

Book-29 - Dr. 6

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

C.W.A. CONST. Survey

COUNTY ROAD "B"

from Arcade St. to McMenamy St.

Road Acc't. No. S.T.H. 36

Date Filed 1934

File

Co. Rd. B

Station Point $\Delta R \Delta L$ Dec 9, 1933

Alignment County Road B
Arcade Street to McMenemy Street

52+68⁸⁵

35+45¹ P.O.T.

24+34⁸ P.I. $0^{\circ}38'$

18+00 P.O.T.

0+00 P.O.T.

0-41¹⁵ P.O.T.

Dec 9, 1933

Intersection of County Road B

Monument
□

& N. Menemy Street

X on Pavement

Intersection of County Rd B

Monument
□

& Edgerton Street.

nail in pavement.

Intersection of County Road

Monument
□

B & Arcade Street

Nail in stake on E produced backward.

Station Point ΔR ΔL

$18 + 95^{\frac{15}{2}}$ P.I

$52 + 68^{\frac{85}{2}}$ P.I $1^{\circ} 01' R$

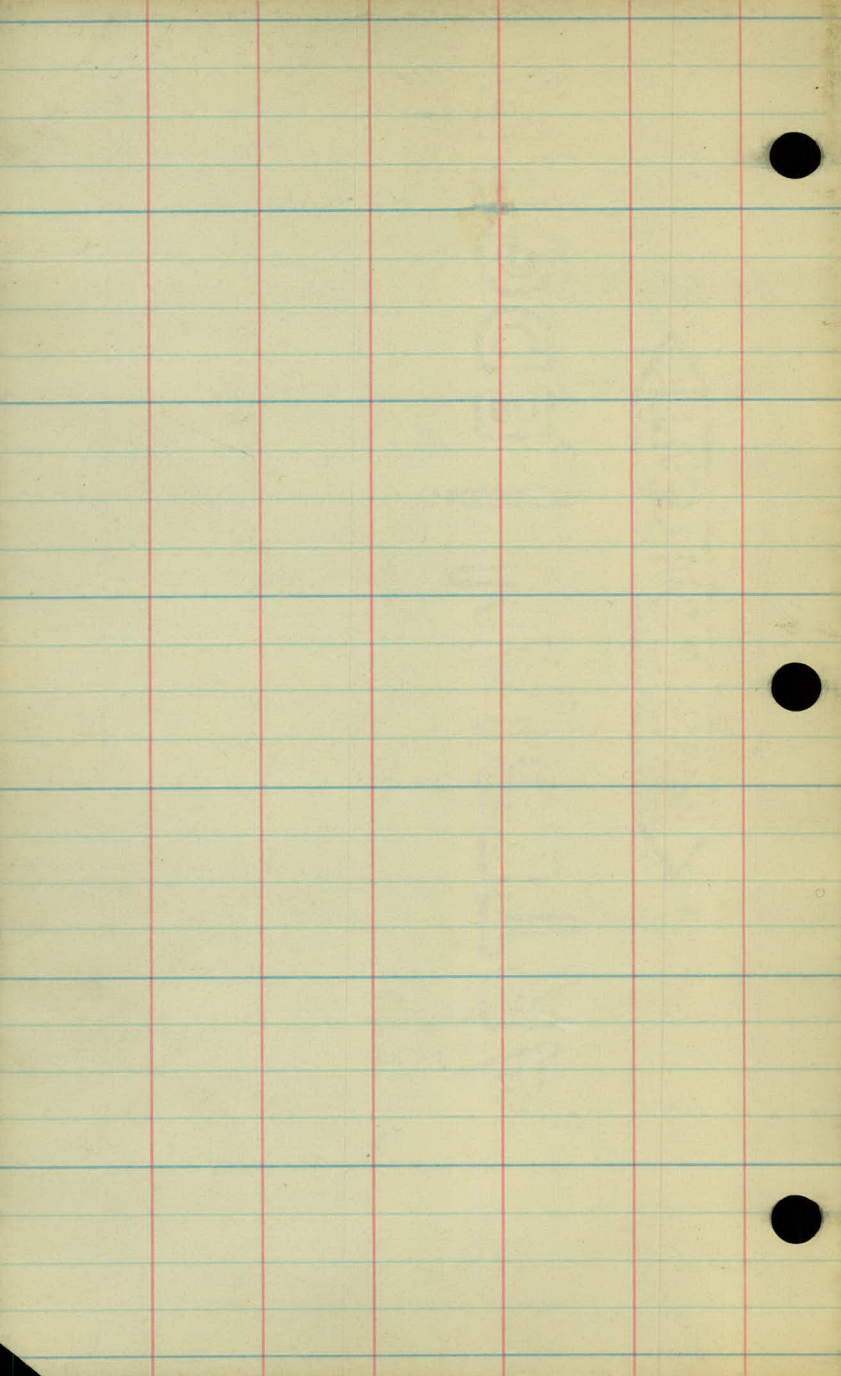
12/13/33



Intersection of County



Road B & McNamey St.



77
KELLER TUNNEL

At U.S. # 61

From Keller Golf Course

To Keller Lake

	+	H.I.	—	Pres. Gr. El.	New Cul. El.	Cut
B.M	274	898.24		895.5		
0+00		Toe of Fill	19.0	879.2	✓	
0+10			17.8	880.4	✓	
0+30			13.4	884.8	✓	869.8 15.0.
0+70			6.4	891.8	✓	869.3 22.5.
0+85			4.9	893.3	✓	869.2 24.1.
0+94		E. Shoulder	2.9	895.3	✓	869.1 26.2.
1+00.5		Par.	2.7	895.5		
1+24.5		Par.	2.7	895.5		
		Obtained from Lubbock				
1+31		W. Shoulder	2.8	895.4	✓	8689 26.5.
1+40			9.1	889.1	✓	8689 20.2.
1+58			13.6	884.6	✓	8688 15.8.
T.P.	0.00	886.16	12.08	886.16	✓	
1+80			10.6	875.6	✓	868.4 7.2.
T.P.	0.46	873.12	13.50	872.66		
2+03			8.4	864.7	✓	
2+57.2			12.8	860.3		

B.M.^s on County Road "B"

Spt. in G.P. E. of Arcade - El. 890.83

? Spt. in T.P. - S.E. Cor. Edgerton - El. 909.07

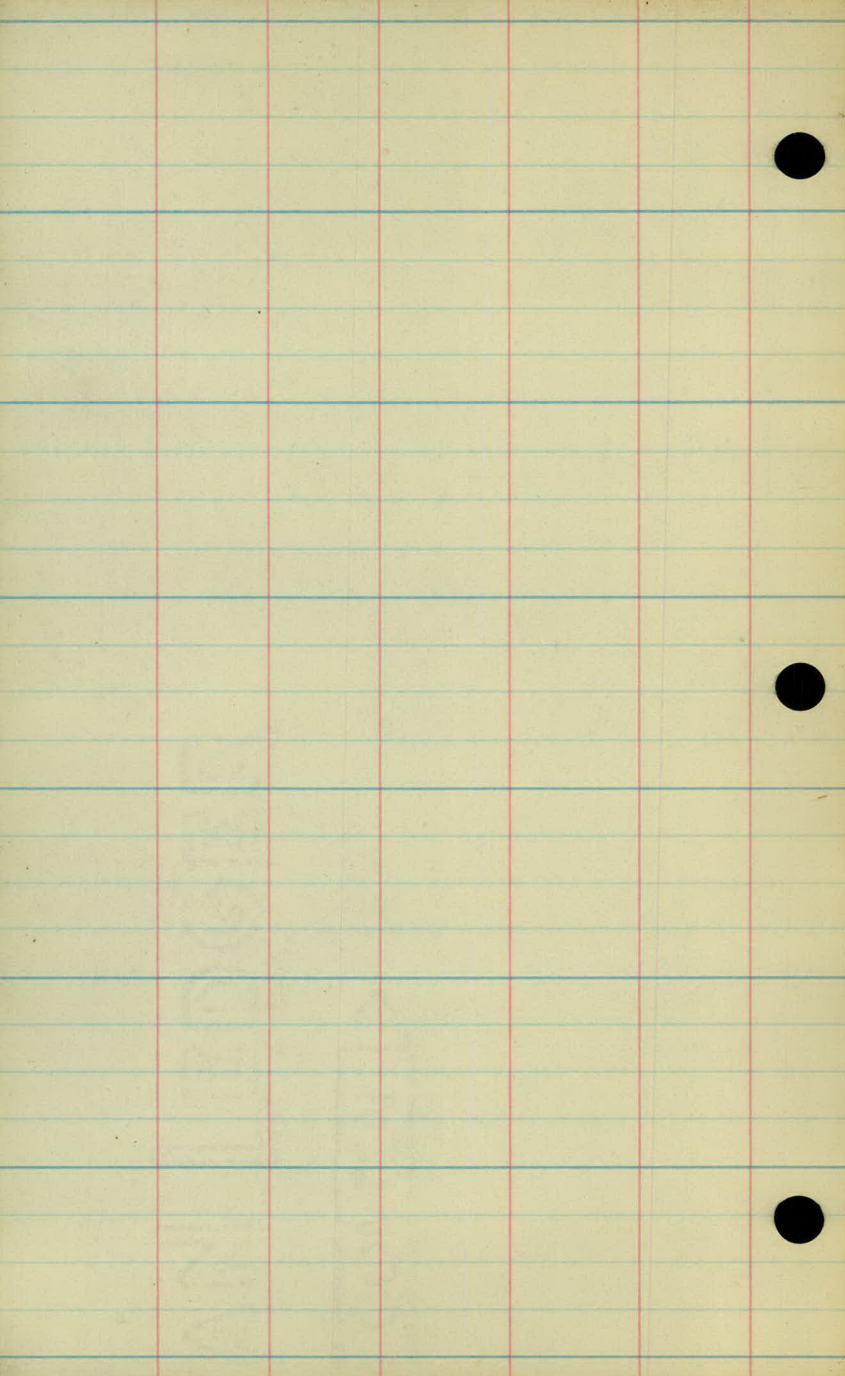
Spt. in P.P. - N.W. Cor. Dale - El. 887.55

? Iron Mont on Western - El. 942.65

Spt. in P.P. - N.W. Cor. Hamline - El. 956.21

S.W. Cor. Mont. on New Brighton Rd. El. 973.86

Spt. in W. Oak ^{S.W. or N.W.} on Cleveland El. 970.89



FINAL CROSS SECTIONS

COUNTY ROAD "B"

From ARCADE ST.

To W. County Line

	+	H.I.	-	E1.
B. VI.	11.08	901.91		890.83

0+00 Arcode St

+20

+30

+50

+75

1+00

+50

T.P.	9.92		1.26	900.65 (Inst. blown over)
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2+00

B.M.	12.86	903.69		890.83
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T.P.	9.43	910.01	3.11	900.58
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+50

3+00

+50

4+00

50.

L

Very Windy

No.

2

5pts in G.P. F. on Arcade

$$\begin{array}{r} 11.7 \\ 50.0 \end{array}$$

$$\begin{array}{r} 9.9 \\ 00 \end{array}$$

$$\begin{array}{r} 8.5 \\ 50.0 \end{array}$$

126	125	112	110	96	92	10.2	10.0	9.2	84
50.0	44.6	30.0	22.4	00	29.0	30.4	32.0	34.0	50.0

141	127	102	101	92	92	10.0	9.9	8.9	63	7.0
40.0	32.4	25.0	13.4	00	21.6	22.6	23.6	24.6	28.6	40.0

139	127	90	89	84	86	95	94	65	53
42.0	31.6	25.0	10.0	00	18.0	21.0	24.0	30.0	41.0

13.6	12.1	80	75	71	7.1	82	80	Above #1	
44.0	33.0	25.0	8.0	00	18.0	21.0	24.6	38.0	40.0

120	108	65	61	57	59	60	71	71	+0.7	+1.6
41.0	33.0	25.0	9.6	00	6.0	18.0	20.6	24.0	36.6	40.0

87	77	41	39	33	34	32	44	43	+31	+4.2
41.0	33.0	25.0	10.0	00	8.4	18.0	21.0	24.0	36.6	40.0

140	130	108	118	117	107	107	100	90	10.4	10.2	28	23
40.0	36.0	26.0	24.0	21.0	18.0	13.0	00	22.6	23.6	25.0	39.0	46.0

7.4	6.6	10.4	10.4	93	92	87	90	10.2	10.4	+0.5	+0.5
42.0	32.0	24.0	21.0	18.0	12.0	00	18.0	20.6	24.0	43.0	50.0

3.8	33	10.4	10.4	91	92	87	88	10.0	9.9	+2.6	+2.9
49.0	40.0	24.6	21.4	18.0	13.0	00	18.0	20.6	24.0	46.4	50.0

25	20	11.0	11.1	98	10.0	96	97	10.7	10.7	+4.2	+4.3
50.0	42.4	24.4	21.4	18.0	10.4	00	18.0	20.8	24.0	49.0	55.0

5.4	4.5	12.2	12.2	11.0	11.0	10.6	11.0	11.9	11.9	+3.3	+3.3
50.0	43.0	24.6	21.6	18.0	10.0	00	18.0	21.0	24.0	49.4	55.0

910.01

4+50

T.P. 2.08 899.04 1305 896.96

5+00

4+75

+50

6+00

+50

7+00

+50

8+00

+50

9+00

T.P.

3.99 895.05

+50

10+00

50.

4

140.

31

10.9	10.0	13.3	13.2	12.0	12.2	11.8	12.2	13.2	13.3	11	0.9
42.0	32.6	24.0	21.4	18.0	9.0	0.0	18.0	20.6	24.0	45.4	50.0

4.7	4.2	2.8	3.5	3.5	2.4	2.4	2.1	2.4	2.4	3.1	3.1	+2.3
42.0	30.8	26.6	24.4	21.4	18.0	11.0	11.0	18.0	20.6	24.0	35.4	50.0

2.4	2.1	1.8	2.7	2.7	1.8	1.7	1.5	1.7	1.8	2.7	2.7	+5.6	+5.6
40.0	30.4	27.0	24.4	21.4	18.0	12.0	0.0	12.0	18.0	20.4	24.0	40.0	45.0

8.0	7.3	3.8	3.5	3.2	3.4	3.7	4.6	4.7	3.5	4.1
42.0	34.6	24.6	11.6	0.0	10.0	21.4	24.4	26.6	29.6	40.0

10.1	9.8	4.8	4.6	4.2	4.4	4.6	8.8	9.1
40.0	35.0	24.6	12.0	0.0	11.0	25.0	34.0	40.0

10.7	10.1	5.4	5.4	4.9	5.2	5.3	10.5	10.9
41.0	36.2	24.6	11.0	0.0	10.6	25.0	34.6	40.0

11.5	10.7	6.2	6.2	5.8	6.1	6.0	10.6	10.9
40.0	36.0	25.0	11.0	0.0	10.0	25.0	33.7	44.0

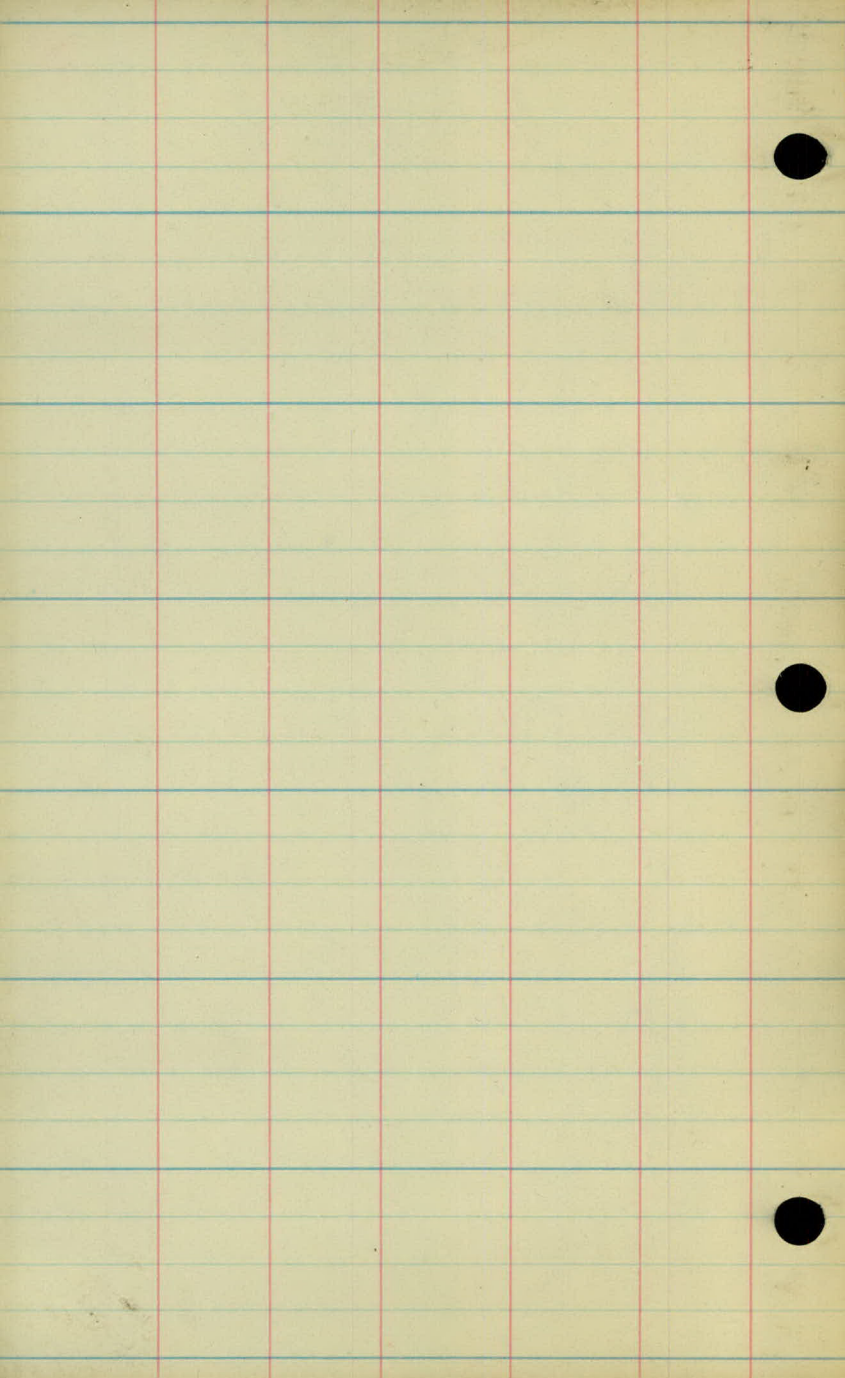
11.4	10.6	6.4	6.3	6.0	6.4	6.4	10.6	11.5
42.0	35.0	25.0	10.0	0.0	10.3	25.0	34.3	43.0

10.9	10.6	5.8	5.8	5.5	5.7	6.1	10.7	11.5
40.0	36.0	25.0	11.0	0.0	9.8	25.0	34.0	44.0

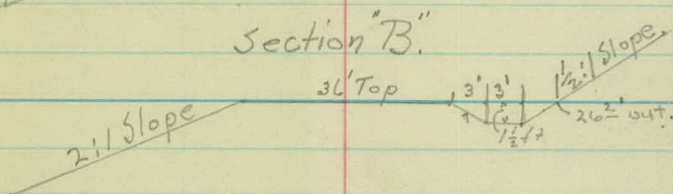
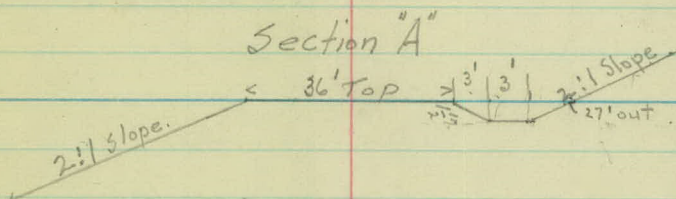
10.4	10.4	5.3	5.2	4.9	5.1	5.4	10.6	10.6
40.0	36.0	25.0	11.0	0.0	9.6	25.0	35.0	42.0

9.3	9.6	4.9	4.9	4.5	4.8	5.0	10.0	10.0
40.0	35.0	25.0	10.6	0.0	10.0	25.0	36.0	40.0

F.P. 24' 50. Sta. 9+15



Sections used in Cross-sectioning
County Road B - Arcade Street to Rice Street



NOTE:

Sta. $78 + 95.15 = 287 + 32.50$ as of
the original survey.

NEW SECTION

Station	+	H.I.	-	Elev	Gr Rd.
B.M.	13.43	1013.43		1000.00	

0+00 Arcade 5x

+20

+30

+50

+75

1+00

+50

T.I.P.

12.69 1026.66 0.34 1013.77

2+00

17.0

+24

+50

16.2

3+00

16.2

+50

17.1

4+00

18.1

50.

No.

R 12/11/33

R.R. Spike in Pole 45 ft left of Sta 0-20
Elevation 1000 Assumed.

$$\frac{13.7}{40} \frac{13.4}{30} \frac{13.0}{20} \frac{12.6}{10} 12.3 \quad \frac{12.1}{10} \frac{11.9}{20} \frac{11.5}{30} \frac{11.2}{40}$$

$$\frac{14.3}{40} \frac{13.6}{30} \frac{13.5}{20} \frac{12.5}{10} 11.9 \quad \frac{11.7}{10} \frac{11.7}{20} \frac{11.3}{30} \frac{11.7}{40}$$

$$\frac{16.2}{40} \frac{14.9}{30} \frac{13.3}{20} \frac{12.8}{10} 12.1 \quad \frac{11.6}{10} \frac{11.6}{20} \frac{11.6}{30} \frac{11.6}{40}$$

$$\frac{15.2}{40} \frac{14.5}{30} \frac{14.1}{20} \frac{13.7}{10} 13.4$$

$$\frac{16.2}{40} \frac{15.2}{30} \frac{14.6}{20} \frac{14.1}{10} 13.7 \quad \frac{11.1}{10} \frac{10.7}{20} \frac{9.1}{30} \frac{8.8}{40} \quad A \quad \frac{3.1}{2} \frac{8.6}{0.21}$$

$$\frac{15.3}{40} \frac{14.3}{30} \frac{13.8}{20} \frac{10.5}{10} 9.4 \quad \frac{7.4}{10} \frac{9.7}{20} \frac{2.5}{30} \frac{1.6}{40}$$

$$\frac{13.1}{40} \frac{12.0}{30} \frac{11.0}{20} \frac{10.0}{10} 9.0$$

$$\frac{14.3}{40} \frac{13.2}{30} \frac{9.2}{20} \frac{9.0}{10} 8.1 \quad \frac{8.6}{10} \frac{8.6}{20} \frac{2.6}{30} \frac{1.7}{40} \quad B \quad \frac{3.6}{2} \frac{8.6}{0.65}$$

$$\frac{10.9}{40} \frac{9.9}{30} \frac{7.7}{20} \frac{6.6}{10} 5.6$$

$$\frac{5.9}{10} \frac{5.8}{20} \frac{0.7}{30} \frac{0.0}{40} \quad B \quad \frac{3.6}{2} \frac{0.7}{0.63}$$

$$\frac{7.0}{40} \frac{6.1}{30} \frac{4.3}{20} \frac{4.4}{10} 3.7$$

$$\frac{3.7}{10} \frac{2.9}{20} \frac{0.8}{30} \frac{0.6}{40} \quad B \quad \frac{3.9}{2} \frac{0.7}{0.83}$$

0.0

$$\frac{0.2}{40} \frac{0.1}{30} \frac{0.1}{20} \frac{0.1}{10} 0.0$$

A

$$\frac{1.5}{40} \frac{0.7}{30} \frac{3.6}{20} \frac{3.6}{10} 2.9 \quad \frac{3.1}{10} \frac{2.5}{20} \frac{1.4}{30} \frac{0.5}{40} \quad B \quad \frac{4.2}{2} \frac{5.9}{0.03}$$

$$\frac{9.7}{40} \frac{9.5}{30} \frac{3.5}{20} \frac{3.4}{10} 2.9$$

A

$$\frac{3.1}{10} \frac{3.6}{20} \frac{0.7}{30} \frac{0.6}{40} \quad B \quad \frac{4.5}{2} \frac{4.0}{0.22}$$

$$\frac{8.5}{40} \frac{8.1}{30} \frac{4.1}{20} \frac{4.4}{10} 3.8$$

A

$$\frac{4.0}{10} \frac{4.1}{20} \frac{2.3}{30} \frac{2.5}{40} \quad B \quad \frac{4.9}{2} \frac{2.5}{0.16}$$

$$\frac{11.0}{40} \frac{10.4}{30} \frac{4.7}{20} \frac{4.9}{10} 4.8$$

$$\frac{5.1}{10} \frac{5.4}{20} \frac{3.1}{30} \frac{3.3}{40} \quad B \quad \frac{4.9}{2} \frac{3.3}{0.19}$$

Station	+	H.I	-	Elev	Gr Rod
---------	---	-----	---	------	--------

4+50

5.7
19.2

+75

10.24

1013.05

10.64

1002.79

5+00

+26

+50

B.M

1002.79

5.69 1008.48

6+00

+50

7+00

+50

8+00

+50

9+00

+50

10+00

$$\frac{3.5}{4.24} \left| \begin{array}{l} 3.12 \\ 3 \end{array} \right.$$

50.

$$\frac{4.1}{40} \frac{3.7}{29} \frac{3.4}{25} \frac{4.2}{19} \frac{6.4}{13} 6.1$$

76.

$$\frac{6.3}{8.8} \frac{6.5}{2.1} \left| \begin{array}{l} 7.9 \\ 31 \end{array} \right. \frac{8.4}{40}$$

$$\frac{4.4}{4} \left| \begin{array}{l} 7.8 \\ 6.16 \end{array} \right.$$

00

$$\frac{F.0.2}{18}$$

$$\frac{10.2}{40} \frac{9.2}{25} \frac{7.4}{21.2} \frac{7.4}{12} 6.9 \frac{7.4}{10} \frac{7.3}{16} \frac{4.1}{21} \frac{2.3}{30} \frac{2.9}{40}$$

$$\frac{3.50}{350} \left| \begin{array}{l} 2.9 \\ 640 \end{array} \right.$$

00

$$\frac{11.3}{F.4.3} \left| \begin{array}{l} 16 \\ 16 \end{array} \right.$$

$$\frac{12.7}{40} \frac{12.5}{30} \frac{11.7}{23.2} \frac{8.6}{18.8} \frac{8.9}{12} 8.0$$

$$\frac{8.4}{10} \frac{8.9}{20} \frac{9.2}{30} \frac{8.8}{40}$$

$$\frac{19.6}{F.0.6} \left| \begin{array}{l} 8.8 \\ 8.8 \end{array} \right.$$

Stake Nailed to Tel. Pole 20' left of 4+30

$$\frac{10.6}{F.6.4} \left| \begin{array}{l} 30.8 \\ 30 \end{array} \right.$$

$$\frac{10.9}{40} \frac{10.8}{30} \frac{9.4}{20} \frac{5.5}{17.2} \frac{4.9}{12} 4.2$$

$$\frac{4.9}{10} \frac{5.4}{18} \frac{8.6}{23} \frac{9.2}{30} \frac{9.1}{40}$$

$$\frac{8.78}{F.4.9} \left| \begin{array}{l} 9.1 \\ 9.1 \end{array} \right.$$

$$\frac{11.2}{F.6.1} \left| \begin{array}{l} 30.4 \\ 30.4 \end{array} \right.$$

$$\frac{11.2}{40} \frac{10.4}{23.6} \frac{6.1}{17.6} \frac{5.8}{12} 5.1$$

$$\frac{5.4}{10} \frac{5.7}{17} \frac{10.3}{23.2} \frac{11.0}{40}$$

$$\frac{29.6}{F.5.8} \left| \begin{array}{l} 10.9 \\ 10.9 \end{array} \right.$$

$$\frac{11.4}{F.5.4} \left| \begin{array}{l} 28.8 \\ 28.8 \end{array} \right.$$

$$\frac{11.3}{40} \frac{11.0}{23.6} \frac{6.8}{17.2} \frac{6.6}{12} 6.0$$

$$\frac{6.5}{11} \frac{6.9}{17} \frac{11.4}{23.6} \frac{11.3}{40}$$

$$\frac{28.8}{F.5.4} \left| \begin{array}{l} 11.4 \\ 11.4 \end{array} \right.$$

$$\frac{11.5}{F.5.2} \left| \begin{array}{l} 28.4 \\ 28.4 \end{array} \right.$$

$$\frac{11.3}{40} \frac{11.4}{24} \frac{6.8}{17} \frac{6.7}{12} 6.3$$

$$\frac{6.7}{11} \frac{7.0}{17.8} \frac{11.0}{23} \frac{11.4}{40}$$

$$\frac{27.8}{F.4.9} \left| \begin{array}{l} 11.2 \\ 11.2 \end{array} \right.$$

$$\frac{11.4}{F.5.8} \left| \begin{array}{l} 29.6 \\ 29.6 \end{array} \right.$$

$$\frac{11.3}{40} \frac{11.3}{23.6} \frac{6.5}{17.2} \frac{6.1}{12} 5.6$$

$$\frac{6.1}{10} \frac{6.0}{17.2} \frac{11.1}{24.4} \frac{11.5}{40}$$

$$\frac{29.8}{F.5.9} \left| \begin{array}{l} 11.3 \\ 11.3 \end{array} \right.$$

$$\frac{11.1}{F.5.9} \left| \begin{array}{l} 29.8 \\ 29.8 \end{array} \right.$$

$$\frac{10.8}{40} \frac{10.5}{23.6} \frac{5.9}{16.6} \frac{5.6}{12} 5.2$$

$$\frac{5.5}{10} \frac{5.9}{16.8} \frac{11.0}{25.6} \frac{11.1}{40}$$

$$\frac{29.8}{F.5.9} \left| \begin{array}{l} 11.1 \\ 11.1 \end{array} \right.$$

$$\frac{10.1}{F.5.2} \left| \begin{array}{l} 28.4 \\ 28.4 \end{array} \right.$$

$$\frac{9.8}{40} \frac{9.2}{23.6} \frac{5.5}{17} \frac{5.4}{12} 4.9$$

$$\frac{5.1}{10} \frac{5.4}{17} \frac{9.5}{23.6} \frac{10.5}{40}$$

$$\frac{27.6}{F.4.8} \left| \begin{array}{l} 9.2 \\ 9.2 \end{array} \right.$$

$$\frac{7.8}{F.3.4} \left| \begin{array}{l} 24.8 \\ 24.8 \end{array} \right.$$

$$\frac{7.8}{40} \frac{7.7}{24.8} \frac{4.8}{17.2} \frac{4.7}{11} 4.4$$

$$\frac{4.9}{10} \frac{5.1}{16.0} \frac{6.9}{19.0} \frac{6.5}{20} \frac{7.5}{40}$$

$$\frac{0.200}{22.2} \left| \begin{array}{l} 6.5 \\ 6.5 \end{array} \right.$$

$$\frac{5.9}{F.1.8} \left| \begin{array}{l} 21.6 \\ 21.6 \end{array} \right.$$

$$\frac{5.7}{40} \frac{6.6}{30} \frac{5.9}{22.2} \frac{4.5}{17.6} \frac{4.4}{11} 4.1$$

$$\frac{4.5}{10} \frac{6.2}{18} \frac{5.4}{20} \frac{5.8}{30} \frac{6.5}{40}$$

$$\frac{26.2}{D.C.1} \left| \begin{array}{l} 5.0 \\ 5.0 \end{array} \right.$$

Station	+	H.I	-	Elev	Gr Rod.
10+50		1008.48			
11+00					
+50					
12+00					
+50					
13+00					
T.P	13.40	1020.46	1.42	1007.06	
+50					
14+00					
+50					
15+00					
+50					
16+00					
+50					

R/2/11/133

50.

40.

$$\frac{4.5}{26.10} \bigg| \frac{0}{27.0}$$

$$\frac{4.5}{40} \frac{4.5}{30} \frac{4.0}{22} \frac{5.1}{18} \frac{4.2}{15} \frac{3.7}{11} 3.5$$

$$\frac{3.8}{10} \frac{4.5}{14} \frac{4.0}{21} \frac{4.2}{30} \frac{4.8}{40}$$

$$\frac{27.0}{26.10} \bigg| \frac{4.0}{27.0}$$

$$\frac{3.1}{26.10} \bigg| \frac{0}{27.0}$$

$$\frac{2.5}{40} \frac{3.1}{30} \frac{2.9}{20} \frac{2.8}{11} 2.6$$

$$\frac{3.0}{11} \frac{3.6}{14} \frac{3.8}{22} \frac{3.4}{30} \frac{3.4}{40}$$

$$\frac{27}{26.10} \bigg| \frac{3.0}{27.0}$$

$$\frac{2.8}{26.07} \bigg| \frac{0}{27.0}$$

$$\frac{3.0}{40} \frac{2.9}{30} \frac{2.0}{22} \frac{3.3}{18} \frac{2.7}{14} \frac{2.7}{11} 2.0$$

$$\frac{2.5}{10} \frac{3.1}{15} \frac{2.7}{19} \frac{2.4}{25} \frac{2.5}{30} \frac{2.5}{40}$$

$$\frac{26.2}{26.10} \bigg| \frac{2.4}{27.0}$$

$$\frac{3.2}{21.8} \bigg| \frac{0}{27.0}$$

$$\frac{3.0}{40} \frac{3.4}{30} \frac{2.3}{19} \frac{2.1}{15} \frac{1.8}{12} 1.4$$

$$\frac{1.9}{10} \frac{2.8}{16} \frac{2.5}{26} \frac{1.8}{40}$$

$$\frac{24.8}{26.10} \bigg| \frac{2.2}{27.0}$$

$$\frac{2.8}{21.8} \bigg| \frac{0}{27.0}$$

$$\frac{2.2}{40} \frac{2.6}{30} \frac{3.0}{21} \frac{1.7}{18} \frac{1.3}{12} 1.0$$

$$\frac{1.6}{10} \frac{2.3}{15} \frac{2.0}{25} \frac{1.2}{40}$$

$$\frac{25.0}{26.10} \bigg| \frac{2.0}{27.0}$$

$$\frac{2.2}{21.8} \bigg| \frac{0}{27.0}$$

$$\frac{2.0}{40} \frac{2.5}{30} \frac{2.7}{20} \frac{0.8}{12} 0.4$$

$$\frac{0.9}{10} \frac{1.9}{15} \frac{1.4}{23} \frac{1.0}{30} \frac{0.7}{40}$$

$$\frac{25.2}{26.10} \bigg| \frac{1.3}{27.0}$$

$$\frac{12.2}{26.10} \bigg| \frac{0}{27.0}$$

$$\frac{13.2}{40} \frac{12.5}{30} \frac{12.2}{21} \frac{13.2}{18} \frac{12.1}{12} 11.7$$

$$\frac{12.0}{9} \frac{13.0}{15} \frac{11.4}{18} \frac{11.0}{30} \frac{10.7}{40}$$

$$\frac{28.0}{26.10} \bigg| \frac{11.2}{27.0}$$

$$\frac{11.8}{21.2} \bigg| \frac{0}{27.0}$$

$$\frac{12.5}{40} \frac{12.1}{30} \frac{11.8}{19} \frac{12.2}{17} \frac{11.2}{13} 10.6$$

$$\frac{11.0}{9} \frac{12.0}{15} \frac{11.0}{17} \frac{10.7}{30} \frac{10.5}{40}$$

$$\frac{26.6}{26.10} \bigg| \frac{10.8}{27.0}$$

$$\frac{9.8}{26.15} \bigg| \frac{0}{27.0}$$

$$\frac{10.5}{40} \frac{10.0}{30} \frac{9.2}{22} \frac{10.8}{18} \frac{10.3}{13} 9.8$$

$$\frac{10.2}{9} \frac{10.7}{14} \frac{9.4}{17} \frac{9.3}{30} \frac{9.3}{40}$$

$$\frac{28.0}{26.10} \bigg| \frac{9.3}{27.0}$$

$$\frac{9.4}{26.11} \bigg| \frac{0}{27.0}$$

$$\frac{9.7}{40} \frac{9.4}{25} \frac{10.2}{18} \frac{9.5}{14} 9.0$$

$$\frac{9.3}{9} \frac{9.5}{18} \frac{9.0}{30} \frac{9.0}{40}$$

$$\frac{26.8}{26.10} \bigg| \frac{9.1}{27.0}$$

$$\frac{7.6}{26.05} \bigg| \frac{0}{27.0}$$

$$\frac{7.5}{40} \frac{7.9}{30} \frac{8.0}{21} \frac{9.0}{17} \frac{8.2}{13} 8.1$$

$$\frac{8.4}{9} \frac{8.5}{17} \frac{9.4}{30} \frac{9.5}{40}$$

$$\frac{24.8}{26.10} \bigg| \frac{9.2}{27.0}$$

$$\frac{5.8}{26.14} \bigg| \frac{0}{27.0}$$

$$\frac{5.6}{40} \frac{5.8}{30} \frac{6.1}{23} \frac{8.1}{14} \frac{7.6}{13} 7.2$$

$$\frac{7.6}{8.0} \frac{7.5}{16} \frac{5.7}{22} \frac{5.2}{30} \frac{5.8}{40}$$

$$\frac{31.0}{26.10} \bigg| \frac{5.2}{27.0}$$

$$\frac{5.8}{26.05} \bigg| \frac{0}{27.0}$$

$$\frac{5.1}{40} \frac{5.6}{30} \frac{5.5}{24} \frac{7.1}{14} \frac{6.6}{13} 6.1$$

$$\frac{6.4}{90} \frac{6.2}{17} \frac{3.1}{22} \frac{2.0}{30} \frac{2.9}{40}$$

$$\frac{33.8}{26.10} \bigg| \frac{2.7}{27.0}$$

Station + H.I - Elev Gr Rod
17+00 1020.86

+50

18+00

B.M.

0.39 1020.07 910.84

B.M.

1020.07

12.16 1032.23

+50

19+00

+50

+60

20+00

+50

+80

21+00

+50

+70

T.P.

12.73 1019.50

2.16

1021.66

50.

No.

12/11/33

$$\frac{2.8}{C.2.1} \left| \frac{32.2}{32.2} \right.$$

$$\frac{30}{40} \frac{2.7}{30} \frac{2.6}{25} \frac{6.2}{19} \frac{5.7}{14} 5.4$$

$$\frac{5.7}{8} \frac{5.7}{17} \frac{8.0}{21.5} \frac{2.4}{30} \frac{2.4}{40}$$

$$\frac{32.2}{80} \left| \frac{2.5}{C.2.9} \right.$$

$$\frac{3.9}{C.0.6} \left| \frac{2.2}{2.2} \right.$$

$$\frac{3.9}{40} \frac{3.7}{30} \frac{3.9}{22} \frac{5.6}{18} \frac{5.2}{14} 4.5$$

$$\frac{4.8}{80} \frac{4.9}{17} \frac{2.3}{21.5} \frac{2.5}{30} \frac{3.4}{40}$$

$$\frac{3.9}{100} \left| \frac{2.4}{F.2.1} \right.$$

$$\frac{3.7}{D.1.2} \left| \frac{4}{2.6} \right.$$

$$\frac{2.5}{40} \frac{2.7}{30} \frac{3.4}{20} \frac{4.7}{18} \frac{4.1}{14} 3.4$$

$$\frac{3.7}{8} \frac{3.7}{15} \frac{4.4}{20} \frac{4.9}{30} \frac{5.4}{40}$$

$$\frac{4}{100} \left| \frac{4.4}{F.1.0} \right.$$

Stake nailed to Tel. Pole 20 ft left of 19+20

12/12/33

Stake nailed to Tel. Pole 20' left of 19+20

$$\frac{15.7}{F.1.3} \left| \frac{20.5}{20.5} \right.$$

D.C.0°

$$\frac{11.7}{40} \frac{13.2}{31} \frac{15.8}{23} \frac{19.9}{14} 14.3$$

$$\frac{14.6}{7} \frac{19.1}{14} \frac{16.9}{20} \frac{12.3}{30} \frac{17.8}{40}$$

$$\frac{15.7}{100} \left| \frac{16.9}{F.2.6} \right.$$

$$\frac{7.5}{C.5.8} \left| \frac{38.6}{38.6} \right.$$

$$\frac{7.5}{40} \frac{7.7}{33} \frac{13.8}{25} \frac{14.1}{19} \frac{13.7}{12} 13.3$$

$$\frac{13.6}{6.5} \frac{13.6}{14.2} \frac{16.2}{20} \frac{16.8}{30} \frac{16.9}{40}$$

$$\frac{7.5}{100} \left| \frac{16.8}{F.2.0} \right.$$

$$\frac{5.2}{C.1.4} \left| \frac{41.8}{41.8} \right.$$

$$\frac{5.0}{40} \frac{5.1}{35} \frac{13.4}{23} \frac{12.5}{20} \frac{13.3}{15} 12.6$$

$$\frac{13.1}{7.5} \frac{13.0}{15.6} \frac{13.0}{26} \frac{13.3}{30} \frac{14.5}{40}$$

$$\frac{5.2}{100} \left| \frac{13.1}{F.2.5} \right.$$

00

$$\frac{4.3}{C.7.9} \left| \frac{42.8}{42.8} \right.$$

$$\frac{4.4}{40} \frac{4.7}{35} \frac{13.0}{24} \frac{12.6}{14} 12.2$$

$$\frac{12.5}{7} \frac{12.9}{13} \frac{12.4}{14} \frac{11.6}{21} \frac{10.3}{30} \frac{9.6}{40}$$

$$\frac{4.3}{80} \left| \frac{10.2}{C.1.9} \right.$$

$$\frac{3.1}{C.9.0} \left| \frac{45.0}{45.0} \right.$$

$$\frac{3.1}{40} \frac{3.8}{35} \frac{12.6}{25} \frac{12.6}{15} 12.1$$

$$\frac{12.4}{8} \frac{12.1}{12.5} \frac{12.4}{14} \frac{10.5}{30} \frac{9.9}{40}$$

$$\frac{3.1}{40} \left| \frac{10.4}{C.1.7} \right.$$

0.0

$$\frac{5.0}{C.7.3} \left| \frac{41.6}{41.6} \right.$$

$$\frac{5.0}{40} \frac{5.4}{35} \frac{12.5}{28} \frac{12.9}{15} 12.3$$

$$\frac{12.8}{8} \frac{13.8}{12} \frac{12.3}{14.5} \frac{12.8}{30} \frac{13.0}{40}$$

$$\frac{5.0}{80} \left| \frac{12.2}{F.0.9} \right.$$

(50' Roadway)

$$\frac{12.2}{C.6.5} \left| \frac{43.4}{43.4} \right.$$

$$\frac{11.6}{40} \frac{12.2}{30} \frac{12.6}{20} \frac{12.9}{13} 12.8$$

$$\frac{12.5}{60} \frac{12.5}{14.6} \frac{12.8}{23} \frac{12.8}{30} \frac{12.8}{40}$$

$$\frac{12.2}{33} \left| \frac{12.2}{F.0.5} \right.$$

$$\frac{11.7}{40} \frac{12.2}{30} \frac{12.8}{20} \frac{13.1}{13} 13.0$$

$$\frac{12.7}{60} \frac{12.7}{15} \frac{12.8}{24} \frac{12.8}{30} \frac{12.8}{40}$$

Station	+	H.I	-	Elev	Gr Rod
22+00		1021.66			5.4
+50					5.8
+75					
23+00					5.9
+10					
+50					5.4
+95					
24+00					5.7
+50					5.9
25+00					6.3
+50					5.7
26+00					5.3
+17					
+50					
+75					
27+00					6.7

$$\frac{3.1}{F0.6} \bigg| \frac{19.2}{19.2}$$

50.

$$\frac{18.84}{40} \frac{2.3}{36} \frac{2.3}{22} \frac{3.1}{13} 2.5 \frac{2.8}{7} \frac{2.7}{14} \frac{7.6}{23} \frac{7.4}{30} \frac{4.1}{40} \frac{2.1}{19} \frac{4.1}{19}$$

12/12/33

$$\frac{3.4}{F0.5} \bigg| \frac{19.0}{19.0}$$

$$\frac{5.6}{40} \frac{5.3}{27} \frac{3.3}{22} \frac{3.3}{12} 2.9 \frac{3.3}{7} \frac{3.2}{13} \frac{4.2}{16.8} \frac{2.9}{27} \frac{2.0}{40} 0.0 \frac{2.0}{19} \frac{4.1}{F1.2}$$

00

$$\frac{2.1}{G1.0} \bigg| \frac{29.0}{29.0}$$

$$\frac{2.1}{40} \frac{2.1}{30} \frac{2.4}{23} \frac{3.2}{22} \frac{3.5}{15} 3.1 \frac{3.4}{6} \frac{3.4}{14} \frac{2.9}{30} \frac{2.0}{40} \frac{2.1}{19} \frac{2.8}{G0.3}$$

00

$$\frac{1.4}{C2.2} \bigg| \frac{31.4}{31.4}$$

$$\frac{1.1}{40} \frac{1.4}{30} \frac{2.1}{23} \frac{4.5}{20} \frac{3.9}{15} 3.6 \frac{4.0}{6} \frac{4.2}{13} \frac{7.1}{22} \frac{2.4}{30} \frac{2.3}{40} F4.1 \frac{2.5}{19} \frac{7.3}{F3.7}$$

00

$$\frac{4.0}{F0.1} \bigg| \frac{18.2}{18.2}$$

$$\frac{2.5}{40} \frac{3.9}{30} \frac{4.8}{26} \frac{5.1}{23} \frac{4.0}{16} 3.9 \frac{4.1}{5} \frac{4.4}{13} \frac{10.8}{24} \frac{11.6}{30} \frac{11.9}{40} \frac{8.0}{41.0} \frac{33.6}{11.7} \frac{11.7}{F7.8}$$

$$\frac{4.1}{0.0} \bigg| \frac{18}{18}$$

$$F5.6 \bigg| \frac{36.2}{36.2}$$

$$\frac{2.6}{40} \frac{9.9}{30.5} \frac{4.4}{22.6} \frac{4.2}{13} 4.1 \frac{4.5}{6} \frac{4.7}{13} \frac{12.5}{27} \frac{13.6}{40} \frac{19.0}{42.0} \frac{36.8}{13.5} \frac{13.5}{F9.4}$$

$$\frac{11.2}{F6.7} \bigg| \frac{31.4}{31.4}$$

$$F6.6 \bigg| \frac{37.8}{37.8}$$

$$\frac{11.3}{40} \frac{11.2}{31.5} \frac{4.9}{23} \frac{4.6}{14} 4.5 \frac{4.7}{5} \frac{5.0}{13} \frac{11.9}{24} \frac{14.2}{40} F9.3 \frac{37.0}{43.6} \frac{14.0}{F9.5}$$

$$\frac{5.0}{F0.4} \bigg| \frac{18.8}{18.8}$$

$$F6.4 \bigg| \frac{37.8}{37.8}$$

$$\frac{11.4}{40} \frac{11.9}{31.8} \frac{5.1}{22} \frac{4.8}{15} 4.6 \frac{4.9}{5} \frac{5.4}{15} \frac{11.6}{24} \frac{13.5}{40} F8.9 \frac{34.6}{42.8} \frac{12.9}{F8.3}$$

$$\frac{9.0}{40} \frac{8.4}{37} \frac{4.7}{31} \frac{4.5}{20} 4.2 \frac{4.4}{9} \frac{4.5}{14} \frac{10.6}{30} \frac{12.0}{40} F7.6 \frac{31.4}{40.2} \frac{10.9}{F6.7}$$

$$\frac{4.5}{40} \frac{4.5}{30} \frac{4.4}{20} \frac{4.2}{10} 4.0 \frac{4.1}{10} \frac{4.1}{20} \frac{3.9}{30} \frac{3.6}{40}$$

$$\frac{4.6}{40} \frac{4.5}{30} \frac{4.4}{20} \frac{4.4}{10} 4.3 \frac{4.3}{10} \frac{4.2}{20} \frac{4.1}{30} \frac{3.8}{40}$$

$$\frac{3.8}{40} \frac{3.8}{38} \frac{4.8}{32} \frac{6.8}{28} \frac{5.2}{14} \frac{5.2}{18} 4.6 \frac{4.3}{5} \frac{5.2}{15} \frac{10.2}{22} \frac{12.0}{40}$$

10

$$\frac{5.5}{F0.1} \bigg| \frac{10.4}{10.4}$$

$$F0.7 \bigg| \frac{26.4}{26.4}$$

$$\frac{4.0}{40} \frac{4.0}{38} \frac{7.0}{32} \frac{7.0}{28} \frac{5.4}{14} \frac{5.4}{16} 4.8 \frac{4.9}{5} \frac{5.0}{15} \frac{10.0}{22} \frac{11.8}{40} F6.4 \frac{30.8}{37.8} \frac{11.2}{F6.4}$$

Registon St.

Sta	+	H.I	-	ELEV	Gr Rd
27+50		1021.64			6.1

28+00					5.3
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+50					3.6
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29+00					1.0
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T.P.	13.22	1033.99	0.89	1020.77	
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+50					7.7
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+60					
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30+00					3.95
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+50					
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T.P.	13.73	1047.32	0.40	1033.59	13.7
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31+00					
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+50					18.3
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32+00					16.6
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+50					
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T.P.	13.26	1060.34	0.24	1047.08	
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33+00					
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+50					
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5.7 ~~19.6~~ $\frac{F 0.8}{26.6}$ $\frac{34}{40}$ $\frac{24}{35}$ $\frac{7.8}{29}$ $\frac{7.8}{27}$ $\frac{5.7}{23}$ $\frac{5.0}{15}$ 4.3 $\frac{4.5}{5}$ $\frac{4.5}{16}$ $\frac{9.2}{25}$ $\frac{10.9}{40}$ $\frac{F 5.7}{31.5}$ $\frac{9.6}{F 6.3}$

~~9.8~~ $\frac{F 3.7}{32.4}$ $\frac{7.0}{40}$ $\frac{2.7}{29}$ $\frac{3.8}{23}$ $\frac{3.8}{15}$ 3.4 $\frac{2.7}{6}$ $\frac{3.6}{15}$ $\frac{9.2}{24}$ $\frac{9.6}{40}$ $\frac{F 5.8}{36.6}$ ~~9.6~~

$\frac{2.3}{F 0.5}$ $\frac{F 6.4}{37.8}$ $\frac{8.6}{40}$ $\frac{7.6}{31}$ $\frac{2.4}{23}$ $\frac{2.4}{15}$ 1.8 $\frac{2.1}{6}$ $\frac{2.1}{15}$ $\frac{6.8}{22}$ $\frac{7.5}{30}$ $\frac{7.5}{40}$ $\frac{F 5.5}{36.0}$ ~~7.2~~

$\frac{0.0}{F 0.8}$ $\frac{F 6.6}{38.2}$ $\frac{8.6}{40}$ $\frac{5.4}{29}$ $\frac{-0.0}{23}$ $\frac{+0.4}{15}$ $+0.8$ $\frac{+0.4}{6}$ $\frac{+0.4}{18}$ $\frac{3.1}{23}$ $\frac{3.0}{30}$ $\frac{3.0}{40}$ $\frac{F 3.7}{34.0}$ $\frac{3.1}{F 3.9}$

$\frac{8.4}{F 0.3}$ $\frac{F 4.3}{33.6}$ $\frac{13.7}{40}$ $\frac{12.4}{29}$ $\frac{8.6}{23}$ $\frac{8.3}{15}$ 8.1 $\frac{8.4}{5}$ $\frac{8.7}{19}$ $\frac{10.1}{23}$ $\frac{10.6}{30}$ $\frac{10.8}{40}$ $\frac{3}{10}$ $\frac{8.7}{F 9.6}$

$\frac{5.1}{F 0.9}$ $\frac{8.0}{40}$ $\frac{7.6}{34}$ $\frac{5.4}{28}$ $\frac{4.8}{15}$ 4.2 $\frac{4.6}{6}$ $\frac{5.0}{19.2}$ $\left(\frac{11.5}{25.6}\right)$ $\frac{11.5}{40}$ $\frac{3}{10}$ $\frac{11.5}{0.0}$

$\frac{12.4}{F 6.0}$ $\frac{12.8}{40}$ $\frac{13.5}{35}$ $\left(\frac{0.0}{21}\right)$ $\frac{1.4}{27}$ $\frac{0.7}{14}$ 0.4 $\frac{0.7}{6}$ $\frac{0.8}{20}$ $\left(\frac{3.7}{31}\right)$ $\frac{3.2}{40}$ $\left(\frac{4.8}{10}\right)$ $\frac{2.9}{0.8}$

$\frac{4.1}{F 5.7}$ $\frac{4.1}{40}$ $\frac{4.4}{30}$ $\frac{10.7}{27}$ $\frac{10.5}{14}$ 9.8 $\frac{10.4}{8}$ $\frac{10.3}{21}$ $\frac{3.3}{27.8}$ $\frac{2.5}{40}$ $\frac{4.1}{10}$ $\frac{2.4}{0.7.4}$

$\frac{9.4}{F 8.9}$ $\frac{9.6}{40}$ $\frac{10.2}{34}$ $\left(\frac{6.7}{25}\right)$ $\frac{6.5}{13}$ 6.3 $\frac{6.8}{8}$ $\frac{7.0}{19}$ $\left(\frac{12.0}{26}\right)$ $\frac{12.2}{40}$ $\frac{3.9}{10}$ $\frac{12.2}{0.6.1}$

$\frac{6.5}{F 9.6}$ $\frac{6.8}{40}$ $\frac{7.2}{33}$ $\left(\frac{3.1}{24}\right)$ $\frac{3.2}{11.0}$ 3.1 $\frac{3.5}{9}$ $\frac{3.6}{20}$ $\left(\frac{9.5}{28}\right)$ $\frac{9.7}{40}$ $\frac{8.8}{10}$ $\frac{9.7}{0.6.4}$

$\frac{5.7}{F 7.3}$ $\frac{5.6}{40}$ $\frac{6.2}{31}$ $\frac{13.7}{23}$ $\frac{13.6}{13}$ 13.0 $\frac{13.2}{9}$ $\frac{13.3}{19}$ $\frac{9.2}{24}$ $\frac{7.7}{29}$ $\frac{7.9}{40}$ $\frac{3.7}{10}$ $\frac{7.9}{0.5.1}$

$\frac{8.2}{F 1.6}$ $\frac{4.8}{40}$ $\frac{4.5}{29}$ $\frac{10.5}{22}$ $\frac{10.5}{12}$ 9.8 $\frac{10.2}{9}$ $\frac{10.6}{20}$ $\frac{7.5}{22.5}$ $\frac{6.9}{26.2}$ $\frac{6.5}{40}$ $\frac{3.3}{10}$ $\frac{6.5}{0.3.3}$

$\frac{3.8}{F 3.3}$ $\frac{2.7}{40}$ $\frac{3.7}{23}$ $\frac{7.8}{11}$ 7.0 $\frac{7.4}{11}$ $\frac{7.9}{21}$ $\frac{3.7}{23}$ $\frac{4.0}{30}$ $\frac{4.4}{40}$ $\frac{3.2}{10}$ $\frac{7.2}{0.2.8}$

5+9 + H.I - Eley Grd
34+00 1060.34 6.1

+50

35+00

T.P. 6.94 1065.73 0.55 1059.79

+50

36+00

+50

37+00

B.M. 3.09 1062.64 953.50

+50

38+00

+50

39+00

+50

B.M. 3.14 1061.60 7.27 1058.46 949.65

40+00

$$\frac{17}{2.8} \bigg| \frac{16}{36.6}$$

50.

$$\frac{1.7}{40} \frac{2.1}{22.5} \frac{5.1}{19} \frac{4.7}{11} 4.5 \frac{5.9}{13} \frac{5.4}{23} \frac{1.5}{25} \frac{2.0}{40}$$

12/12/33

$$\frac{1.6}{2.9}$$

$$\frac{5.8}{2.2} \bigg| \frac{13.4}{31.4}$$

$$\frac{5.4}{40} \frac{0.9}{21} \frac{2.6}{19} \frac{2.5}{11} 2.1 \frac{2.5}{12} \frac{2.8}{23} \frac{5.3}{25} \frac{5.4}{40}$$

$$\frac{4.9}{2.9}$$

$$\frac{4.9}{2.1} \bigg| \frac{2.8}{29.8}$$

$$\frac{4.7}{40} \frac{4.9}{30} \frac{5.0}{20} \frac{1.0}{19} \frac{0.9}{11} 0.5 \frac{0.9}{12} \frac{1.1}{23} \frac{3.0}{26} \frac{3.8}{29} \frac{4.8}{40}$$

$$\frac{4.1}{2.9}$$

$$\frac{3.5}{2.1} \bigg| \frac{1.0}{21.0}$$

$$\frac{3.4}{40} \frac{3.7}{25} \frac{2.7}{21} \frac{5.4}{19} \frac{5.2}{10} 5.0 \frac{5.3}{11} \frac{5.6}{23} \frac{2.5}{27} \frac{4.0}{32} \frac{4.7}{40}$$

$$\frac{5.4}{2.1}$$

$$\frac{2.8}{2.1} \bigg| \frac{2.8}{21.8}$$

$$\frac{2.6}{40} \frac{2.9}{24} \frac{2.1}{21} \frac{5.0}{19} \frac{4.7}{11} 4.2 \frac{4.6}{12} \frac{5.0}{24} \frac{2.5}{27} \frac{3.5}{31} \frac{3.9}{40}$$

$$\frac{2.7}{2.1}$$

$$\frac{4.1}{2.0} \bigg| \frac{1.1}{2.0}$$

$$\frac{3.8}{40} \frac{4.3}{23} \frac{3.5}{21} \frac{3.7}{16} \frac{5.0}{13} \frac{4.4}{10} 4.1 \frac{4.7}{12} \frac{5.1}{24} \frac{3.4}{28} \frac{4.2}{33} \frac{4.5}{40}$$

$$\frac{5.1}{2.5}$$

$$\frac{4.8}{2.0} \bigg| \frac{2.8}{20.8}$$

$$\frac{4.5}{40} \frac{4.9}{23} \frac{4.2}{20} \frac{4.9}{19} \frac{4.9}{14} \frac{4.4}{10} 4.2 \frac{4.7}{11} \frac{5.4}{15} \frac{5.4}{27} \frac{4.6}{28} \frac{5.4}{31} \frac{5.4}{40}$$

$$\frac{5.4}{2.5}$$

stake nailed to Tel. Pole 20 ft Rt of 37+50

$$\frac{4.1}{2.0} \bigg| \frac{2.8}{20.8}$$

$$\frac{4.0}{40} \frac{4.6}{23} \frac{3.8}{20} \frac{5.0}{19} \frac{4.9}{10} 4.5 \frac{4.8}{11} \frac{5.3}{15} \frac{5.7}{27} \frac{4.5}{28} \frac{5.1}{33} \frac{5.2}{40}$$

$$\frac{5.8}{2.4}$$

$$\frac{3.9}{2.0} \bigg| \frac{2.8}{20.8}$$

$$\frac{3.8}{40} \frac{3.9}{23} \frac{3.1}{18} \frac{5.4}{14} \frac{4.8}{10} 4.8 \frac{5.4}{11} \frac{5.8}{20} \frac{6.2}{27} \frac{5.1}{28} \frac{6.0}{40}$$

$$\frac{6.0}{2.4}$$

$$\frac{5.5}{2.0} \bigg| \frac{2.0}{20.0}$$

$$\frac{5.4}{40} \frac{5.4}{30} \frac{5.7}{20} \frac{5.4}{16} \frac{6.0}{14} \frac{5.2}{10} 5.0 \frac{5.5}{11} \frac{6.7}{23} \frac{6.2}{25} \frac{6.3}{28} \frac{6.8}{30} \frac{7.1}{40}$$

$$\frac{6.3}{2.4}$$

$$\frac{4.9}{2.0} \bigg| \frac{2.8}{20.8}$$

$$\frac{4.5}{40} \frac{4.6}{25} \frac{4.1}{23} \frac{4.4}{18} \frac{6.4}{15} \frac{5.9}{10} 5.7 \frac{6.4}{12} \frac{6.7}{19} \frac{6.7}{23} \frac{5.4}{24} \frac{6.7}{30} \frac{7.3}{40}$$

$$\frac{5.4}{2.7}$$

$$\frac{5.4}{2.1} \bigg| \frac{2.4}{21.4}$$

$$\frac{6.0}{40} \frac{5.5}{30} \frac{5.8}{17} \frac{7.0}{15} \frac{6.7}{10} 6.8 \frac{7.2}{12} \frac{7.7}{22} \frac{6.9}{24} \frac{7.1}{26} \frac{2.8}{40}$$

$$\frac{7.2}{2.6}$$

stake nailed to Tel Pole 20 ft Rt of 40+30

$$\frac{2.4}{2.0} \bigg| \frac{2.4}{20.4}$$

$$\frac{2.5}{40} \frac{2.9}{24} \frac{2.5}{21} \frac{2.5}{17} \frac{3.5}{15} \frac{3.0}{10} 3.1 \frac{3.7}{12} \frac{4.0}{21} \frac{3.5}{23} \frac{4.3}{40}$$

$$\frac{3.7}{2.5}$$

Sta + H.I - Elev Grd

40+50

BM -

1058.46

1.20 1059.66

41+00

+50

42+00

+50

43+00

+50

44+00

+50

45+00

+50

46+00

50.

C

x10! R 12/12/33

$$\begin{array}{r} 2.5 \\ \hline C.O.8 \end{array} \bigg| 28.6$$

$$\begin{array}{cccccc} 2.1 & 3.0 & 2.4 & 2.9 & 4.1 & 3.6 \\ 40 & 24 & 21 & 17 & 15 & 10 \end{array} \quad 3.3$$

$$\begin{array}{cccccc} 3.9 & 4.6 & 3.7 & 4.5 & 5.4 \\ 12 & 21 & 23 & 26 & 40 \end{array}$$

$$\begin{array}{r} 2.5 \\ \hline D.C.0.4 \end{array} \bigg| 4.2$$

12/13/33

Stake nailed to Tel. Pole 2 of R to of 40+30

$$\begin{array}{r} 1.4 \\ \hline C.O.5 \end{array} \bigg| 28.0$$

$$\begin{array}{cccccc} 1.3 & 1.6 & 1.0 & 1.0 & 2.8 & 2.0 \\ 40 & 25 & 23 & 20 & 18 & 10 \end{array} \quad 1.9$$

$$\begin{array}{cccccc} 2.4 & 3.0 & 2.6 & 3.0 & 3.7 \\ 12 & 21 & 22 & 24 & 40 \end{array}$$

$$\begin{array}{r} 2.48 \\ \hline D.C.0.4 \end{array} \bigg| 3.0$$

$$\begin{array}{r} 2.9 \\ \hline D.C.1.0 \end{array} \bigg| 26.0$$

$$\begin{array}{cccccc} 2.1 & 2.9 & 1.8 & 1.8 & 3.0 & 2.4 \\ 40 & 25 & 22 & 20 & 19 & 11 \end{array} \quad 2.3$$

$$\begin{array}{cccccc} 2.9 & 3.8 & 3.5 & 4.8 & 6.2 \\ 12 & 16 & 21 & 25 & 40 \end{array}$$

$$\begin{array}{r} 2.4 \\ \hline F.1.2 \end{array} \bigg| 3.5$$

$$\begin{array}{r} 1.8 \\ \hline C.O.1.0 \end{array} \bigg| 29.0$$

$$\begin{array}{cccccc} 2.3 & 1.8 & 1.3 & 3.6 & 2.9 \\ 40 & 24 & 19 & 18 & 11 \end{array} \quad 2.8$$

$$\begin{array}{cccccc} 3.4 & 3.9 & 3.5 & 4.5 & 6.0 \\ 12 & 15 & 11.6 & 25 & 40 \end{array}$$

$$\begin{array}{r} 2.0 \\ \hline F.0.7 \end{array} \bigg| 3.5$$

$$\begin{array}{r} 2.6 \\ \hline C.O.8 \end{array} \bigg| 28.6$$

$$\begin{array}{cccccc} 2.4 & 2.7 & 1.6 & 2.0 & 4.1 & 3.7 \\ 40 & 25 & 20 & 19 & 12 \end{array} \quad 3.4$$

$$\begin{array}{cccccc} 3.8 & 4.3 & 3.3 & 5.4 \\ 11 & 20 & 21 & 40 \end{array}$$

$$\begin{array}{r} 2.6 \\ \hline D.C.1.0 \end{array} \bigg| 3.9$$

$$\begin{array}{r} 3.2 \\ \hline C.O.8 \end{array} \bigg| 28.6$$

$$\begin{array}{cccccc} 3.2 & 3.4 & 2.4 & 2.5 & 4.9 & 4.4 \\ 40 & 27 & 25 & 20 & 19 & 12 \end{array} \quad 4.0$$

$$\begin{array}{cccccc} 4.6 & 5.1 & 4.4 & 5.3 \\ 11 & 20 & 21 & 40 \end{array}$$

$$\begin{array}{r} 2.5 \\ \hline D.C.0.7 \end{array} \bigg| 4.8$$

$$\begin{array}{r} 3.3 \\ \hline C.1.5 \end{array} \bigg| 30.0$$

$$\begin{array}{cccccc} 3.1 & 3.5 & 3.1 & 5.4 & 5.0 \\ 40 & 25 & 21 & 19 & 12 \end{array} \quad 4.8$$

$$\begin{array}{cccccc} 5.4 & 5.8 & 4.9 & 6.0 \\ 11 & 18 & 21 & 40 \end{array}$$

$$\begin{array}{r} 2.6 \\ \hline D.C.1.3 \end{array} \bigg| 5.0$$

$$\begin{array}{r} 3.8 \\ \hline C.1.8 \end{array} \bigg| 30.6$$

$$\begin{array}{cccccc} 3.7 & 3.8 & 3.4 & 6.4 & 5.9 \\ 40 & 30 & 21 & 19 & 12 \end{array} \quad 5.6$$

$$\begin{array}{cccccc} 6.1 & 6.5 & 5.4 & 5.7 & 6.5 \\ 10 & 16 & 17 & 25 & 40 \end{array}$$

$$\begin{array}{r} 2.6 \\ \hline D.C.1.2 \end{array} \bigg| 5.9$$

$$\begin{array}{r} 4.4 \\ \hline C.2.0 \end{array} \bigg| 31.0$$

$$\begin{array}{cccccc} 4.7 & 4.9 & 5.1 & 7.2 & 7.1 \\ 40 & 30 & 23 & 22 & 12 \end{array} \quad 6.8$$

$$\begin{array}{cccccc} 7.3 & 7.8 & 7.4 & 7.2 & 7.4 \\ 11 & 16 & 17 & 24 & 40 \end{array}$$

$$\begin{array}{r} 2.6 \\ \hline D.C.1.0 \end{array} \bigg| 7.2$$

$$\begin{array}{r} 8.0 \\ \hline 0.0 \end{array} \bigg| 27.0$$

$$\begin{array}{cccccc} 7.7 & 8.0 & 7.9 & 7.9 \\ 40 & 30 & 20 & 12 \end{array} \quad 8.0$$

$$\begin{array}{cccccc} 8.5 & 9.3 & 9.8 & 9.7 \\ 10 & 20 & 30 & 40 \end{array}$$

$$\begin{array}{r} 2.0 \\ \hline F.1.7 \end{array} \bigg| 9.4$$

$$\begin{array}{r} 8.9 \\ \hline 0.0 \end{array} \bigg| 27.0$$

$$\begin{array}{cccccc} 8.1 & 8.6 & 9.1 & 9.7 & 9.0 \\ 40 & 30 & 21 & 18 & 12 \end{array} \quad 8.9$$

$$\begin{array}{cccccc} 9.3 & 9.3 & 12.5 & 12.4 & 12.6 \\ 10 & 16 & 20 & 30 & 40 \end{array}$$

$$\begin{array}{r} 2.5 \\ \hline F.3.6 \end{array} \bigg| 12.5$$

$$\begin{array}{r} 10.7 \\ \hline D.C.0.3 \end{array} \bigg| 24.6$$

$$\begin{array}{cccccc} 10.9 & 10.8 & 10.4 & 11.6 & 10.2 & 10.1 \\ 40 & 30 & 25 & 21 & 18 & 13 \end{array} \quad 9.5$$

$$\begin{array}{cccccc} 9.9 & 9.6 & 12.9 & 13.4 & 12.5 \\ 10 & 15 & 20 & 30 & 40 \end{array}$$

$$\begin{array}{r} 2.5 \\ \hline F.3.6 \end{array} \bigg| 13.1$$

5+9 + H.I - Eley Grid
46+50 1058.46

47+00

T.P. 8.06 1062.07 5.65 1054.01

+50

+65

48+00

+50

49+00

+50

50+00

+50

51+00

+50

52+00

+40

L C R 12/13/33

So, No.

$$\frac{15.0}{F4.9} \left| \frac{2.78}{2.78} \right|$$

$$\frac{15.1}{40} \frac{14.7}{24.6} \frac{13.7}{18} \frac{10.6}{12} \frac{10.1}{10.1}$$

$$\frac{10.3}{9} \frac{10.2}{16} \frac{14.6}{22} \frac{15.5}{30} \frac{15.2}{40} \frac{28.5}{5} \left| \frac{15.4}{F5.3} \right|$$

$$\frac{16.7}{F6.0} \left| \frac{30.0}{30.0} \right|$$

$$\frac{15.7}{40} \frac{15.5}{25.6} \frac{10.1}{17} \frac{10.2}{12} \frac{9.7}{9.7}$$

$$\frac{10.2}{9} \frac{9.9}{15} \frac{14.2}{21.6} \frac{15.0}{30} \frac{14.5}{40} \frac{27.8}{5} \left| \frac{12.6}{F4.9} \right|$$

$$\frac{14.7}{F3.5} \left| \frac{25.0}{25.0} \right|$$

$$\frac{15.4}{40} \frac{15.5}{31} \frac{14.1}{24} \frac{11.6}{18} \frac{11.6}{12} \frac{11.2}{11.2}$$

$$\frac{11.4}{9} \frac{11.2}{16} \frac{13.8}{19.2} \frac{14.0}{26} \frac{14.8}{40} \frac{23.6}{5} \left| \frac{14.0}{F2.8} \right|$$

$$\frac{10.2}{D6.09} \left| \frac{25.8}{25.8} \right|$$

$$\frac{11.7}{40} \frac{11.1}{30} \frac{10.6}{20} \frac{10.4}{12} \frac{10.1}{10.1}$$

$$\frac{10.5}{10} \frac{11.0}{16} \frac{8.3}{19} \frac{8.6}{26} \frac{9.1}{40} \frac{23.4}{5} \left| \frac{8.9}{C1.2} \right|$$

$$\frac{9.8}{D6.11} \left| \frac{26.2}{26.2} \right|$$

$$\frac{10.0}{40} \frac{9.7}{30} \frac{9.9}{12} \frac{9.4}{9.4}$$

$$\frac{9.6}{10} \frac{9.9}{23} \frac{6.5}{25} \frac{6.6}{40} \frac{22.6}{5} \left| \frac{6.6}{C2.8} \right|$$

$$\frac{7.5}{C1.2} \left| \frac{29.4}{29.4} \right|$$

$$\frac{7.9}{40} \frac{8.0}{33} \frac{7.4}{27} \frac{9.7}{25} \frac{9.2}{12} \frac{8.7}{8.7}$$

$$\frac{9.1}{10} \frac{9.4}{21} \frac{5.2}{25} \frac{5.3}{40} \frac{33.2}{5} \left| \frac{5.6}{C2.1} \right|$$

$$\frac{6.0}{C2.1} \left| \frac{31.2}{31.2} \right|$$

$$\frac{5.7}{40} \frac{6.0}{29} \frac{8.8}{24} \frac{8.6}{12} \frac{8.1}{8.1}$$

$$\frac{8.4}{11} \frac{8.5}{22} \frac{4.4}{28} \frac{4.3}{40} \frac{33.8}{5} \left| \frac{4.7}{C3.4} \right|$$

$$\frac{4.8}{C3.6} \left| \frac{34.2}{34.2} \right|$$

2.6

$$\frac{4.7}{40} \frac{4.7}{29} \frac{8.0}{23} \frac{7.9}{12} \frac{7.4}{7.4}$$

$$\frac{7.7}{11} \frac{7.6}{23} \frac{3.9}{29} \frac{3.7}{40} \frac{39.2}{5} \left| \frac{3.8}{C3.6} \right|$$

$$\frac{4.6}{C2.1} \left| \frac{31.2}{31.2} \right|$$

$$\frac{4.6}{40} \frac{4.4}{29} \frac{7.5}{23} \frac{7.2}{12} \frac{6.6}{6.6}$$

$$\frac{7.1}{11} \frac{7.3}{23} \frac{3.9}{29} \frac{4.4}{30} \frac{4.0}{40} \frac{31.6}{5} \left| \frac{4.3}{C2.3} \right|$$

$$\frac{4.5}{C1.8} \left| \frac{30.6}{30.6} \right|$$

$$\frac{4.7}{40} \frac{4.2}{29} \frac{6.8}{23} \frac{6.5}{11} \frac{6.3}{6.3}$$

$$\frac{6.9}{11} \frac{7.4}{23} \frac{4.1}{30} \frac{3.9}{40} \frac{31.4}{5} \left| \frac{4.1}{C2.2} \right|$$

$$\frac{4.7}{C1.7} \left| \frac{30.4}{30.4} \right|$$

$$\frac{4.6}{40} \frac{4.6}{29} \frac{6.8}{23} \frac{6.6}{11} \frac{6.4}{6.4}$$

$$\frac{6.8}{12} \frac{7.0}{24} \frac{4.0}{29} \frac{3.4}{40} \frac{32.2}{5} \left| \frac{3.8}{C2.6} \right|$$

$$\frac{5.4}{C1.0} \left| \frac{29.0}{29.0} \right|$$

$$\frac{5.2}{40} \frac{5.4}{28} \frac{7.0}{22} \frac{6.8}{11} \frac{6.4}{6.4}$$

$$\frac{6.7}{12} \frac{6.9}{23} \frac{4.3}{29} \frac{3.8}{40} \frac{31.4}{5} \left| \frac{4.2}{C2.2} \right|$$

$$\frac{5.9}{C0.3} \left| \frac{27.6}{27.6} \right|$$

$$\frac{5.8}{40} \frac{5.4}{30} \frac{6.0}{28} \frac{6.6}{22} \frac{6.1}{12} \frac{6.2}{6.2}$$

$$\frac{6.6}{13} \frac{6.8}{23} \frac{4.3}{26} \frac{4.1}{40} \frac{30.8}{5} \left| \frac{4.3}{C1.9} \right|$$

Sta + H.I. - Elev Gr Rd
 52+50 1062.07

+70

+85

53+00

+50

B.M.

0.19 1050.30 11.96 1050.11 941.33

54+00

+50

55+00

T.P.

0.65 1037.66 13.29 1037.01

+50

15.8

56+00

+50

B.M.

0.62 1024.65 13.63 1024.03 915.27

So. L C R No. 12/13/33 10.

$\frac{7.4}{40} \frac{7.4}{30} \frac{7.0}{21} \frac{6.6}{14} 6.2 \frac{6.8}{13} \frac{7.4}{20} \frac{6.9}{30} \frac{7.1}{40}$

$\frac{7.0}{40} \frac{6.8}{30} \frac{6.7}{20} \frac{6.5}{10} 6.4 \frac{6.8}{10} \frac{7.2}{20} \frac{7.5}{30} \frac{7.7}{40}$

$\frac{7.8}{40} \frac{7.7}{30} \frac{7.6}{20} \frac{7.0}{10} 7.1 \frac{7.5}{12} \frac{8.0}{20} \frac{8.4}{30} \frac{8.4}{40}$

$\frac{5.5}{C2.8} \frac{1}{3.2} B \frac{5.9}{40} \frac{5.6}{29} \frac{6.9}{23} \frac{8.7}{12} 8.3 \frac{9.0}{12} \frac{8.5}{24} \frac{4.1}{34} \frac{4.2}{40} B \frac{14.6}{C6.03} \frac{9.5}{1}$

$\frac{5.5}{C7.0} \frac{1}{3.5} B \frac{5.5}{40} \frac{5.5}{31} \frac{13.5}{23} \frac{13.0}{12} 12.5 \frac{13.2}{12} \frac{13.4}{23} \frac{4.6}{34} \frac{4.4}{40} B \frac{39.2}{C8.1} \frac{7.4}{1}$

Stake nailed to Power Pole 25' R+ of 53+70

$\frac{C10.9}{13.5} B \frac{6.2}{40} \frac{5.9}{34} \frac{5.6}{21} \frac{4.9}{11} 4.5 \frac{5.0}{11} \frac{5.2}{22} \frac{5.2}{37} \frac{5.2}{40} B \frac{14.1}{C11.4} \frac{7.4}{1}$

$\frac{C12.0}{12} B \frac{7.1}{40} \frac{6.9}{31} \frac{9.1}{22} \frac{8.8}{12} 8.4 \frac{8.9}{11} \frac{9.0}{23} \frac{8.6}{37} \frac{8.8}{40} B \frac{42.6}{C10.4} \frac{7.4}{1}$

$\frac{C14.2}{48.3} B \frac{9.7}{50} \frac{10.1}{41} \frac{12.9}{24} \frac{12.6}{13} 12.1 \frac{12.5}{12} \frac{13.3}{24} \frac{4.6}{37} \frac{5.2}{40} B \frac{37.7}{C7.1} \frac{5.0}{1}$

$\frac{5.8}{C10.0} \frac{1}{42.0} B \frac{6.1}{40} \frac{6.6}{38} \frac{4.2}{24} \frac{3.9}{12} 3.2 \frac{2.7}{11} \frac{4.5}{25.6} \frac{0.2}{34} \frac{0.3}{40} B \frac{14.1}{C6.00} \frac{4.7}{1}$

$\frac{8.1}{DC.06} \frac{1}{27.5} B \frac{3.3}{40} \frac{3.7}{38} \frac{8.0}{28} \frac{7.5}{13} 7.2 \frac{7.6}{8} \frac{7.8}{15} \frac{8.0}{20} \frac{7.7}{23} \frac{8.6}{27} \frac{8.4}{40} B \frac{14.1}{C5.7} \frac{7.7}{1}$

$\frac{12.3}{DC.05} \frac{1}{24.8} B \frac{12.3}{40} \frac{11.7}{35} \frac{11.8}{20} \frac{11.8}{11} 11.3 \frac{11.5}{8} \frac{11.8}{17} \frac{2.6}{26} \frac{5.1}{40} B \frac{28.8}{C5.4} \frac{3.3}{1}$

Stake nailed to Gd Rail Post 12' R+ of 56+90

Sta + H.I. — Elev G.Rd

247

1024.03

57+00

0.7

57+50

4.5

58+00

1.0

+50

5.1

59+00

0.4

+50

4.1

60+00

1.6

+50

4.5

61+00

6.2

+50

7.5

62+00

9.1

+50

4.4

12-14-33
So. Side C R No Side Cold & Windy

$$\begin{array}{r} F. 5.1 \\ \hline 28.2 \end{array}$$

$$\begin{array}{r} F. 11.2 \\ \hline 40.4 \end{array}$$

$$\begin{array}{r} F. 10.2 \\ \hline 38.4 \end{array}$$

$$\begin{array}{r} F. 7.8 \\ \hline 33.6 \end{array}$$

$$\begin{array}{r} F. 11.2 \\ \hline 40.4 \end{array}$$

$$\begin{array}{r} F. 6.6 \\ \hline 31.2 \end{array}$$

$$\begin{array}{r} F. 10.7 \\ \hline 39.4 \end{array}$$

$$\begin{array}{r} F. 6.8 \\ \hline 31.6 \end{array}$$

$$\begin{array}{r} F. 11.0 \\ \hline 40.0 \end{array}$$

$$\begin{array}{r} F. 10.2 \\ \hline 38.4 \end{array}$$

$$\begin{array}{r} F. 10.4 \\ \hline 38.8 \end{array}$$

$$\begin{array}{r} F. 10.0 \\ \hline 38.0 \end{array}$$

$$\begin{array}{r} F. 9.4 \\ \hline 36.8 \end{array}$$

$$\begin{array}{r} F. 9.3 \\ \hline 36.6 \end{array}$$

$$\begin{array}{r} F. 6.8 \\ \hline 31.6 \end{array}$$

$$\begin{array}{r} F. 7.2 \\ \hline 32.4 \end{array}$$

$$\begin{array}{r} F. 4.4 \\ \hline 26.8 \end{array}$$

$$\begin{array}{r} F. 5.3 \\ \hline 28.6 \end{array}$$

$$\begin{array}{r} F. 3.3 \\ \hline 24.6 \end{array}$$

$$\begin{array}{r} F. 3.9 \\ \hline 25.8 \end{array}$$

$$\begin{array}{r} F. 2.5 \\ \hline 23.0 \end{array}$$

$$\begin{array}{r} F. 3.1 \\ \hline 24.2 \end{array}$$

$$\begin{array}{r} F. 2.2 \\ \hline 22.4 \end{array}$$

$$\begin{array}{r} F. 3.3 \\ \hline 24.6 \end{array}$$

Stg + H.1 - Elev Gr Rd

63+00 4.9

+50 5.1

64+00 4.6

+50 3.3

65+00 2.5

+50 1.8

~~66+~~
66+00 4.4

+50 4.2

67+00 4.3

+50 4.4

68+00 3.8

68+30 100 4.3

+50 95.5 4.5 8.8

69+00 95.2 4.8 18.2
4.7
12.9

So. Side

No. Side 12.

$$\frac{F.4.7}{26.1} \quad \frac{F.3.9}{25.8}$$

$$\frac{F.4.6}{27.2}$$

$$\frac{F.3.14}{24.8}$$

$$\frac{F.4.0}{26.0}$$

$$\frac{F.3.14}{24.8}$$

$$\frac{F.4.16}{27.2}$$

$$\frac{F.2.16}{23.2}$$

$$\frac{F.2.4}{23.2}$$

$$\frac{F.2.2}{22.4}$$

$$\frac{F.3.8}{25.6}$$

$$\frac{D.C.O.4}{24.8}$$

$$\frac{F.1.15}{22.8}$$

$$\frac{D.C.O.4}{24.8}$$

$$\frac{D.C.O.5}{25.0}$$

$$\frac{D.C.O.5}{25.0}$$

$$\frac{D.C.O.6}{25.2}$$

$$\frac{D.C.O.6}{25.2}$$

$$\frac{D.C.O.9}{25.8}$$

$$\frac{F.4.8}{27.6}$$

$$\frac{C.O.O}{27.0}$$

$$\frac{D.C.O.7}{25.4}$$

$$\frac{D.C.1.2}{26.4}$$

$$\frac{D.C.O.8}{25.6}$$

$$\frac{C.7.5}{27.0}$$

$$\frac{F.1.9}{21.8}$$

$$\frac{C.1.34}{59.0}$$

$$\frac{C.1.16.0}{42.0}$$

Sta + H.I - Elev

69+50

95.2

4.8

~~13.2~~
4.7

70+00

95.2

4.8

~~13.2~~
4.8

+50

95.5

4.5

~~13.4~~
4.5

71+00

95.6

4.6

~~13.4~~
4.6

+50

~~95.0~~

~~13.1~~
4.9

T.P.

13.1

72+00

5.0

72+50

5.5

73+00

6.0

+50

6.6

74+00

6.7

+50

6.0

75+00

5.1

50. Side

No. Side 13

$$\frac{F.3.3}{24.6}$$

slope 1.6:1

$$\frac{C.19.4}{58.0} \quad \frac{C.16.2}{59.4}$$

$$\frac{D.C.1.1}{26.2}$$

$$\frac{C.17.5}{55.0} = \frac{18.0}{63.0}$$

slope 1.6:1

$$\frac{C.6.0}{39.0}$$

$$\frac{C.11.8}{55.6} \quad \frac{C.11.4}{45.2}$$

$$\frac{C.11.1}{49.2}$$

slope 1.6:1

$$\frac{C.11.4}{35.8} \quad \frac{C.4.8}{34.7}$$

$$\frac{C.9.1}{45.2}$$

$$\frac{C.0.5}{28.0}$$

$$\frac{C.2.5}{32.0}$$

$$\frac{F.1.3}{20.6}$$

$$\frac{D.C.1.0}{26.0}$$

$$\frac{D.C.0.9}{25.8}$$

$$\frac{F.3.5}{25.0}$$

$$\frac{F.1.8}{21.6}$$

$$\frac{F.5.6}{29.2}$$

$$\frac{F.4.6}{29.2}$$

$$\frac{F.2.4}{22.8}$$

$$\frac{F.3.3}{24.6}$$

$$\frac{D.C.0.5}{25.0}$$

$$\frac{F.2.7}{23.4}$$

$$\frac{F.2.6}{23.2}$$

$$\frac{F.5.9}{29.8}$$

Sta + H.I - Elev

75+50

3.1

76+00

1.7

+50

0.1

7

77+00

2.3

+50

0.3

+

H.I.
114.2

-

Req

78+10

14.2 100.0

+50

13.6 100.6

78+95.15 = 287+32.50 = (Original Surrey)

287+00

12.1 102.1

286+50

10.5 103.7

286+00

8.4 105.8

285+50

6.0 108.2

285+00

3.9 110.3

So. Side

L

No. Side 14

$$\begin{array}{r} F.4.6 \\ 27.2 \end{array}$$

$$\begin{array}{r} F.9.7 \\ 37.4 \end{array}$$

$$\begin{array}{r} F.8.7 \\ 34.4 \end{array}$$

$$\begin{array}{r} F.12.8 \\ 43.6 \end{array}$$

$$\begin{array}{r} F.12.6 \\ 45.2 \end{array}$$

$$\begin{array}{r} F.14.6 \\ 47.2 \end{array}$$

$$\begin{array}{r} F.15.5 \\ 49.0 \end{array}$$

$$\begin{array}{r} F.15.6 \\ 49.2 \end{array}$$

$$\begin{array}{r} F.13.7 \\ 45.4 \end{array}$$

$$\begin{array}{r} F.7.3 \\ 32.6 \end{array}$$

$$\begin{array}{r} F.4.2 \\ 26.4 \end{array}$$

$$\begin{array}{r} F.16.0 \\ 50.0 \end{array}$$

$$\begin{array}{r} F.6.1 \\ 30.2 \end{array}$$

$$\begin{array}{r} F.18.2 \\ 54.4 \end{array}$$

$$\begin{array}{r} F.17.7 \\ 53.4 \end{array}$$

$$\begin{array}{r} F.29.7 \\ 77.4 \end{array}$$

$$\begin{array}{r} F.19.4 \\ 56.8 \end{array}$$

$$\begin{array}{r} F.30.0 \\ 78.0 \end{array}$$

$$\begin{array}{r} F.18.3 \\ 54.6 \end{array}$$

$$\begin{array}{r} F.27.8 \\ 73.6 \end{array}$$

$$\begin{array}{r} F.11.0 \\ 44.0 \end{array}$$

$$\begin{array}{r} F.25.3 \\ 68.6 \end{array}$$

$$\begin{array}{r} F.7.3 \\ 32.6 \end{array}$$

$$\begin{array}{r} F.15.8 \\ 44.6 \end{array}$$

	+	H.1	-	1.6		
284+50						
284+00				-0.5		
B.M.	1.0	101.0		100.0		
283+50		101.0		87.1	13.9	
283+00				89.5	<u>23.9</u> 11.5	
282+85				90.0	<u>23.6</u>	
282+50				92.1	<u>21.3</u> 8.9	<u>21.5</u>
282+00				94.8	<u>28.9</u> 6.2	<u>18.8</u>
281+50				97.6	<u>26.1</u> 3.4	<u>28.7</u>
281+00				100.3	<u>30.6</u> 1.0	<u>26.3</u>
T.P.	7.40	107.40	1.0	100.00	<u>28.4</u>	
280+50				102.2	3.2	<u>31.2</u>
280+00				103.7	<u>26.9</u> 3.7	<u>29.2</u>
279+50				104.5	<u>26.8</u> 2.9	<u>28.9</u>
279+00				104.4	<u>26.1</u> 3.0	<u>28.9</u>
279+25					9.8	
278+50				103.3	<u>16.2</u> 4.1	<u>11.1</u>
278+35						
278+00				101.8	<u>12.0</u> 5.6	

So. Side

L

No. Side 15

$$\begin{array}{r} F.2.2 \\ 22.4 \end{array}$$

$$\begin{array}{r} F.3.3 \\ 24.6 \end{array}$$

$$\begin{array}{r} F.1.2 \\ 20.4 \end{array}$$

$$\begin{array}{r} F.1.9 \\ 21.8 \end{array}$$

Sta. 281+00

$$\begin{array}{r} F.2.0 \\ 22.0 \end{array}$$

$$\begin{array}{r} D.0.0.0 \\ 24.0 \end{array}$$

$$\begin{array}{r} C.8.7 \\ 39.3 \end{array}$$

$$\begin{array}{r} C.8.0 \\ 38.3 \end{array}$$

$$\begin{array}{r} C.15.0 \\ 48.8 \end{array}$$

$$\begin{array}{r} C.11.5 \\ 43.6 \end{array}$$

$$\begin{array}{r} C.20.0 \\ 56.3 \end{array}$$

$$\begin{array}{r} C.17.1 \\ 51.9 \end{array}$$

$$\begin{array}{r} C.22.6 \\ 60.2 \end{array}$$

$$\begin{array}{r} C.24.0 \\ 62.3 \end{array}$$

$$\begin{array}{r} C.25.0 \\ 64.4 \end{array}$$

$$\begin{array}{r} C.25.1 \\ 64.0 \end{array}$$

$$\begin{array}{r} C.23.2 \\ 61.1 \end{array}$$

$$\begin{array}{r} C.26.3 \\ 65.8 \end{array}$$

$$\begin{array}{r} C.21.0 \\ 57.8 \end{array}$$

$$\begin{array}{r} C.25.4 \\ 64.5 \end{array}$$

$$\begin{array}{r} C.19.1 \\ 54.9 \end{array}$$

$$\begin{array}{r} C.15.0 \\ 48.8 \end{array}$$

$$\begin{array}{r} C.16.3 \\ 50.8 \end{array}$$

$$\begin{array}{r} C.10.0 \\ 37.8 \end{array}$$

$$\begin{array}{r} C.13.1 \\ 46.0 \end{array}$$

$$\begin{array}{r} C.7.0 \\ 36.8 \end{array}$$

$$\begin{array}{r} C.1.5 \\ 28.6 \end{array}$$

$$\begin{array}{r} C.8.3 \\ 38.6 \end{array}$$

$$\begin{array}{r} C.3.2 \\ 31.1 \\ C.4.2 \\ 32.6 \end{array}$$

	107.40			
	H.I.	-	El.	(10) 5.0
277+50			100.1	7.3
T.P.	110.2			
277+00			108.8	1.4
276+50			107.0	3.2
276+00			104.9	5.3
275+50			103.0	7.2
275+00			101.4	8.8
274+50			100.0	10.2
274+00			98.7	4.2 H.5
273+50				5.0 12.2
273+00				5.2
272+50				5.0
272+00				4.1
271+50				2.4

So. Side

E

No. Side 16

$$\begin{array}{r} C.3.1 \\ 31.0 \\ \hline \end{array}$$

$$\begin{array}{r} F.2.8 \\ 23.6 \\ \hline \end{array}$$

$$\begin{array}{r} F.9.0 \\ 36.0 \\ \hline \end{array}$$

$$\begin{array}{r} F.12.8 \\ 43.6 \\ \hline \end{array}$$

$$\begin{array}{r} F.14.6 \\ 47.1 \\ \hline \end{array}$$

$$\begin{array}{r} F.14.7 \\ 47.4 \\ \hline \end{array}$$

$$\begin{array}{r} F.12.7 \\ 43.4 \\ \hline \end{array}$$

$$\begin{array}{r} F.6.4 \\ 30.8 \\ \hline \end{array}$$

$$\begin{array}{r} F.8.3 \\ 34.6 \\ \hline \end{array}$$

$$\begin{array}{r} F.11.5 \\ 47.0 \\ \hline \end{array}$$

$$\begin{array}{r} F.11.3 \\ 47.6 \\ \hline \end{array}$$

$$\begin{array}{r} F.9.7 \\ 37.4 \\ \hline \end{array}$$

$$\begin{array}{r} F.7.4 \\ 32.8 \\ \hline \end{array}$$

$$\begin{array}{r} C.0.0 \\ 24.2 \\ \hline \end{array}$$

$$\begin{array}{r} F.3.3 \\ 24.6 \\ \hline \end{array}$$

$$\begin{array}{r} F.6.4 \\ 30.8 \\ \hline \end{array}$$

$$\begin{array}{r} F.7.3 \\ 32.6 \\ \hline \end{array}$$

$$\begin{array}{r} F.8.4 \\ 34.8 \\ \hline \end{array}$$

$$\begin{array}{r} F.10.5 \\ 39.0 \\ \hline \end{array}$$

$$\begin{array}{r} F.8.0 \\ 34.0 \\ \hline \end{array}$$

$$\begin{array}{r} F.4.0 \\ 26.0 \\ \hline \end{array}$$

$$\begin{array}{r} F.1.5 \\ 21.0 \\ \hline \end{array}$$

$$\begin{array}{r} F.1.5 \\ 21.0 \\ \hline \end{array}$$

$$\begin{array}{r} F.2.2 \\ 22.4 \\ \hline \end{array}$$

$$\begin{array}{r} F.1.5 \\ 21.0 \\ \hline \end{array}$$

$$\begin{array}{r} F.2.7 \\ 23.4 \\ \hline \end{array}$$

	+	11.6	-			
271+00						
270+50					8.4	
270+00					4.6	
269+50					0.5	
T.P.	13.2	113.2		100.0		
269+00				100.0	13.2	(5.9)
268+50				103.8	(20.8) 9.4	25.0
268+00				106.8	(17.8) 6.4	20.0
267+50				109.7	(14.9) 3.5	(19.1)
267+00				112.1	(21.8) 7.1	(16.0)
T.P.	7.8	120.7	0.3	112.9	✓	
266+50				113.8	(20.1) 6.9	(12.7)
266+00				115.0	(18.9) 3.7	(11.5)
265+50				115.9	(18.0) 4.8	(10.5)
265+00				115.3	8.4 5.4	(11.2)

53.

E

No.

17

$$\frac{F.8.7}{35.4}$$

$$\frac{F.2.6}{23.2}$$

$$\frac{F.7.4}{36.8}$$

$$\frac{F.5.2}{28.4}$$

$$\frac{F.9.4}{36.8}$$

$$\frac{F.9.6}{37.2}$$

$$\frac{F.6.2}{30.4}$$

$$\frac{F.10.6}{39.2}$$

$$\frac{D.C.1.3}{25.3}$$

$$\frac{D.C.10.3}{24.3}$$

~~$$\frac{C.11.6}{36.6}$$~~

$$\frac{C.11.6}{43.4}$$

~~$$\frac{C.6.2}{31.7}$$~~

~~$$\frac{C.11.7}{37.2}$$~~

$$\frac{C.14.0}{47.0}$$

$$\frac{C.13.6}{34.7}$$

~~$$\frac{C.13.6}{38.6}$$~~

~~$$\frac{C.10.4}{38.9}$$~~

$$\frac{C.14.3}{47.5}$$

$$\frac{C.14.2}{35.6}$$

~~$$\frac{C.13.6}{40.6}$$~~

~~$$\frac{C.12.8}{38.3}$$~~

$$\frac{C.13.4}{46.1}$$

$$\frac{C.16.6}{36.9}$$

~~$$\frac{C.14.6}{41.6}$$~~

~~$$\frac{C.11.4}{37.8}$$~~

$$\frac{C.12.0}{44.0}$$

$$\frac{C.14.3}{35.3}$$

~~$$\frac{C.13.8}{39.3}$$~~

~~$$\frac{C.8.6}{34.9}$$~~

$$\frac{C.10.4}{41.6}$$

$$\frac{1}{2} \cdot 1$$

$$\frac{C.9.5}{29.2}$$

$$\frac{C.9.3}{34.5}$$

~~$$\frac{C.6.2}{37.8}$$~~

$$\frac{C.7.6}{37.4}$$

$$\frac{C.4.6}{30.1}$$

~~$$\frac{C.3.4}{28.0}$$~~

$$\frac{C.4.7}{33.0}$$

$$\frac{1}{2} \cdot \frac{1}{2}$$

$$\frac{C.6.4}{30.0} \text{ Fence}$$

	120.7		
	+	H.1	-
269+50			21
269+12			112.8
26			7.9
26			110.3
B.M		3.1	10.4
262+75			117.6
			9.8
262+50			
262+00			7.9
261+50			10.6
262+00			
261+50			
261+00			3.6
260+50			2.1
260+00			4.4
	105.6		
259+50			100.0
			5.6
259+00			97.8
			7.8

$$\begin{array}{r} DC. 1.0 \\ \hline 25.0 \end{array}$$

£

No

18

$$\begin{array}{r} C. 2.2 \\ \hline 27.7 \\ DC. 0.5 \\ \hline 24.5 \end{array}$$

Green Rock 13' Ho. Sta 65+40

Farm. Ent.

$$\begin{array}{r} D.C. 0.7 \\ \hline 25.1 \end{array}$$

Fill 100 Wds Shoulder State

$$\begin{array}{r} C. 2.6 \\ \hline 28.1 \end{array} \quad 1.1$$

$$\begin{array}{r} C. 1.4 \\ \hline 26.9 \end{array} \quad 1.1$$

$$\begin{array}{r} F. 1.8 \\ \hline 21.6 \end{array}$$

$$\begin{array}{r} F. 4.2 \\ \hline 26.4 \end{array}$$

$$\begin{array}{r} F. 9.3 \\ \hline 36.6 \end{array}$$

$$\begin{array}{r} F. 9.0 \\ \hline 36.0 \end{array}$$

$$\begin{array}{r} F. 9.7 \\ \hline 37.4 \end{array}$$

$$\begin{array}{r} F. 7.7 \\ \hline 33.4 \end{array}$$

$$\begin{array}{r} F. 14.0 \\ \hline 46.0 \end{array}$$

$$\begin{array}{r} F. 4.7 \\ \hline 27.4 \end{array}$$

$$\begin{array}{r} F. 16.7 \\ \hline 51.4 \end{array}$$

$$\begin{array}{r} F. 4.1 \\ \hline 26.2 \end{array}$$

$$\begin{array}{r} F. 20.1 \\ \hline 58.2 \end{array}$$

$$\begin{array}{r} F. 5.7 \\ \hline 29.4 \end{array}$$

10516

258+50

95.8 9.8

258+00

94.0 11.6

257+50

3.0

257+00

3.0

256+50

3.0

256+00

6.7

255+50

6.4

255+00

6.1

254+50

5.5

254+00

5.1

253+50

4.6

253+00

4.1

252+50

3.7

252+00

3.3

50.

$$\begin{array}{r} F.20.2 \\ \hline 58.4 \end{array}$$

$$\begin{array}{r} F.16.6 \\ \hline 51.2 \end{array}$$

$$\begin{array}{r} F.11.6 \\ \hline 41.2 \end{array}$$

$$\begin{array}{r} F.7.7 \\ \hline 33.4 \end{array}$$

$$\begin{array}{r} F.5.0 \\ \hline 28.0 \end{array}$$

$$\begin{array}{r} F.2.3 \\ \hline 22.6 \end{array}$$

$$\begin{array}{r} C.4.1 \\ \hline 36.2 \\ \hline C.3.8 \\ \hline 35.6 \end{array}$$

$$\begin{array}{r} C.3.1 \\ \hline 34.2 \end{array}$$

$$\begin{array}{r} F.2.9 \\ \hline 22.4 \end{array}$$

$$\begin{array}{r} F.3.8 \\ \hline 23.7 \end{array}$$

$$\begin{array}{r} F.3.9 \\ \hline 23.9 \end{array}$$

$$\begin{array}{r} C.1.9 \\ \hline 30.8 \end{array}$$

$$\begin{array}{r} F.4.1 \\ \hline 24.2 \end{array}$$

£

170.

19

$$\begin{array}{r} F.6.4 \\ \hline 30.8 \end{array}$$

$$\begin{array}{r} F.6.7 \\ \hline 31.4 \end{array}$$

$$\begin{array}{r} F.5.2 \\ \hline 30.4 \end{array}$$

$$\begin{array}{r} F.5.0 \\ \hline 28.0 \end{array}$$

$$\begin{array}{r} F.3.4 \\ \hline 24.8 \end{array}$$

$$\begin{array}{r} C.1.5 \\ \hline 31.0 \end{array}$$

$$\begin{array}{r} C.2.2 \\ \hline 32.4 \\ \hline C.1.1 \\ \hline 30.2 \end{array}$$

$$\begin{array}{r} F.5.5 \\ \hline 20.3 \end{array}$$

$$\begin{array}{r} F.6.5 \\ \hline 20.3 \end{array}$$

$$\begin{array}{r} D.C.1.3 \\ \hline 26.6 \end{array}$$

$$\begin{array}{r} D.C.1.0 \\ \hline 26.0 \end{array}$$

$$\begin{array}{r} F.2.8 \\ \hline 22.2 \end{array}$$

$$\begin{array}{r} F.3.9 \\ \hline 23.9 \end{array}$$

Book adjacent to F.11

251+50	6.3
+25	6.1
251+00	5.7

250+50	8.8
--------	-----

250+00	7.6
--------	-----

249+50	6.6
--------	-----

249+00	5.3
--------	-----

248+50	8.3
--------	-----

248+00	6.8
--------	-----

247+50	7.8
--------	-----

247+00	6.9
--------	-----

246+50	6.1
--------	-----

246+00	4.8
--------	-----

245+37	3.1
--------	-----

50.

L

No.

20

$$\begin{array}{r} F.4.4 \\ 26.8 \end{array}$$

$$\begin{array}{r} F.3.7 \\ 25.4 \\ F.3.5 \\ 27.0 \end{array}$$

Dr.

$$\begin{array}{r} F.4.4 \\ 26.8 \end{array}$$

$$\begin{array}{r} F.5.3 \\ 28.6 \end{array}$$

$$\begin{array}{r} F.3.3 \\ 24.6 \end{array}$$

$$\begin{array}{r} F.3.1 \\ 24.2 \end{array}$$

$$\begin{array}{r} F.2.8 \\ 23.6 \end{array}$$

$$\begin{array}{r} F.1.8 \\ 21.6 \end{array}$$

$$\begin{array}{r} F.2.8 \\ 23.6 \end{array}$$

$$\begin{array}{r} F.1.8 \\ 21.6 \end{array}$$

$$\begin{array}{r} F.3.8 \\ 25.6 \end{array}$$

$$\begin{array}{r} C.0.0 \\ 22.0 \end{array}$$

$$\begin{array}{r} D.C.0.0 \\ 28.8 \end{array}$$

$$\begin{array}{r} C.5.0 \\ 37.0 \end{array}$$

$$\begin{array}{r} C.2.7 \\ 32.4 \end{array}$$

$$\begin{array}{r} C.6.8 \\ 40.6 \end{array}$$

$$\begin{array}{r} C.4.1 \\ 35.2 \end{array}$$

$$\begin{array}{r} C.2.4 \\ 31.8 \end{array}$$

$$\begin{array}{r} C.2.5 \\ 32.0 \end{array}$$

$$\begin{array}{r} D.C.0.0 \\ 24.0 \end{array}$$

$$\begin{array}{r} C.0.7 \\ 28.4 \end{array}$$

$$\begin{array}{r} D.C.0.0 \\ 24.0 \end{array}$$

$$\begin{array}{r} C.1.5 \\ 30.0 \end{array}$$

$$\begin{array}{r} C.2.5 \\ 32.0 \end{array}$$

$$\begin{array}{r} C.1.9 \\ 30.8 \end{array}$$

245+00

244+50

244+00

5.4

243+50

7.6

243+05

6.8

242+50

5.9

242+00

5.3

241+50

7.7

241+00

7.0

240+50

6.1

240+00

12.1

239+50

11.0

239+00

10.0

50.

E

No.

21

$$\begin{array}{r} C.1.3 \\ 29.6 \end{array}$$

$$\begin{array}{r} C.1.8 \\ 30.6 \end{array}$$

$$\begin{array}{r} F.5.2 \\ 28.4 \end{array}$$

$$\begin{array}{r} C.1.2 \\ 29.4 \end{array}$$

$$\begin{array}{r} F.3.6 \\ 25.2 \end{array}$$

Dr.

$$\begin{array}{r} F.3.0 \\ 24.0 \end{array}$$

$$\begin{array}{r} F.1.2 \\ 21.4 \end{array}$$

$$\begin{array}{r} F.3.5 \\ 25.0 \end{array}$$

$$\begin{array}{r} F.4.1 \\ 26.2 \end{array}$$

$$\begin{array}{r} F.4.6 \\ 27.2 \end{array}$$

$$\begin{array}{r} F.4.6 \\ 27.2 \end{array}$$

$$\begin{array}{r} F.4.4 \\ 26.8 \end{array}$$

$$\begin{array}{r} F.4.1 \\ 26.2 \end{array}$$

$$\begin{array}{r} F.3.3 \\ 24.6 \end{array}$$

$$\begin{array}{r} F.5.6 \\ 29.2 \end{array}$$

$$\begin{array}{r} F.4.8 \\ 27.6 \end{array}$$

$$\begin{array}{r} F.6.0 \\ 33 \end{array}$$

$$\begin{array}{r} F.4.2 \\ 26.4 \end{array}$$

$$\begin{array}{r} F.5.8 \\ 29.6 \end{array}$$

$$\begin{array}{r} C.0.0 \\ 28.0 \end{array}$$

$$\begin{array}{r} F.1.8 \\ 26.6 \end{array}$$

$$\begin{array}{r} C.4.0 \\ 36.0 \end{array}$$

$$\begin{array}{r} C.1.6 \\ 30.2 \end{array}$$

$$\begin{array}{r} C.8.0 \\ 44.0 \end{array}$$

$$\begin{array}{r} C.2.2 \\ 32.4 \end{array}$$

238+50	11.5
238+00	10.6
237+85	9.8
237+50	9.8
237+00	
236+85	9.8
236+50	9.7
236+00	11.1
235+50	12.8
235+00	14.7
234+50	9.8
234+00	11.9
233+50	14.6
233+00	10.1
232+50	12.4
232+23	14.0

50.

E

No.

22

$$\begin{array}{r} c.6.9 \\ \hline 41.4 \end{array}$$

$$\begin{array}{r} c.2.2 \\ \hline 32.4 \end{array}$$

$$\begin{array}{r} c.5.9 \\ \hline 39.8 \end{array}$$

$$\begin{array}{r} c.5.1 \\ \hline 38.2 \end{array}$$

$$\begin{array}{r} c.6.3 \\ \hline 40.6 \end{array}$$

$$\begin{array}{r} c.5.8 \\ \hline 39.1 \end{array}$$

$$\begin{array}{r} c.4.5 \\ \hline 37.0 \\ c.3.0 \\ \hline 34.0 \end{array}$$

$$\begin{array}{r} c.8.4 \\ \hline 44.8 \\ c.6.7 \\ \hline 41.4 \end{array}$$

$$\begin{array}{r} c.2.8 \\ \hline 33.6 \end{array}$$

$$\begin{array}{r} c.4.5 \\ \hline 37.0 \end{array}$$

$$\begin{array}{r} c.6.8 \\ \hline 41.6 \end{array}$$

$$\begin{array}{r} c.4.0 \\ \hline 36.0 \end{array}$$

$$\begin{array}{r} c.7.9 \\ \hline 43.8 \end{array}$$

$$\begin{array}{r} c.2.5 \\ \hline 33.0 \end{array}$$

$$\begin{array}{r} c.7.8 \\ \hline 43.6 \end{array}$$

$$\begin{array}{r} c.3.0 \\ \hline 34.0 \end{array}$$

$$\begin{array}{r} c.6.3 \\ \hline 40.6 \end{array}$$

$$\begin{array}{r} c.6.4 \\ \hline 40.8 \end{array}$$

$$\begin{array}{r} c.6.8 \\ \hline 41.6 \end{array}$$

$$\begin{array}{r} c.12.8 \\ \hline 53.6 \end{array}$$

$$\begin{array}{r} c.7.4 \\ \hline 42.8 \end{array}$$

$$\begin{array}{r} c.10.5 \\ \hline 49.0 \end{array}$$

$$\begin{array}{r} c.5.4 \\ \hline 38.8 \end{array}$$

$$\begin{array}{r} c.4.8 \\ \hline 37.6 \end{array}$$

$$\begin{array}{r} c.2.9 \\ \hline 33.8 \end{array}$$

$$\begin{array}{r} c.1.9 \\ \hline 34.8 \end{array}$$

231+90	2.4
231+50	4.2
231+00	6.7
230+50	9.2
230+00	0.5
229+50	2.9
229+00	5.4
228+80	9.8
228+50	8.0
228+00	2.8
228+00	10.7
227+50	4.2
227+00	6.7
226+50	9.0
226+00	2.9
225+50	5.6
225+00	1.9

C.1.4
30.8

50.

E

76
Shoulder St. 23

D.C.03

24.6

F.5.0

28.0

F.6.5

31.0

F.7.0

32.0

F.0.7

19.4

F.5.1

28.2

F.4.7

27.4

F.3.0

24.0

F.5.1

28.2

D.C.0.5

25.0

C.0.0

28.0

C.0.8

29.6

C.2.7

33.0

C.2.5

33.0

C.2.1

32.2

20

17

C.2.6

37.2

21

17

F.2.0

22.0

C.3.0

34.0

21

17

D.C.0.5

25.0

C.0.6

29.2

C.0.9

29.8

D.C.0.7

25.4

D.C.0.6

25.2

F.2.5

23.0

F.1.6

21.2

F.4.1

26.2

F.2.4

22.8

F.5.2

28.4

F.1.5

21.0

224+50

4.0

224+00

6.3

223+50

8.0

223+00

3.7

222+50

4.3

222+00

4.6

221+50

5.2

221+00

5.4

220+50

5.4

220+00

5.3

219+50

11.4 10.3

219+00

9.9 8.8

218+50

8.5 7.5

50.

②

No.

24

F.5.3

28.6

D.C.O.0

24.0

F.5.2

28.4

F.1.8

21.6

F.6.0

30.0

F.4.5

27.0

F.6.6

31.2

F.5.0

28.0

F.5.7

29.4

F.4.5

27.0

F.6.6

31.2

F.3.6

25.2

F.6.5

31.0

F.3.6

29.8

F.5.3

28.6

F.3.1

24.2

F.5.1

28.2

F.3.3

26.6

F.4.8

27.6

F.3.0

24.0

F.4.8

27.6

D.C.O.3

24.6

F.5.2

28.4

19'

28'

C.6.7

40.4

F.6.5

31.0

19'

31'

C.9.4

45.8

218+00	7.3	6.2
217+50	5.7	4.6
217+00	13.3	3.1
216+50	11.8	1.6
216+00	10.1	8.8
215+50	8.3	7.0
215+00	6.5	4.8
214+50	14.0	3.2
214+00	12.2	10.9
213+50	10.6	9.3
213+00	10.6	9.3
212+50	11.1	
212+00	12.5	

50.

£

No,

25

$$\begin{array}{r} F.10.1 \\ 382 \end{array}$$

$$\begin{array}{r} 20' \quad 33' \quad C.5.7 \\ 38.4 \end{array}$$

$$\begin{array}{r} F.11.5 \\ 43.0 \end{array}$$

$$\begin{array}{r} 22' \quad 35' \quad C.4.1 \\ 35.2 \end{array}$$

$$\begin{array}{r} F.12.4 \\ 42.8 \end{array}$$

$$\begin{array}{r} 20' \quad 31' \quad C.4.7 \\ 36.4 \end{array}$$

$$\begin{array}{r} F.11.1 \\ 40.2 \end{array}$$

$$\begin{array}{r} 19' \quad 31' \quad C.5.0 \\ 37.0 \end{array}$$

$$\begin{array}{r} F.7.5 \\ 33.0 \end{array}$$

$$\begin{array}{r} 18' \quad 31' \quad C.5.8 \\ 38.6 \end{array}$$

$$\begin{array}{r} F.2.3 \\ 22.6 \end{array}$$

$$\begin{array}{r} 16' \quad 30' \quad C.6.2 \\ 39.4 \end{array}$$

$$\begin{array}{r} D.C.0.2 \\ 24.4 \end{array}$$

$$\begin{array}{r} 16' \quad 25' \quad C.6.7 \\ 40.4 \end{array}$$

$$\begin{array}{r} C.1.3 \\ 29.6 \end{array}$$

27

20

17

29

$$\begin{array}{r} C.8.4 \\ 42.8 \end{array}$$

$$\begin{array}{r} C.3.2 \\ 33.4 \end{array}$$

28

21

17

30

$$\begin{array}{r} C.9.8 \\ 46.6 \end{array}$$

$$\begin{array}{r} C.3.9 \\ 34.8 \end{array}$$

27

20

18

26

$$\begin{array}{r} C.9.3 \\ 45.6 \end{array}$$

$$\begin{array}{r} C.3.9 \\ 34.8 \end{array}$$

27

20

23

32

$$\begin{array}{r} C.8.2 \\ 43.4 \end{array}$$

$$\begin{array}{r} C.2.4 \\ 31.8 \end{array}$$

26

22

21

29

$$\begin{array}{r} C.5.3 \\ 37.6 \end{array}$$

$$\begin{array}{r} C.0.0 \\ 27.0 \end{array}$$

25

23

25

28

$$\begin{array}{r} C.2.2 \\ 31.4 \end{array}$$

210+89.7 Date

211+50

15.0

211+00

210+40

210+00

3.7

209+50

5.3

209+00

6.4

208+50

5.6

208+00

5.5

207+50

5.7

207+00

5.4

206+50

5.0

206+00

4.3

205+50

9.2

50

L

No

26

Filling Sta.

$$\begin{array}{r} F.59 \\ \hline 29.8 \end{array}$$

$$\begin{array}{r} F.60 \\ \hline 30.0 \end{array}$$

$$\begin{array}{r} F.54 \\ \hline 28.8 \end{array}$$

$$\begin{array}{r} F.53 \\ \hline 28.1 \end{array}$$

$$\begin{array}{r} F.57 \\ \hline 29.4 \end{array}$$

$$\begin{array}{r} F.41 \\ \hline 26.4 \end{array}$$

$$\begin{array}{r} F.47 \\ \hline 27.4 \end{array}$$

$$\begin{array}{r} F.43 \\ \hline 26.6 \end{array}$$

$$\begin{array}{r} F.34 \\ \hline 24.8 \end{array}$$

$$\begin{array}{r} F.49 \\ \hline 29.8 \end{array}$$

$$\begin{array}{r} F.35 \\ \hline 25.0 \end{array}$$

$$\begin{array}{r} F.40 \\ \hline 26.0 \end{array}$$

$$\begin{array}{r} F.38 \\ \hline 25.6 \end{array}$$

$$\begin{array}{r} F.37 \\ \hline 25.4 \end{array}$$

$$\begin{array}{r} F.41 \\ \hline 26.2 \end{array}$$

$$\begin{array}{r} F.36 \\ \hline 25.2 \end{array}$$

$$\begin{array}{r} F.34 \\ \hline 24.8 \end{array}$$

$$\begin{array}{r} F.37 \\ \hline 25.4 \end{array}$$

$$\begin{array}{r} F.38 \\ \hline 25.6 \end{array}$$

$$\begin{array}{r} F.40 \\ \hline 26.0 \end{array}$$

205+00	7.9
204+50	6.2
204+00	4.2
203+50	8.4
203+00	6.3
202+50	7.1
202+00	4.6
201+50	2.0
201+00	4.9
200+50	0.7
200+00	8.5
199+55	5.8
+30	
199+00	1.1

50.

L

No. 27

$$\begin{array}{r} F3.9 \\ 258 \end{array}$$

$$\begin{array}{r} F4.6 \\ 27.2 \end{array}$$

$$\begin{array}{r} F5.4 \\ 288 \end{array}$$

$$\begin{array}{r} F5.1 \\ 282 \end{array}$$

$$\begin{array}{r} F6.6 \\ 31.2 \end{array}$$

$$\begin{array}{r} F6.1 \\ 30.2 \end{array}$$

$$\begin{array}{r} F6.9 \\ 31.8 \end{array}$$

$$\begin{array}{r} F7.3 \\ 32.6 \end{array}$$

$$\begin{array}{r} F8.9 \\ 35.8 \end{array}$$

$$\begin{array}{r} F8.5 \\ 34.4 \end{array}$$

$$\begin{array}{r} F9.4 \\ 36.8 \end{array}$$

$$\begin{array}{r} F9.4 \\ 36.8 \end{array}$$

$$\begin{array}{r} F13.0 \\ 44.0 \end{array}$$

$$\begin{array}{r} F12.8 \\ 43.6 \end{array}$$

$$\begin{array}{r} F11.6 \\ 41.2 \end{array}$$

$$\begin{array}{r} F12.2 \\ 43.4 \end{array}$$

$$\begin{array}{r} F9.9 \\ 37.8 \end{array}$$

$$\begin{array}{r} F8.7 \\ 35.4 \end{array}$$

$$\begin{array}{r} F8.7 \\ 35.4 \end{array}$$

$$\begin{array}{r} F8.5 \\ 34.6 \end{array}$$

$$\begin{array}{r} F7.3 \\ 32.6 \end{array}$$

$$\begin{array}{r} F2.2 \\ 22.2 \end{array}$$

$$\begin{array}{r} F3.3 \\ 24.6 \end{array}$$

$$\begin{array}{r} C.O.O \\ 27.0 \end{array}$$

$$\begin{array}{r} D.E.O.4 \\ 24.8 \end{array}$$

$$\begin{array}{r} C.O.S \\ 28.0 \end{array}$$

~~189+50~~

199+00

13.6

198+50

10.8

198+20

13.8

198+00

197+80 ✓

16.6

197+60

197+00

13.8

196+50

11.9

196+00

10.1

195+50

8.2

195+00

6.8

194+50

5.8

194+00

5.2

193+60

4.8

50.

L

(-50 Temp.)
No. 28

$$\begin{array}{r} c.2.9 \\ 32.8 \end{array}$$

$$\begin{array}{r} c.5.2 \\ 37.4 \end{array}$$

$$\begin{array}{r} c.8.8 \\ 44.6 \\ c.13.5 \\ 53.0 \end{array}$$

$$\begin{array}{r} c.11.0 \\ 49.0 \\ c.11.6 \\ 50.2 \end{array}$$

$$\begin{array}{r} c.9.0 \\ 45.0 \end{array}$$

$$\begin{array}{r} c.15.1 \\ 57.2 \end{array}$$

$$\begin{array}{r} c.15.0 \\ 57.0 \end{array}$$

$$\begin{array}{r} c.14.0 \\ 55.0 \end{array}$$

$$\begin{array}{r} c.13.1 \\ 53.2 \end{array}$$

$$\begin{array}{r} c.11.4 \\ 49.8 \end{array}$$

$$\begin{array}{r} c.11.2 \\ 49.2 \end{array}$$

$$\begin{array}{r} c.9.5 \\ 46.0 \end{array}$$

$$\begin{array}{r} c.10.0 \\ 47.0 \end{array}$$

$$\begin{array}{r} c.7.1 \\ 41.2 \end{array}$$

$$\begin{array}{r} c.7.7 \\ 42.4 \end{array}$$

$$\begin{array}{r} c.5.9 \\ 38.8 \end{array}$$

$$\begin{array}{r} c.5.8 \\ 37.4 \end{array}$$

$$\begin{array}{r} c.4.0 \\ 35.0 \end{array}$$

$$\begin{array}{r} c.3.5 \\ 34.0 \end{array}$$

$$\begin{array}{r} c.2.7 \\ 32.4 \end{array}$$

$$\begin{array}{r} c.2.9 \\ 32.8 \end{array}$$

$$\begin{array}{r} c.2.4 \\ 31.8 \end{array}$$

$$\begin{array}{r} c.2.6 \\ 32.2 \end{array}$$

193+00	✓	4.0
192+50		3.8
192+00		5.7
191+50		5.2
191+00		5.5
190+50		5.6
190+00		5.6
189+50		5.9
189+00		6.2
188+50		4.9
188+00	✓	5.2
187+50		5.3
187+00		5.7

50

£

76.29

$$\begin{array}{r} c.1.4 \\ \hline 29.8 \end{array}$$

$$\begin{array}{r} c.1.8 \\ \hline 30.6 \end{array}$$

$$\begin{array}{r} c.1.3 \\ \hline 29.6 \end{array}$$

$$\begin{array}{r} c.1.4 \\ \hline 29.8 \end{array}$$

$$\begin{array}{r} c.1.0 \\ \hline 29.0 \end{array}$$

$$\begin{array}{r} c.0.9 \\ \hline 28.8 \end{array}$$

$$\begin{array}{r} c.0.9 \\ \hline 28.8 \end{array}$$

$$\begin{array}{r} c.0.0 \\ \hline 27.0 \end{array}$$

$$\begin{array}{r} c.0.5 \\ \hline 28.0 \end{array}$$

$$\begin{array}{r} D.C.0.1 \\ \hline 24.2 \end{array}$$

$$\begin{array}{r} c.0.9 \\ \hline 28.8 \end{array}$$

$$\begin{array}{r} D.C.0.6 \\ \hline 25.2 \end{array}$$

$$\begin{array}{r} c.0.7 \\ \hline 28.4 \end{array}$$

$$\begin{array}{r} D.C.0.8 \\ \hline 25.6 \end{array}$$

$$\begin{array}{r} c.0.2 \\ \hline 27.4 \end{array}$$

$$\begin{array}{r} c.0.1 \\ \hline 27.2 \end{array}$$

$$\begin{array}{r} c.0.3 \\ \hline 27.6 \end{array}$$

$$\begin{array}{r} c.0.7 \\ \hline 28.4 \end{array}$$

$$\begin{array}{r} c.1.2 \\ \hline 29.4 \end{array}$$

$$\begin{array}{r} c.0.9 \\ \hline 28.8 \end{array}$$

$$\begin{array}{r} c.2.2 \\ \hline 31.4 \end{array}$$

$$\begin{array}{r} c.1.5 \\ \hline 30.0 \end{array}$$

$$\begin{array}{r} c.1.6 \\ \hline 30.2 \end{array}$$

$$\begin{array}{r} c.1.3 \\ \hline 29.6 \end{array}$$

$$\begin{array}{r} c.1.7 \\ \hline 30.4 \end{array}$$

$$\begin{array}{r} c.1.5 \\ \hline 30.0 \end{array}$$

		H.I.		Elev.	Ground
					£
186+50					6.3
186+00					6.9
185+50					7.4
185+00					7.9
B.M.	1.03	936.48 ✓		935.45	7.9
184+50		88.93		87.90	
184+00					932.7
183+50					932.0
183+00					931.4
182+50					931.4
182+00					931.6
181+50					932.7
T.P.	6.11	941.56 ✓		935.45 ✓	932.7
181+00		94.01	1.03	87.90	933.9
180+50					934.8
180+00					6.5

$$\begin{array}{r} 50. \\ c.2.6 \\ \hline 32.2 \end{array}$$

£

$$\begin{array}{r} No. \quad 30 \\ c.2.0 \\ \hline 31.0 \end{array}$$

$$\begin{array}{r} c.3.0 \\ \hline 33.0 \end{array}$$

$$\begin{array}{r} c.2.4 \\ \hline 31.8 \end{array}$$

$$\begin{array}{r} c.2.8 \\ \hline 32.6 \end{array}$$

$$\begin{array}{r} c.2.8 \\ \hline 32.6 \end{array}$$

Rad.

$$\begin{array}{r} c.2.4 \\ \hline 31.8 \end{array}$$

P.P-22' No. 56. 181+23

$$\begin{array}{r} 3.1 \\ 40 \end{array} \quad \begin{array}{r} c.1.1 \\ 29.2 \end{array} \quad \begin{array}{r} 3.0 \\ 24 \end{array} \quad \begin{array}{r} 4.7 \\ 19 \end{array} \quad \begin{array}{r} 4.3 \\ 13.3 \end{array} \quad \begin{array}{r} 3.8 \\ 8 \end{array} \quad \begin{array}{r} 4.3 \\ 11 \end{array} \quad \begin{array}{r} 4.6 \\ 21 \end{array} \quad \begin{array}{r} 2.1 \\ 28 \end{array} \quad \begin{array}{r} c.2.6 \\ 32.2 \end{array} \quad \begin{array}{r} 1.5 \\ 42 \end{array}$$

$$\begin{array}{r} 9.3 \\ 41 \end{array} \quad \begin{array}{r} 8.2 \\ 27 \end{array} \quad \begin{array}{r} F.2.9 \\ 23.8 \end{array} \quad \begin{array}{r} 7.7 \\ 19.8 \end{array} \quad \begin{array}{r} 5.2 \\ 13 \end{array} \quad \begin{array}{r} 4.5 \\ 8 \end{array} \quad \begin{array}{r} 5.0 \\ 11 \end{array} \quad \begin{array}{r} 5.7 \\ 16 \end{array} \quad \begin{array}{r} 4.4 \\ 20 \end{array} \quad \begin{array}{r} c.1.0 \\ 29.0 \end{array} \quad \begin{array}{r} 3.5 \\ 35 \end{array} \quad \begin{array}{r} 3.1 \\ 40 \end{array}$$

$$\begin{array}{r} 15.8 \\ 43 \end{array} \quad \begin{array}{r} F.10.5 \\ 39.0 \end{array} \quad \begin{array}{r} 4.3 \\ 33 \end{array} \quad \begin{array}{r} 11.2 \\ 22 \end{array} \quad \begin{array}{r} 5.7 \\ 13 \end{array} \quad \begin{array}{r} 5.1 \\ 8 \end{array} \quad \begin{array}{r} 5.4 \\ 11.6 \end{array} \quad \begin{array}{r} 9.5 \\ 19 \end{array} \quad \begin{array}{r} 10.1 \\ 25.2 \end{array} \quad \begin{array}{r} F.4.4 \\ 26.8 \end{array} \quad \begin{array}{r} 9.3 \\ 40 \end{array}$$

$$\begin{array}{r} 18.7 \\ 47 \end{array} \quad \begin{array}{r} F.13.0 \\ 44.0 \end{array} \quad \begin{array}{r} 16.7 \\ 32.0 \end{array} \quad \begin{array}{r} 6.0 \\ 13.6 \end{array} \quad \begin{array}{r} 5.1 \\ 8 \end{array} \quad \begin{array}{r} 5.7 \\ 12 \end{array} \quad \begin{array}{r} 10.8 \\ 21 \end{array} \quad \begin{array}{r} 13.1 \\ 20 \end{array} \quad \begin{array}{r} F.7.1 \\ 32.2 \end{array}$$

$$\begin{array}{r} 13.4 \\ 40 \end{array} \quad \begin{array}{r} F.7.2 \\ 32.4 \end{array} \quad \begin{array}{r} 11.4 \\ 26.4 \end{array} \quad \begin{array}{r} 5.4 \\ 13 \end{array} \quad \begin{array}{r} 4.9 \\ 8 \end{array} \quad \begin{array}{r} 5.6 \\ 11.6 \end{array} \quad \begin{array}{r} 13.0 \\ 22.3 \end{array} \quad \begin{array}{r} F.8.8 \\ 35.6 \end{array} \quad \begin{array}{r} 12.9 \\ 40 \end{array}$$

$$\begin{array}{r} 4.3 \\ 40 \end{array} \quad \begin{array}{r} 5.1 \\ 25.4 \end{array} \quad \begin{array}{r} F.1.7 \\ 21.4 \end{array} \quad \begin{array}{r} 5.5 \\ 20.6 \end{array} \quad \begin{array}{r} 1.1 \\ 14 \end{array} \quad \begin{array}{r} 3.8 \\ 8 \end{array} \quad \begin{array}{r} 4.4 \\ 11 \end{array} \quad \begin{array}{r} 6.4 \\ 17.6 \end{array} \quad \begin{array}{r} 8.2 \\ 27 \end{array} \quad \begin{array}{r} F.4.0 \\ 26.0 \end{array} \quad \begin{array}{r} 9.5 \\ 33 \end{array} \quad \begin{array}{r} 4.0 \end{array}$$

$$\begin{array}{r} 4.2 \\ 40 \end{array} \quad \begin{array}{r} 4.2 \\ 28.8 \end{array} \quad \begin{array}{r} c.4.2 \\ 35.4 \end{array} \quad \begin{array}{r} 8.7 \\ 18 \end{array} \quad \begin{array}{r} 8.2 \\ 15 \end{array} \quad \begin{array}{r} 7.7 \\ 8 \end{array} \quad \begin{array}{r} 8.0 \\ 10 \end{array} \quad \begin{array}{r} 7.4 \\ 13 \end{array} \quad \begin{array}{r} 6.8 \\ 21 \end{array} \quad \begin{array}{r} c.2.1 \\ 31.2 \end{array} \quad \begin{array}{r} 58.68 \\ 13.537 \end{array}$$

$$\begin{array}{r} 1.6 \\ 37 \end{array} \quad \begin{array}{r} 2.6 \\ 37 \end{array} \quad \begin{array}{r} c.4.7 \\ 36.4 \end{array} \quad \begin{array}{r} 8.2 \\ 27 \end{array} \quad \begin{array}{r} 8.2 \\ 21 \end{array} \quad \begin{array}{r} 7.7 \\ 15 \end{array} \quad \begin{array}{r} 6.8 \\ 8 \end{array} \quad \begin{array}{r} 7.3 \\ 11 \end{array} \quad \begin{array}{r} 6.8 \\ 17 \end{array} \quad \begin{array}{r} 4.8 \\ 24 \end{array} \quad \begin{array}{r} c.2.5 \\ 32.0 \end{array} \quad \begin{array}{r} 1.7 \\ 35 \end{array} \quad \begin{array}{r} 5.8 \\ 38 \end{array}$$

	T. P.	8.60	94.50	6.11	8.790	Ground E
180+00			944.05			937.9
179+50						938.5
179+10						938.9
178+50						939.7
178+00						938.7
177+50						939.4
177+00						939.8
176+50						940.2
176+00						940.4
175+60			947.13		941.49	940.5
T. P.	564	99.58	256	93.94		
175+00						940.7
174+50						940.9
174+00						941.3

50.

L

1/40, 31

$$\begin{array}{r} \frac{27}{40} \quad \frac{27}{35} \quad \frac{348}{24} \quad \frac{82}{16} \quad \frac{6.3}{13} \quad \frac{6.7}{0} \quad \frac{6.1}{9.6} \quad \frac{6.6}{11.6} \quad \frac{6.8}{22} \quad \frac{36}{22} \quad \frac{32.9}{32.8} \quad \frac{38}{40} \end{array}$$

$$\begin{array}{r} \frac{2.5}{37} \quad \frac{33.8}{21.6} \quad \frac{2.5}{18} \quad \frac{6.5}{13.6} \quad \frac{5.8}{0} \quad \frac{5.5}{9} \quad \frac{5.8}{11.3} \quad \frac{6.2}{19} \quad \frac{4.4}{19} \quad \frac{30.6}{30.6} \quad \frac{40}{42} \end{array}$$

$$\begin{array}{r} \frac{2.9}{21} \quad \frac{32.4}{25.6} \quad \frac{3.1}{17.6} \quad \frac{6.0}{15.1} \quad \frac{5.5}{0} \quad \frac{5.1}{10} \quad \frac{5.5}{14} \quad \frac{5.6}{20.6} \quad \frac{4.6}{20.6} \quad \frac{29.0}{29.0} \quad \frac{4.6}{36} \end{array}$$

$$\begin{array}{r} \frac{3.3}{40} \quad \frac{3.6}{24.4} \quad \frac{28.8}{28.8} \quad \frac{5.2}{19} \quad \frac{5.0}{17} \quad \frac{4.3}{9} \quad \frac{4.8}{13.6} \quad \frac{5.2}{30.6} \quad \frac{4.7}{30.6} \quad \frac{27.2}{27.2} \quad \frac{4.0}{35} \end{array}$$

$$\begin{array}{r} \frac{6.8}{40} \quad \frac{6.4}{26} \quad \frac{25.0}{23.8} \quad \frac{6.9}{14.8} \quad \frac{2.0}{17} \quad \frac{6.1}{0} \quad \frac{5.3}{9} \quad \frac{5.8}{13} \quad \frac{6.8}{16.8} \quad \frac{5.5}{16.8} \quad \frac{28.0}{28.0} \quad \frac{5.1}{35.6} \end{array}$$

$$\begin{array}{r} \frac{5.5}{37} \quad \frac{5.3}{32} \quad \frac{27.0}{22.6} \quad \frac{5.2}{20} \quad \frac{5.4}{16.6} \quad \frac{4.6}{0} \quad \frac{5.2}{9} \quad \frac{5.7}{12} \quad \frac{4.9}{16.8} \quad \frac{27.2}{28.8} \quad \frac{4.8}{37} \end{array}$$

$$\begin{array}{r} \frac{4.7}{37} \quad \frac{4.4}{24} \quad \frac{27.6}{21} \quad \frac{5.6}{14.7} \quad \frac{5.7}{16} \quad \frac{4.7}{0} \quad \frac{4.2}{8} \quad \frac{4.7}{12} \quad \frac{4.6}{18.0} \quad \frac{27.0}{27.0} \quad \frac{4.6}{27.25} \end{array}$$

$$\begin{array}{r} \frac{4.7}{38} \quad \frac{4.2}{27.4} \quad \frac{4.8}{25} \quad \frac{25.4}{20} \quad \frac{5.2}{18} \quad \frac{5.0}{16} \quad \frac{4.4}{0} \quad \frac{3.8}{9} \quad \frac{4.2}{11.3} \quad \frac{4.2}{16} \quad \frac{4.7}{20.4} \quad \frac{27.0}{35} \end{array}$$

$$\begin{array}{r} \frac{4.4}{38} \quad \frac{4.2}{21.2} \quad \frac{25.6}{20.6} \quad \frac{5.2}{19} \quad \frac{4.9}{15.6} \quad \frac{4.2}{0} \quad \frac{3.6}{8.1} \quad \frac{4.1}{12.6} \quad \frac{5.1}{5.6} \quad \frac{4.4}{18.1} \quad \frac{27.6}{27.6} \quad \frac{3.9}{36} \end{array}$$

$$\begin{array}{r} \frac{4.6}{38} \quad \frac{25.2}{22} \quad \frac{4.2}{14.6} \quad \frac{5.3}{15} \quad \frac{4.0}{0} \quad \frac{3.5}{11} \quad \frac{3.9}{12} \quad \frac{5.0}{18} \quad \frac{3.8}{18} \quad \frac{27.6}{27.6} \quad \frac{33}{35} \end{array}$$

$$\begin{array}{r} \frac{7.2}{36} \quad \frac{27.8}{25} \quad \frac{6.4}{40} \quad \frac{8.2}{18} \quad \frac{7.2}{0} \quad \frac{6.4}{8} \quad \frac{6.6}{12} \quad \frac{8.1}{16} \quad \frac{7.5}{18} \quad \frac{6.6}{18} \quad \frac{28.0}{28.0} \quad \frac{6.2}{41} \end{array}$$

$$\begin{array}{r} \frac{7.0}{38} \quad \frac{27.0}{23} \quad \frac{6.7}{19} \quad \frac{7.6}{16} \quad \frac{6.7}{0} \quad \frac{6.2}{9} \quad \frac{6.5}{12.6} \quad \frac{7.6}{17} \quad \frac{6.8}{17} \quad \frac{27.6}{27.6} \quad \frac{6.0}{40} \end{array}$$

$$\begin{array}{r} \frac{6.1}{32} \quad \frac{28.2}{24.4} \quad \frac{6.9}{13.6} \quad \frac{7.1}{16} \quad \frac{6.2}{0} \quad \frac{5.8}{9} \quad \frac{6.1}{13} \quad \frac{6.8}{19} \quad \frac{5.8}{19} \quad \frac{27.2}{27.2} \quad \frac{6.1}{27} \end{array}$$

		941.13	943.94	Ground
T.P.	9.21	106.10	16.39	
173+55		953.65		941.7
173+00		950.25	942.49	941.9
T.P.	2.76	102.76	6.16	99.94 100.00
172+50				942.0
172+00				942.4
171+50				943.0
171+00				943.6
170+50				944.0
170+00		952.49	947.55	944.4
T.P.	4.94	104.94	100.00	
169+50				945.0
169+00				945.6
168+50				946.0
168+00				946.2
167+50				946.6

50.

£

No. 32

<u>D.C.05</u>										<u>C.O.0</u>
6.2	6.1	25.2	70	58	52	60	6.7	59	27.0	58
40	23		19.4	16	00	9.6	13	18.4	33	

<u>D.0.7</u>										<u>C.O.1</u>
6.1	25.4	60	6.7	54	5.2	5.7	6.4	5.8	27.2	53
37.6		25.3	11	15.6	00	9.6	12.0	18	37	

B.M. 116.54 . 166 + 23

<u>D.C.0.8</u>										<u>C.O.3</u>
9.0	25.6	8.7	9.8	8.9	8.2	8.6	9.4	8.5	27.6	8.3
38		22.7	18.9	16.8	00	10.2	14.0	16.5	31	43

<u>D.C.0.7</u>										<u>C.O.6</u>
8.7	25.4	8.5	9.1	8.4	7.8	8.1	9.0	8.0	28.2	7.6
40		23.6	19	15.0	00	10.8	13.8	17.8	39	

<u>D.C.0.8</u>										<u>C.O.1</u>
8.4	8.2	25.6	8.0	8.9	8.0	7.2	7.5	8.5	8.2	27.2
40	31		22.5	18.0	14.3	00	10.5	14.3	17.4	19.6

<u>D.0.7</u>										<u>C.O.0</u>
8.0	7.8	25.4	7.3	8.3	7.2	6.6	7.1	8.4	7.2	27.0
40	32		21.3	17.6	13.4	00	10.3	15.5	18.2	30

<u>D.C.0.1</u>										<u>D.C.0.7</u>
7.7	24.2	7.7	8.1	6.9	6.2	6.5	7.4	6.9	25.4	6.9
40		21.6	17.6	13.5	00	11.0	16.0	19.1	38	

<u>D.C.0.2</u>										<u>D.C.0.2</u>
7.3	7.3	24.4	7.0	7.7	6.5	5.8	6.2	7.5	6.6	24.4
40	30.4		23	17.0	12.0	00	11.5	17.0	22.0	40.0

<u>C.O.1</u>										<u>F.1.4</u>
7.3	7.5	27.4	7.7	8.5	7.9	7.5	7.9	9.5	9.1	20.8
40	31		17.0	13.4	11.3	00	12.8	20.6	27.6	40.0

<u>C.O.5</u>										<u>F.3.2</u>
7.3	7.0	28.0	6.8	7.4	7.2	6.9	7.4	10.4	10.3	24.4
40	30		20.6	14.6	12.0	00	11.6	20.6	25.6	32.43

<u>F.1.9</u>										<u>F.4.2</u>
9.8	21.8	9.4	8.8	8.4	7.1	6.5	7.1	10.8	10.9	26.4
38.0		21.6	22.4	19.0	12	00	12.6	22.0	26.4	37.45

<u>F.2.4</u>										<u>F.3.6</u>
9.3	9.3	24.8	9.0	8.2	6.7	6.3	6.6	10.3	10.1	25.2
40	30		25	16.0	11.4	00	12.8	20.3	27.0	34.43

<u>F.1.9</u>										<u>F.3.0</u>
9.7	21.8	9.4	8.2	6.1	5.9	6.5	8.2	9.3	8.6	24.0
40		27.8	22.6	10.0	00	14.0	19.0	24.0	31	36.47

	T	H. I	E	Ground
B. M.	4.83	952.38 104.83	947.55 100.00	9
167+00				947.3
166+50				948.0
166+00				948.5
165+50		955.05 ✓	949.61 ✓	948.8
T.P.	5.44	107.50	2.77 102.06	
165+00				949.2
164+95				
164+55				949.4
164+42				949.6
164+40				949.6
164+00				949.8
163+50				950.4
163+00				950.9
162+50				951.6
162+00		955.77 ✓	952.35 ✓	951.9
T.P.	3.42	108.22	2.70 104.80	
161+50				951.4
161+00				950.7

P. 23 No.
Sta. 1664 22

50.

No. 33

$\begin{array}{r} 9.3 \\ 40 \end{array}$ $\begin{array}{r} 9.1 \\ 34 \end{array}$ $\begin{array}{r} 8.3 \\ 23.8 \end{array}$ $\begin{array}{r} 7.8 \\ 19 \end{array}$ $\begin{array}{r} 5.9 \\ 13 \end{array}$ $\begin{array}{r} 5.1 \\ 00 \end{array}$ $\begin{array}{r} 5.8 \\ 14 \end{array}$ $\begin{array}{r} 2.0 \\ 22 \end{array}$ $\begin{array}{r} 8.6 \\ 24.4 \end{array}$ $\begin{array}{r} 3.0 \\ 37 \end{array}$ $\begin{array}{r} 3.0 \\ 40 \end{array}$

$\begin{array}{r} 10.6 \\ 40 \end{array}$ $\begin{array}{r} 9.4 \\ 27.4 \end{array}$ $\begin{array}{r} 8.3 \\ 21 \end{array}$ $\begin{array}{r} 4.9 \\ 11 \end{array}$ $\begin{array}{r} 4.4 \\ 0 \end{array}$ $\begin{array}{r} 5.3 \\ 15 \end{array}$ $\begin{array}{r} 7.4 \\ 19 \end{array}$ $\begin{array}{r} 8.2 \\ 25 \end{array}$ $\begin{array}{r} 8.3 \\ 28 \end{array}$ $\begin{array}{r} 1.6 \\ 39 \end{array}$

$\begin{array}{r} 11.0 \\ 40 \end{array}$ $\begin{array}{r} 10.0 \\ 29.6 \end{array}$ $\begin{array}{r} 8.6 \\ 18 \end{array}$ $\begin{array}{r} 4.6 \\ 10 \end{array}$ $\begin{array}{r} 3.9 \\ 0 \end{array}$ $\begin{array}{r} 4.3 \\ 13 \end{array}$ $\begin{array}{r} 5.4 \\ 18 \end{array}$ $\begin{array}{r} 4.5 \\ 23 \end{array}$ $\begin{array}{r} 1.6 \\ 32.6 \end{array}$ $\begin{array}{r} 0.4 \\ 43 \end{array}$

$\begin{array}{r} 10.5 \\ 42 \end{array}$ $\begin{array}{r} 9.7 \\ 29.6 \end{array}$ $\begin{array}{r} 8.5 \\ 18 \end{array}$ $\begin{array}{r} 4.2 \\ 10 \end{array}$ $\begin{array}{r} 3.6 \\ 0 \end{array}$ $\begin{array}{r} 4.1 \\ 15 \end{array}$ $\begin{array}{r} 5.0 \\ 20 \end{array}$ $\begin{array}{r} 2.4 \\ 27 \end{array}$ $\begin{array}{r} 1.6 \\ 32.0 \end{array}$ $\begin{array}{r} 1.3 \\ 42 \end{array}$

$\begin{array}{r} 11.9 \\ 41 \end{array}$ $\begin{array}{r} 10.5 \\ 26.8 \end{array}$ $\begin{array}{r} 9.3 \\ 17.5 \end{array}$ $\begin{array}{r} 6.2 \\ 11 \end{array}$ $\begin{array}{r} 5.8 \\ 0 \end{array}$ $\begin{array}{r} 5.9 \\ 10 \end{array}$ $\begin{array}{r} 6.5 \\ 17 \end{array}$ $\begin{array}{r} 5.9 \\ 24 \end{array}$ $\begin{array}{r} 3.5 \\ 29 \end{array}$ $\begin{array}{r} 3.2 \\ 35.2 \end{array}$

$\begin{array}{r} 10.2 \\ 36 \end{array}$ $\begin{array}{r} 9.2 \\ 24.6 \end{array}$ $\begin{array}{r} 8.1 \\ 16 \end{array}$ $\begin{array}{r} 5.9 \\ 11 \end{array}$ $\begin{array}{r} 5.6 \\ 0 \end{array}$ $\begin{array}{r} 5.6 \\ 11 \end{array}$ $\begin{array}{r} 5.7 \\ 18 \end{array}$ $\begin{array}{r} 3.6 \\ 22 \end{array}$ $\begin{array}{r} 3.2 \\ 40 \end{array}$

$\begin{array}{r} 9.0 \\ 38 \end{array}$ $\begin{array}{r} 8.3 \\ 23.6 \end{array}$ $\begin{array}{r} 7.5 \\ 16.6 \end{array}$ $\begin{array}{r} 5.7 \\ 10 \end{array}$ $\begin{array}{r} 5.2 \\ 0 \end{array}$ $\begin{array}{r} 5.3 \\ 11 \end{array}$ $\begin{array}{r} 5.3 \\ 17 \end{array}$ $\begin{array}{r} 4.4 \\ 23 \end{array}$ $\begin{array}{r} 2.4 \\ 27 \end{array}$ $\begin{array}{r} 2.0 \\ 34.4 \end{array}$ $\begin{array}{r} 1.4 \\ 44 \end{array}$

$\begin{array}{r} 6.8 \\ 40 \end{array}$ $\begin{array}{r} 6.3 \\ 24.4 \end{array}$ $\begin{array}{r} 5.8 \\ 18 \end{array}$ $\begin{array}{r} 5.2 \\ 10 \end{array}$ $\begin{array}{r} 4.6 \\ 0 \end{array}$ $\begin{array}{r} 4.8 \\ 13 \end{array}$ $\begin{array}{r} 4.7 \\ 21 \end{array}$ $\begin{array}{r} 2.7 \\ 26 \end{array}$ $\begin{array}{r} 2.5 \\ 32.2 \end{array}$ $\begin{array}{r} 2.5 \\ 42 \end{array}$

$\begin{array}{r} 4.4 \\ 40 \end{array}$ $\begin{array}{r} 3.8 \\ 28.6 \end{array}$ $\begin{array}{r} 3.8 \\ 22 \end{array}$ $\begin{array}{r} 4.3 \\ 11 \end{array}$ $\begin{array}{r} 4.1 \\ 0 \end{array}$ $\begin{array}{r} 4.4 \\ 12 \end{array}$ $\begin{array}{r} 4.8 \\ 17 \end{array}$ $\begin{array}{r} 3.7 \\ 24 \end{array}$ $\begin{array}{r} 3.9 \\ 28.4 \end{array}$ $\begin{array}{r} 4.0 \\ 43 \end{array}$

$\begin{array}{r} 4.6 \\ 40 \end{array}$ $\begin{array}{r} 3.8 \\ 25.8 \end{array}$ $\begin{array}{r} 3.7 \\ 11 \end{array}$ $\begin{array}{r} 3.4 \\ 0 \end{array}$ $\begin{array}{r} 3.7 \\ 14 \end{array}$ $\begin{array}{r} 3.1 \\ 20 \end{array}$ $\begin{array}{r} 2.4 \\ 26 \end{array}$ $\begin{array}{r} 2.9 \\ 29 \end{array}$ $\begin{array}{r} 2.8 \\ 40 \end{array}$

$\begin{array}{r} 2.2 \\ 43 \end{array}$ $\begin{array}{r} 1.4 \\ 31.4 \end{array}$ $\begin{array}{r} 0.9 \\ 25 \end{array}$ $\begin{array}{r} 1.7 \\ 16 \end{array}$ $\begin{array}{r} 3.3 \\ 11 \end{array}$ $\begin{array}{r} 3.1 \\ 0 \end{array}$ $\begin{array}{r} 2.5 \\ 13 \end{array}$ $\begin{array}{r} 3.3 \\ 24 \end{array}$ $\begin{array}{r} 2.9 \\ 28.4 \end{array}$ $\begin{array}{r} 2.1 \\ 44 \end{array}$

$\begin{array}{r} 2.6 \\ 46 \end{array}$ $\begin{array}{r} 2.5 \\ 33.8 \end{array}$ $\begin{array}{r} 1.8 \\ 23 \end{array}$ $\begin{array}{r} 5.0 \\ 17 \end{array}$ $\begin{array}{r} 5.1 \\ 12 \end{array}$ $\begin{array}{r} 4.4 \\ 0 \end{array}$ $\begin{array}{r} 4.6 \\ 13 \end{array}$ $\begin{array}{r} 4.3 \\ 24 \end{array}$ $\begin{array}{r} 4.2 \\ 28.2 \end{array}$ $\begin{array}{r} 3.8 \\ 40 \end{array}$

$\begin{array}{r} 3.9 \\ 43 \end{array}$ $\begin{array}{r} 3.1 \\ 32 \end{array}$ $\begin{array}{r} 3.2 \\ 28 \end{array}$ $\begin{array}{r} 3.7 \\ 20 \end{array}$ $\begin{array}{r} 5.5 \\ 13 \end{array}$ $\begin{array}{r} 5.4 \\ 10 \end{array}$ $\begin{array}{r} 5.1 \\ 0 \end{array}$ $\begin{array}{r} 5.2 \\ 110 \end{array}$ $\begin{array}{r} 5.5 \\ 17 \end{array}$ $\begin{array}{r} 3.4 \\ 30 \end{array}$ $\begin{array}{r} 4.2 \\ 42 \end{array}$

156+50		955.77			Ground
		108.22			2
160+50		952.67			949.9
T.P.	4.18	1051.2	7.28	948.44	100.94
160+00					948.9
159+50					948.3
159+00					948.0
158+75					948.5
158+65					948.5
158+45					948.6
158+30				Lexington	948.5
158+22					948.4
157+50					
B.M.	2.38	953.10		950.74	
		105.55	1.95	10.3.17	
158+00					948.0
157+50					947.8
157+00					947.8
156+50					947.9
156+00					947.8
155+50					947.6
155+00					947.8
154+50					947.9

30.

2

170. 34

$\frac{7.5}{40}$ $\frac{7.0}{24.8}$ $\frac{6.9}{20}$ $\frac{6.4}{11}$ $\frac{5.9}{00}$ $\frac{6.1}{12}$ $\frac{5.7}{18}$ $\frac{5.2}{29.4}$ $\frac{5.0}{35}$

$\frac{5.4}{36.0}$ $\frac{5.3}{24.0}$ $\frac{4.7}{14}$ $\frac{3.8}{00}$ $\frac{4.1}{110}$ $\frac{6.4}{15.6}$ $\frac{6.4}{22.6}$ $\frac{6.1}{29.0}$ $\frac{6.4}{40}$

$\frac{5.8}{36.0}$ $\frac{5.9}{24.0}$ $\frac{5.1}{12.4}$ $\frac{4.4}{00}$ $\frac{4.8}{10.6}$ $\frac{7.3}{16.0}$ $\frac{7.1}{22.4}$ $\frac{7.0}{26.0}$ $\frac{7.0}{35}$

Gas Str.

$\frac{5.0}{36.0}$ $\frac{5.2}{24.0}$ $\frac{5.2}{12.6}$ $\frac{4.7}{00}$ $\frac{5.2}{11.0}$ $\frac{7.2}{16.0}$ $\frac{7.8}{23.6}$ $\frac{7.5}{26.0}$ $\frac{7.1}{36.0}$

$\frac{4.3}{50.0}$ $\frac{4.9}{20.3}$ $\frac{4.6}{14.2}$ $\frac{4.2}{00}$ $\frac{5.0}{17.6}$ $\frac{7.0}{25.0}$ $\frac{7.1}{50.0}$

$\frac{4.2}{50.0}$ $\frac{4.2}{00}$ $\frac{4.2}{50.0}$

$\frac{4.0}{30.0}$ $\frac{4.1}{00}$ $\frac{4.2}{50.0}$

$\frac{4.2}{50.0}$ $\frac{4.2}{00}$ $\frac{4.4}{50}$

$\frac{5.9}{50.0}$ $\frac{5.9}{42.0}$ $\frac{4.7}{30.4}$ $\frac{4.3}{00}$ $\frac{4.9}{11.3}$ $\frac{4.8}{50.0}$

Station P.P. 22' No. Sta. 158+14

$\frac{5.9}{40.0}$ $\frac{6.3}{32}$ $\frac{7.2}{22.0}$ $\frac{7.0}{21.2}$ $\frac{6.8}{19}$ $\frac{5.7}{11.0}$ $\frac{5.1}{00}$ $\frac{5.5}{10.0}$ $\frac{5.6}{27.0}$ $\frac{5.5}{40.0}$

$\frac{5.8}{40.0}$ $\frac{6.3}{31.6}$ $\frac{5.9}{23.6}$ $\frac{7.2}{21.2}$ $\frac{7.0}{18.6}$ $\frac{6.2}{16.0}$ $\frac{5.3}{00}$ $\frac{5.6}{11.0}$ $\frac{7.6}{19.0}$ $\frac{7.9}{22.6}$ $\frac{8.2}{27.0}$ $\frac{8.8}{40}$

Drive $\frac{5.6}{40.0}$ $\frac{5.7}{32}$ $\frac{6.0}{16.0}$ $\frac{5.3}{0.0}$ $\frac{5.7}{11.0}$ $\frac{7.9}{19.0}$ $\frac{8.0}{22.8}$ $\frac{8.5}{20.0}$

$\frac{5.0}{40}$ $\frac{5.9}{32}$ $\frac{5.4}{24.6}$ $\frac{6.0}{20.0}$ $\frac{7.5}{19.6}$ $\frac{6.0}{16.5}$ $\frac{5.2}{00}$ $\frac{5.8}{12.0}$ $\frac{8.0}{19.6}$ $\frac{8.1}{23.8}$ $\frac{8.7}{20.0}$

$\frac{6.6}{40.0}$ $\frac{7.2}{32}$ $\frac{6.8}{24.0}$ $\frac{6.8}{22.8}$ $\frac{7.8}{20}$ $\frac{5.6}{14.0}$ $\frac{5.3}{00}$ $\frac{5.7}{12.0}$ $\frac{7.8}{18.0}$ $\frac{8.5}{23.4}$ $\frac{8.5}{40}$

$\frac{7.1}{40.0}$ $\frac{8.1}{28}$ $\frac{8.1}{22.8}$ $\frac{8.0}{19.3}$ $\frac{6.2}{14.0}$ $\frac{5.4}{00}$ $\frac{5.8}{13.0}$ $\frac{7.1}{18.6}$ $\frac{7.2}{21.0}$ $\frac{6.7}{24.0}$ $\frac{6.4}{40}$

$\frac{6.7}{40}$ $\frac{7.2}{32}$ $\frac{7.6}{29}$ $\frac{8.7}{24.6}$ $\frac{8.9}{24.6}$ $\frac{8.6}{19.0}$ $\frac{5.9}{12.6}$ $\frac{5.3}{00}$ $\frac{5.6}{13.8}$ $\frac{7.1}{19.4}$ $\frac{7.1}{21.0}$ $\frac{7.1}{32.6}$ $\frac{7.0}{40.0}$

$\frac{6.1}{45.0}$ $\frac{6.3}{34.0}$ $\frac{6.2}{27.0}$ $\frac{8.2}{21.8}$ $\frac{8.1}{18.6}$ $\frac{5.8}{12.6}$ $\frac{5.2}{00}$ $\frac{5.6}{13.6}$ $\frac{6.5}{18.0}$ $\frac{6.3}{24.8}$ $\frac{5.6}{27.0}$ $\frac{5.2}{40}$

		+	H.T.	-	E.I.	Ground E
			953.10 10555 953.43		947.70	
T.P.	5.73		105.88	5.40	100.15	
154+00						948.1
153+50						948.1
153+00						948.1
152+50						948.3
152+00						948.7
151+50						948.9
151+00						949.4
T.P.	6.78		957.11 109.56	3.10	950.33 102.78	
150+50						950.3
150+00						951.1
149+50						951.5
149+00						951.8

$\begin{array}{r} 200.0 \\ 7.1 \quad 6.5 \quad 8.2 \quad 8.2 \quad 5.9 \quad 5.3 \quad 5.7 \quad 6.8 \quad 6.3 \quad 5.2 \\ 36.0 \quad 24.4 \quad 21.0 \quad 18.6 \quad 13.0 \quad 0.0 \quad 13.6 \quad 19.4 \quad 25.0 \quad 40.0 \end{array}$

$\begin{array}{r} 200.0 \\ 6.7 \quad 6.7 \quad 8.7 \quad 6.1 \quad 5.3 \quad 5.7 \quad 6.8 \quad 6.3 \quad 6.0 \\ 4.0 \quad 24.2 \quad 19.3 \quad 15.0 \quad 0.0 \quad 14.0 \quad 18.6 \quad 25.0 \quad 40.0 \end{array}$

$\begin{array}{r} 200.0 \\ 5.9 \quad 5.8 \quad 8.7 \quad 6.0 \quad 5.3 \quad 5.9 \quad 7.5 \quad 7.6 \quad 6.8 \\ 42.0 \quad 26.0 \quad 20.0 \quad 14.3 \quad 0.0 \quad 13.0 \quad 18.2 \quad 22.0 \quad 42.0 \end{array}$

$\begin{array}{r} +3.3 \\ 3.1 \quad 2.3 \quad 2.4 \quad 8.5 \quad 5.6 \quad 5.1 \quad 5.7 \quad 6.9 \quad 8.0 \quad 8.0 \\ 4.0 \quad 33.6 \quad 29.6 \quad 20.0 \quad 15.0 \quad 0.0 \quad 13.0 \quad 21.0 \quad 34.0 \quad 40.0 \end{array}$

$\begin{array}{r} +5.5 \\ 1.1 \quad -0.3 \quad 5.9 \quad 8.6 \quad 5.3 \quad 4.7 \quad 5.2 \quad 2.7 \quad 8.1 \quad 9.2 \quad 9.2 \\ 38.0 \quad 32.6 \quad 23.0 \quad 19.6 \quad 15.0 \quad 0.0 \quad 14.6 \quad 22.0 \quad 24.2 \quad 36.0 \quad 40.0 \end{array}$

$\begin{array}{r} +2.9 \\ 1.1 \quad 2.1 \quad 1.3 \quad 5.6 \quad 6.6 \quad 5.3 \quad 4.5 \quad 5.3 \quad 9.2 \quad 10.1 \quad 10.5 \\ 40.0 \quad 32.8 \quad 33.6 \quad 29.0 \quad 20.0 \quad 14.6 \quad 0.0 \quad 13.0 \quad 24.8 \quad 28.6 \quad 40.0 \end{array}$

$\begin{array}{r} 200.0 \\ 2.3 \quad 2.6 \quad 4.8 \quad 5.5 \quad 5.7 \quad 4.5 \quad 4.0 \quad 4.8 \quad 8.9 \quad 9.9 \quad 10.5 \\ 40.0 \quad 32.6 \quad 28.3 \quad 24.0 \quad 17.0 \quad 11.6 \quad 0.0 \quad 12.6 \quad 22.0 \quad 29.2 \quad 42.0 \end{array}$

State Sta. 150+00

$\begin{array}{r} +4.6 \\ 2.2 \quad 2.7 \quad 2.7 \quad 8.9 \quad 9.1 \quad 7.7 \quad 6.8 \quad 7.6 \quad 8.4 \quad 10.7 \quad 11.3 \quad 12.8 \\ 26.0 \quad 36.2 \quad 35.0 \quad 21.6 \quad 18.6 \quad 13.8 \quad 0.0 \quad 13.0 \quad 16.6 \quad 22.4 \quad 26.4 \quad 40.0 \end{array}$

$\begin{array}{r} +3.6 \\ 3.1 \quad 2.9 \quad 2.9 \quad 8.2 \quad 8.2 \quad 6.5 \quad 6.0 \quad 6.6 \quad 8.3 \quad 8.6 \quad 10.5 \quad 11.0 \\ 4.0 \quad 34.3 \quad 32.4 \quad 22.6 \quad 17.2 \quad 11.6 \quad 0.0 \quad 12.0 \quad 19.3 \quad 22.6 \quad 35.0 \quad 40.0 \end{array}$

$\begin{array}{r} -1.9 \\ 6.2 \quad 6.1 \quad 7.8 \quad 7.5 \quad 6.1 \quad 5.6 \quad 5.9 \quad 6.7 \quad 6.9 \quad 8.1 \\ 20.0 \quad 31 \quad 21.8 \quad 16.0 \quad 11.6 \quad 0.0 \quad 13.0 \quad 20.6 \quad 24.4 \quad 40 \end{array}$

$\begin{array}{r} +1.7 \\ 4.8 \quad 5.1 \quad 7.6 \quad 7.5 \quad 5.8 \quad 5.3 \quad 5.9 \quad 6.5 \quad 7.9 \quad 8.5 \\ 40.0 \quad 38.4 \quad 21.6 \quad 17.6 \quad 12.0 \quad 0.0 \quad 12.0 \quad 17.0 \quad 22.6 \quad 40.0 \end{array}$

457.11
109.56

Ground
E

148+50

952.1

148+00

952.5

147+50

952.8

147+00

953.3

146+65

953.5

146+60

959.54 ✓

956.14

953.5

B.M

340

111.99

0.97

108.59

146+00

953.9

145+70

954.2

T.P.

415

960.29 ✓
112.74

956.14
108.59

145+45

954.4

145+39

954.5

145+26

E Side Road

954.5

145+15

954.5

145+09

954.6

50

E

No.

36

⁽¹⁰⁾
 0.4 0.6 0.5 6.4 67 55 50 57 6.4 67 6.4 8.0
 40 36.8 32.0 27.6 16.4 11.0 0.0 14.0 21.0 22.0 20.0 10.0

^(0.0) ^(1.7)
 1.9 2.0 5.1 6.6 6.9 5.3 4.6 5.3 6.6 7.4 7.7
 40 32.4 23.0 22.6 17.6 12.0 0.0 15.6 21.4 23.0 24.0

^(0.0) ^(2.0)
 -0.1 -0.1 2.8 6.3 4.7 4.3 4.9 6.6 7.7
 42.0 32.4 27.0 17.0 10.0 0.0 14.6 22.0 40.0

^(3.7) ^(1.7)
 0.4 0.4 0.9 2.0 5.5 5.7 4.3 3.6 4.3 5.8 7.4
 40 34.8 32.0 29.6 20.4 17.0 10.3 6.0 13.0 21.4 40.

^(0.2) ^(1.3)
 4.0 3.9 5.5 5.4 4.3 3.6 4.2 5.2 5.5
 40 27.4 21.6 16.6 11.6 0.0 14.0 20.6 40.0

Same 3.6 3.9 3.2 2.7
 0.0 11.6 26.4 40.0

Station RR 20' 1/4 Sta. 146+17 ^(0.008)
^(3.3)
 9.8 9.2 7.1 6.0 5.6 5.9 6.5 6.3 4.7 4.2
 41.0 24.6 15.0 10.0 0.0 12.0 18.0 25.6 25 20

^(4.4) ^(0.005)
 10.8 10.0 9.5 5.9 5.3 5.9 6.4 6.3 5.5 4.6 4.0
 40.0 26.8 22.6 13.0 0.0 12.6 18.0 25.0 32.6 36 40

9.2 9.2 7.4 5.9
 60.0 50.0 37.0 0.0 Same

7.4 7.4 7.2 5.8
 60 50 29.0 0.0

7.6 7.6 7.1 5.8 5.8 5.4 4.4
 60 50 24.0 20 23.0 40.8 30

7.5 7.4 7.1 5.8 5.7 8.0 7.6 6.2 5.4
 60.0 50.0 23.0 0.0 18.6 24.0 31.6 37.0 25.0

^(2.7)
 11.2 9.0 8.3 6.9 5.7 5.9 8.7 8.6 6.2 5.4
 41.0 50.0 35.6 18.0 0.0 16.6 23.4 26.0 37.0 40.0

960.29

11274

Ground
E

144+50

954.7

144+00

955.2

143+65

955.5

143+00

956.4

+

T. P.

4.72

962.90 ✓

115.35

21.11

958.18 ✓

110.63

142+50

957.0

142+00

957.4

141+50

957.5

141+00

957.5

965.69 ✓

118.14

3.37

959.53 ✓

111.98

T.P.

6.16

140+50

957.2

140+00

957.0

139+50

956.9

139+00

956.5

50

5

No. 37

$\begin{array}{r} 119 \\ 400 \end{array}$
 $\begin{array}{r} 114 \\ 288 \end{array}$
 $\begin{array}{r} 100 \\ 176 \end{array}$
 $\begin{array}{r} 67 \\ 106 \end{array}$
 $\begin{array}{r} 56 \\ 00 \end{array}$
 $\begin{array}{r} 61 \\ 136 \end{array}$
 $\begin{array}{r} 93 \\ 223 \end{array}$
 $\begin{array}{r} 92 \\ 250 \end{array}$
 $\begin{array}{r} 82 \\ 40.0 \end{array}$

$\begin{array}{r} 10.3 \\ 40.0 \end{array}$
 $\begin{array}{r} 9.6 \\ 26.4 \end{array}$
 $\begin{array}{r} 88 \\ 186 \end{array}$
 $\begin{array}{r} 58 \\ 116 \end{array}$
 $\begin{array}{r} 51 \\ 00 \end{array}$
 $\begin{array}{r} 57 \\ 126 \end{array}$
 $\begin{array}{r} 87 \\ 210 \end{array}$
 $\begin{array}{r} 9.1 \\ 254 \end{array}$
 $\begin{array}{r} 9.3 \\ 40.0 \end{array}$

$\begin{array}{r} 50 \\ 40.0 \end{array}$
 $\begin{array}{r} 5.3 \\ 27.0 \end{array}$
 $\begin{array}{r} 6.1 \\ 176 \end{array}$
 $\begin{array}{r} 51 \\ 166 \end{array}$
 $\begin{array}{r} 48 \\ 00 \end{array}$
 $\begin{array}{r} 54 \\ 130 \end{array}$
 $\begin{array}{r} 6.8 \\ 214 \end{array}$
 $\begin{array}{r} 7.4 \\ 306 \end{array}$
 $\begin{array}{r} 8.2 \\ 40.0 \end{array}$

$\begin{array}{r} 105 \\ 40.0 \end{array}$
 $\begin{array}{r} 10.4 \\ 366 \end{array}$
 $\begin{array}{r} 0.1 \\ 326 \end{array}$
 $\begin{array}{r} 54 \\ 284 \end{array}$
 $\begin{array}{r} 57 \\ 206 \end{array}$
 $\begin{array}{r} 46 \\ 170 \end{array}$
 $\begin{array}{r} 39 \\ 126 \end{array}$
 $\begin{array}{r} 44 \\ 00 \end{array}$
 $\begin{array}{r} 55 \\ 186 \end{array}$
 $\begin{array}{r} 57 \\ 20 \end{array}$
 $\begin{array}{r} 45 \\ 226 \end{array}$
 $\begin{array}{r} 47 \\ 256 \end{array}$
 $\begin{array}{r} 6.0 \\ 34 \end{array}$

$\begin{array}{r} 7.9 \\ 41.0 \end{array}$
 $\begin{array}{r} 7.8 \\ 368 \end{array}$

$\begin{array}{r} 3.5 \\ 43 \end{array}$
 $\begin{array}{r} 3.1 \\ 336 \end{array}$
 $\begin{array}{r} 2.9 \\ 290 \end{array}$
 $\begin{array}{r} 7.5 \\ 216 \end{array}$
 $\begin{array}{r} 7.7 \\ 166 \end{array}$
 $\begin{array}{r} 6.5 \\ 126 \end{array}$
 $\begin{array}{r} 5.9 \\ 00 \end{array}$
 $\begin{array}{r} 6.5 \\ 130 \end{array}$
 $\begin{array}{r} 7.1 \\ 190 \end{array}$
 $\begin{array}{r} 4.2 \\ 246 \end{array}$
 $\begin{array}{r} 5.0 \\ 276 \end{array}$
 $\begin{array}{r} 5.3 \\ 340 \end{array}$
 $\begin{array}{r} 7.8 \\ 40 \end{array}$

$\begin{array}{r} 3.2 \\ 40.0 \end{array}$
 $\begin{array}{r} 2.9 \\ 312 \end{array}$
 $\begin{array}{r} 3.8 \\ 276 \end{array}$
 $\begin{array}{r} 7.7 \\ 210 \end{array}$
 $\begin{array}{r} 7.6 \\ 170 \end{array}$
 $\begin{array}{r} 6.1 \\ 120 \end{array}$
 $\begin{array}{r} 5.5 \\ 00 \end{array}$
 $\begin{array}{r} 5.8 \\ 116 \end{array}$
 $\begin{array}{r} 6.4 \\ 170 \end{array}$
 $\begin{array}{r} 4.5 \\ 210 \end{array}$
 $\begin{array}{r} 5.5 \\ 280 \end{array}$
 $\begin{array}{r} 7.1 \\ 316 \end{array}$
 $\begin{array}{r} 8.0 \\ 36 \end{array}$

$\begin{array}{r} 4.1 \\ 41 \end{array}$
 $\begin{array}{r} 4.7 \\ 380 \end{array}$
 $\begin{array}{r} 5.8 \\ 262 \end{array}$
 $\begin{array}{r} 5.9 \\ 226 \end{array}$
 $\begin{array}{r} 5.7 \\ 116 \end{array}$
 $\begin{array}{r} 5.4 \\ 00 \end{array}$
 $\begin{array}{r} 5.8 \\ 113 \end{array}$
 $\begin{array}{r} 6.3 \\ 176 \end{array}$
 $\begin{array}{r} 6.1 \\ 206 \end{array}$
 $\begin{array}{r} 6.7 \\ 244 \end{array}$
 $\begin{array}{r} 8.2 \\ 336 \end{array}$
 $\begin{array}{r} 9.0 \\ 36 \end{array}$

$\begin{array}{r} 2.4 \\ 42.0 \end{array}$
 $\begin{array}{r} 2.6 \\ 376 \end{array}$
 $\begin{array}{r} 4.0 \\ 308 \end{array}$
 $\begin{array}{r} 5.7 \\ 176 \end{array}$
 $\begin{array}{r} 5.5 \\ 110 \end{array}$
 $\begin{array}{r} 5.4 \\ 00 \end{array}$
 $\begin{array}{r} 6.0 \\ 120 \end{array}$
 $\begin{array}{r} 6.3 \\ 200 \end{array}$
 $\begin{array}{r} 6.9 \\ 220 \end{array}$
 $\begin{array}{r} 8.9 \\ 32 \end{array}$
 $\begin{array}{r} 10.3 \\ 36.0 \end{array}$
 $\begin{array}{r} 10 \end{array}$

P.P. 25' N. 140 + 15

$\begin{array}{r} 4.2 \\ 41.0 \end{array}$
 $\begin{array}{r} 4.9 \\ 352 \end{array}$
 $\begin{array}{r} 8.7 \\ 150 \end{array}$
 $\begin{array}{r} 8.5 \\ 00 \end{array}$
 $\begin{array}{r} 8.8 \\ 120 \end{array}$
 $\begin{array}{r} 9.7 \\ 166 \end{array}$
 $\begin{array}{r} 11.3 \\ 230 \end{array}$
 $\begin{array}{r} 12.6 \\ 310 \end{array}$
 $\begin{array}{r} 14.0 \\ 40.0 \end{array}$

$\begin{array}{r} 4.1 \\ 40.0 \end{array}$
 $\begin{array}{r} 4.2 \\ 370 \end{array}$
 $\begin{array}{r} 7.9 \\ 226 \end{array}$
 $\begin{array}{r} 8.8 \\ 150 \end{array}$
 $\begin{array}{r} 8.7 \\ 00 \end{array}$
 $\begin{array}{r} 8.9 \\ 100 \end{array}$
 $\begin{array}{r} 9.3 \\ 170 \end{array}$
 $\begin{array}{r} 8.9 \\ 200 \end{array}$
 $\begin{array}{r} 9.4 \\ 256 \end{array}$
 $\begin{array}{r} 9.2 \\ 300 \end{array}$
 $\begin{array}{r} 11.3 \\ 40.0 \end{array}$

$\begin{array}{r} 4.4 \\ 40.0 \end{array}$
 $\begin{array}{r} 5.2 \\ 352 \end{array}$
 $\begin{array}{r} 8.0 \\ 260 \end{array}$
 $\begin{array}{r} 9.1 \\ 210 \end{array}$
 $\begin{array}{r} 9.0 \\ 126 \end{array}$
 $\begin{array}{r} 8.8 \\ 00 \end{array}$
 $\begin{array}{r} 9.7 \\ 110 \end{array}$
 $\begin{array}{r} 9.7 \\ 160 \end{array}$
 $\begin{array}{r} 4.8 \\ 226 \end{array}$
 $\begin{array}{r} 5.3 \\ 270 \end{array}$
 $\begin{array}{r} 5.8 \\ 330 \end{array}$
 $\begin{array}{r} 7.9 \\ 382 \end{array}$
 $\begin{array}{r} 7.9 \\ 40.0 \end{array}$

$\begin{array}{r} 3.5 \\ 40.0 \end{array}$
 $\begin{array}{r} 3.4 \\ 396 \end{array}$
 $\begin{array}{r} 3.4 \\ 350 \end{array}$
 $\begin{array}{r} 10.8 \\ 220 \end{array}$
 $\begin{array}{r} 11.0 \\ 160 \end{array}$
 $\begin{array}{r} 9.8 \\ 120 \end{array}$
 $\begin{array}{r} 9.2 \\ 00 \end{array}$
 $\begin{array}{r} 9.7 \\ 110 \end{array}$
 $\begin{array}{r} 10.6 \\ 180 \end{array}$
 $\begin{array}{r} 8.0 \\ 220 \end{array}$
 $\begin{array}{r} 5.7 \\ 230 \end{array}$
 $\begin{array}{r} 6.6 \\ 332 \end{array}$
 $\begin{array}{r} 7.1 \\ 360 \end{array}$
 $\begin{array}{r} 8.3 \\ 40 \end{array}$

+ H. - E. Ground
 965.64
 118.14
 959.35
 11.80

T.P. 4.38 10.72 954.97 107.42

138+50 955.8

138+00 955.3

137+50 954.7

137+00 954.3

136+50 954.0

136+00 954.0

135+50 954.1

~~135+00~~

T.P. 6.36 961.17 4.54 954.81
 113.62 107.26

135+00 954.2

134+50 953.9

134+00 954.1

(+0.7) $\frac{2.3}{40.0}$ $\frac{3.3}{28.4}$ $\frac{3.6}{24.0}$ $\frac{6.5}{20.0}$ $\frac{6.4}{18.0}$ $\frac{4.3}{13.0}$ $\frac{3.5}{0.0}$ $\frac{4.1}{10.0}$ $\frac{4.0}{15.0}$ $\frac{2.5}{18.0}$ $\frac{2.1}{30.8}$ $\frac{2.5}{40.0}$

(-4.7) $\frac{9.0}{40.0}$ $\frac{9.0}{27.4}$ $\frac{8.0}{19.6}$ $\frac{4.7}{12.0}$ $\frac{4.0}{0.0}$ $\frac{4.3}{10.0}$ $\frac{4.9}{14.0}$ $\frac{6.1}{17.0}$ $\frac{5.8}{21.0}$ $\frac{5.3}{26.0}$ $\frac{5.0}{40.0}$

(-6.0) $\frac{11.1}{40.0}$ $\frac{10.9}{30.0}$ $\frac{9.9}{22.0}$ $\frac{5.4}{15.0}$ $\frac{4.6}{0.0}$ $\frac{5.1}{13.0}$ $\frac{9.5}{21.0}$ $\frac{10.2}{28.6}$ $\frac{10.6}{40.0}$

(-4.8) $\frac{10.7}{40.0}$ $\frac{10.1}{27.6}$ $\frac{10.1}{22.0}$ $\frac{5.8}{13.0}$ $\frac{5.0}{0.0}$ $\frac{5.6}{12.0}$ $\frac{9.2}{20.0}$ $\frac{9.4}{26.0}$ $\frac{9.6}{40.0}$

(-5.6) $\frac{11.5}{40.0}$ $\frac{11.2}{29.2}$ $\frac{10.6}{21.0}$ $\frac{6.0}{12.6}$ $\frac{5.3}{0.0}$ $\frac{6.1}{14.0}$ $\frac{6.7}{17.6}$ $\frac{9.5}{22.6}$ $\frac{9.8}{26.4}$ $\frac{10.2}{40.0}$

(-3.8) $\frac{9.8}{40.0}$ $\frac{9.4}{25.6}$ $\frac{9.0}{19.0}$ $\frac{6.1}{13.0}$ $\frac{5.3}{0.0}$ $\frac{5.8}{12.0}$ $\frac{6.4}{17.0}$ $\frac{8.8}{22.0}$ $\frac{9.0}{24.8}$ $\frac{9.5}{40.0}$

(-2.2) $\frac{4.5}{40.0}$ $\frac{2.4}{27.0}$ $\frac{2.2}{22.0}$ $\frac{2.7}{20.0}$ $\frac{2.8}{17.6}$ $\frac{6.0}{12.0}$ $\frac{5.2}{0.0}$ $\frac{4.2}{14.0}$ $\frac{6.8}{20.0}$ $\frac{9.4}{24.0}$ $\frac{9.6}{26.4}$ $\frac{9.5}{40.0}$

(-1.2) $\frac{6.0}{40.0}$ $\frac{8.8}{21.0}$ $\frac{9.4}{16.6}$ $\frac{2.7}{12.0}$ $\frac{2.2}{0.0}$ $\frac{2.7}{12.0}$ $\frac{8.5}{17.6}$ $\frac{12.0}{26.0}$ $\frac{12.2}{27.8}$ $\frac{12.1}{40.0}$

(-3.5) $\frac{10.7}{40.0}$ $\frac{11.1}{33.0}$ $\frac{11.2}{18.6}$ $\frac{7.8}{11.6}$ $\frac{7.3}{0.0}$ $\frac{7.6}{12.0}$ $\frac{9.1}{20.6}$ $\frac{12.4}{27.6}$ $\frac{12.6}{40.0}$

(-3.7) $\frac{10.9}{40.0}$ $\frac{11.1}{25.4}$ $\frac{11.0}{18.0}$ $\frac{7.6}{11.6}$ $\frac{7.1}{0.0}$ $\frac{7.7}{12.0}$ $\frac{8.3}{20.0}$ $\frac{10.8}{27.0}$ $\frac{11.2}{28.0}$

961.17
113.62

Ground
E

133+00
mpt

954.3

133+00

954.6

132+90

954.7

132+50

955.0

B.M.

294

959.15

111.60

496

956.21

108.66

956.21

132+25

955.5

132+09.5

£

Hamline

955.8

131+95

955.8

131+88

955.5

131+50

955.0

131+00

954.6

130+50

953.9

130+10

953.1

50

Cold & Windy

No. 39

⁽⁻²⁰⁾
 $\begin{array}{r} 7.9 \\ 40.0 \end{array}$
 $\begin{array}{r} 9.3 \\ 22.2 \end{array}$
 $\begin{array}{r} 10.4 \\ 18.0 \end{array}$
 $\begin{array}{r} 7.6 \\ 12.0 \end{array}$
 $\begin{array}{r} 6.9 \\ 0.0 \end{array}$
 $\begin{array}{r} 7.4 \\ 11.0 \end{array}$
 $\begin{array}{r} 8.1 \\ 18.0 \end{array}$
 $\begin{array}{r} 7.1 \\ 25.0 \end{array}$
 $\begin{array}{r} 6.9 \\ 28.0 \end{array}$
 $\begin{array}{r} 6.5 \\ 40.0 \end{array}$

^{0.0}
 $\begin{array}{r} 6.7 \\ 40.0 \end{array}$
 $\begin{array}{r} 7.1 \\ 29.0 \end{array}$
 $\begin{array}{r} 7.0 \\ 12.0 \end{array}$
 $\begin{array}{r} 6.6 \\ 0.0 \end{array}$
 $\begin{array}{r} 6.9 \\ 11.0 \end{array}$
 $\begin{array}{r} 7.4 \\ 19.0 \end{array}$
 $\begin{array}{r} 6.4 \\ 28.4 \end{array}$
 $\begin{array}{r} 6.0 \\ 40.0 \end{array}$

^(3.0)
 $\begin{array}{r} 6.3 \\ 42.0 \end{array}$
 $\begin{array}{r} 6.9 \\ 32.6 \end{array}$
 $\begin{array}{r} 8.9 \\ 30.6 \end{array}$
 $\begin{array}{r} 9.8 \\ 24.0 \end{array}$
 $\begin{array}{r} 9.9 \\ 16.0 \end{array}$
 $\begin{array}{r} 6.9 \\ 11.0 \end{array}$
 $\begin{array}{r} 6.5 \\ 0.0 \end{array}$

Same

^(12.3)
 $\begin{array}{r} 7.8 \\ 40.0 \end{array}$
 $\begin{array}{r} 8.8 \\ 22.6 \end{array}$
 $\begin{array}{r} 8.7 \\ 17.6 \end{array}$
 $\begin{array}{r} 6.5 \\ 12.0 \end{array}$
 $\begin{array}{r} 6.2 \\ 0.0 \end{array}$
 $\begin{array}{r} 6.3 \\ 12.0 \end{array}$
 $\begin{array}{r} 7.0 \\ 23.6 \end{array}$
 $\begin{array}{r} 6.7 \\ 27.0 \end{array}$
 $\begin{array}{r} 6.1 \\ 40.0 \end{array}$

Spt. T.P. N.W. Hamline & Co. Rd. "B"

$\begin{array}{r} 4.7 \\ 50.0 \end{array}$
 $\begin{array}{r} 4.0 \\ 24.0 \end{array}$
 $\begin{array}{r} 3.6 \\ 0.0 \end{array}$
 $\begin{array}{r} 3.9 \\ 38.0 \end{array}$
 $\begin{array}{r} 3.7 \\ 50.0 \end{array}$

$\begin{array}{r} 3.5 \\ 50.0 \end{array}$
 $\begin{array}{r} 3.3 \\ 0.0 \end{array}$
 $\begin{array}{r} 2.8 \\ 50.0 \end{array}$

$\begin{array}{r} 3.4 \\ 50.0 \end{array}$
 $\begin{array}{r} 3.5 \\ 24.0 \end{array}$
 $\begin{array}{r} 3.3 \\ 0.0 \end{array}$
 $\begin{array}{r} 3.9 \\ 24.0 \end{array}$
 $\begin{array}{r} 3.9 \\ 50.0 \end{array}$

$\begin{array}{r} 6.3 \\ 50.0 \end{array}$
 $\begin{array}{r} 3.2 \\ 27.0 \end{array}$
 $\begin{array}{r} 4.1 \\ 24.0 \end{array}$
 $\begin{array}{r} 3.6 \\ 0.0 \end{array}$
 $\begin{array}{r} 4.1 \\ 16.0 \end{array}$
 $\begin{array}{r} 3.2 \\ 40.0 \end{array}$
 $\begin{array}{r} 3.1 \\ 50.0 \end{array}$

^(1.9)
 $\begin{array}{r} 5.6 \\ 40.0 \end{array}$
 $\begin{array}{r} 4.3 \\ 29.0 \end{array}$
 $\begin{array}{r} 6.3 \\ 21.8 \end{array}$
 $\begin{array}{r} 6.2 \\ 19.0 \end{array}$
 $\begin{array}{r} 4.6 \\ 13.0 \end{array}$
 $\begin{array}{r} 4.1 \\ 0.0 \end{array}$
 $\begin{array}{r} 4.4 \\ 11.0 \end{array}$
 $\begin{array}{r} 5.1 \\ 22.0 \end{array}$
 $\begin{array}{r} 3.6 \\ 29.0 \end{array}$
 $\begin{array}{r} 2.0 \\ 40.0 \end{array}$

^(-2.0)
 $\begin{array}{r} 5.9 \\ 41.0 \end{array}$
 $\begin{array}{r} 4.4 \\ 32.0 \end{array}$
 $\begin{array}{r} 6.4 \\ 27.6 \end{array}$
 $\begin{array}{r} 6.8 \\ 22.0 \end{array}$
 $\begin{array}{r} 6.9 \\ 18.6 \end{array}$
 $\begin{array}{r} 5.3 \\ 14.0 \end{array}$
 $\begin{array}{r} 4.5 \\ 0.0 \end{array}$
 $\begin{array}{r} 4.8 \\ 11.0 \end{array}$
 $\begin{array}{r} 5.7 \\ 18.0 \end{array}$
 $\begin{array}{r} 4.3 \\ 24.0 \end{array}$
 $\begin{array}{r} 2.5 \\ 32.0 \end{array}$
 $\begin{array}{r} 3.6 \\ 44.0 \end{array}$

^(2.8)
 $\begin{array}{r} 6.2 \\ 40.0 \end{array}$
 $\begin{array}{r} 6.0 \\ 31.6 \end{array}$
 $\begin{array}{r} 7.7 \\ 27.6 \end{array}$
 $\begin{array}{r} 8.3 \\ 23.6 \end{array}$
 $\begin{array}{r} 8.0 \\ 19.0 \end{array}$
 $\begin{array}{r} 5.8 \\ 14.6 \end{array}$
 $\begin{array}{r} 5.2 \\ 0.0 \end{array}$
 $\begin{array}{r} 5.8 \\ 12.0 \end{array}$
 $\begin{array}{r} 7.3 \\ 19.6 \end{array}$
 $\begin{array}{r} 8.7 \\ 24.0 \end{array}$
 $\begin{array}{r} 4.6 \\ 33.0 \end{array}$
 $\begin{array}{r} 4.6 \\ 41.0 \end{array}$

^(-3.2)
 $\begin{array}{r} 6.7 \\ 41.0 \end{array}$
 $\begin{array}{r} 6.3 \\ 31.6 \end{array}$
 $\begin{array}{r} 9.3 \\ 28.0 \end{array}$
 $\begin{array}{r} 9.5 \\ 24.4 \end{array}$
 $\begin{array}{r} 9.4 \\ 21.0 \end{array}$
 $\begin{array}{r} 6.6 \\ 13.6 \end{array}$
 $\begin{array}{r} 6.0 \\ 0.0 \end{array}$
 $\begin{array}{r} 6.3 \\ 10.0 \end{array}$
 $\begin{array}{r} 7.0 \\ 19.0 \end{array}$
 $\begin{array}{r} 6.6 \\ 25.8 \end{array}$
 $\begin{array}{r} 6.1 \\ 31.0 \end{array}$
 $\begin{array}{r} 5.8 \\ 40.0 \end{array}$

959.15

Ground

E

11160

958.33 ✓

956.21 ✓

T.P. 2.12

110.78

2.94

108.66

129+50

952.1

129+00

951.2 ✓

128+50

953.29 ✓

950.24 ✓

950.6

T.P.

3.05

105.74

8.09

102.69

128+00

950.4

127+50

950.0

127+00

949.6

126+50

949.1

126+00

948.7

125+50

948.5

125+00

948.4

124+50

948.5

T.P.

4.42

948.87 ✓

101.32

50.

No.

40.

$\begin{array}{r} 7.5 \\ 40.0 \end{array}$
 $\begin{array}{r} 8.0 \\ 31.0 \end{array}$
 $\begin{array}{r} 8.5 \\ 22.0 \end{array}$
 $\begin{array}{r} 8.6 \\ 18.0 \end{array}$
 $\begin{array}{r} 6.8 \\ 13.0 \end{array}$
 $\begin{array}{r} 4.2 \\ 0.0 \end{array}$
 $\begin{array}{r} 6.4 \\ 11.0 \end{array}$
 $\begin{array}{r} 7.9 \\ 17.0 \end{array}$
 $\begin{array}{r} 7.1 \\ 25.2 \end{array}$
 $\begin{array}{r} 7.3 \\ 40.0 \end{array}$

$\begin{array}{r} 10.2 \\ 40.0 \end{array}$
 $\begin{array}{r} 10.2 \\ 35.6 \end{array}$
 $\begin{array}{r} 11.1 \\ 25.4 \end{array}$
 $\begin{array}{r} 11.0 \\ 19.6 \end{array}$
 $\begin{array}{r} 7.8 \\ 11.6 \end{array}$
 $\begin{array}{r} 7.1 \\ 0.0 \end{array}$
 $\begin{array}{r} 7.9 \\ 12.6 \end{array}$
 $\begin{array}{r} 9.7 \\ 17.6 \end{array}$
 $\begin{array}{r} 9.6 \\ 22.4 \end{array}$
 $\begin{array}{r} 9.9 \\ 40.0 \end{array}$

$\begin{array}{r} 10.3 \\ 40.0 \end{array}$
 $\begin{array}{r} 10.6 \\ 33.0 \end{array}$
 $\begin{array}{r} 11.2 \\ 24.4 \end{array}$
 $\begin{array}{r} 10.8 \\ 18.6 \end{array}$
 $\begin{array}{r} 8.4 \\ 11.6 \end{array}$
 $\begin{array}{r} 7.7 \\ 0.0 \end{array}$
 $\begin{array}{r} 8.2 \\ 11.6 \end{array}$
 $\begin{array}{r} 10.6 \\ 17.0 \end{array}$
 $\begin{array}{r} 10.3 \\ 22.6 \end{array}$
 $\begin{array}{r} 10.8 \\ 40.0 \end{array}$

$\begin{array}{r} 5.3 \\ 40.0 \end{array}$
 $\begin{array}{r} 5.6 \\ 27.4 \end{array}$
 $\begin{array}{r} 6.7 \\ 25.0 \end{array}$
 $\begin{array}{r} 7.2 \\ 21.0 \end{array}$
 $\begin{array}{r} 6.8 \\ 19.0 \end{array}$
 $\begin{array}{r} 3.7 \\ 12.0 \end{array}$
 $\begin{array}{r} 2.9 \\ 0.0 \end{array}$
 $\begin{array}{r} 3.6 \\ 11.6 \end{array}$
 $\begin{array}{r} 5.4 \\ 17.0 \end{array}$
 $\begin{array}{r} 5.5 \\ 22.6 \end{array}$
 $\begin{array}{r} 5.4 \\ 40.0 \end{array}$

$\begin{array}{r} 5.5 \\ 4.0 \end{array}$
 $\begin{array}{r} 5.5 \\ 29.6 \end{array}$
 $\begin{array}{r} 7.6 \\ 26.0 \end{array}$
 $\begin{array}{r} 7.2 \\ 18.6 \end{array}$
 $\begin{array}{r} 4.1 \\ 13.0 \end{array}$
 $\begin{array}{r} 3.3 \\ 0.0 \end{array}$
 $\begin{array}{r} 3.9 \\ 12.6 \end{array}$
 $\begin{array}{r} 5.4 \\ 17.6 \end{array}$
 $\begin{array}{r} 5.3 \\ 21.4 \end{array}$
 $\begin{array}{r} 5.6 \\ 40.0 \end{array}$

$\begin{array}{r} 5.7 \\ 40.0 \end{array}$
 $\begin{array}{r} 5.5 \\ 26.4 \end{array}$
 $\begin{array}{r} 7.3 \\ 22.6 \end{array}$
 $\begin{array}{r} 7.2 \\ 17.0 \end{array}$
 $\begin{array}{r} 4.5 \\ 13.0 \end{array}$
 $\begin{array}{r} 3.7 \\ 0.0 \end{array}$
 $\begin{array}{r} 4.2 \\ 12.0 \end{array}$
 $\begin{array}{r} 5.5 \\ 18.0 \end{array}$
 $\begin{array}{r} 5.6 \\ 21.2 \end{array}$
 $\begin{array}{r} 5.9 \\ 40.0 \end{array}$

$\begin{array}{r} 6.6 \\ 40.0 \end{array}$
 $\begin{array}{r} 7.1 \\ 26.6 \end{array}$
 $\begin{array}{r} 8.1 \\ 25.2 \end{array}$
 $\begin{array}{r} 7.6 \\ 20.0 \end{array}$
 $\begin{array}{r} 4.8 \\ 13.0 \end{array}$
 $\begin{array}{r} 4.2 \\ 0.0 \end{array}$
 $\begin{array}{r} 4.6 \\ 11.6 \end{array}$
 $\begin{array}{r} 5.9 \\ 17.6 \end{array}$
 $\begin{array}{r} 5.9 \\ 20.8 \end{array}$
 $\begin{array}{r} 6.3 \\ 40.0 \end{array}$

$\begin{array}{r} 7.1 \\ 40.0 \end{array}$
 $\begin{array}{r} 7.4 \\ 32.0 \end{array}$
 $\begin{array}{r} 8.4 \\ 25.0 \end{array}$
 $\begin{array}{r} 8.1 \\ 19.0 \end{array}$
 $\begin{array}{r} 5.3 \\ 13.6 \end{array}$
 $\begin{array}{r} 4.6 \\ 0.0 \end{array}$
 $\begin{array}{r} 4.9 \\ 12.6 \end{array}$
 $\begin{array}{r} 6.3 \\ 17.6 \end{array}$
 $\begin{array}{r} 6.2 \\ 20.6 \end{array}$
 $\begin{array}{r} 6.2 \\ 40.0 \end{array}$

$\begin{array}{r} 7.6 \\ 40.0 \end{array}$
 $\begin{array}{r} 7.6 \\ 33.0 \end{array}$
 $\begin{array}{r} 8.1 \\ 24.0 \end{array}$
 $\begin{array}{r} 7.9 \\ 19.6 \end{array}$
 $\begin{array}{r} 5.8 \\ 13.0 \end{array}$
 $\begin{array}{r} 4.8 \\ 0.0 \end{array}$
 $\begin{array}{r} 5.3 \\ 12.6 \end{array}$
 $\begin{array}{r} 6.5 \\ 17.6 \end{array}$
 $\begin{array}{r} 6.6 \\ 21.0 \end{array}$
 $\begin{array}{r} 6.8 \\ 33.0 \end{array}$
 $\begin{array}{r} 6.4 \\ 40.0 \end{array}$

$\begin{array}{r} 7.6 \\ 40.0 \end{array}$
 $\begin{array}{r} 6.7 \\ 26.4 \end{array}$
 $\begin{array}{r} 7.3 \\ 21.2 \end{array}$
 $\begin{array}{r} 6.2 \\ 18.0 \end{array}$
 $\begin{array}{r} 5.7 \\ 12.6 \end{array}$
 $\begin{array}{r} 4.9 \\ 0.0 \end{array}$
 $\begin{array}{r} 5.5 \\ 13.6 \end{array}$
 $\begin{array}{r} 7.8 \\ 18.0 \end{array}$
 $\begin{array}{r} 6.9 \\ 21.4 \end{array}$
 $\begin{array}{r} 6.8 \\ 33.0 \end{array}$
 $\begin{array}{r} 6.3 \\ 40.0 \end{array}$

$\begin{array}{r} 7.7 \\ 40.0 \end{array}$
 $\begin{array}{r} 7.3 \\ 29.0 \end{array}$
 $\begin{array}{r} 7.4 \\ 22.6 \end{array}$
 $\begin{array}{r} 7.5 \\ 18.0 \end{array}$
 $\begin{array}{r} 5.4 \\ 12.6 \end{array}$
 $\begin{array}{r} 4.8 \\ 0.0 \end{array}$
 $\begin{array}{r} 5.6 \\ 12.6 \end{array}$
 $\begin{array}{r} 7.1 \\ 18.0 \end{array}$
 $\begin{array}{r} 6.9 \\ 21.6 \end{array}$
 $\begin{array}{r} 6.9 \\ 33.0 \end{array}$
 $\begin{array}{r} 6.6 \\ 40.0 \end{array}$

Stake on T.P. 20' H. 124 + 12

Growth
E

953.94 ✓

948.87

T.P.

5.07

106.39

101.32 ✓

124+00

948.3

123+50

948.4

123+00

948.5

122+50

948.6

122+00

948.9

121+50

949.2 ✓

121+00

949.5

120+50

949.7

120+00

954.75 ✓

949.60 ✓

949.7

T.P.

5.15

107.20

4.34

102.05

119+50

949.7

119+00

949.8

118+50

949.9

50.

L

No.

41.

(-2.1) 83 8.1 8.0 6.0 5.6 6.0 11.6 7.4 7.3 7.3
40.0 22.4 19.6 10.6 0.0 11.0 18.6 21.0 33.6 40.0

(-1.5) 8.0 7.3 7.5 6.0 5.5 6.0 7.4 7.4 7.4
40.0 21.0 18.0 12.6 9.0 11.0 18.4 21.2 40.0

(-2.9) 7.1 6.6 8.6 8.6 6.6 5.7 5.4 6.0 6.8 6.2 7.2
40.0 27.6 23.6 18.6 15.0 11.0 9.0 11.6 20.6 24.4 40.0

(-2.6) 6.4 5.9 8.3 8.3 8.1 6.4 5.7 5.3 5.8 6.4 6.5 6.8
42.0 27.0 24.6 23.2 11.0 14.6 10.0 0.0 12.0 20.0 24.6 40.0

(-2.8) 6.1 5.6 8.1 8.0 5.9 5.5 5.0 5.4 5.7 5.7 5.6
40.0 27.4 23.6 18.0 14.6 10.4 0.0 11.0 20.0 25.6 40.0

(-2.7) 5.8 5.3 7.1 7.4 7.1 5.9 5.2 4.7 5.1 5.4 5.2 5.2
40.0 28.0 25.4 23.4 18.4 14.6 11.0 0.0 10.0 25.6 33.4 40.0

(-2.9) 5.8 5.5 7.4 7.6 7.4 5.4 4.9 4.4 4.6 5.1 5.1
40.0 28.0 26.0 23.8 18.4 14.0 11.0 0.0 11.4 25.6 40.0

(-1.7) 5.6 4.8 5.3 6.2 6.2 4.9 4.6 4.2 4.6 5.1 5.1
40.0 30.0 23.6 24.4 17.6 14.4 10.0 0.0 11.0 25.2 40.0

(-1.5) 5.9 5.4 6.0 4.6 4.2 4.4 5.6 5.5 5.5
40.0 28.0 21.0 10.6 0.0 11.0 20.0 24.4 40.0

(-2.8) 6.7 6.0 8.1 8.1 7.6 5.9 5.4 5.0 5.2 6.3 6.2 6.2
40.0 27.2 25.0 23.6 17.4 14.0 10.0 0.0 11.0 19.0 24.6 40.0

(-2.8) 6.2 5.7 7.9 8.0 7.9 5.8 5.5 4.9 5.1 5.5 6.2 6.0 5.8 5.8
40.0 29.0 26.0 23.6 18.6 13.6 10.6 0.0 11.0 16.6 20.0 24.8 33.4 40.0

(-2.5) 6.1 5.6 7.2 7.6 7.6 5.7 5.2 4.8 5.1 5.4 6.1 5.7 5.6
40.0 30.6 25.4 23.0 18.6 13.8 10.6 0.0 11.0 15.6 24.4 32.0 40.0

954.75

107.20

Ground
#

118+00

949.8

117+50

949.7

117+00

949.8

116+50

950.0

116+00

950.1

115+50

950.6

115+00

957.98 ✓

951.43 ✓

951.1

T.P.

6.55

110.43

3.32

103.88

114+50

951.7

114+00

952.1

113+50

952.6

113+00

953.0

~~112+50~~

959.48 ✓

956.13 ✓

T.P.

3.35

111.93

1.85

108.58

112+50

953.8

50.

E

40.

42

58 5.7 2.2 76 73 55 49 5.2 5.9 7.0 6.9 6.7
40.0 28.0 24.6 22.8 17.2 10.6 8.0 11.0 16.0 19.6 21.4 40.0

7.0 6.6 6.6 7.1 7.0 58 54 50 53 5.6 7.1 7.2 7.0
40.0 33.0 24.6 21.6 17.2 14.0 12.5 8.0 11.0 15.0 19.0 21.8 40.0

6.7 6.5 7.0 7.1 59 56 49 5.2 5.5 6.7 6.7 6.6
40.0 28.0 21.6 18.0 14.4 11.6 8.0 11.0 15.4 18.6 21.0 40.0

7.2 6.6 7.0 7.0 58 54 42 50 53 6.7 7.0 6.4 6.3
40.0 31.0 22.0 17.6 14.4 10.4 8.0 11.0 14.0 18.6 22.0 31.6 40.0

6.9 6.7 7.3 7.0 54 46 48 5.2 6.7 6.6 6.3
40.0 31.0 22.8 19.0 10.6 8.0 11.0 14.6 19.0 21.4 40.0

6.5 6.0 6.8 6.6 4.8 4.6 4.1 4.5 5.0 6.4 6.4 6.2
40.0 31.0 22.8 18.6 14.4 11.0 8.0 11.6 15.6 19.6 22.0 40.0

6.3 5.7 6.3 6.2 4.7 4.2 3.6 4.2 4.5 5.8 6.0 5.5
40.0 32.6 22.8 17.6 14.0 10.6 8.0 11.0 14.0 18.6 22.0 40.0

8.4 7.9 8.4 8.7 7.4 6.8 6.3 6.6 6.9 7.7 8.1 7.8 7.1
40.0 31.0 21.6 18.4 16.6 10.6 11.0 15.0 18.4 21.0 24.6 40.0

6.0 6.0 8.1 7.9 2.5 7.0 6.5 5.9 6.2 6.5 7.1 5.7 5.4 5.3
40.0 27.8 21.8 18.6 12.0 15.0 11.6 8.0 11.0 14.4 18.0 22.6 29.0 40.0

4.7 4.4 4.8 7.4 7.1 6.0 5.8 5.4 5.8 6.1 6.7 4.9 4.7
40.0 33.0 24.2 21.4 18.0 13.6 11.0 8.0 10.8 15.6 18.0 29.0 40.0

3.9 4.7 4.5 7.0 7.8 5.8 5.6 5.0 5.5 6.6 6.3 4.8 4.7
40.0 28.6 21.6 22.0 17.6 14.6 11.6 8.0 11.6 17.6 20.6 28.4 40.0

Brace on F.P. N. Sta. 112+25

5.1 4.4 5.4 6.6 7.6 6.4 6.1 5.9 6.3 6.8 7.1 5.3 5.3 5.0
40.0 33 28.6 24.6 20.6 14.6 10.6 8.0 11.6 17.0 20.6 24.0 28.8 40.0

959.48

111.93

Ground
E

112+00

954.3

111+50

954.6

111+00

954.9

110+50

954.9

110+00

955.0

109+50

955.3

109+00

T.R	528	959.70 ✓	112.15	506	954.42 ✓	106.87	955.1
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108+50

954.9

3-Y

B.M	464	959.83	449	955.21 ✓	107.66	955.19
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108+00

954.8

107+50

954.9

107+00

954.9

106+50

954.8

50

E

H0

43

45 43 6.1 7.0 58 56 52 58 68 40 41 3.8
 40.0 29.8 24.6 19.6 14.0 10.6 0.0 11.6 19.6 23.0 30.2 20.0

44 46 8.3 8.1 56 54 49 54 68 64 46 45 4.2
 40.0 28.6 24.6 18.6 13.0 10.6 0.0 11.0 17.6 21.0 23.4 22.8 40.0

54 56 7.3 7.4 54 51 46 50 54 67 64 61 6.0
 40.0 30.0 22.8 19.6 14.0 9.6 0.0 10.6 14.6 18.0 21.6 24.0 20.0

44 45 7.0 7.3 53 51 46 51 53 68 69 62
 40.0 32.0 24.6 19.6 14.6 10.4 0.0 10.6 14.0 20.0 22.0 20.0

35 41 7.0 6.9 49 45 50 7.2 8.0 7.5 50 48.35
 40.0 32.0 24.6 17.6 11.6 0.0 11.0 16.0 19.0 23.4 27.0 32.0 40.0

1.5 1.4 1.5 6.9 6.8 5.0 4.6 4.2 4.7 5.0 7.2 6.9 6.5 3.6 3.0
 40.0 33.6 31.0 22.8 18.6 14.0 11.0 0.0 11.0 13.6 18.0 22.8 26.6 30.6 40.0

1.5 1.6 1.1 6.2 7.1 4.8 4.4 4.9 5.2 6.2 6.3 3.2 3.0
 40.0 33.6 31.0 23.0 18.6 10.6 0.0 10.6 14.6 16.6 19.0 30.6 40.0

5.8 6.2 6.8 6.6 5.4 5.1 4.8 5.3 5.8 8.1 8.4 8.0
 40.0 29.6 24.4 18.0 12.6 10.6 10.6 14.6 18.0 24.6 40.0

Spt. P.P. H.E. Cor. Smelling + B

7.3 7.2 8.0 7.2 5.5 5.0 5.8 6.8 9.6 9.8 10.0 10.3
 40.0 28.0 23.4 17.6 11.0 0.0 11.4 15.4 22.0 27.0 32.0 40.0

9.2 9.5 10.0 11.1 5.5 4.9 5.8 8.4 8.6 8.6 7.6 8.0
 40.0 30.0 27.6 23.0 11.0 0.0 14.0 19.6 24.6 26.0 28.0 40.0

10.6 10.2 9.7 5.4 4.9 5.5 7.6 7.7 7.7 5.3 4.5
 40.0 28.0 19.0 10.6 0.0 13.0 21.0 23.0 8.5 30.0 40.0

5.4 5.4 5.4 5.0 5.4 7.1 6.0 5.5
 44.0 29.0 15.0 0.0 14.6 21.6 30.0 40.0

