.5.
---	--	--	--	-------

+50				75.1.
-----	--	--	--	-------

T.P	13.69	888.70	0.13	875.01
-----	-------	--------	------	--------

3				78.3.
---	--	--	--	-------

450				82.9.
-----	--	--	--	-------

T.P	12.86	901.20	0.36	888.34
-----	-------	--------	------	--------

4				89.4.
---	--	--	--	-------

+50		Int Ripley + Gordon		95.8.
-----	--	---------------------	--	-------

Profile Gordon Str West 95.8

LT

E

RT

Top R.R Spk Int Sophia & East Shore Drive

E East Shore Drive 9.4 ^{65.7}

66.2

8.9

Elev Conc Mass Gutter 8.4 ^{66.7}

68.0

7.1

Gutter ^{68.9}

6.2

73.70

70.76

1.44

4.38

Fl. Gr. FL.

Conc Drivewar
slab

5.2 ^{69.9}

5.3

69.84

Gutter

4.3 ^{70.8}

11.84

3.3

End Gutter

2.6 ^{72.5}

0.075.1

10.4 ^{78.3}

5.8 ^{82.9}

11.8 ^{89.4}

95.7

5.5

Elev Gar Elev Ho N.W. Cor
Ripley & Charles ^{97.4}

5.4 ^{95.8}

138

100

91.2

100

50

5.4 ^{95.8}

Sta	+	π	-	Elev
		901.20		
5				99.5
+15		Int Ripley + Charles	900.30	
B.M	9.32	908.78	1.74	899.46
+50				01.8
6				03.3
+27		Elev Floor Gar At	03.8	
+50		" " Gar Rt	04.1	
7				03.5
+50				02.1
8				00.1
+31		Int Ripley + Edward	98.5	
+50				97.3
9				894.2

Lt

Z

Rt

99.5
1.7

900.30
0.9

Top West End Cul Int Ripley & Charles
7.001.8

5.5-03.3
3.7
Top Cut 05.1

04.5
4.3
Gar Floor

03.8
5.0

04.1
4.7

07.0
1.8
Gar Floor

03.5
5.3

02.1
6.7

03.8
0.0
Elev Cut Rt

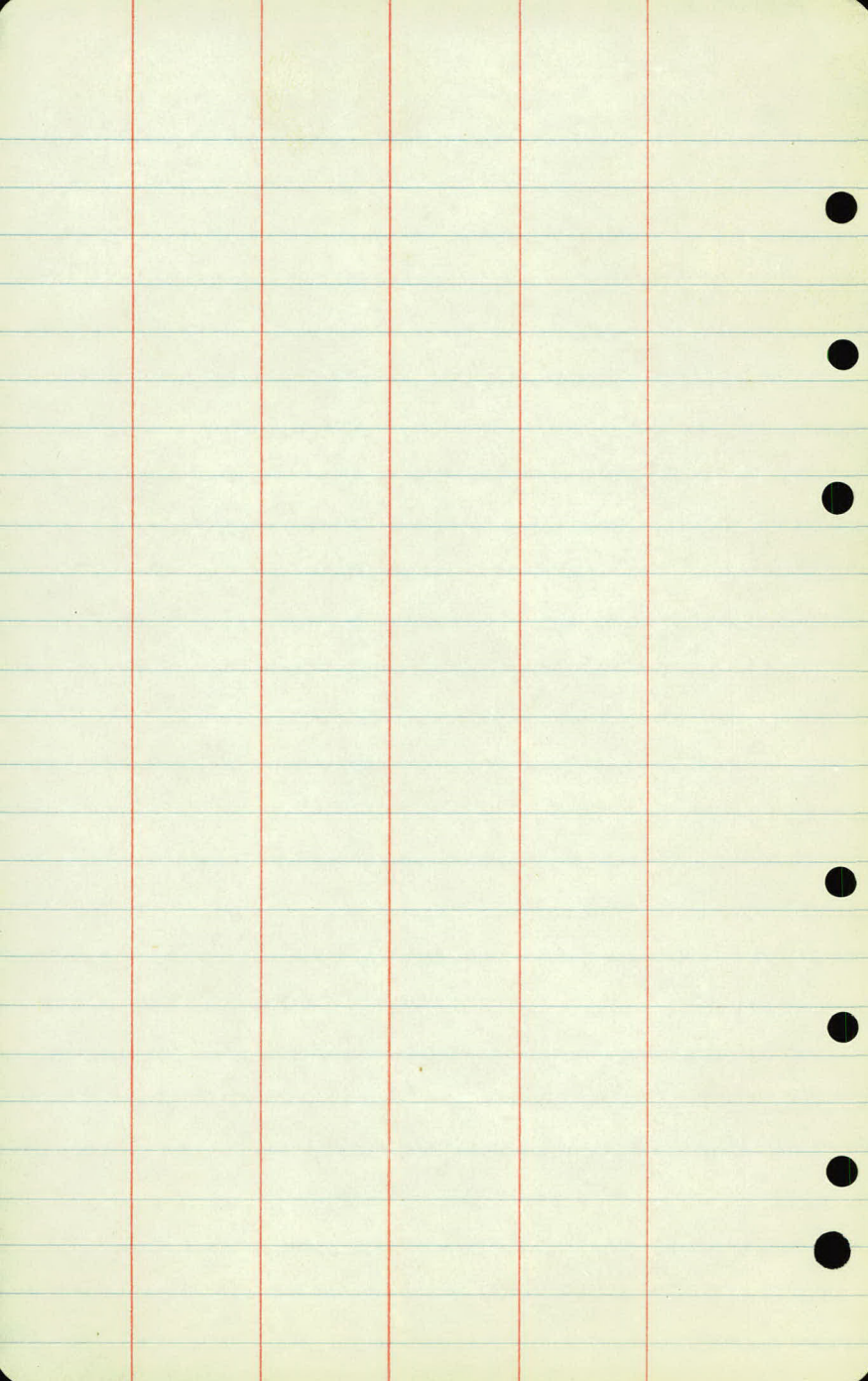
10.3
+1.5
Elev Cut Lt

00.1
8.7

98.5
10.3

97.3
11.5

94.2
14.6



Profile

Charles Str

From Sophia to 1 Block No Ripley

Note Block Between Sophia Not Travelled
or Graded.

Sta	+	π	-	Elev
	8.50	876.02		867.52

0+00	$\pm$ Sophia + Charles			71.0.
------	------------------------	--	--	-------

+17				70.8.
-----	--	--	--	-------

+23				72.3.
-----	--	--	--	-------

+50				75.4.
-----	--	--	--	-------

T.P	10.16	886.16	0.02	876.00
-----	-------	--------	------	--------

+00				80.7.
-----	--	--	--	-------

+50				82.7.
-----	--	--	--	-------

2				84.2.
---	--	--	--	-------

T.P	12.73	898.79	0.10	886.06
-----	-------	--------	------	--------

+50				86.0.
-----	--	--	--	-------

3				89.2.
---	--	--	--	-------

+50				94.2.
-----	--	--	--	-------

4				98.3.
---	--	--	--	-------

T.P	9.41	909.78	0.42	899.37
-----	------	--------	------	--------

+25				900.00.
-----	--	--	--	---------

Lt

*

Rt

5.0 71.0

5.2 70.8

3.7 72.3

0.6 75.4

5.5 80.7

3.5 82.7

2.0 84.2

12.8 86.0

9.6 89.2

4.6 94.2 97.3 901.3
1.5
Btm Wall Top Wall Rt

9.2 89.6
Slopes

0.5 98.3

900.00 02.2
5.6
Elev Gr Ho Rt Sta 4

7.8

Sta	+	π	-	Elev
		907.78		
4+50				00.3.
+88	$\pm$	Ripley & Charles		00.3.
5				00.7.
B.M	8.30	907.78	8.30	899.48
+50				02.7.
+75				03.0.
L				03.0.
+25				03.0.
+50				02.7.
7				02.4.
+50				02.3.
8				02.9.
+50				03.0.

Sta 6+25 to 8
Rd in F.V. Section

Lt

K

Rt

L

7.5^{00.3}03.8
4.0
Elev Ho Rt 4+507.5^{00.3}7.1^{00.7}

Top West End Culv Ripley + Charles

3.2^{04.6}
 Floor Ho
 5.3^{02.5}
 Gr
 5.52^{02.26}
 5+90 Conc Walk

5.1^{02.7}
 4.8^{03.0}
 Gr Ho^{06.8}
 1.0

4.8^{03.0}4.8^{03.0}

05.7
 2.1
 Gr Ho

9.1^{08.7}
 Fill Slope 25' Lt

7.5^{00.2}
 25' Lt

5.1^{02.7}5.4^{02.4}5.5^{02.3}4.9^{02.9}4.8^{03.0}

00.5
 7.3
 25' Rt

5.3^{02.5}
 Ho Lt

06.7
 1.1
 Ho 100' Rt

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

907.78

9				02.4.
---	--	--	--	-------

T.P.	9.13	911.45	5.4L	902.32
------	------	--------	------	--------

+50				01.5.
-----	--	--	--	-------

10+00				01.2.
-------	--	--	--	-------

+50				02.0.
-----	--	--	--	-------

11				03.8.
----	--	--	--	-------

+50				05.9.
-----	--	--	--	-------

12				06.7.
----	--	--	--	-------

+50				06.5.
-----	--	--	--	-------

13				06.5.
----	--	--	--	-------

+50				06.4.
-----	--	--	--	-------

+75				06.2.
-----	--	--	--	-------

Sta 9+00 to 10+50
Fill/Sec

Lt

K

Rt

$$\begin{array}{r} 97.9 \\ 13.6 \\ \hline \text{Gr. } 15' \text{ Lt} \end{array}$$

$$\begin{array}{r} 97.0 \\ 14.5 \\ \hline \text{Gr. } 15' \text{ Lt} \end{array}$$

$$\begin{array}{r} 98.5 \\ 13.0 \\ \hline \text{Gr. } 15' \end{array}$$

$$\begin{array}{r} 05.6 \\ 6.0 \\ \hline \text{Cut Lt} \end{array}$$

$$\begin{array}{r} 05.2 \\ 63 \\ \hline \text{Gr. } 15' \end{array}$$

$$\begin{array}{r} 02.4 \\ 5.4 \end{array}$$

$$\begin{array}{r} 01.5 \\ 10.0 \end{array}$$

$$\begin{array}{r} 01.2 \\ 10.3 \end{array}$$

$$\begin{array}{r} 02.0 \\ 9.5 \end{array}$$

$$\begin{array}{r} 03.8 \\ 7.7 \end{array}$$

$$\begin{array}{r} 05.9 \\ 5.6 \end{array}$$

$$\begin{array}{r} 06.7 \\ 4.8 \end{array}$$

$$\begin{array}{r} 06.5 \\ 5.0 \end{array}$$

$$\begin{array}{r} 06.5 \\ 5.0 \end{array}$$

$$\begin{array}{r} 06.4 \\ 5.1 \end{array}$$

$$\begin{array}{r} 06.2 \\ 5.3 \end{array}$$

$$\begin{array}{r} 03.7 \\ 7.8 \\ \hline 14.0 \text{ Rt } 54.9 \\ 13.6 \end{array}$$

$$\begin{array}{r} 05.9 \\ 5.6 \\ \hline \text{Cut Rt} \end{array}$$

$$\begin{array}{r} 0 \\ 1.0 \\ 3.7 \\ \hline \text{Cut Rt} \end{array}$$

Sta + π - Elev
911.45

14+00 05.9.

+50 05.9.

15 05.5.

+50 04.4.

16 03.1.

+50 01.5.

17 99.9.

+12 Σ Frost Arr 899.9

T.P. 476 907.34 8.87 902.58

B.M. 784 899.50 899.46

Lt

L

Rt

5.6
05.9

5.6

5.6
05.9

05.5

6.0

7.1
04.48.4
03.110.0
01.511.6
99.911.6
899.9

06.5

5.0
cut Lt.

L O. Lt

04.4

3.8
cut Rt

06.2

5.3
cut Rt

West End Culv Ripley & Charles

