

Dr. 6 - Bk. 95

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

_____ Plat _____ Survey

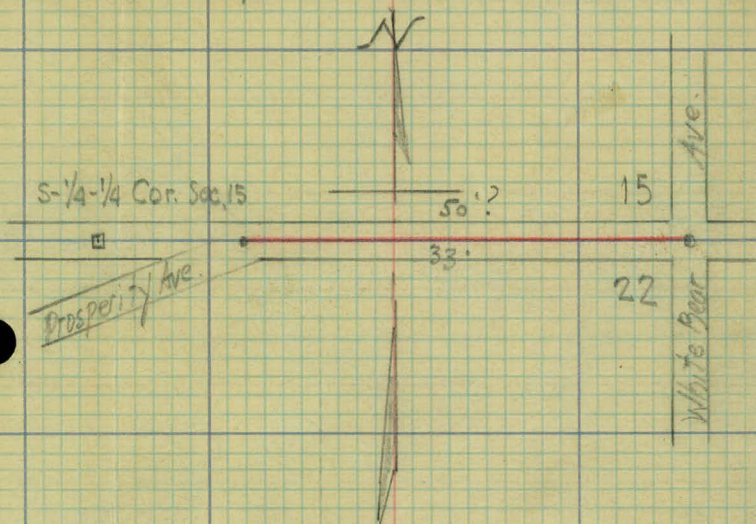
LARPEUR AVE

From Prosperity A. To W. B. Ave.

Road Acc't. No. 14

Date Filed Jan 1937 File B. 95 D. 6

Plan Survey
Serpentine Ave.
Prosperity to White Bear Ave.

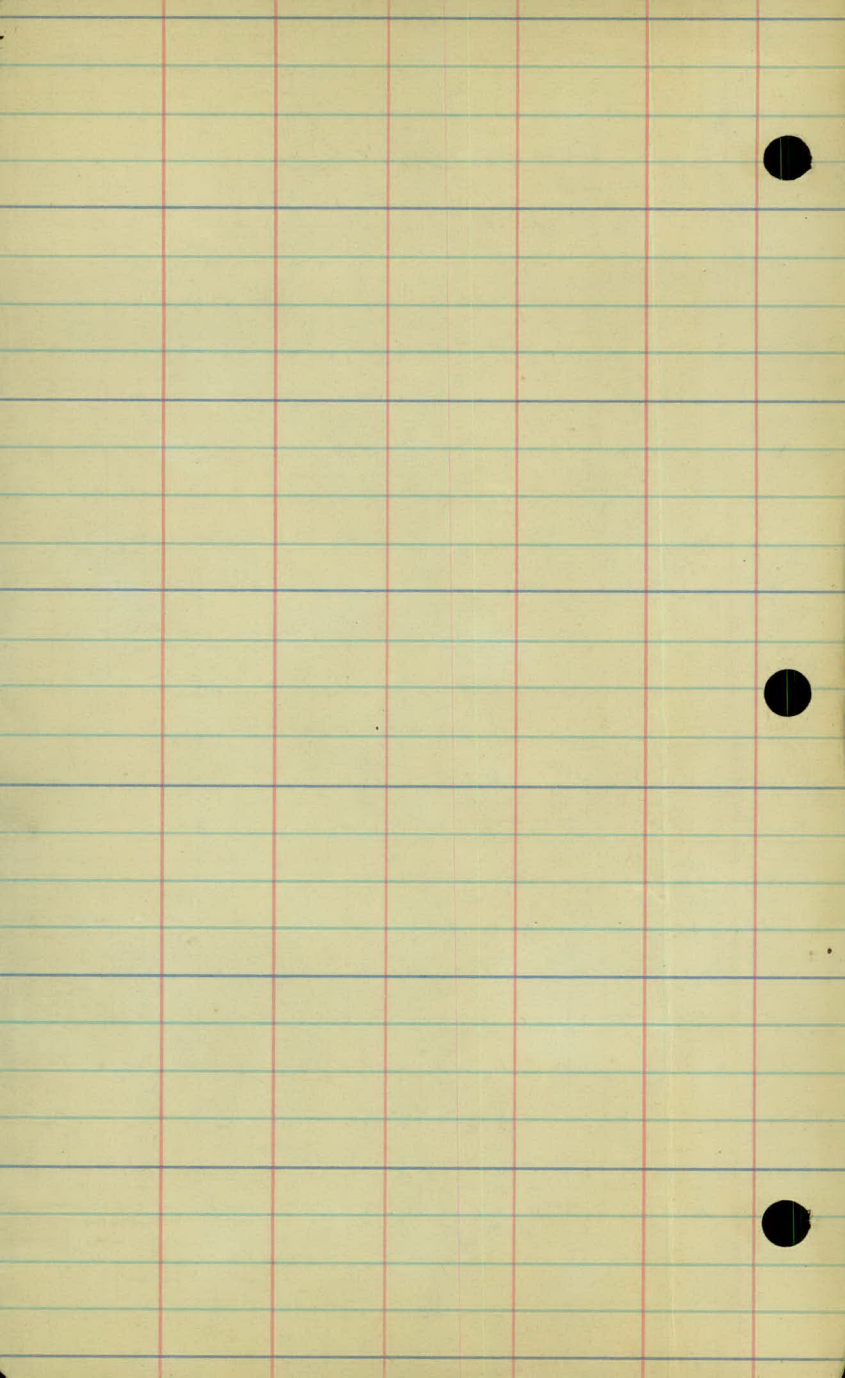


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W. H. Carlson
May 12, 1936



alignment.

Sta.

Point

52+98.47

P.L. Hole in Pave.
E. White Bear Ave.

46+42.88

P.O.T.

45+94.25

P.O.T.

41+63.4

P.O.T.
Int. of Prosperity

End Project, Begin Proj.

W. H. Carlson
H. A. Wilke
K. Anker
L. B. Hendrix

May 12, 1936

3

Hole in Pavement

T.P.

S.E. Cor. Sec. 15-24-23

41.22

Top Fire Hydr.

R.R. Spike

R.R. Spike

39.50

100.57

N

Top Cor. Conc. Found.

65.06

P.O. Pole

T.P.

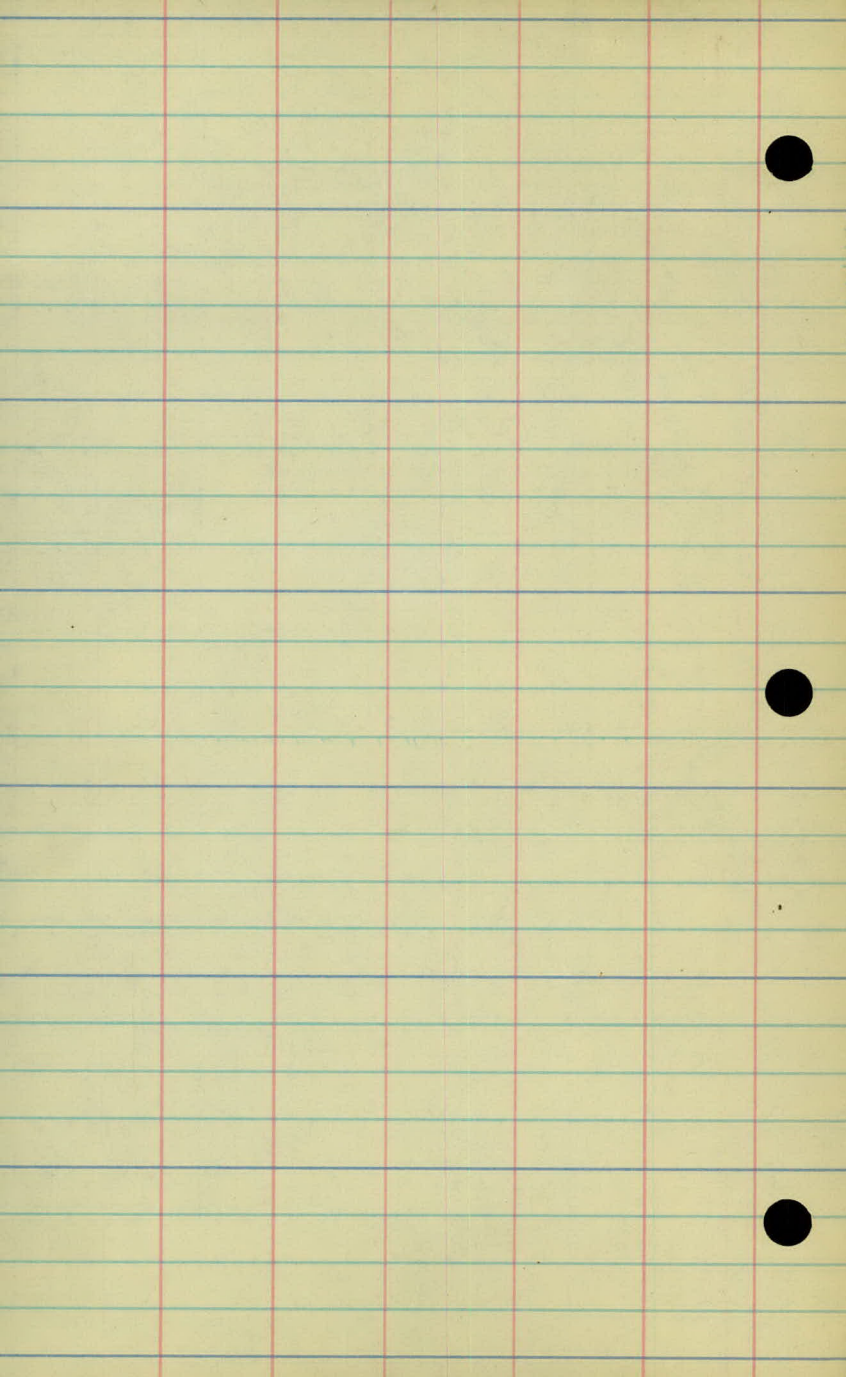
K.O.B.

S. 1/4 Sec. 15

80.40

R.D.

188.15'



Topography.

+30-2 St. North. (Summit)

46

9 to 16 Stamps 9 to 10 Stps.

45

44

43

42

41+63.4

Int. of Prosperity.

Note: Continued from Survey
of Aug. 1935

Tarvia 7'

Tarvia 7'

(5)

+72-T.R. 27'

+66-P.R. 208

Tarvia 7'

+10

Tarvia-8'

+41-T.R. 26.5

+40-12" Jsp 20'

+32-6" Oak 26'

+36-10" Jsp 22'

+76-5" Oak 26'

+75-12" Oak 24'

Tarvia 6.5'

18' +87-Water Sh

26' 26.0

+58-N.W. Cor. 1-3-F.

+49-Ent. 99'

+32-P.R. 22'

Tarvia-9'

+80-8" Oak-24'

+54-6" Oak-25'

+08-T.R. 28'

+04-6" Oak-28'

Tarvia 6'

+33-1" Cedar 27.5

+24-Asb 31' (1")

+28-N.E. Cor. 1-3-F. 8.85

+08-P.R. 22'

+01-Small Pine 28'

Tarvia 9'

+95-16" Jsp. 17

+95-Ent. small

+85-Center 24'

+42-14" Jsp. 18'

+32-6" Oak 33'

Tarvia 6.5

+86-T.R. 27.5'

Duff.

+32-Beg. Yard

Tarvia-9'

+78-P.R. 23.5

+38-6" Oak-26'

+24 North Fence Line 2 x x x

Tarvia 8'

+25-1/2" Jsp. 19'

Tarvia-8'

+63-P.R. 26.5

+63-Tarvia 5.0

+84-P.R. 23'

+63-Tarvia 12.0

Tarvia 17-34

old Tarvia

Prospect Ave

53

198.07- E White Bear Ave.
12

Grab 1 sp.

52

51

72 STUMPS

Grab 10 sps.
Grab 1 sp.

50

Grab 16 sps.

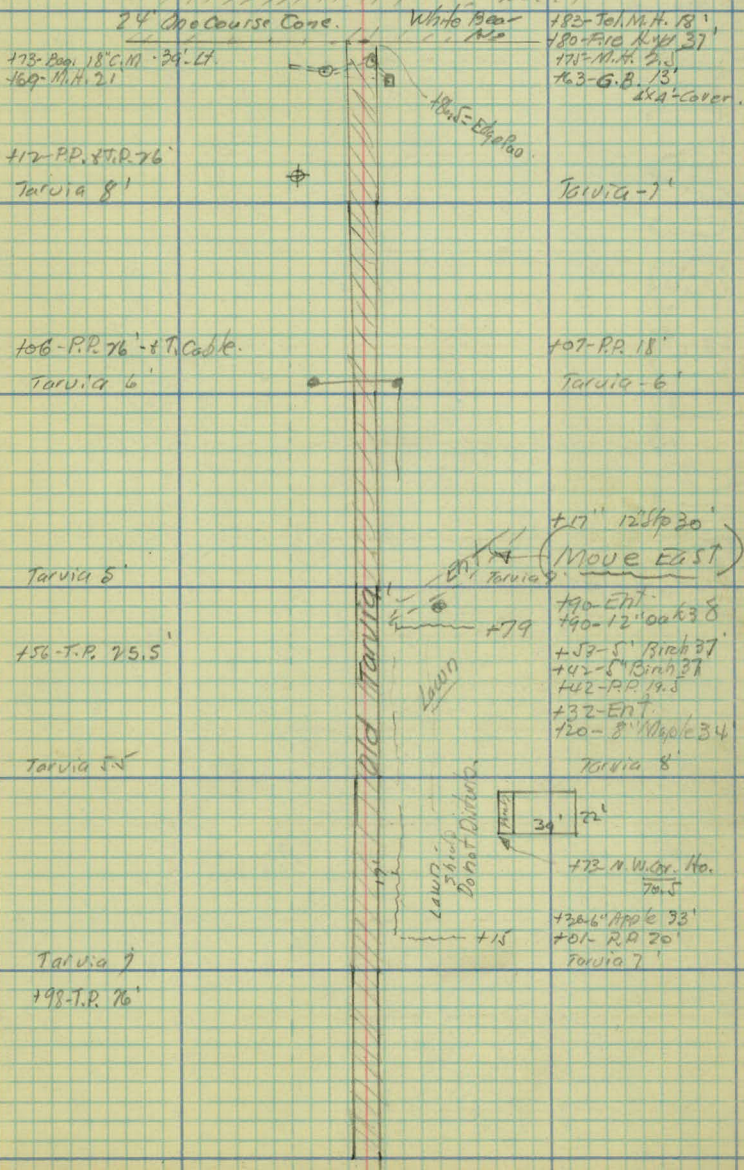
49

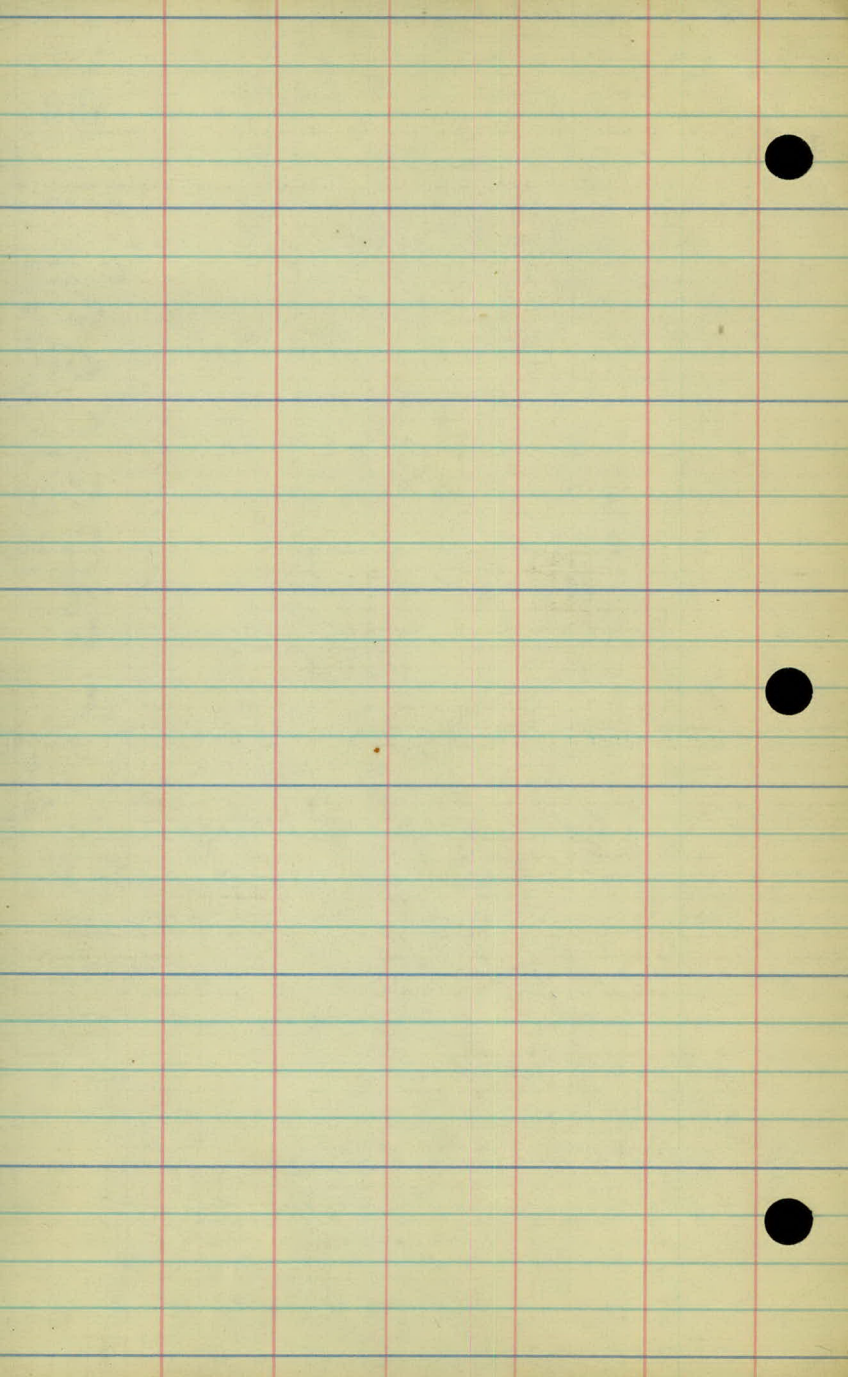
Grab 10 sps.

48

Grab 10 sps.

47





Cross-sections.

Sta.	T	Σ	-	Elev.
	8.68	952.50 ✓		943.82
41+63.4				941.0
42+0				942.0
+50				943.5
T.P.	13.44	958.36 ✓	7.58	944.92
43				945.0
+20				945.6
+30				945.9
+65				946.9
44				947.9
+50				949.3
45				950.4
+50				951.4
T.P.	8.61	960.50 ✓	6.47	951.89
46				951.9

H.

Z

Pt. W.H.O.

8

Spartan

H.A.W.

L.A.H.

May 14, 1926

$$\begin{array}{r} 27 \\ 50 \end{array} \quad \begin{array}{r} 8.5 \\ 40 \end{array} \quad \begin{array}{r} 6.7 \\ 25 \end{array} \quad \begin{array}{r} 11.2 \\ 20 \end{array} \quad \begin{array}{r} 11.7 \\ 9 \end{array} \quad \begin{array}{r} 11.5 \end{array}$$

$$\begin{array}{r} 12.7 \\ 17 \end{array} \quad \begin{array}{r} 10.6 \\ 20 \end{array} \quad \begin{array}{r} 10.8 \\ 34 \end{array}$$

$$\begin{array}{r} 5.2 \\ 50 \end{array} \quad \begin{array}{r} 5.5 \\ 33 \end{array} \quad \begin{array}{r} 6.0 \\ 25 \end{array} \quad \begin{array}{r} 9.8 \\ 19 \end{array} \quad \begin{array}{r} 10.8 \\ 11 \end{array} \quad \begin{array}{r} 10.5 \end{array}$$

$$\begin{array}{r} 11.2 \\ 14 \end{array} \quad \begin{array}{r} 7.8 \\ 20 \end{array} \quad \begin{array}{r} 7.3 \\ 37 \end{array} \quad \begin{array}{r} 6.8 \\ 50 \end{array}$$

$$\begin{array}{r} 5.0 \\ 50 \end{array} \quad \begin{array}{r} 3.5 \\ 37 \end{array} \quad \begin{array}{r} 2.5 \\ 78 \end{array} \quad \begin{array}{r} 8.4 \\ 21 \end{array} \quad \begin{array}{r} 9.4 \\ 15 \end{array} \quad \begin{array}{r} 7.0 \end{array}$$

$$\begin{array}{r} 9.5 \\ 15 \end{array} \quad \begin{array}{r} 2.8 \\ 23 \end{array} \quad \begin{array}{r} (11.1) \\ 34 \end{array} \quad \begin{array}{r} 11.5 \\ 50 \end{array}$$

$$\begin{array}{r} 2.5 \\ 50 \end{array} \quad \begin{array}{r} 1.0 \\ 41 \end{array} \quad \begin{array}{r} 1.0 \\ 34.5 \end{array} \quad \begin{array}{r} 4.7 \\ 33 \end{array} \quad \begin{array}{r} 12.9 \\ 21 \end{array} \quad \begin{array}{r} 14.0 \\ 12 \end{array} \quad \begin{array}{r} 13.4 \end{array}$$

$$\begin{array}{r} 13.8 \\ 12 \end{array} \quad \begin{array}{r} 11.9 \\ 25 \end{array} \quad \begin{array}{r} 5.5 \\ 33 \end{array} \quad \begin{array}{r} 2.0 \\ 55 \end{array} \quad \begin{array}{r} 3.3 \\ 50 \end{array}$$

$$\begin{array}{r} 0.9 \\ 50 \end{array} \quad \begin{array}{r} 0.0 \\ 41 \end{array} \quad \begin{array}{r} 0.1 \\ 34 \end{array} \quad \begin{array}{r} 2.4 \\ 33 \end{array} \quad \begin{array}{r} 13.3 \\ 14 \end{array}$$

$$\begin{array}{r} 12.8 \end{array}$$

$$\begin{array}{r} 12.8 \\ 11 \end{array}$$

$$\begin{array}{r} 10.7 \\ 24 \end{array} \quad \begin{array}{r} 5.0 \\ 32 \end{array} \quad \begin{array}{r} 2.0 \\ 33 \end{array} \quad \begin{array}{r} 2.8 \\ 50 \end{array}$$

$$\begin{array}{r} 1.0 \\ 50 \end{array} \quad \begin{array}{r} 0.0 \\ 34 \end{array} \quad \begin{array}{r} 9.8 \\ 19 \end{array} \quad \begin{array}{r} 12.6 \\ 15 \end{array} \quad \begin{array}{r} 13.3 \\ 12 \end{array} \quad \begin{array}{r} 12.5 \end{array}$$

$$\begin{array}{r} 12.4 \\ 12 \end{array} \quad \begin{array}{r} 8.1 \\ 20 \end{array} \quad \begin{array}{r} 8.0 \\ 35 \end{array} \quad \begin{array}{r} 8.1 \\ 50 \end{array}$$

Pl. Ent. Cul. 4495

$$\begin{array}{r} 11.0 \\ 50 \end{array} \quad \begin{array}{r} (11.0) \\ 34 \end{array} \quad \begin{array}{r} 1.0 \\ 32 \end{array} \quad \begin{array}{r} 12.5 \\ 12 \end{array} \quad \begin{array}{r} 11.5 \end{array}$$

$$\begin{array}{r} 11.6 \\ 12 \end{array} \quad \begin{array}{r} 8.4 \\ 19 \end{array} \quad \begin{array}{r} 2.9 \\ 35 \end{array} \quad \begin{array}{r} 8.4 \\ 50 \end{array}$$

$$\begin{array}{r} 0.7 \\ 50 \end{array} \quad \begin{array}{r} 0.9 \\ 27 \end{array} \quad \begin{array}{r} 10.5 \\ 15 \end{array} \quad \begin{array}{r} 11.3 \\ 11 \end{array} \quad \begin{array}{r} 10.5 \end{array}$$

$$\begin{array}{r} 10.7 \\ 14 \end{array} \quad \begin{array}{r} 8.8 \\ 18 \end{array} \quad \begin{array}{r} 8.4 \\ 38 \end{array} \quad \begin{array}{r} 8.7 \\ 50 \end{array}$$

$$\begin{array}{r} 8.9 \\ 50 \end{array} \quad \begin{array}{r} 4.2 \\ 36 \end{array} \quad \begin{array}{r} 4.9 \\ 21 \end{array} \quad \begin{array}{r} 9.7 \\ 12 \end{array} \quad \begin{array}{r} 9.1 \end{array}$$

$$\begin{array}{r} 9.5 \\ 13 \end{array} \quad \begin{array}{r} 8.6 \\ 16 \end{array} \quad \begin{array}{r} 8.8 \\ 50 \end{array}$$

$$\begin{array}{r} 1.6 \\ 50 \end{array} \quad \begin{array}{r} 4.6 \\ 31 \end{array} \quad \begin{array}{r} 5.8 \\ 78 \end{array} \quad \begin{array}{r} 7.8 \\ 14 \end{array} \quad \begin{array}{r} 8.4 \\ 10 \end{array} \quad \begin{array}{r} 8.0 \end{array}$$

$$\begin{array}{r} 8.3 \\ 10 \end{array} \quad \begin{array}{r} 8.3 \\ 24 \end{array} \quad \begin{array}{r} 9.1 \\ 50 \end{array}$$

4499 - Pl. Cul. Ent.

$$\begin{array}{r} 1.5 \\ 50 \end{array} \quad \begin{array}{r} 2.3 \\ 33 \end{array} \quad \begin{array}{r} 4.3 \\ 17 \end{array} \quad \begin{array}{r} 7.3 \\ 13 \end{array} \quad \begin{array}{r} 7.0 \end{array}$$

$$\begin{array}{r} 7.4 \\ 13 \end{array} \quad \begin{array}{r} 6.8 \\ 20 \end{array} \quad \begin{array}{r} 6.8 \\ 50 \end{array}$$

$$\begin{array}{r} 10.8 \\ 50 \end{array} \quad \begin{array}{r} 5.0 \\ 33 \end{array} \quad \begin{array}{r} 1.5 \\ 24 \end{array} \quad \begin{array}{r} 7.6 \\ 17 \end{array} \quad \begin{array}{r} 8.5 \\ 11 \end{array} \quad \begin{array}{r} 8.6 \end{array}$$

$$\begin{array}{r} 9.0 \\ 13 \end{array} \quad \begin{array}{r} 7.9 \\ 13 \end{array} \quad \begin{array}{r} 7.7 \\ 32 \end{array} \quad \begin{array}{r} 8.1 \\ 50 \end{array}$$

Sta.	T	A	-	Elev.	
		960.50			
46+17				51.9	
46+39				52.1	
+50				52.0	
47				51.7	
48				49.6	
49				47.7	
T.P.	2.16	953.35	931		951.19
50				46.2	
51				43.9	
+401				42.9	
+52				42.6	
52+0				41.4	
T.P.	1.24	945.57	12.02		941.33
+40				40.5	
+86.5	Wedge Conc. Area		1.70	39.37	939.37 (938.4)
B.M.			3.60		941.97

H. 1 H. 9

Street (Make Summit) No. Cul.
 $\frac{8.9}{50}$ $\frac{7.2}{14}$ $\frac{8.3}{12}$ $\frac{8.6}{13}$ $\frac{9.0}{13}$ $\frac{6.5}{20}$ $\frac{7.0}{30}$ $\frac{7.3}{50}$
 $\frac{4.2}{63}$ $\frac{8.0}{18}$ $\frac{8.4}{13}$ $\frac{9.0}{13}$ $\frac{6.5}{20}$ $\frac{6.0}{36}$ $\frac{6.6}{50}$

$\frac{4.5}{50}$ $\frac{0.5}{34}$ $\frac{1.6}{76}$ $\frac{7.7}{20}$ $\frac{8.6}{11}$ $\frac{8.5}{13}$ $\frac{7.1}{13}$ $\frac{6.2}{21}$ $\frac{6.1}{20}$ $\frac{6.4}{50}$

$\frac{1.8}{50}$ $\frac{2.1}{35}$ $\frac{2.5}{22}$ $\frac{7.2}{14}$ $\frac{8.8}{14}$ $\frac{9.2}{14}$ $\frac{5.3}{21}$ $\frac{5.4}{32}$ $\frac{6.5}{50}$

$\frac{6.3}{50}$ $\frac{7.0}{32}$ $\frac{8.4}{19}$ $\frac{11.3}{15}$ $\frac{10.9}{14}$ $\frac{11.1}{14}$ $\frac{9.2}{18}$ $\frac{8.5}{32}$ $\frac{7.1}{50}$

(Save) yard
 $\frac{9.1}{50}$ $\frac{9.5}{29}$ $\frac{10.8}{17}$ $\frac{13.1}{14}$ $\frac{12.8}{14}$ $\frac{13.1}{14}$ $\frac{12.2}{18}$ $\frac{12.2}{50}$

44+32 - Pl. Cul. ENT.
 $\frac{2.9}{50}$ $\frac{3.0}{30}$ $\frac{3.7}{18}$ $\frac{7.6}{13}$ $\frac{7.2}{13}$ $\frac{7.6}{13}$ $\frac{5.5}{18}$ $\frac{5.4}{33}$ $\frac{6.6}{50}$

50+90 - Pl. Cul. ENT.
 $\frac{3.8}{50}$ $\frac{4.0}{75}$ $\frac{9.4}{18}$ $\frac{9.9}{11}$ $\frac{9.5}{16}$ $\frac{9.9}{16}$ $\frac{5.4}{21}$ $\frac{5.6}{38}$ $\frac{6.0}{50}$

$\frac{5.5}{50}$ $\frac{5.7}{23}$ $\frac{10.2}{17}$ $\frac{11.0}{12}$ $\frac{10.5}{15}$ $\frac{10.5}{15}$ $\frac{6.2}{24}$ $\frac{6.2}{50}$

$\frac{6.1}{50}$ $\frac{6.0}{32}$ $\frac{6.3}{21}$ $\frac{10.9}{14}$ $\frac{10.8}{18}$ $\frac{11.2}{18}$ $\frac{11.2}{50}$

$\frac{9.1}{50}$ $\frac{9.0}{27}$ $\frac{9.3}{21}$ $\frac{12.2}{16}$ $\frac{12.0}{18}$ $\frac{12.4}{18}$ $\frac{12.2}{50}$

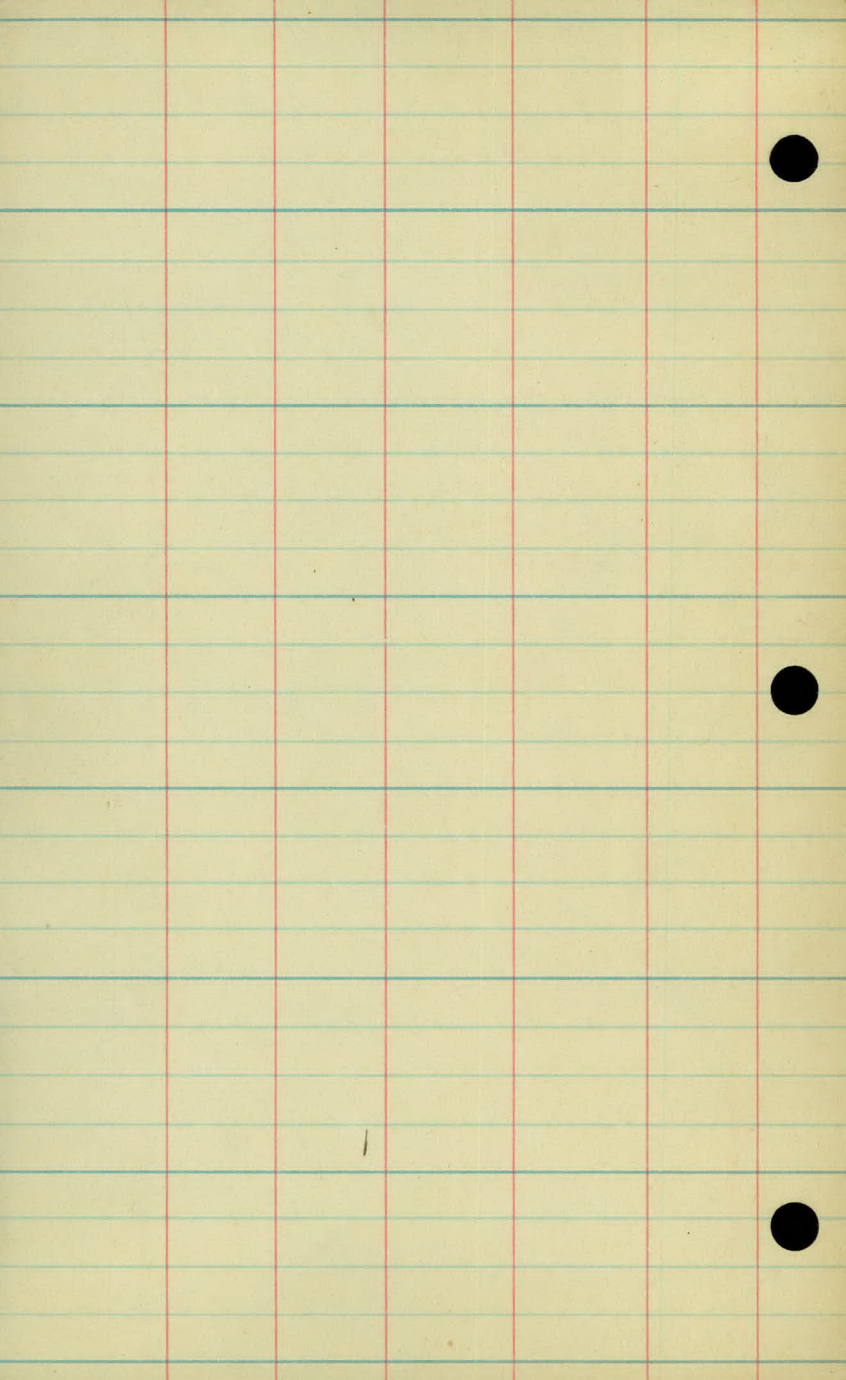
$\frac{4.4}{50}$ $\frac{4.9}{24}$ $\frac{5.1}{24}$ $\frac{5.2}{24}$ $\frac{5.7}{50}$

$\frac{5.00}{50}$

$\frac{6.20}{50}$

$\frac{6.93}{50}$

Top Fire Hyd. S.W. Cor.



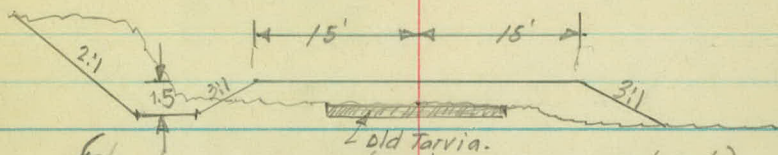
Recommendations.

10

Scarify old Tarvia Road and
salvage crushed Rock.

Raise grade about (1.8') one foot

Then: (Sta. 41+63.4 to 52+86.5)



(the above recommendation due to excess material)

Place 15" X 20' C.M. Culv. Ent Rt. Sta. 44+95

" 15" X 20' C.M. " " " " 45+49

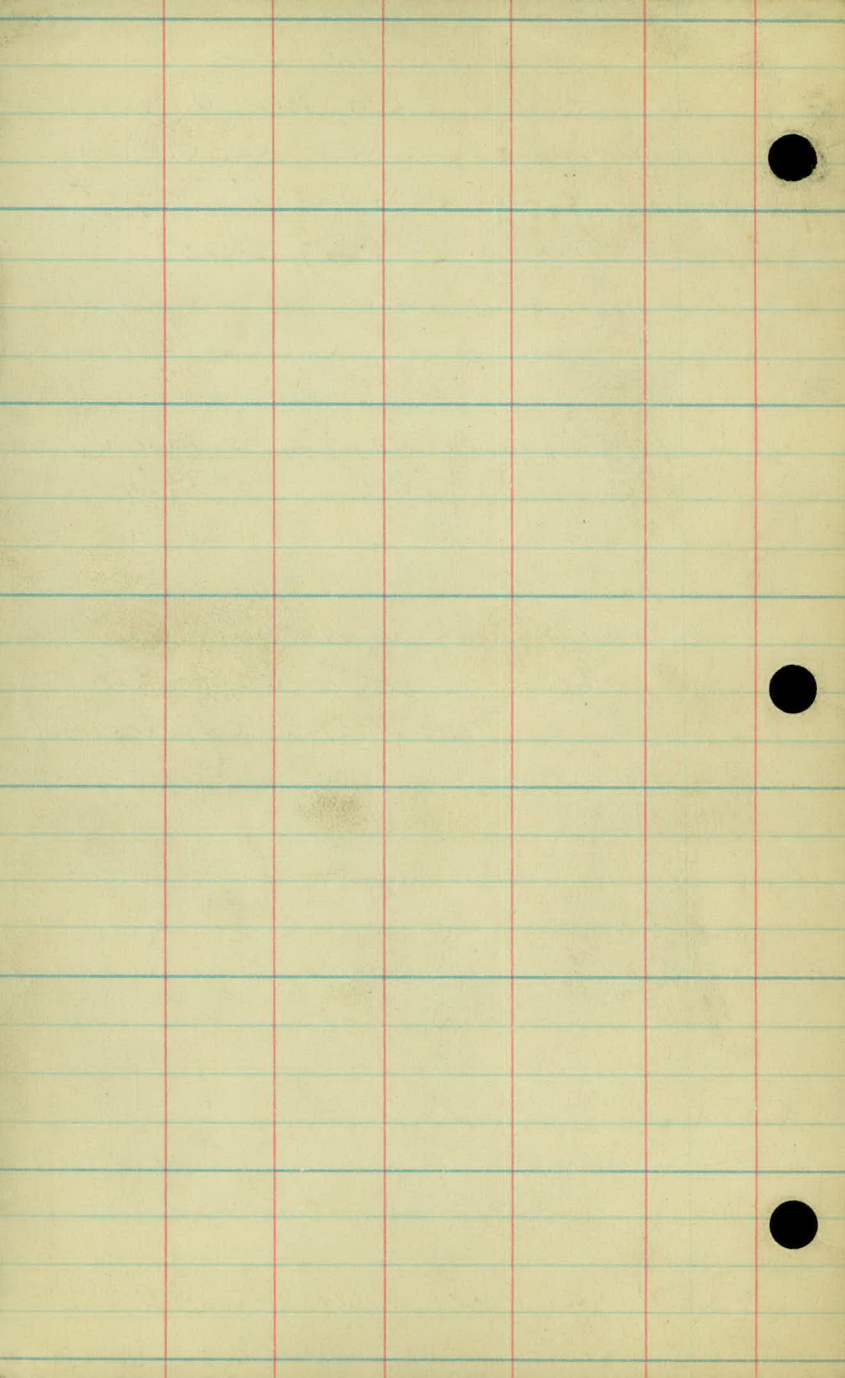
" 15" X 20' C.M. " " " " 49+32

" 15" X 20' C.M. " " " " 50+90

Sta. 46+30 st. North make summit in

Grade Line, No Culv. Required.

W. H. Carlson May 12, 1926



1
Slope Stokes.

Larpenteur Ave.

White Bear Ave to

Sta.	+	π	-	Elev.	Grade
B.M.	3.30	945.27		941.97	

27+43.0 $\pm$ White Bear

+53

939.41

+68

28

40.5

+50

40.7

29+0

+50

30+0

T.P.	12.14	957.13	0.28	944.99
------	-------	--------	------	--------

+50

31+0

+50

Top Fire Hyd. S.W. Cor. Whiteo Lamp.

572

586

9.20	$\frac{4.8}{50}$	$\frac{5.2}{23}$	5.4	$\frac{6.4}{27}$	$\frac{6.2}{50}$			
4.8	$\frac{5.0}{35}$	$\frac{5.2}{12}$	4.8	$\frac{5.1}{9}$	$\frac{5.7}{16}$	$\frac{4.5}{32}$	$\frac{8.3}{50}$	
4.6	$\frac{4.8}{26.0}$	$\frac{7.3}{25}$	$\frac{7.1}{19}$	$\frac{5.0}{13}$	$\frac{4.6}{8}$	$\frac{5.0}{11}$	$\frac{8.4}{16}$	$\frac{9.2}{76}$
4.3	$\frac{4.5}{24.4}$	$\frac{6.6}{2.1}$	$\frac{6.2}{15}$	$\frac{4.8}{12}$	4.3	$\frac{4.6}{8}$	$\frac{5.3}{11}$	$\frac{8.9}{16}$
3.3	$\frac{3.5}{21.2}$	$\frac{1.8}{1.3}$	$\frac{4.2}{16}$	$\frac{3.6}{11}$	3.3	$\frac{3.5}{9}$	$\frac{4.0}{12}$	$\frac{7.2}{18}$
1.4	$\frac{1.6}{7.48}$	$\frac{2.7}{16.04}$	$\frac{2.7}{11.1}$	$\frac{2.5}{15}$	$\frac{1.8}{13}$	$\frac{1.6}{10}$	$\frac{1.7}{9}$	$\frac{2.1}{12}$
1.9	$\frac{1.1}{14.2}$	$\frac{11.5}{11.1}$	$\frac{12.1}{19}$	$\frac{12.5}{18}$	$\frac{12.4}{15}$	$\frac{11.5}{13}$	$\frac{11.3}{11}$	10.9
8.5	$\frac{8.7}{76.6}$	$\frac{8.9}{10.10}$	$\frac{8.9}{24}$	$\frac{9.6}{21}$	$\frac{9.6}{15}$	$\frac{9.6}{15}$	$\frac{8.9}{11}$	8.5
6.1	$\frac{6.3}{25.7}$	$\frac{7.2}{10.06}$	$\frac{7.2}{15}$	$\frac{6.8}{13}$	$\frac{6.5}{11}$	6.1	$\frac{6.5}{9.5}$	$\frac{6.7}{13}$
							$\frac{7.6}{15}$	$\frac{7.8}{15}$
							$\frac{10.9}{22.0}$	

Sta. 4 T - Elev.

957.13

3240

T.P. 12.81 968.97 0.97 956.16

+50

33

+50

8.79 975.82 1.94 967.03

34

+12

+50

35

+30

+50

36

+50

T.P. 6.28 980.75 1.35 974.47

$$4.2 \quad 29.0 \begin{array}{r} 3.0 \\ +1.0 \\ \hline \end{array} \quad 30 \begin{array}{r} 2.0 \\ 26 \\ \hline \end{array} \quad 2.0 \begin{array}{r} 2.2 \\ 21 \\ \hline \end{array} \quad 2.2 \begin{array}{r} 4.2 \\ 17 \\ \hline \end{array} \quad 4.2 \begin{array}{r} 3.8 \\ 11 \\ \hline \end{array} \quad 4.1 \begin{array}{r} 4.2 \\ 9.5 \\ \hline \end{array} \quad 4.9 \begin{array}{r} 4.9 \\ 14 \\ \hline \end{array} \quad 5.1 \begin{array}{r} 20.4 \\ 24.8 \\ \hline \end{array}$$

$$130 \quad 32.0 \begin{array}{r} 10.5 \\ +2.5 \\ \hline \end{array} \quad 10.5 \begin{array}{r} 9.2 \\ 25 \\ \hline \end{array} \quad 9.2 \begin{array}{r} 10.9 \\ 21 \\ \hline \end{array} \quad 10.9 \begin{array}{r} 13.4 \\ 15 \\ \hline \end{array} \quad 13.4 \begin{array}{r} 12.1 \\ 11 \\ \hline \end{array} \quad 12.1 \begin{array}{r} 12.8 \\ 10 \\ \hline \end{array} \quad 13.0 \begin{array}{r} 13.2 \\ 10 \\ \hline \end{array} \quad 14.0 \begin{array}{r} 14.0 \\ 17 \\ \hline \end{array} \quad 14.0 \begin{array}{r} 13.1 \\ 20 \\ \hline \end{array} \quad 13.1 \begin{array}{r} 9.7 \\ 24 \\ \hline \end{array} \quad 9.7 \begin{array}{r} 9.7 \\ 25 \\ \hline \end{array} \quad 9.7 \begin{array}{r} 9.9 \\ 12.1 \\ \hline \end{array}$$

$$10.2 \quad 31.8 \begin{array}{r} 7.8 \\ +2.4 \\ \hline \end{array} \quad 7.8 \begin{array}{r} 7.2 \\ 24 \\ \hline \end{array} \quad 7.2 \begin{array}{r} 8.8 \\ 21 \\ \hline \end{array} \quad 8.8 \begin{array}{r} 10.7 \\ 18 \\ \hline \end{array} \quad 10.7 \begin{array}{r} 10.3 \\ 11 \\ \hline \end{array} \quad 10.3 \begin{array}{r} 10.5 \\ 10.5 \\ \hline \end{array} \quad 10.5 \begin{array}{r} 10.7 \\ 12 \\ \hline \end{array} \quad 12.0 \begin{array}{r} 8.6 \\ 16 \\ \hline \end{array} \quad 8.6 \begin{array}{r} 5.7 \\ 22 \\ \hline \end{array} \quad 5.7 \begin{array}{r} 5.3 \\ 35 \\ \hline \end{array} \quad 5.3 \begin{array}{r} 5.5 \\ 14.5 \\ \hline \end{array} \quad 5.5 \begin{array}{r} 36.0 \\ \hline \end{array}$$

$$7.6 \quad 32.6 \begin{array}{r} 4.8 \\ +2.8 \\ \hline \end{array} \quad 4.8 \begin{array}{r} 4.8 \\ 23 \\ \hline \end{array} \quad 4.8 \begin{array}{r} 6.5 \\ 20 \\ \hline \end{array} \quad 6.5 \begin{array}{r} 8.0 \\ 19 \\ \hline \end{array} \quad 8.0 \begin{array}{r} 7.8 \\ 17 \\ \hline \end{array} \quad 7.8 \begin{array}{r} 7.4 \\ 11 \\ \hline \end{array} \quad 7.8 \begin{array}{r} 7.9 \\ 10 \\ \hline \end{array} \quad 8.5 \begin{array}{r} 8.5 \\ 12 \\ \hline \end{array} \quad 8.5 \begin{array}{r} 7.6 \\ 15 \\ \hline \end{array} \quad 7.6 \begin{array}{r} 7.6 \\ 17 \\ \hline \end{array} \quad 7.6 \begin{array}{r} 4.5 \\ 22 \\ \hline \end{array} \quad 4.5 \begin{array}{r} 4.1 \\ 27 \\ \hline \end{array} \quad 4.1 \begin{array}{r} 4.5 \\ 31 \\ \hline \end{array} \quad 4.5 \begin{array}{r} 2.9 \\ 34 \\ \hline \end{array} \quad 2.9 \begin{array}{r} 3.4 \\ 47.8 \\ \hline \end{array}$$

Nailin R.R.L.

$$11.9 \quad +5.1 \begin{array}{r} 8.8 \\ 33.2 \\ \hline \end{array} \quad 8.8 \begin{array}{r} 12.3 \\ 22 \\ \hline \end{array} \quad 12.3 \begin{array}{r} 12.0 \\ 16 \\ \hline \end{array} \quad 12.0 \begin{array}{r} 11.7 \\ 11 \\ \hline \end{array} \quad 11.7 \begin{array}{r} 12.0 \\ 10 \\ \hline \end{array} \quad 12.2 \begin{array}{r} 13.0 \\ 12 \\ \hline \end{array} \quad 13.0 \begin{array}{r} 11.7 \\ 15 \\ \hline \end{array} \quad 11.7 \begin{array}{r} 11.0 \\ 17 \\ \hline \end{array} \quad 11.0 \begin{array}{r} 9.6 \\ 24 \\ \hline \end{array} \quad 9.6 \begin{array}{r} 7.2 \\ 27 \\ \hline \end{array} \quad 7.2 \begin{array}{r} 7.7 \\ 33 \\ \hline \end{array} \quad 7.7 \begin{array}{r} 35.4 \\ 42 \\ \hline \end{array}$$

$$11.3 \quad +4.1 \begin{array}{r} 7.2 \\ 35.2 \\ \hline \end{array} \quad 7.2 \begin{array}{r} 7.7 \\ 22 \\ \hline \end{array} \quad 7.7 \begin{array}{r} 11.6 \\ 17 \\ \hline \end{array} \quad 11.6 \begin{array}{r} 11.4 \\ 11 \\ \hline \end{array} \quad 11.4 \begin{array}{r} 11.4 \\ 10 \\ \hline \end{array} \quad 11.6 \begin{array}{r} 12.2 \\ 12 \\ \hline \end{array} \quad 12.2 \begin{array}{r} 11.1 \\ 15 \\ \hline \end{array} \quad 11.1 \begin{array}{r} 11.2 \\ 16 \\ \hline \end{array} \quad 11.2 \begin{array}{r} 7.4 \\ 24 \\ \hline \end{array} \quad 7.4 \begin{array}{r} 7.5 \\ 32 \\ \hline \end{array} \quad 7.5 \begin{array}{r} 34.6 \\ \hline \end{array}$$

$$9.4 \quad 33.4 \begin{array}{r} 6.2 \\ +3.2 \\ \hline \end{array} \quad 6.2 \begin{array}{r} 6.6 \\ 21 \\ \hline \end{array} \quad 6.6 \begin{array}{r} 10.4 \\ 15 \\ \hline \end{array} \quad 10.4 \begin{array}{r} 7.8 \\ 12 \\ \hline \end{array} \quad 7.8 \begin{array}{r} 9.5 \\ 4.5 \\ \hline \end{array} \quad 9.5 \begin{array}{r} 9.2 \\ 10 \\ \hline \end{array} \quad 9.2 \begin{array}{r} 9.5 \\ 13 \\ \hline \end{array} \quad 9.5 \begin{array}{r} 10.6 \\ 16 \\ \hline \end{array} \quad 10.6 \begin{array}{r} 9.4 \\ 17 \\ \hline \end{array} \quad 9.4 \begin{array}{r} 9.3 \\ 27.2 \\ \hline \end{array} \quad 9.3 \begin{array}{r} 10.1 \\ \hline \end{array}$$

$$7.3 \quad 31.2 \begin{array}{r} 5.2 \\ +2.1 \\ \hline \end{array} \quad 5.2 \begin{array}{r} 5.6 \\ 19 \\ \hline \end{array} \quad 5.6 \begin{array}{r} 8.6 \\ 14 \\ \hline \end{array} \quad 8.6 \begin{array}{r} 7.4 \\ 10 \\ \hline \end{array} \quad 7.4 \begin{array}{r} 7.1 \\ 10 \\ \hline \end{array} \quad 7.6 \begin{array}{r} 8.5 \\ 12.5 \\ \hline \end{array} \quad 8.5 \begin{array}{r} 7.7 \\ 15 \\ \hline \end{array} \quad 7.7 \begin{array}{r} 7.5 \\ 18 \\ \hline \end{array} \quad 7.5 \begin{array}{r} 7.5 \\ 21.3 \\ \hline \end{array} \quad 7.5 \begin{array}{r} 7.6 \\ \hline \end{array}$$

$$6.2 \quad 4.7 \begin{array}{r} 4.4 \\ 33 \\ \hline \end{array} \quad 4.4 \begin{array}{r} 4.9 \\ 29 \\ \hline \end{array} \quad 4.9 \begin{array}{r} 7.7 \\ 18 \\ \hline \end{array} \quad 7.7 \begin{array}{r} 6.6 \\ 14 \\ \hline \end{array} \quad 6.6 \begin{array}{r} 6.4 \\ 11 \\ \hline \end{array} \quad 6.4 \begin{array}{r} 6.0 \\ 9 \\ \hline \end{array} \quad 6.0 \begin{array}{r} 6.4 \\ 11 \\ \hline \end{array} \quad 6.4 \begin{array}{r} 6.5 \\ 13 \\ \hline \end{array} \quad 6.5 \begin{array}{r} 7.0 \\ 15 \\ \hline \end{array} \quad 7.0 \begin{array}{r} 6.5 \\ 21.2 \\ \hline \end{array} \quad 6.5 \begin{array}{r} 76.4 \\ \hline \end{array}$$

$$5.6 \quad 30.2 \begin{array}{r} 4.0 \\ +1.6 \\ \hline \end{array} \quad 4.0 \begin{array}{r} 4.5 \\ 18 \\ \hline \end{array} \quad 4.5 \begin{array}{r} 6.6 \\ 15 \\ \hline \end{array} \quad 6.6 \begin{array}{r} 5.7 \\ 9.5 \\ \hline \end{array} \quad 5.7 \begin{array}{r} 5.4 \\ 11 \\ \hline \end{array} \quad 5.7 \begin{array}{r} 5.9 \\ 13 \\ \hline \end{array} \quad 5.9 \begin{array}{r} 5.9 \\ 19 \\ \hline \end{array} \quad 5.9 \begin{array}{r} 6.6 \\ 25 \\ \hline \end{array} \quad 6.6 \begin{array}{r} 6.3 \\ 20.8 \\ \hline \end{array} \quad 6.3 \begin{array}{r} 75.6 \\ \hline \end{array}$$

R.R. Speeditch.

$$4.0 \quad 30.2 \begin{array}{r} 2.4 \\ +1.6 \\ \hline \end{array} \quad 2.4 \begin{array}{r} 2.5 \\ 18 \\ \hline \end{array} \quad 2.5 \begin{array}{r} 5.1 \\ 16 \\ \hline \end{array} \quad 5.1 \begin{array}{r} 4.3 \\ 11 \\ \hline \end{array} \quad 4.3 \begin{array}{r} 4.1 \\ 9.0 \\ \hline \end{array} \quad 4.1 \begin{array}{r} 3.8 \\ 11 \\ \hline \end{array} \quad 3.8 \begin{array}{r} 4.2 \\ 11 \\ \hline \end{array} \quad 4.2 \begin{array}{r} 4.3 \\ 13 \\ \hline \end{array} \quad 4.3 \begin{array}{r} 5.1 \\ 20.4 \\ \hline \end{array} \quad 5.1 \begin{array}{r} 24.8 \\ \hline \end{array}$$

$$7.6 \quad 31.2 \begin{array}{r} 1.5 \\ +1.1 \\ \hline \end{array} \quad 1.5 \begin{array}{r} 1.2 \\ 19 \\ \hline \end{array} \quad 1.2 \begin{array}{r} 3.6 \\ 16 \\ \hline \end{array} \quad 3.6 \begin{array}{r} 3.6 \\ 14 \\ \hline \end{array} \quad 3.6 \begin{array}{r} 3.0 \\ 11 \\ \hline \end{array} \quad 3.0 \begin{array}{r} 2.7 \\ 8.5 \\ \hline \end{array} \quad 2.7 \begin{array}{r} 2.4 \\ 11 \\ \hline \end{array} \quad 2.4 \begin{array}{r} 2.4 \\ 14 \\ \hline \end{array} \quad 2.4 \begin{array}{r} 7.6 \\ 18 \\ \hline \end{array} \quad 7.6 \begin{array}{r} 14 \\ 24 \\ \hline \end{array} \quad 14 \begin{array}{r} 1.3 \\ 28 \\ \hline \end{array} \quad 1.3 \begin{array}{r} 29.6 \\ \hline \end{array}$$

37

+

π

-

Elev.

980.75

3740

+30

+60

38

+50

39

+20

T.R.

11.40

991.17

0.98

979.77

+75

40

+30

+62.4

8.14

991.35

7.96

983.21

Top Mon.

+75

74
94 89
94 89
0126 128
t

Lt.

L

Rt.

4

$$\begin{array}{r}
 9.2 \quad 5.9 \quad 34 \overline{) 40.7} \quad \begin{array}{r} 58 \\ 60 \\ 82 \\ 82 \\ 69 \\ 67 \end{array} \quad \begin{array}{r} 19 \\ 17 \\ 15 \\ 12 \\ 9 \end{array} \quad 63 \quad \begin{array}{r} 6.6 \\ 6.8 \\ 7.6 \\ 7.5 \end{array} \quad \begin{array}{r} 11 \\ 20 \\ 23 \\ 10.5/25.0 \end{array} \\
 9.0 \quad 54 \quad 34 \overline{) 102.1} \quad \begin{array}{r} 69 \\ 67 \\ 82 \\ 82 \\ 61 \\ 56 \end{array} \quad \begin{array}{r} 20 \\ 18 \\ 16 \\ 15 \\ 12 \\ 8.5 \end{array} \quad 52 \quad \begin{array}{r} 54 \\ 56 \\ 64 \\ 54 \\ 5.1 \end{array} \quad \begin{array}{r} 11 \\ 13 \\ 16 \\ 25 \\ 103/27.6 \end{array}
 \end{array}$$

$$\begin{array}{r}
 011 \quad 8.9 \quad 4.8 \quad 34 \overline{) 100.6} \quad \begin{array}{r} 82 \\ 79 \\ 85 \\ 79 \end{array} \quad \begin{array}{r} 3.7 \\ 3.7 \\ 5.3 \\ 5.0 \end{array} \quad 46 \quad \begin{array}{r} 49 \\ 10 \end{array} \quad \begin{array}{r} 5.0 \\ 13 \end{array} \quad 26.6
 \end{array}$$

$$\begin{array}{r}
 3.8 \quad 36 \overline{) 104} \quad \begin{array}{r} 7.2 \\ 7.2 \\ 7.0 \\ 4.5 \end{array} \quad \begin{array}{r} 21.8 \\ 3.4 \\ 18 \\ 74 \end{array} \quad 40 \quad 26 \quad \begin{array}{r} 29 \\ 10 \end{array} \quad \begin{array}{r} 46 \\ 19 \end{array} \quad \begin{array}{r} 53 \\ 100 \end{array} \quad 24
 \end{array}$$

$$\begin{array}{r}
 26 \quad 76 \overline{) 100} \quad \begin{array}{r} 5.1 \\ 7.5 \end{array} \quad \begin{array}{r} 25 \\ 25 \end{array} \quad \begin{array}{r} 51 \\ 20 \end{array} \quad \begin{array}{r} 3.2 \\ 13 \end{array} \quad \begin{array}{r} 2.7 \\ 9.5 \end{array} \quad 24 \quad \begin{array}{r} 2.6 \\ 9.5 \end{array} \quad \begin{array}{r} 2.8 \\ 13 \end{array} \quad \begin{array}{r} 5.5 \\ 22 \end{array} \quad \begin{array}{r} 5.0 \\ 24 \end{array} \quad \begin{array}{r} 19.8 \\ 25 \end{array} \quad 26.0
 \end{array}$$

$$\begin{array}{r}
 18 \quad 74 \overline{) 100} \quad \begin{array}{r} 3.3 \\ 3.3 \end{array} \quad \begin{array}{r} 2.2 \\ 14 \end{array} \quad \begin{array}{r} 1.9 \\ 10 \end{array} \quad 16 \quad \begin{array}{r} 1.8 \\ 10 \end{array} \quad \begin{array}{r} 2.7 \\ 16 \end{array} \quad \begin{array}{r} 4.9 \\ 19 \end{array} \quad \begin{array}{r} 5.2 \\ 3.4 \end{array} \quad \begin{array}{r} 21.8 \\ 24 \end{array} \quad \begin{array}{r} 5.3 \\ 24 \end{array} \quad 26.6
 \end{array}$$

$$\begin{array}{r}
 10.9 \quad 31 \overline{) 100} \quad \begin{array}{r} 8.4 \\ 4.0 \end{array} \quad \begin{array}{r} 8.9 \\ 20 \end{array} \quad \begin{array}{r} 11.7 \\ 16 \end{array} \quad \begin{array}{r} 11.2 \\ 14 \end{array} \quad \begin{array}{r} 11.0 \\ 10 \end{array} \quad 10.7 \quad \begin{array}{r} 11.0 \\ 10.5 \end{array} \quad \begin{array}{r} 11.8 \\ 17 \end{array} \quad \begin{array}{r} 11.0 \\ 10 \end{array} \quad \begin{array}{r} 2.0 \\ 28.0 \end{array}
 \end{array}$$

$$\begin{array}{r}
 10.2 \quad 30 \overline{) 100} \quad \begin{array}{r} 7.2 \\ 7.2 \end{array} \quad \begin{array}{r} 7.6 \\ 25 \end{array} \quad \begin{array}{r} 8.3 \\ 20 \end{array} \quad \begin{array}{r} 10.7 \\ 17 \end{array} \quad \begin{array}{r} 10.3 \\ 10 \end{array} \quad 10.0 \quad \begin{array}{r} 10.4 \\ 10.5 \end{array} \quad \begin{array}{r} 10.7 \\ 23 \end{array} \quad \begin{array}{r} 11.0 \\ 10.7 \end{array} \quad \begin{array}{r} 25.4 \\ 25.4 \end{array}
 \end{array}$$

$$\begin{array}{r}
 9.2 \quad 34 \overline{) 100} \quad \begin{array}{r} 70 \\ 68 \\ 70 \\ 103 \end{array} \quad \begin{array}{r} 27 \\ 27 \\ 24 \\ 16 \end{array} \quad \begin{array}{r} 9.5 \\ 13 \end{array} \quad \begin{array}{r} 9.4 \\ 10.5 \end{array} \quad 9.0 \quad \begin{array}{r} 9.5 \\ 10 \end{array} \quad \begin{array}{r} 9.6 \\ 12 \end{array} \quad \begin{array}{r} 10.0 \\ 14 \end{array} \quad \begin{array}{r} 9.0 \\ 16 \end{array} \quad \begin{array}{r} 9.0 \\ 20 \end{array} \quad \begin{array}{r} 9.2 \\ 22 \end{array} \quad \begin{array}{r} 6.9 \\ 23 \end{array} \quad \begin{array}{r} 31.6 \\ 31.6 \end{array}
 \end{array}$$

$$\begin{array}{r}
 8.2 \quad 30 \overline{) 100} \quad \begin{array}{r} 4.3 \\ 4.3 \end{array} \quad \begin{array}{r} 4.7 \\ 20 \end{array} \quad \begin{array}{r} 8.5 \\ 15 \end{array} \quad \begin{array}{r} 8.2 \\ 10 \end{array} \quad 8.0 \quad \begin{array}{r} 8.3 \\ 10 \end{array} \quad \begin{array}{r} 9.0 \\ 15 \end{array} \quad \begin{array}{r} 5.0 \\ 23 \end{array} \quad \begin{array}{r} 4.8 \\ 24 \end{array} \quad \begin{array}{r} 33.8 \\ 33.8 \end{array}
 \end{array}$$

$$\begin{array}{r}
 8.0 \quad 36 \overline{) 100} \quad \begin{array}{r} 4.7 \\ 4.7 \end{array} \quad \begin{array}{r} 4.9 \\ 19 \end{array} \quad \begin{array}{r} 8.3 \\ 15 \end{array} \quad \begin{array}{r} 8.1 \\ 10 \end{array} \quad 7.8 \quad \begin{array}{r} 8.2 \\ 11 \end{array} \quad \begin{array}{r} 8.7 \\ 16 \end{array} \quad \begin{array}{r} 4.0 \\ 23 \end{array} \quad \begin{array}{r} 4.6 \\ 24 \end{array} \quad \begin{array}{r} 33.8 \\ 33.8 \end{array}
 \end{array}$$

Sch. + π - Elev.

991.35

41.50

+50

42

+50

43

+50

8.68

996.19

3.84

98751

44

+50

45

+20

+55

46

Lt

L

Rt.

5

$$7.2 \quad 324 \left| \begin{array}{cccc} 46 & 45 & 50 & 75 \\ 27 & 24 & 19 & 16 \end{array} \right. \begin{array}{c} 74 \\ 10 \end{array} \quad 71 \quad \begin{array}{c} 75 \\ 10 \end{array} \quad \begin{array}{c} 76 \\ 14 \end{array} \quad \begin{array}{c} 68 \\ 19 \end{array} \quad \begin{array}{c} 44 \\ 23 \end{array} \quad \begin{array}{c} 49 \\ 22 \end{array} \left| 318 \right.$$

$$6.3 \quad 271 \left| \begin{array}{cccc} 59 & 55 & 58 & 75 \\ 104 & 24 & 18 & 16 \end{array} \right. \begin{array}{c} 75 \\ 15 \end{array} \quad \begin{array}{c} 66 \\ 12 \end{array} \quad \begin{array}{c} 64 \\ 10 \end{array} \quad 61 \quad \begin{array}{c} 65 \\ 9 \end{array} \quad \begin{array}{c} 67 \\ 21 \end{array} \quad \begin{array}{c} 65 \\ 21 \end{array} \left| 26.6 \right.$$

$$5.7 \quad 240 \left| \begin{array}{cccc} 72 & 72 & 78 & 60 \\ 200 & 15 & 21 & 13 \end{array} \right. \begin{array}{c} 89 \\ 95 \end{array} \quad 55 \quad \begin{array}{c} 58 \\ 105 \end{array} \quad \begin{array}{c} 60 \\ 12 \end{array} \quad \begin{array}{c} 65 \\ 18 \end{array} \quad \begin{array}{c} 8.2 \\ 23 \end{array} \quad \begin{array}{c} 8.3 \\ 26 \end{array} \left| 26.4 \right.$$

$$5.3 \quad 250 \left| \begin{array}{cccc} 63 & 65 & 63 & 55 \\ 205 & 12 & 15 & 12 \end{array} \right. \begin{array}{c} 54 \\ 95 \end{array} \quad 51 \quad \begin{array}{c} 54 \\ 105 \end{array} \quad \begin{array}{c} 60 \\ 20 \end{array} \quad \begin{array}{c} 83 \\ 25 \end{array} \quad \begin{array}{c} 83 \\ 20 \end{array} \left| 28.0 \right.$$

$$4.7 \quad 270 \left| \begin{array}{cccc} 47 & 44 & 54 & 48 \\ 100 & 17 & 16 & 12 \end{array} \right. \begin{array}{c} 48 \\ 95 \end{array} \quad 45 \quad \begin{array}{c} 48 \\ 105 \end{array} \quad \begin{array}{c} 57 \\ 20 \end{array} \quad \begin{array}{c} 101 \\ 25 \end{array} \left| 6.8 \right.$$

$$4.2 \quad 57 \quad 322 \left| \begin{array}{cccc} 16 & 15 & 19 & 46 \\ 226 & 22 & 19 & 15 \end{array} \right. \begin{array}{c} 44 \\ 11 \end{array} \quad 40 \quad \begin{array}{c} 42 \\ 105 \end{array} \quad \begin{array}{c} 47 \\ 14 \end{array} \quad \begin{array}{c} 47 \\ 18 \end{array} \quad \begin{array}{c} 53 \\ 20 \end{array} \left| 24.8 \right.$$

$$8.6 \quad 101 \quad 362 \left| \begin{array}{cccc} 40 & 47 & 89 & 87 \\ 262 & 21 & 15 & 95 \end{array} \right. \begin{array}{c} 46 \\ 95 \end{array} \quad 84 \quad \begin{array}{c} 88 \\ 105 \end{array} \quad \begin{array}{c} 93 \\ 15 \end{array} \quad \begin{array}{c} 83 \\ 18 \end{array} \quad \begin{array}{c} 91 \\ 20 \end{array} \left| 20.0 \right.$$

$$8.4 \quad 370 \left| \begin{array}{cccc} 94 & 85 & 43 & 85 \\ 150 & 21 & 16 & 95 \end{array} \right. \begin{array}{c} 84 \\ 95 \end{array} \quad 82 \quad \begin{array}{c} 86 \\ 105 \end{array} \quad \begin{array}{c} 90 \\ 16 \end{array} \quad \begin{array}{c} 81 \\ 17 \end{array} \quad \begin{array}{c} 77 \\ 24 \end{array} \quad \begin{array}{c} 29 \\ 105 \end{array} \left| 28.0 \right.$$

$$8.6 \quad 356 \left| \begin{array}{cccc} 43 & 44 & 48 & 90 \\ 143 & 31 & 16 & 95 \end{array} \right. \begin{array}{c} 86 \\ 95 \end{array} \quad 84 \quad \begin{array}{c} 88 \\ 11 \end{array} \quad \begin{array}{c} 94 \\ 15 \end{array} \quad \begin{array}{c} 84 \\ 17 \end{array} \quad \begin{array}{c} 74 \\ 25 \end{array} \quad \begin{array}{c} 72 \\ 14 \end{array} \left| 29.8 \right.$$

$$9.0 \quad 366 \left| \begin{array}{cccc} 42 & 46 & 93 & 91 \\ 148 & 21 & 15 & 95 \end{array} \right. \begin{array}{c} 88 \\ 95 \end{array} \quad 88 \quad \begin{array}{c} 92 \\ 105 \end{array} \quad \begin{array}{c} 96 \\ 14 \end{array} \quad \begin{array}{c} 90 \\ 17 \end{array} \quad \begin{array}{c} 82 \\ 108 \end{array} \left| 28.6 \right.$$

$$9.5 \quad 370 \left| \begin{array}{cccc} 45 & 49 & 97 & 96 \\ 150 & 22 & 14 & 9 \end{array} \right. \begin{array}{c} 93 \\ 9 \end{array} \quad 93 \quad \begin{array}{c} 95 \\ 105 \end{array} \quad \begin{array}{c} 98 \\ 13 \end{array} \quad \begin{array}{c} 103 \\ 15 \end{array} \quad \begin{array}{c} 78 \\ 25 \end{array} \quad \begin{array}{c} 80 \\ 16 \end{array} \left| 20.2 \right.$$

$$10.8 \quad 380 \left| \begin{array}{cccc} 68 & 72 & 110 & 109 \\ 140 & 22 & 15 & 95 \end{array} \right. \begin{array}{c} 106 \\ 95 \end{array} \quad 106 \quad \begin{array}{c} 110 \\ 10 \end{array} \quad \begin{array}{c} 118 \\ 16 \end{array} \quad \begin{array}{c} 110 \\ 17 \end{array} \quad \begin{array}{c} 108 \\ 21 \end{array} \quad \begin{array}{c} 80 \\ 25 \end{array} \quad \begin{array}{c} 78 \\ 16 \end{array} \left| 33 \right.$$

Sta. + T - Elev.

996.19

46+42

T.P.

4.31

988.34

12.16

984.03

+53

+95

47+0

+17

+60

48

+50

49+0

T.P.

9.70

996.49

1.55

986.79

B.M.

13.75

983.24

49+50

50+0

L4.

E

RT.

C

11.7 35.2 | 7.6 80 12.1 11.7 11.5 120 124 132 130 109 109 | 28.6
76 14.1 22 16 9.5 10 12 15 20 24 28

4.0 270 | 40 40 3.8 4.3 4.7 6.1 5.8 4.9 4.8
400 10 10 14 17 21 24 25.07 25.4

4.4 48 4.0 4.2 4.7 5.0 10.7 12.0 13.4
18 10 12 21 29 24

4.4 20.8 | 8.1 76 4.8 4.5 4.2 4.7 4.9 10.5 126 14.0
3.7 20 15 16 10 12 19 29 -9.6 5.4

4.6 42.8 | 11.3 11.6 4.9 4.7 4.4 4.9 5.1 11.5 13.3 14.7
6.7 25 14 10 5.5 11 20 28 -10.1 16.2

4.8 48.0 | 12.8 12.8 12.0 5.1 4.9 4.6 4.9 5.1 13.5 14.7
8.0 29 21 12 10 9 11 22 -10.0 5.6

4.7 47.2 | 12.5 12.1 5.0 4.8 4.5 4.8 5.1 11.1 11.6 12.1
7.8 22 12 10.5 9.5 12 21 34 -7.4 4.6

4.4 44.6 | 11.5 11.5 10.0 4.8 4.5 4.4 4.6 8.1 8.2 6.8
7.1 29 21 13 9.5 9.5 12 18 23 -2.4 15.6

3.8 20.4 | 4.5 4.8 4.1 3.8 3.6 3.8 4.0 5.8 6.4 3.6 3.5
11.1 21 15 10 9 13 16 20 25 10.3 27.6

Nail in T.P. RT. 544 494

R.R. spike in R.P. 100 RT. 494 51

11.2 20.9 | 9.7 9.6 12.7 12.4 11.5 11.3 11.0 11.3 11.6 13.5 12.3 12.5
14.5 23 19 16 13 10 10 13 18 22 20.2 24.4

10.2 35.0 | 6.2 6.5 11.4 11.4 10.4 10.3 10.0 10.4 10.6 12.3 12.3 11.5 11.5
40 24 19 17 12 10 10.5 14 17 22 23 20.2 24.4

Sta. + π - Elev.

996.49

50+50

51+0

+40

+70

52+0

+30

9.76

1005.55

0.20

996.29

+70 -

53+0

+50

+26.8

T.P.

7.40

1010.48

2.47

1003.08

54

+25

H:

E

R4

7

$$84 \begin{array}{r} 37.2 \\ +51.3 \\ \hline \end{array} \begin{array}{r} 33.26 \\ 44 \\ 92 \\ 92 \\ 86 \\ 85 \\ 82 \end{array} \begin{array}{r} 19 \\ 24 \\ 18 \\ 15 \\ 12 \\ 9.5 \end{array} \begin{array}{r} 7.0 \\ 7.3 \\ 6.7 \\ 6.6 \end{array} \begin{array}{r} 8.8 \\ 9.1 \\ 10.5 \\ 10.8 \\ 9.9 \\ 24.0 \end{array}$$

$$6.5 \begin{array}{r} 36.2 \\ +46 \\ \hline \end{array} \begin{array}{r} 19 \\ 34 \\ 24 \\ 13 \\ 12 \\ 10.5 \end{array} \begin{array}{r} 6.6 \\ 6.9 \\ 8.2 \\ 8.3 \\ 6.8 \\ 6.5 \end{array} \begin{array}{r} 11.5 \\ 14 \\ 17 \\ 19 \\ 22 \\ 27 \end{array}$$

$$5.1 \begin{array}{r} 76.0 \\ +10.0 \\ \hline \end{array} \begin{array}{r} 8.6 \\ 5.6 \\ 5.3 \\ 4.9 \end{array} \begin{array}{r} 5.2 \\ 5.3 \\ 6.5 \\ 6.7 \\ 5.4 \\ 5.3 \end{array} \begin{array}{r} 11.5 \\ 15 \\ 19 \\ 22 \\ 24 \\ 26.6 \end{array}$$

$$4.3 \begin{array}{r} 30.8 \\ +32 \\ \hline \end{array} \begin{array}{r} 7.4 \\ 7.8 \\ 4.8 \\ 4.5 \end{array} \begin{array}{r} 4.3 \\ 4.1 \\ 4.3 \\ 4.4 \\ 5.5 \\ 5.5 \\ 4.3 \\ 4.5 \end{array} \begin{array}{r} 11.5 \\ 15 \\ 18 \\ 22 \\ 24 \\ 26.6 \end{array}$$

$$3.0 \begin{array}{r} 32.4 \\ -41 \\ \hline \end{array} \begin{array}{r} 7.1 \\ 7.0 \\ 3.9 \\ 3.3 \end{array} \begin{array}{r} 3.1 \\ 3.3 \\ 4.3 \\ 4.2 \\ 3.0 \\ 2.9 \end{array} \begin{array}{r} 11.5 \\ 16 \\ 18 \\ 21 \\ 23 \\ 24.8 \end{array}$$

$$1.6 \begin{array}{r} 75.6 \\ +20.8 \\ \hline \end{array} \begin{array}{r} 2.3 \\ 1.6 \\ 1.4 \end{array} \begin{array}{r} 1.6 \\ 1.8 \\ 2.4 \\ 1.5 \\ 1.8 \end{array} \begin{array}{r} 12 \\ 16 \\ 19 \\ 21 \\ 26.6 \end{array}$$

$$8.9 \begin{array}{r} 37.6 \\ +78 \\ \hline \end{array} \begin{array}{r} 6.3 \\ 6.1 \\ 6.0 \\ 9.8 \\ 9.2 \\ 9.1 \end{array} \begin{array}{r} 9.0 \\ 9.1 \\ 9.7 \\ 8.9 \\ 8.7 \end{array} \begin{array}{r} 11.5 \\ 16 \\ 19 \\ 21 \\ 27.4 \end{array}$$

$$8.2 \begin{array}{r} 37.6 \\ +73.3 \\ \hline \end{array} \begin{array}{r} 5.0 \\ 5.1 \\ 9.2 \\ 9.2 \\ 8.5 \\ 8.3 \end{array} \begin{array}{r} 8.4 \\ 8.5 \\ 9.3 \\ 8.0 \\ 8.0 \end{array} \begin{array}{r} 12.5 \\ 16 \\ 18 \\ 21 \\ 27.6 \end{array}$$

$$6.7 \begin{array}{r} 33.4 \\ +32 \\ \hline \end{array} \begin{array}{r} 3.5 \\ 4.2 \\ 7.7 \\ 7.7 \\ 6.9 \\ 6.8 \end{array} \begin{array}{r} 6.7 \\ 6.9 \\ 7.6 \\ 7.6 \\ 6.2 \\ 6.7 \end{array} \begin{array}{r} 12 \\ 15 \\ 16 \\ 19 \\ 20 \\ 27.0 \end{array}$$

$$5.8 \begin{array}{r} 32.2 \\ +31 \\ \hline \end{array} \begin{array}{r} 5.7 \\ 3.2 \\ 6.5 \\ 6.1 \\ 6.0 \end{array} \begin{array}{r} 5.8 \\ 5.9 \end{array} \begin{array}{r} 11.5 \\ 33 \end{array}$$

Nail in R.P. 451

$$10.0 \begin{array}{r} 35.4 \\ +42 \\ \hline \end{array} \begin{array}{r} 5.8 \\ 6.4 \\ 10.4 \\ 10.3 \end{array} \begin{array}{r} 9.8 \\ 10.2 \\ 10.4 \\ 11.3 \\ 10.7 \\ 10.4 \end{array} \begin{array}{r} 12 \\ 15 \\ 18 \\ 23 \\ 26.2 \end{array}$$

$$84 \begin{array}{r} 38.6 \\ +43 \\ \hline \end{array} \begin{array}{r} 5.1 \\ 5.6 \\ 7.6 \\ 9.5 \end{array} \begin{array}{r} 9.5 \\ 9.8 \\ 10.3 \\ 10.3 \end{array} \begin{array}{r} 11.5 \\ 16 \\ 17 \\ 20.6 \end{array} \begin{array}{r} 75.4 \end{array}$$

No + π - Elev

101048

5470

5540

+65

5640

+75

+60

5740

+50

T.P.

10.11

1019.29

1.30

1009.18

58

+45

59

+50

4.

2

21.

8

$$8.5 \quad 29.2 \left| \begin{array}{cccc} 7.4 & 7.8 & 9.0 & 8.4 \\ 1.1 & 1.7 & 1.4 & 1.1 \end{array} \right. \quad 8.3 \quad \begin{array}{cccc} 8.7 & 9.0 & 9.6 & 9.6 \\ 1.2 & 1.5 & 1.7 & 2.0 \end{array} \left| 24.8 \right.$$

$$8.0 \quad 31.0 \left| \begin{array}{cccc} 6.0 & 5.8 & 6.2 & 8.9 \\ 1.0 & 1.8 & 1.9 & 1.5 \end{array} \right. \quad 8.1 \quad \begin{array}{cccc} 8.1 & 7.9 & 7.8 & 8.2 \\ 1.1 & 1.5 & 1.7 & 1.6 \end{array} \left| 24.0 \right.$$

$$6.4 \quad 33.2 \left| \begin{array}{cccc} 3.3 & 3.0 & 6.5 & 6.6 \\ 1.1 & 1.0 & 1.4 & 1.5 \end{array} \right. \quad 6.2 \quad \begin{array}{cccc} 6.4 & 6.8 & 7.7 & 7.9 \\ 1.2 & 1.4 & 1.7 & 1.5 \end{array} \left| 22.0 \right.$$

$$5.8 \quad 31.0 \left| \begin{array}{cccc} 3.8 & 3.3 & 6.2 & 5.9 \\ 1.0 & 1.0 & 1.4 & 1.5 \end{array} \right. \quad 5.6 \quad \begin{array}{cccc} 5.8 & 6.3 & 6.8 & 6.8 \\ 1.5 & 1.5 & 1.7 & 1.9 \end{array} \left| 19.6 \right.$$

$$5.4 \quad 28.6 \left| \begin{array}{cccc} 4.6 & 4.0 & 4.0 & 6.4 \\ 1.0 & 1.7 & 1.8 & 1.5 \end{array} \right. \quad 5.5 \quad \begin{array}{cccc} 5.5 & 7.2 & 9.7 & 11.9 \\ 1.0 & 1.0 & 1.8 & 1.5 \end{array} \left| 42.0 \right.$$

$$5.0 \quad 28.8 \left| \begin{array}{cccc} 7.2 & 7.6 & 5.3 & 5.0 \\ 1.2 & 1.6 & 1.2 & 1.9 \end{array} \right. \quad 4.8 \quad \begin{array}{cccc} 5.0 & 5.8 & 11.2 & 12.4 \\ 1.0 & 1.3 & 1.3 & 1.4 \end{array} \left| 45.6 \right.$$

$$4.4 \quad 26.8 \left| \begin{array}{cccc} 7.1 & 6.8 & 4.9 & 4.5 \\ 1.7 & 1.6 & 1.2 & 1.5 \end{array} \right. \quad 4.2 \quad \begin{array}{cccc} 4.5 & 4.9 & 9.0 & 11.2 \\ 1.0 & 1.2 & 1.0 & 1.6 \end{array} \left| 46.8 \right.$$

$$3.1 \quad 23.2 \left| \begin{array}{cccc} 4.9 & 4.7 & 3.3 & 3.2 \\ 1.8 & 1.6 & 1.2 & 1.9 \end{array} \right. \quad 2.9 \quad \begin{array}{cccc} 3.1 & 3.3 & 6.6 & 8.7 \\ 1.0 & 1.3 & 1.4 & 1.5 \end{array} \left| 38.4 \right.$$

$$10.3 \quad 24.0 \left| \begin{array}{cccc} 19.3 & 10.1 & 11.0 & 10.5 \\ 1.0 & 1.8 & 1.7 & 1.2 \end{array} \right. \quad 10.1 \quad \begin{array}{cccc} 10.4 & 11.8 & 10.6 & 11.1 \\ 1.5 & 1.6 & 1.0 & 1.0 \end{array} \left| 25.4 \right.$$

$$9.2 \quad 37.0 \left| \begin{array}{cccc} 4.2 & 5.4 & 6.0 & 9.4 \\ 1.0 & 1.4 & 1.9 & 1.6 \end{array} \right. \quad 9.0 \quad \begin{array}{cccc} 9.5 & 10.8 & 9.5 & 9.9 \\ 1.5 & 1.7 & 1.8 & 1.8 \end{array} \left| 25.6 \right.$$

$$7.9 \quad 35.4 \left| \begin{array}{cccc} 7.6 & 4.2 & 4.9 & 7.9 \\ 1.4 & 1.3 & 1.0 & 1.6 \end{array} \right. \quad 7.7 \quad \begin{array}{cccc} 8.0 & 9.1 & 8.1 & 8.4 \\ 1.2 & 1.7 & 1.8 & 1.1 \end{array} \left| 24.4 \right.$$

$$6.6 \quad 35.4 \left| \begin{array}{cccc} 7.5 & 3.5 & 6.5 & 6.6 \\ 1.1 & 1.9 & 1.7 & 1.8 \end{array} \right. \quad 6.4 \quad \begin{array}{cccc} 6.7 & 7.2 & 6.3 & 6.3 \\ 1.2 & 1.6 & 1.8 & 1.1 \end{array} \left| 25.2 \right.$$

Sta. + π - Elev.

1019.29

59+83

60+0

60+12

+28

+67

+85

61+0

1015.2

+20

+32

+65

13.76 1026.90

6.15

1013.14

60+12

+28

4.

2

RT.

9

5.8

$$346 \overline{) 20} \quad 30 \overline{) 86} \quad 5.8 \overline{) 8} \quad 56 \quad 59 \overline{) 72} \quad 64 \overline{) 16} \quad 46 \overline{) 20} \quad 56 \overline{) 30}$$

5.5

$$31.8 \overline{) 3.1} \quad 46 \overline{) 17} \quad 5.4 \overline{) 14} \quad 5.1 \overline{) 9} \quad 53 \quad 5.5 \overline{) 12} \quad 60 \overline{) 17} \quad 3.8 \overline{) 20} \quad 40 \overline{) 24} \quad 47 \overline{) 40.8} \quad 28.6$$

5.2

$$86 \overline{) 31} \quad 88 \overline{) 21} \quad 5.5 \overline{) 15} \quad 5.1 \overline{) 7} \quad 51 \quad 5.3 \overline{) 11.5} \quad 60 \overline{) 17} \quad 2.8 \overline{) 21} \quad 28 \overline{) 24} \quad 42 \overline{) 27} \quad 42 \overline{) 38}$$

5.0

$$5.1 \overline{) 15} \quad 50 \overline{) 7} \quad 48 \quad 5.1 \overline{) 12} \quad 5.7 \overline{) 18}$$

4.4

$$26 \overline{) 16} \quad 47 \overline{) 15} \quad 44 \overline{) 7} \quad 42 \quad 4.5 \overline{) 12.5} \quad 4.8 \overline{) 18} \quad 2.2 \overline{) 22}$$

4.2

$$1.2 \overline{) 18} \quad 45 \overline{) 15} \quad 42 \overline{) 11} \quad 4.1 \overline{) 7} \quad 40 \quad 4.3 \overline{) 12} \quad 4.5 \overline{) 20} \quad 20 \overline{) 23}$$

4.1

$$64 \overline{) 20} \quad 42 \overline{) 16} \quad 4.1 \overline{) 7} \quad 39 \quad 4.2 \overline{) 13} \quad 4.7 \overline{) 19} \quad 20 \overline{) 24}$$

4.2

$$4.4 \overline{) 17} \quad 42 \overline{) 7.5} \quad 40 \quad 4.3 \overline{) 11.5} \quad 50 \overline{) 19} \quad 30 \overline{) 23}$$

4.2

$$48 \overline{) 20} \quad 46 \overline{) 13} \quad 42 \overline{) 6.5} \quad 40 \quad 4.3 \overline{) 13} \quad 5.2 \overline{) 20}$$

4.5

$$49 \overline{) 15} \quad 4.5 \overline{) 6.5} \quad 43 \quad 46 \overline{) 12.5} \quad 5.2 \overline{) 16} \quad 5.8 \overline{) 18} \quad 4.7 \overline{) 22} \quad 5.5 \overline{) 12.5} \quad 25.0$$

12.9

$$375 \overline{) 59} \quad 270$$

12.6

$$42 \overline{) 2.6} \quad 100$$

$$6.8 \overline{) 32} \quad 7.5 \overline{) 22}$$

$$8.7 \overline{) 24}$$

$$86 \overline{) 140} \quad 35.0$$

St. + T - Elev.

1026.90

6067

6085

6140

1019.2

+20

+32

+65

6240

6.54 1030.58 2.80

1024.04

6067

+85

6140

+20

+32

17.44

1013.14

Gr. Bed

4

E

Rt.

10

$$12.0 \quad 42.9 \begin{array}{r} 1.4 \\ +10.6 \\ \hline 37 \end{array} \quad \begin{array}{r} 2.0 \\ 3.2 \\ \hline 24 \end{array}$$

$$11.8 \quad 43.4 \begin{array}{r} 0.9 \\ +10.9 \\ \hline 28 \end{array} \quad \begin{array}{r} 1.3 \\ 1.3 \\ \hline 28 \end{array}$$

$$11.7 \quad \begin{array}{l} 11.6 \\ 11.1 \\ 10.1 \\ 10.0 \end{array} \begin{array}{r} 43.5 \\ 43.5 \\ 43.5 \\ 43.5 \end{array} \begin{array}{r} 0.7 \\ 0.7 \\ 0.7 \\ 0.7 \end{array} \begin{array}{r} 1.1 \\ 1.1 \\ 1.1 \\ 1.1 \end{array} \begin{array}{r} 2.0 \\ 2.0 \\ 2.0 \\ 2.0 \end{array}$$

$$11.8 \quad 43.5 \begin{array}{r} 0.8 \\ +11.0 \\ \hline 29 \end{array} \quad \begin{array}{r} 1.0 \\ 1.0 \\ \hline 29 \end{array}$$

$$11.8 \quad \begin{array}{r} 1.1 \\ 4.1 \\ \hline 35 \end{array} \quad \begin{array}{r} 1.1 \\ 1.1 \\ \hline 35 \end{array}$$

$$+50 = 00 \text{ Fi} / 33$$

$$\begin{array}{r} 2.6 \\ 43.4 \\ \hline \end{array}$$

$$12.1 \quad 40.2 \begin{array}{r} 3.3 \\ +8.8 \\ \hline 28 \end{array} \quad \begin{array}{r} 4.0 \\ 2.8 \\ \hline 22 \end{array} \quad \begin{array}{r} 6.4 \\ 6.4 \\ \hline 22 \end{array}$$

$$12.7 \quad \begin{array}{r} 3.1 \\ 12.7 \\ +50 \end{array} \begin{array}{r} 72 \\ 80 \\ 79 \\ 74 \\ 77 \end{array} \begin{array}{r} 11.4 \\ 12.6 \\ 13.0 \\ 13.1 \\ 13.2 \end{array} \begin{array}{r} 12.7 \\ 12.7 \\ 12.7 \\ 12.7 \\ 12.7 \end{array} \begin{array}{r} 12.5 \\ 12.5 \\ 12.5 \\ 12.5 \\ 12.5 \end{array}$$

$$15.7 \quad \begin{array}{r} 8.1 \\ 3.0 \\ \hline 30 \end{array} \quad \begin{array}{r} 3.8 \\ 3.3 \\ \hline 33 \end{array} \quad \begin{array}{r} 2.2 \\ 13.5 \\ \hline 54 \end{array}$$

$$15.5 \quad \begin{array}{r} 4.9 \\ 3.7 \\ \hline 37 \end{array} \quad \begin{array}{r} 0.4 \\ 4.0 \\ \hline 40 \end{array} \quad \begin{array}{r} 0.0 \\ 15.5 \\ \hline 58 \end{array} \quad \begin{array}{r} 2.1 \\ 1.1 \\ \hline 3.2 \end{array}$$

$$15.4 \quad \begin{array}{r} 2.2 \\ 4.2 \\ \hline 42 \end{array} \quad \begin{array}{r} 3.1 \\ 13.3 \\ \hline 53.6 \end{array}$$

$$15.5 \quad \begin{array}{r} 7.4 \\ 3.3 \\ \hline 33 \end{array} \quad \begin{array}{r} 8.0 \\ 11.5 \\ \hline 42 \end{array}$$

$$15.5 \quad \begin{array}{r} 11.3 \\ 7.8 \\ \hline 28 \end{array} \quad \begin{array}{r} 11.9 \\ 13.6 \\ \hline 24.2 \end{array}$$

$$61 + 50 = 111$$

Sta + T - E/cv.

3.53 1016.67

101314

62 to

+50

63

+

+50

J.P.

2.70 1012.59 6.78

1009.89

64

+50

+85

65

+75

+55 App & track

+85

9.68 1021.63 0.64

1011.95

H.

I

Rt.

11

25 - 33033

23

26

39

63

70

340

20

125

22

27

45

340

45

3.5

48033

263

3.5

3.7

4.5

38

36

33

3.8

7.8

7.7

32.8

-33

13

31

-4.2

46.2

46.2

46.2

46.2

46.2

4.6

51023

32

8.4

8.5

5.2

4.7

4.4

4.7

5.1

12.2

13.2

18.6

52.0

-84

166

166

166

166

166

166

166

5.7

45033

46.4

3.3

13.3

12.3

6.3

5.7

5.5

5.9

7.5

15.7

16.3

58.4

-100

13

18

33

106

58.4

73

73

2.9

47

488

11.1

11.0

9.9

3.4

3.0

2.7

3.1

3.6

10.8

12.4

11.9

16.9

-90

12.5

15

27

34

-9.0

52

4.0

48

46.8

11.7

11.0

4.7

4.2

3.8

4.0

4.3

11.7

12.3

14.2

-78

13

17

30

-8.3

14.2

63

63

63

4.2

80

46.4

11.8

10.6

5.1

4.4

4.0

4.2

5.1

10.4

11.6

45.6

-66

13

19

29

-7.4

45.6

54.4

54.4

54.4

4.2

24.8

6.4

2.2

4.4

4.0

4.1

4.3

5.0

14.2

4.2

2.2

2.2

2.2

2.2

2.2

2.2

2.2

2.2

2.2

2.2

2.2

4.1

34.4

18.4

7.7

4.9

4.3

3.9

4.0

4.1

4.7

3.1

29.2

2.2

2.2

2.2

2.2

2.2

2.2

2.2

2.2

2.2

2.2

4.3

46

16

8

4.1

4.1

4.7

3.1

29.2

2.2

2.2

2.2

2.2

2.2

2.2

2.2

2.2

2.2

2.2

2.2

2.2

2.2

2.0

7.9

16

2.2

10.6

1.8

2.3

2.3

2.3

1.7

16

20

16

10.4

77.8

77.8

77.8

77.8

77.8

77.8

77.8

77.8

Sta.

+

A

-

Elev.

1021.63

66

+50

107.5

MOR

4.59

B.M.-

11.94

1028.98

4.59

1017.04

+78

66+95

67+05

67+55

67+75

T.R

13.49

1038.24

4.23

1024.75

68

+15

+52

+66

$$9.9 \quad 40.0 \quad \begin{array}{r} 15.9 \\ -6.0 \end{array} \quad \begin{array}{r} 14.8 \\ 7.6 \end{array} \quad \begin{array}{r} 10.6 \\ 1.3 \end{array} \quad \begin{array}{r} 10.0 \\ 9 \end{array} \quad 9.7 \quad \begin{array}{r} 10.2 \\ 11.5 \end{array} \quad \begin{array}{r} 10.3 \\ 7.6 \end{array} \quad \begin{array}{r} 9.3 \\ 1.8 \end{array} \quad \begin{array}{r} 9.7 \\ 10.2 \end{array} \quad 12.74$$

$$6.1 \quad \begin{array}{r} 6.6 \\ -1.5 \end{array} \quad \begin{array}{r} 6.5 \\ 1.4 \end{array} \quad \begin{array}{r} 6.2 \\ 1.0 \end{array} \quad 8.9 \quad \begin{array}{r} 6.0 \\ 10.5 \end{array} \quad \begin{array}{r} 6.5 \\ 1.6 \end{array} \quad \begin{array}{r} 5.2 \\ 2.0 \end{array} \quad \begin{array}{r} 5.0 \\ 11.1 \end{array} \quad 14.7$$

$$4.8 \quad \begin{array}{r} 5.7 \\ -0.6 \end{array} \quad \begin{array}{r} 6.0 \\ 2.2 \end{array} \quad \begin{array}{r} 4.9 \\ 7.5 \end{array} \quad 4.6 \quad \begin{array}{r} 4.8 \\ 10.6 \end{array} \quad \begin{array}{r} 5.2 \\ 1.7 \end{array} \quad \begin{array}{r} 4.7 \\ 2.2 \end{array} \quad \begin{array}{r} 5.0 \\ 3.0 \end{array}$$

Top down.

$$11.3 \quad \begin{array}{r} 2.9 \\ 31.8 \end{array} \quad \begin{array}{r} 9.1 \\ 2.5 \end{array} \quad \begin{array}{r} 11.6 \\ 1.8 \end{array} \quad \begin{array}{r} 11.5 \\ 1.0 \end{array} \quad 11.1 \quad \begin{array}{r} 11.4 \\ 1.0 \end{array} \quad \begin{array}{r} 12.0 \\ 1.7 \end{array} \quad \begin{array}{r} 11.1 \\ 1.9 \end{array} \quad \begin{array}{r} 10.5 \\ 10.8 \end{array} \quad \begin{array}{r} 28.6 \\ 29.4 \end{array}$$

$$10.2 \quad \begin{array}{r} 7.1 \\ 3.7 \end{array} \quad \begin{array}{r} 7.5 \\ 2.3 \end{array} \quad \begin{array}{r} 10.5 \\ 1.8 \end{array} \quad \begin{array}{r} 10.3 \\ 1.0 \end{array} \quad 10.0 \quad \begin{array}{r} 10.3 \\ 1.0 \end{array} \quad \begin{array}{r} 10.7 \\ 1.7 \end{array} \quad \begin{array}{r} 9.7 \\ 1.8 \end{array} \quad \begin{array}{r} 9.2 \\ 2.2 \end{array} \quad \begin{array}{r} 9.4 \\ 10.8 \end{array} \quad 28.2$$

$$9.6 \quad \begin{array}{r} 6.7 \\ 3.8 \end{array} \quad \begin{array}{r} 6.7 \\ 2.7 \end{array} \quad \begin{array}{r} 7.2 \\ 2.3 \end{array} \quad \begin{array}{r} 10.1 \\ 1.7 \end{array} \quad \begin{array}{r} 9.7 \\ 10.5 \end{array} \quad 9.4 \quad \begin{array}{r} 9.6 \\ 1.0 \end{array} \quad \begin{array}{r} 10.0 \\ 1.7 \end{array} \quad \begin{array}{r} 8.2 \\ 2.1 \end{array} \quad \begin{array}{r} 8.1 \\ 2.4 \end{array} \quad \begin{array}{r} 4.1 \\ 3.1 \end{array} \quad \begin{array}{r} 4.1 \\ 15.5 \end{array} \quad 138.0$$

$$6.8 \quad \begin{array}{r} 5.5 \\ 29.6 \end{array} \quad \begin{array}{r} 8.6 \\ 41.3 \end{array} \quad \begin{array}{r} 7.2 \\ 2.1 \end{array} \quad \begin{array}{r} 6.9 \\ 1.7 \end{array} \quad 6.6 \quad \begin{array}{r} 6.7 \\ 1.0 \end{array} \quad \begin{array}{r} 7.0 \\ 1.7 \end{array} \quad \begin{array}{r} 4.0 \\ 2.1 \end{array} \quad \begin{array}{r} 2.1 \\ 2.8 \end{array} \quad \begin{array}{r} 1.5 \\ 15.3 \end{array} \quad 37.6$$

$$5.8 \quad \begin{array}{r} 4.8 \\ 3.4 \end{array} \quad \begin{array}{r} 5.0 \\ 2.1 \end{array} \quad \begin{array}{r} 5.7 \\ 1.4 \end{array} \quad \begin{array}{r} 6.2 \\ 1.7 \end{array} \quad \begin{array}{r} 5.7 \\ 9.5 \end{array} \quad 5.6 \quad \begin{array}{r} 5.7 \\ 9.5 \end{array} \quad \begin{array}{r} 6.3 \\ 1.5 \end{array} \quad \begin{array}{r} 3.1 \\ 2.0 \end{array} \quad \begin{array}{r} 10.2 \\ 2.7 \end{array} \quad \begin{array}{r} 10.2 \\ 5.60 \end{array} \quad 79.0$$

$$14.0 \quad \begin{array}{r} 11.9 \\ 31.6 \end{array} \quad \begin{array}{r} 11.8 \\ 7.6 \end{array} \quad \begin{array}{r} 12.6 \\ 2.0 \end{array} \quad \begin{array}{r} 14.3 \\ 1.5 \end{array} \quad \begin{array}{r} 14.0 \\ 9 \end{array} \quad 13.8 \quad \begin{array}{r} 14.0 \\ 9.5 \end{array} \quad \begin{array}{r} 14.3 \\ 1.6 \end{array} \quad \begin{array}{r} 10.8 \\ 2.0 \end{array} \quad \begin{array}{r} 8.3 \\ 2.7 \end{array} \quad \begin{array}{r} 7.8 \\ 16.2 \end{array} \quad 39.4$$

$$13.4 \quad \begin{array}{r} 10.9 \\ 32.0 \end{array} \quad \begin{array}{r} 11.4 \\ 2.4 \end{array} \quad \begin{array}{r} 12.3 \\ 1.9 \end{array} \quad \begin{array}{r} 13.7 \\ 1.4 \end{array} \quad \begin{array}{r} 13.4 \\ 8.5 \end{array} \quad 13.2 \quad \begin{array}{r} 13.4 \\ 9.5 \end{array} \quad \begin{array}{r} 13.7 \\ 1.7 \end{array} \quad \begin{array}{r} 12.3 \\ 2.1 \end{array} \quad \begin{array}{r} 4.0 \\ 2.8 \end{array} \quad \begin{array}{r} 0.4 \\ 3.6 \end{array} \quad \begin{array}{r} 2.1 \\ 11.3 \end{array} \quad 49.6$$

$$12.3 \quad \begin{array}{r} 10.3 \\ 31.0 \end{array} \quad \begin{array}{r} 11.6 \\ 1.9 \end{array} \quad \begin{array}{r} 12.4 \\ 1.5 \end{array} \quad \begin{array}{r} 12.3 \\ 9 \end{array} \quad 12.1 \quad \begin{array}{r} 12.3 \\ 10.5 \end{array} \quad \begin{array}{r} 12.8 \\ 1.6 \end{array} \quad \begin{array}{r} 11.0 \\ 2.0 \end{array} \quad \begin{array}{r} 7.3 \\ 2.6 \end{array} \quad \begin{array}{r} 4.2 \\ 2.9 \end{array} \quad \begin{array}{r} 4.3 \\ 18.0 \end{array} \quad 43.$$

$$12.0 \quad \begin{array}{r} 5.0 \\ 41.0 \end{array} \quad \begin{array}{r} 4.5 \\ 2.8 \end{array} \quad \begin{array}{r} 12.2 \\ 1.5 \end{array} \quad \begin{array}{r} 12.0 \\ 8.5 \end{array} \quad 11.8 \quad \begin{array}{r} 12.0 \\ 1.1 \end{array} \quad \begin{array}{r} 12.5 \\ 1.7 \end{array} \quad \begin{array}{r} 11.2 \\ 2.0 \end{array} \quad \begin{array}{r} 10.3 \\ 2.3 \end{array} \quad \begin{array}{r} 8.2 \\ 7.6 \end{array} \quad \begin{array}{r} 5.9 \\ 2.8 \end{array} \quad \begin{array}{r} 5.2 \\ 16.8 \end{array} \quad 40.6$$

St.

+

A

-

Elev.

1038.34

68+93

69+15

T.P.

3.88

1030.26

11.86

1026.38

69+40

+70

70+0

1

+75

+65

71

4.17

1028.90

5.53

1024.73

+50

72

+25

+55

4.

4

4.

13

$$11.6 \quad 40 \left| \begin{array}{cccc} 5.1 & 4.4 & 11.8 & 11.7 \\ 16.5 & 29 & 15 & 8.5 \end{array} \right. \quad 11.4 \quad \begin{array}{cc} 11.6 & 120 \\ 11 & 16 \end{array} \quad \begin{array}{cc} 10.7 & 10.5 \\ 19 & 23 \end{array} \quad \begin{array}{cc} 86 & 8.8 \\ 29 & 28 \end{array} \left| 326 \right.$$

$$11.5 \quad 308 \left| \begin{array}{cccc} 96 & 86 & 124 & 119 \\ 119 & 22 & 75 & 12 \end{array} \right. \quad 11.6 \quad 11.3 \quad \begin{array}{cc} 11.5 & 120 \\ 11 & 16 \end{array} \quad \begin{array}{cc} 11.5 & 11.6 \\ 17 & 21.4 \end{array} \left| 76.8 \right.$$

$$3.6 \quad 240 \left| \begin{array}{ccc} 5.1 & 49 & 3.7 \\ 1000 & 14 & 8 \end{array} \right. \quad 3.4 \quad \begin{array}{cc} 3.6 & 39 \\ 11.5 & 16 \end{array} \quad \begin{array}{c} 40 \\ 20.1 \end{array} \left| 26.2 \right.$$

$$3.8 \quad 472 \left| \begin{array}{ccc} 116 & 85 & 81 \\ 7.8 & 28 & 19 \end{array} \right. \quad \begin{array}{cc} 44 & 40 \\ 11 & 8 \end{array} \quad 36 \quad \begin{array}{cc} 3.8 & 4.2 \\ 12.5 & 20.1 \end{array} \left| 26.2 \right.$$

$$4.2 \quad 496 \left| \begin{array}{ccc} 126 & 117 & 104 \\ 84 & 33 & 22 \end{array} \right. \quad \begin{array}{cc} 47 & 4.3 \\ 12 & 2.5 \end{array} \quad 40 \quad \begin{array}{cc} 4.3 & 47 \\ 73 & 33 \end{array}$$

$$4.5 \quad 508 \left| \begin{array}{ccc} 132 & 110 & 107 \\ 87 & 23 & 22 \end{array} \right. \quad \begin{array}{cc} 68 & 52 \\ 16 & 12 \end{array} \quad \begin{array}{cc} 46 & 43 \\ 25 & 13 \end{array} \quad \begin{array}{c} 54 \\ 20.6 \end{array} \left| 25.2 \right.$$

$$5.0 \quad 808 \left| \begin{array}{ccc} 152 & 140 & 117 \\ 102 & 34 & 22 \end{array} \right. \quad \begin{array}{cc} 7.0 & 86 \\ 15 & 11 \end{array} \quad \begin{array}{cc} 52 & 48 \\ 8 & 13 \end{array} \quad \begin{array}{cc} 61 & 6.2 \\ 19 & 20.3 \end{array} \left| 24.6 \right.$$

$$5.4 \quad 860 \left| \begin{array}{ccc} 154 & 137 & 7.2 \\ 100 & 28 & 15 \end{array} \right. \quad \begin{array}{cc} 56 & 52 \\ 7 & 13.5 \end{array} \quad \begin{array}{cc} 5.3 & 6.1 \\ 13.5 & 20 \end{array} \quad \begin{array}{c} 6.5 \\ 20.4 \end{array} \left| 24.8 \right.$$

$$4.4 \quad 532 \left| \begin{array}{ccc} 13.7 & 12.7 & 5.0 \\ 9.3 & 25 & 15 \end{array} \right. \quad \begin{array}{cc} 44 & 42 \\ 7 & 13.5 \end{array} \quad \begin{array}{cc} 4.4 & 5.2 \\ 13.5 & 20 \end{array} \quad \begin{array}{c} 5.3 \\ 20.6 \end{array} \left| 25.2 \right.$$

$$4.5 \quad 352 \left| \begin{array}{ccc} 9.3 & 9.5 & 8.7 \\ 4.8 & 26 & 19 \end{array} \right. \quad \begin{array}{cc} 56 & 46 \\ 11 & 7 \end{array} \quad 43 \quad \begin{array}{cc} 44 & 37 \\ 13.5 & 33 \end{array}$$

$$4.6 \quad 768 \left| \begin{array}{ccc} 47 & 42 & 5.7 \\ 20.4 & 18 & 15 \end{array} \right. \quad \begin{array}{cc} 45 & 42 \\ 7 & 13.5 \end{array} \quad \begin{array}{cc} 5.1 & 5.2 \\ 19 & 20.4 \end{array} \left| 25.8 \right.$$

$$4.7 \quad 756 \left| \begin{array}{ccc} 54 & 49 & 59 \\ 20.8 & 16 & 14 \end{array} \right. \quad \begin{array}{cc} 46 & 43 \\ 7.5 & 13.5 \end{array} \quad \begin{array}{cc} 48 & 49 \\ 18 & 20.13 \end{array} \left| 26.6 \right.$$

S/a.

+

T

-

E/cd.

1028.90

72+85

73

B.M.

2.98

1025.92

+ 22

+ 60

74

+ 50

+ 62

75 to

+ 50

+ 80

T.P.

2.61

1026.51

500

1023.90

76

+ 75

2.11

2.61

See list Sec. P.

G.R.

L1-

2

D1-

14

$$4.7 \quad 240 \frac{66}{1000} \quad \frac{6.5}{15} \quad \frac{4.8}{8} \quad 44 \quad \frac{4.4}{12.5} \quad \frac{4.5}{102} / 27.2$$

$$\frac{20}{33} \quad \frac{19}{17} \quad \frac{29}{85} \quad 44 \quad \frac{4.5}{12} \quad \frac{4.2}{33}$$

Nail in T.P. 30 Rt. 73-18- Approx 2 backward.

$$4.8 \quad \frac{5.7}{33} \quad \frac{4.9}{9} \quad 44 \quad \frac{4.7}{12.5} \quad \frac{5.1}{18} \quad \frac{5.0}{101.3} / 26.6$$

4.8
D1- 1/2 in Red Rt.

$$\frac{6.4}{21.6} \quad \frac{6.3}{14} \quad \frac{80}{95} \quad 45 \quad \frac{4.5}{12} \quad \frac{4.8}{19} \quad \frac{5.0}{101.3} / 26.6$$

$$4.6 \quad 4.8 \quad 220 \frac{66}{15} \quad \frac{5.7}{13} \quad \frac{5.0}{10} \quad 44 \quad \frac{4.5}{12} \quad \frac{5.1}{20} \quad \frac{4.6}{22} \quad \frac{4.7}{101} / 27.2$$

$$4.5 \quad 4.9 \quad 268 \frac{46}{101.4} \quad \frac{4.9}{24} \quad \frac{60}{21} \quad \frac{4.7}{95} \quad 43 \quad \frac{4.6}{12} \quad \frac{5.4}{18} \quad \frac{3.2}{21} \quad \frac{3.2}{29} \quad \frac{3.6}{11.3} / 29.6$$

$$4.5-4.9 \quad 290 \frac{35}{110} \quad \frac{3.4}{27} \quad \frac{5.8}{21} \quad \frac{5.6}{15} \quad \frac{4.6}{95} \quad 43 \quad \frac{4.5}{11.5} \quad \frac{5.4}{17} \quad \frac{3.1}{21} \quad \frac{3.0}{28} \quad \frac{4.0}{33}$$

$$4.6-5.0 \quad 304 \frac{29}{117} \quad \frac{2.9}{22} \quad \frac{4.7}{19} \quad \frac{5.0}{14} \quad \frac{4.6}{95} \quad 43 \quad \frac{4.4}{10.5} \quad \frac{5.1}{17} \quad \frac{3.1}{21} \quad \frac{3.1}{11.9} / 20.8$$

$$4.7 \quad 5.1 \quad 304 \frac{30}{117} \quad \frac{2.9}{22} \quad \frac{5.0}{17} \quad \frac{4.7}{95} \quad 45 \quad \frac{4.5}{10.5} \quad \frac{5.2}{17} \quad \frac{3.8}{20} \quad \frac{3.8}{11.2} / 29.6$$

$$5.0 \quad 5.2 \quad 310 \frac{30}{110} \quad \frac{2.7}{22} \quad \frac{5.5}{17} \quad \frac{5.1}{95} \quad 48 \quad \frac{4.9}{10.5} \quad \frac{5.8}{17} \quad \frac{5.2}{19} \quad \frac{5.2}{25} \quad \frac{5.3}{101.4} / 26.8$$

$$2.8 \quad 284 \frac{2.1}{107} \quad \frac{1.4}{22} \quad \frac{3.8}{18} \quad \frac{3.5}{13} \quad \frac{3.0}{10} \quad 26 \quad \frac{2.8}{10} \quad \frac{3.6}{17} \quad \frac{3.7}{10.9} / 19.6 \quad \frac{4.0}{23} \quad \frac{8.7}{35.76} / 42$$

$$3.2 \quad 242 \frac{4.6}{101} \quad \frac{4.8}{24} \quad \frac{4.0}{17} \quad \frac{3.2}{95} \quad 26 \quad \frac{3.2}{10.5} \quad \frac{4.8}{17} \quad \frac{9.7}{28} \quad \frac{10.7}{38} \quad \frac{10.9}{11.7} / 46.8$$

Sta.

+

π

-

Elev.

1026.51

76.50

77

+60

78

+75

+70

79

+30

+58.3

1020.99

B.M.

2.42

1028.43

3.50

1023.01 1022.90

+65

+75

80

H.

Z

R₁

15

$$35 \quad 24.8 \mid \frac{1.6}{20.4} \quad \frac{4.1}{16} \quad \frac{3.5}{9.5} \quad 33 \quad \frac{3.6}{11} \quad \frac{4.4}{14} \quad \frac{8.6}{21} \quad \frac{10.5}{28} \quad \frac{11.0}{-7.5} \mid 46.$$

$$4.0 \quad 29.6 \mid \frac{7.4}{3.4} \quad \frac{6.7}{7.6} \quad \frac{6.5}{1.9} \quad \frac{4.7}{13} \quad \frac{4.1}{9.8} \quad 38 \quad \frac{4.0}{10} \quad \frac{4.7}{13} \quad \frac{10.2}{24} \quad \frac{1.0}{-7.0} \mid 44.0$$

$$44 \quad 31.2 \mid \frac{8.2}{-3.8} \quad \frac{8.0}{1.8} \quad \frac{5.0}{1.2} \quad \frac{4.7}{9} \quad 42 \quad \frac{4.2}{1.0} \quad \frac{4.8}{14} \quad \frac{5.8}{17} \quad \frac{6.7}{-7.3} \mid 25.2$$

$$46 \quad 31.2 \mid \frac{8.1}{-3.8} \quad \frac{8.2}{1.9} \quad \frac{4.9}{9} \quad 44 \quad \frac{4.6}{10.5} \quad \frac{5.0}{14} \quad \frac{7.6}{-3.0} \mid 28.0$$

$$4.7 \quad 18.0 \mid \frac{5.2}{-0.5} \quad \frac{4.9}{8} \quad 45 \quad \frac{4.8}{11} \quad \frac{6.0}{19} \quad \frac{7.1}{-3.0} \mid 28.0$$

$$4.8 \quad \frac{5.3}{2.4} \quad \frac{5.0}{8.5} \quad 46 \quad \frac{4.8}{11} \quad \frac{6.3}{20.0} \mid 24.0$$

$$5.1 \quad \frac{5.8}{2.4} \quad \frac{5.3}{8.5} \quad 49 \quad \frac{5.2}{11} \quad \frac{6.2}{23} \quad \frac{6.3}{20.2} \mid 24.6$$

$$5.5 \quad \frac{6.4}{2.8} \quad \frac{6.2}{1.6} \quad \frac{5.5}{8.5} \quad 53 \quad \frac{5.5}{11} \quad \frac{6.1}{18} \quad \frac{6.3}{20.7} \mid 25.4$$

$$\frac{6.8}{3.3} \quad \frac{5.8}{9.5} \quad \frac{5.52}{10} \quad \frac{5.5}{10} \quad \frac{6.2}{3.3}$$

$$4.7 \quad \frac{6.5}{3.5} \quad \frac{6.0}{2.3} \quad \frac{4.9}{10} \quad 45 \quad \frac{4.6}{10} \quad \frac{4.9}{22} \quad \frac{5.4}{3.7}$$

$$4.8 \quad 29.6 \mid \frac{9.2}{1.4} \quad \frac{7.9}{2.0} \quad \frac{5.8}{13} \quad \frac{5.0}{10} \quad 46 \quad \frac{4.7}{10} \quad \frac{5.7}{17} \quad \frac{7.1}{21} \quad \frac{7.6}{-1.8} \mid 27.2$$

$$5.1 \quad 34.8 \mid \frac{9.8}{4.7} \quad \frac{9.4}{17} \quad \frac{6.3}{13} \quad \frac{5.4}{9} \quad 49 \quad \frac{5.1}{10} \quad \frac{6.5}{17} \quad \frac{9.4}{23} \quad \frac{9.8}{-4.7} \mid 34.8$$

Sta. + T - L/EO

102543

80+35

+50

81+0

+50

+80

82+0

+50

82 6.35 1030.16 1.62 1023.81

+30

+50

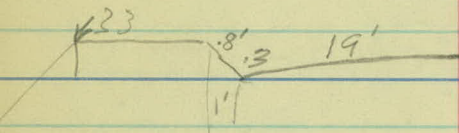
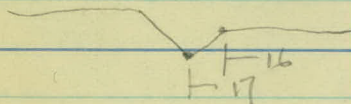
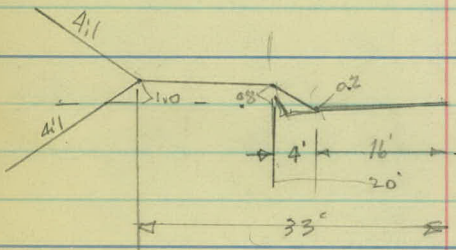
+60

84

7.11 1030.92 6.35 1023.81

84

Revised Section North Side Sta. 64+00 to Sta. 64+20



7.05

1017.04

66+50

+67.5

9.92

2.05

1017.04

+78

66+95

67+55

67+55

13.76

9.92

1017.04

68+0

+50

69+0

+40

could read R

Top Row.

$$\frac{24}{33} \quad \frac{76}{70}$$

$$404) \begin{array}{r} 65 \\ 101 \\ \hline 59 \\ 44 \\ \hline 25 \end{array} \quad 34$$

$$\frac{10}{33} \quad \frac{12}{20}$$

$$\frac{3.0}{33}$$

20

$$\frac{81}{33} \quad \frac{83}{20} \quad \frac{93}{16} \quad 286 \overline{) 67} \quad 91$$

$$\frac{6.3}{33} \quad \frac{6.5}{20} \quad \frac{25}{16} \quad 408 \overline{) 44} \quad 1.2$$

$$\frac{6.3}{33} \quad \frac{6.5}{20} \quad \frac{25}{16} \quad 408 \overline{) 44} \quad 7.3$$

$$3.5 \quad 3.7 \quad 338 \overline{) 33} \quad 45$$

$$5.3 \quad 5.5 \quad 6.5$$

63

$$\frac{6.5}{1.5} \quad 80$$

$$\frac{3.7}{33} \quad \frac{39}{20} \quad 4.9$$

47

$$\frac{4.9}{1.5} \quad 6.3$$

$$7.9 \quad 3.1 \quad 4.1$$

39

$$\frac{4.1}{1.5} \quad 8.6$$

2.9

$$\frac{6.3}{2.6} \quad 80$$

39

3.15 1029.07

1025.92

71+

72+00

+55

+85

74

+62

T.P.

3.50

1028.13

4.44

1024.63

75

+50

+50

B.M.

6.51

76+00

+25

$$2.4 \quad 65.8 \overline{) 11.6} \\ -8.2$$

4.4

$$3.4 \quad 51.0 \overline{) 7.9} \\ -4.5$$

4.4

$$3.4 \quad 43.8 \overline{) 61} \\ -2.7$$

4.4

$$3.5 \quad 46.6 \overline{) 6.9} \\ -3.4$$

4.5

$$3.6 \quad 47.8 \overline{) 7.3} \\ -3.7$$

4.6 ✓

$$3.1 \quad 35.4 \overline{) 40} \\ -0.6$$

4.4

$$2.5 \quad 34.2 \overline{) 2.2} \\ +0.3$$

3.5 ✓

$$2.7 \quad 33.8 \overline{) 2.5} \\ +0.2$$

3.7 ✓

$$3.0 \quad 34.2 \overline{) 2.7} \\ +0.3$$

4.0

Top Mort 79+

$$2.6 \quad 66.6 \overline{) 11.0} \\ -8.4$$

3.6

$$2.9 \quad 67.0 \overline{) 11.4} \\ -8.5$$

3.9

76 + 50

77

+60

78

+25

$$3.2 \quad 66.2 \bigg| \frac{11.5}{-8.3}$$

$$4.2$$

$$3.7 \quad 63.0 \bigg| \frac{11.2}{-7.5}$$

$$4.7$$

$$4.2 \quad 55.6 \bigg| \frac{9.8}{-5.6}$$

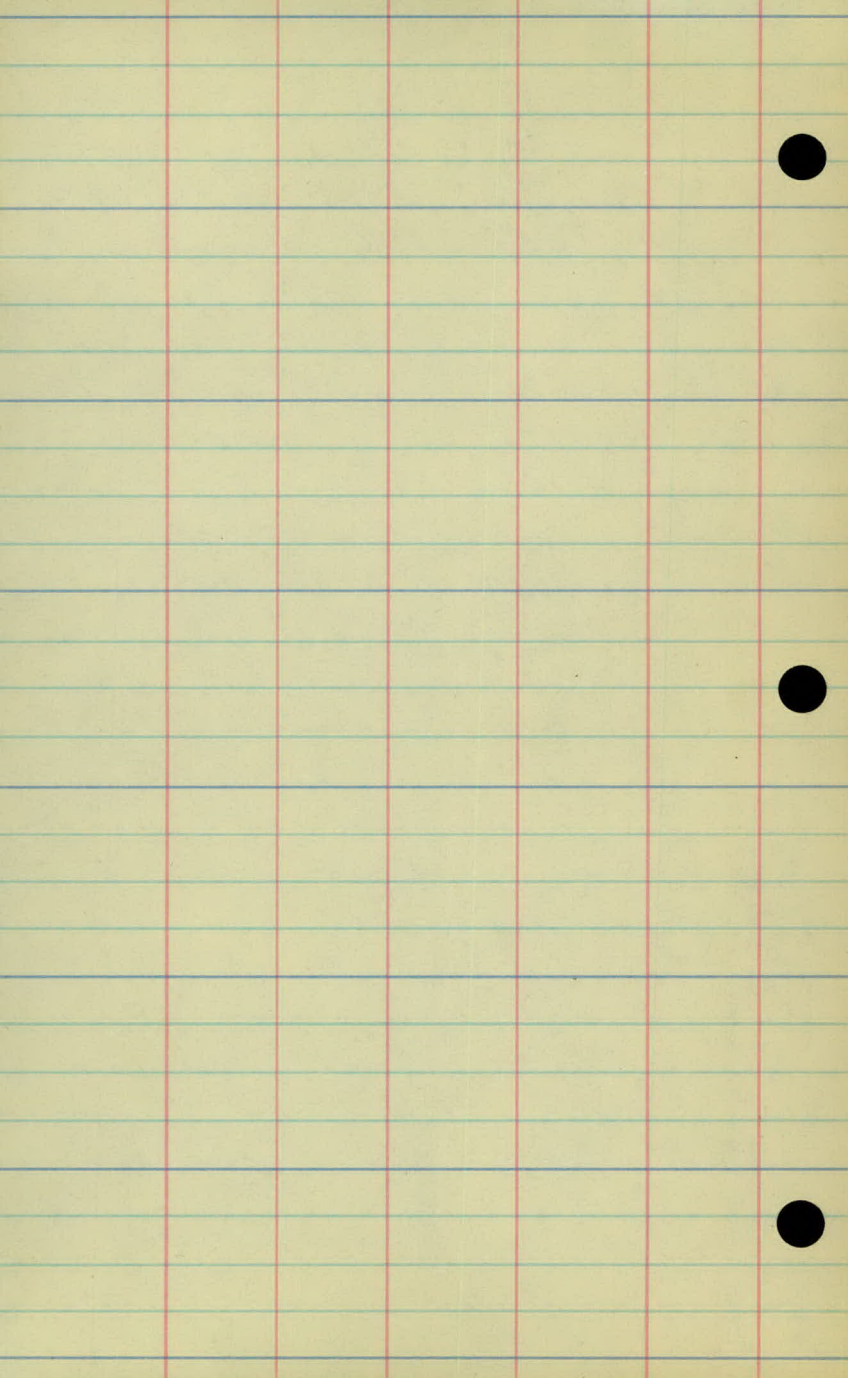
$$5.2$$

$$4.4 \quad 55.0 \bigg| \frac{9.9}{-5.5}$$

$$5.4$$

$$4.5 \quad 33.0 \bigg| \frac{5.5}{8.7}$$

$$5.5$$



Additional X-Sec.
Larpentour Ave.
near Winthrop St.

Sta. + π - E/OV.

13.75 1030.79

101704

6840

68415

68452

T.P.

7.47

1.98

68466

68493

69415

T.P.

7.72

3.21

67475

6840

68415

68452

$$\begin{array}{r} 7.8 \\ 100 \end{array} \quad \begin{array}{r} 4.2 \\ 58 \end{array}$$

$$\begin{array}{r} 7.6 \\ 100 \end{array} \quad \begin{array}{r} 5.2 \\ 79 \end{array} \quad \begin{array}{r} 3.2 \\ 56 \end{array}$$

$$\begin{array}{r} 7.2 \\ 100 \end{array} \quad \begin{array}{r} 3.2 \\ 66 \end{array} \quad \begin{array}{r} 7.6 \\ 76 \end{array}$$

$$\begin{array}{r} 14.2 \\ 115 \end{array} \quad \begin{array}{r} 9.2 \\ 91 \end{array} \quad \begin{array}{r} 3.9 \\ 60 \end{array}$$

$$\begin{array}{r} 3.8 \\ 57 \end{array} \quad \begin{array}{r} 6.7 \\ 86 \end{array}$$

$$\begin{array}{r} 140 \\ 110 \end{array} \quad \begin{array}{r} 56 \\ 79 \end{array} \quad \begin{array}{r} 3.5 \\ 55 \end{array}$$

$$\begin{array}{r} 8.2 \\ 66 \end{array} \quad \begin{array}{r} 9.8 \\ 81 \end{array}$$

$$\begin{array}{r} 14.9 \\ 130 \end{array} \quad \begin{array}{r} 8.5 \\ 95 \end{array} \quad \begin{array}{r} 7.7 \\ 70 \end{array} \quad \begin{array}{r} 8.8 \\ 76 \end{array}$$

$$\begin{array}{r} 10.7 \\ 67 \end{array}$$

(as Borrowed Ht. 62+70)

$$\begin{array}{r} 11.2 \\ 58 \end{array} \quad \begin{array}{r} 14.0 \\ 61 \end{array}$$

$$\begin{array}{r} 103 \\ 64 \end{array} \quad \begin{array}{r} 125 \\ 66 \end{array}$$

68+15 N.W. cor. for
63'

$$\begin{array}{r} 68 \\ 58 \end{array} \quad \begin{array}{r} 2.0 \\ 63 \end{array} \quad \begin{array}{r} 12.5 \\ 68 \end{array} \quad \text{Var.}$$

14' x 20' Garage 741-NE 60' N

$$\begin{array}{r} 6.8 \\ 60 \end{array} \quad \begin{array}{r} 9.5 \\ 70 \end{array} \quad \begin{array}{r} 12.5 \\ 77 \end{array} \quad \begin{array}{r} 60' \end{array}$$

5.57

1031.49

1025.92

Add X- Sec. H. + H.

69+15

69+40

69+70

70

70+25

70+65

71+0

71+50

72+0

3.21

1027.28

7.32

1024.17

Fill Widening Left-

69+40

69+70

4.8

$$\frac{50}{11.13} / 376$$

4.8

4.6

$$\frac{53}{10.10} / 340$$

5.2

5.8

$$\frac{67}{10.00} / 32$$

5.7 ^{7.2}

5.5

$$\frac{80}{32}$$

6.2

6.0

$$\frac{73}{31} \quad \frac{50}{+1.2} / 42.8$$

6.6

6.4

$$\frac{75}{31} \quad \frac{58}{34} \quad \frac{34}{44} \quad \frac{26}{+4.0} / 540$$

6.9

6.7

$$\frac{63}{26} \quad \frac{62}{29} \quad \frac{23}{43} \quad \frac{0.7}{+6.2} / 62.8$$

7.0

6.8

$$\frac{50}{20} / 46.0$$

G. Red. 33' Left.

1.5

$$49.8 \quad \frac{5.7}{42}$$

0.5

1.8

$$62.8 \quad \frac{9.5}{7.7}$$

0.8

1027.28

70/0

70/25'

70/65'

71/0

71/50

72/0

G.D. 75 H.

33 R.B

$$2.1 \quad 638 \begin{array}{r} 9.8 \\ -7.7 \\ \hline \end{array} \quad 1.1$$

$$2.4 \quad 722 \begin{array}{r} 11.2 \\ -9.8 \\ \hline \end{array} \quad 1.4$$

$$2.9 \quad 720 \begin{array}{r} 12.9 \\ -10.0 \\ \hline \end{array} \quad 1.9$$

$$3.3 \quad 698 \begin{array}{r} 12.5 \\ -9.2 \\ \hline \end{array} \quad 2.3$$

$$4.6 \quad \quad \quad 2.6$$

$$3.7 \quad 470 \begin{array}{r} 7.2 \\ -3.5 \\ \hline \end{array} \quad 2.7$$

Sta.	T	π	—	Elev.
Contd from P.				
	3.02	1021.94		1018.92
89+24				
+36				
		(myrtle Ave)		
+57				
+66				
90+0				
+50				
91+0				
+50				
T.P.	1.03	1019.06	3.91	1018.00
92+0				
+50				
+72				
93+0				

Gr. Red.

LH

R

RH

24

$$3.5 \quad 372 \begin{array}{r} 88 \\ -53 \\ \hline 25 \end{array} \quad \begin{array}{r} 81 \\ 25 \end{array} \quad \begin{array}{r} 69 \\ 14 \end{array} \quad \begin{array}{r} 40 \\ 10 \end{array} \quad \begin{array}{r} 3.5 \\ 67 \end{array} \quad 33 \quad \begin{array}{r} 325 \\ 124 \end{array} \quad \begin{array}{r} 3.8 \\ 16 \end{array} \quad \begin{array}{r} 5.1 \\ 19 \end{array} \quad \begin{array}{r} 4.3 \\ 21 \end{array} \quad \begin{array}{r} 4.8 \\ 10.7 \end{array} \quad 25.4$$

$$\begin{array}{r} 9.3 \\ 38 \end{array} \quad \begin{array}{r} 80 \\ 17 \end{array} \quad \begin{array}{r} 41 \\ 10 \end{array} \quad \begin{array}{r} 42 \\ 7 \end{array} \quad \begin{array}{r} 39 \\ 1 \end{array} \quad \begin{array}{r} 39 \\ 12 \end{array} \quad \begin{array}{r} 3.5 \\ 38 \end{array}$$

$$\begin{array}{r} 9.2 \\ 40 \end{array} \quad \begin{array}{r} 8.8 \\ 17 \end{array} \quad \begin{array}{r} 5.7 \\ 11 \end{array} \quad \begin{array}{r} 5.2 \\ 7.2 \end{array} \quad \begin{array}{r} 4.8 \\ 1 \end{array} \quad \begin{array}{r} 4.7 \\ 12 \end{array} \quad \begin{array}{r} 4.0 \\ 38 \end{array}$$

$$5.4 \quad 312 \begin{array}{r} 9.2 \\ -38 \\ \hline \end{array} \quad \begin{array}{r} 88 \\ 16 \end{array} \quad \begin{array}{r} 6.3 \\ 12 \end{array} \quad \begin{array}{r} 5.5 \\ 7.2 \end{array} \quad 5.2 \quad \begin{array}{r} 5.1 \\ 12 \end{array} \quad \begin{array}{r} 5.3 \\ 15 \end{array} \quad \begin{array}{r} 6.0 \\ 17 \end{array} \quad \begin{array}{r} 5.8 \\ 10.1 \end{array} \quad 26.2$$

$$6.6 \quad 52 \begin{array}{r} 89 \\ -23 \\ \hline \end{array} \quad \begin{array}{r} 87 \\ 16 \end{array} \quad \begin{array}{r} 7.0 \\ 11 \end{array} \quad \begin{array}{r} 6.7 \\ 77 \end{array} \quad 6.4 \quad \begin{array}{r} 6.5 \\ 12.3 \end{array} \quad \begin{array}{r} 7.0 \\ 19 \end{array} \quad \begin{array}{r} 6.4 \\ 21 \end{array} \quad \begin{array}{r} 6.3 \\ 10.3 \end{array} \quad 27.6$$

$$7.2 \quad 194 \begin{array}{r} 89 \\ -17 \\ \hline \end{array} \quad \begin{array}{r} 89 \\ 16 \end{array} \quad \begin{array}{r} 7.8 \\ 12 \end{array} \quad \begin{array}{r} 7.3 \\ 7 \end{array} \quad 7.0 \quad \begin{array}{r} 7.1 \\ 12.6 \end{array} \quad \begin{array}{r} 7.7 \\ 20 \end{array} \quad \begin{array}{r} 6.4 \\ 23 \end{array} \quad \begin{array}{r} 6.6 \\ 10.6 \end{array} \quad 28.2$$

$$6.9 \quad 244 \begin{array}{r} 9.0 \\ -21 \\ \hline \end{array} \quad \begin{array}{r} 9.0 \\ 16 \end{array} \quad \begin{array}{r} 7.4 \\ 11 \end{array} \quad \begin{array}{r} 6.9 \\ 67 \end{array} \quad 6.7 \quad \begin{array}{r} 6.8 \\ 13.0 \end{array} \quad \begin{array}{r} 7.2 \\ 20 \end{array} \quad \begin{array}{r} 6.9 \\ 10.5 \end{array} \quad 27.0$$

$$6.1 \quad 264 \begin{array}{r} 9.0 \\ -26 \\ \hline \end{array} \quad \begin{array}{r} 9.0 \\ 15 \end{array} \quad \begin{array}{r} 6.9 \\ 10 \end{array} \quad \begin{array}{r} 6.5 \\ 63 \end{array} \quad 6.2 \quad \begin{array}{r} 6.3 \\ 12.8 \end{array} \quad \begin{array}{r} 6.3 \\ 14 \end{array} \quad \begin{array}{r} 7.5 \\ 19 \end{array} \quad \begin{array}{r} 6.7 \\ 23 \end{array} \quad \begin{array}{r} 6.7 \\ 10.2 \end{array} \quad 26.4$$

Nail in T.P. Rt. Sta. 91+50

$$3.2 \quad 286 \begin{array}{r} 5.7 \\ -24 \\ \hline 20 \end{array} \quad \begin{array}{r} 4.9 \\ 20 \end{array} \quad \begin{array}{r} 4.9 \\ 14 \end{array} \quad \begin{array}{r} 5.2 \\ 14 \end{array} \quad \begin{array}{r} 3.9 \\ 11 \end{array} \quad \begin{array}{r} 3.4 \\ 59 \end{array} \quad 3.1 \quad \begin{array}{r} 3.2 \\ 13.2 \end{array} \quad \begin{array}{r} 3.5 \\ 16 \end{array} \quad \begin{array}{r} 4.0 \\ 18 \end{array} \quad \begin{array}{r} 4.5 \\ 10.3 \end{array} \quad 24.6$$

$$3.5 \quad 38.0 \begin{array}{r} 0.5 \\ +20 \\ \hline \end{array} \quad \begin{array}{r} 4.0 \\ 20 \end{array} \quad \begin{array}{r} 4.4 \\ 15 \end{array} \quad \begin{array}{r} 3.9 \\ 10 \end{array} \quad \begin{array}{r} 3.5 \\ 53 \end{array} \quad 3.3 \quad \begin{array}{r} 3.5 \\ 14 \end{array} \quad \begin{array}{r} 4.0 \\ 17 \end{array} \quad \begin{array}{r} 4.8 \\ 20 \end{array} \quad \begin{array}{r} 4.7 \\ 10.3 \end{array} \quad 24.6$$

$$3.6 \quad 272 \begin{array}{r} 3.5 \\ +0.1 \\ \hline \end{array} \quad \begin{array}{r} 3.5 \\ 24 \end{array} \quad \begin{array}{r} 4.1 \\ 18 \end{array} \quad \begin{array}{r} 4.8 \\ 14 \end{array} \quad \begin{array}{r} 3.9 \\ 9 \end{array} \quad \begin{array}{r} 3.6 \\ 55 \end{array} \quad 3.4 \quad \begin{array}{r} 3.7 \\ 10.4 \end{array} \quad \begin{array}{r} 4.2 \\ 18 \end{array} \quad \begin{array}{r} 4.9 \\ 20 \end{array} \quad \begin{array}{r} 4.9 \\ 22 \end{array} \quad \begin{array}{r} 2.4 \\ 18 \end{array} \quad \begin{array}{r} 2.4 \\ 11.2 \end{array} \quad 29.4$$

$$4.0 \quad 240 \begin{array}{r} 5.2 \\ -10.3 \\ \hline \end{array} \quad \begin{array}{r} 4.0 \\ 20 \end{array} \quad \begin{array}{r} 4.4 \\ 17 \end{array} \quad \begin{array}{r} 5.4 \\ 14 \end{array} \quad \begin{array}{r} 4.4 \\ 12 \end{array} \quad \begin{array}{r} 4.1 \\ 6 \end{array} \quad 3.8 \quad \begin{array}{r} 3.9 \\ 12.6 \end{array} \quad \begin{array}{r} 4.3 \\ 17 \end{array} \quad \begin{array}{r} 4.9 \\ 20 \end{array} \quad \begin{array}{r} 3.3 \\ 25 \end{array} \quad \begin{array}{r} 3.1 \\ 10.9 \end{array} \quad 28.8$$

Sta. + π - Elev.

- 1019.06

93+50

94+0

+50

T.P.

4.49

1017.62

593

1013.13

95

+50

96+0

+35

+70

97

+50

98+0

+50

Gr. Red.

H.

E

Kt.

$$5.3 \quad 240 \left| \begin{array}{cccccc} 7.3 & 7.2 & 5.9 & 5.4 & 5.1 & 5.2 & 5.5 & 6.5 & 6.4 \\ 20 & 16 & 12 & 6.3 & 13.7 & 16 & 19 & 18.0 & 4 \end{array} \right| 24.8$$

$$5.8 \quad 232 \left| \begin{array}{cccccc} 7.5 & 7.2 & 6.3 & 5.9 & 5.6 & 5.7 & 6.0 & 6.8 & 7.1 \\ 18 & 15 & 12 & 6.2 & 10.4 & 17 & 20 & 18.0 & 2 \end{array} \right| 24.4$$

Right.
Dit. Red

$$6.1 \quad 22.0 \left| \begin{array}{cccccc} 7.6 & 6.5 & 6.3 & 5.7 & 6.0 & 6.3 & 7.1 & 12.9 & 5 \\ 15 & 12 & 6 & 5 & 14.3 & 16 & 18.0 & 15 & 25.0 \end{array} \right| 25.0 \quad 6.1$$

1013.2

Tonic

$$4.6 \quad 22.0 \left| \begin{array}{cccccc} 6.1 & 5.0 & 5.5 & 5.2 & 4.8 & 4.4 & 5.2 & 6.4 & 6.4 & 5.8 \\ 15 & 18 & 15 & 12 & 5.8 & 14.3 & 18 & 21 & 23 & 18.0 & 6 \end{array} \right| 25.2 \quad 6.4$$

$$4.2 \quad 240 \left| \begin{array}{cccccc} 6.2 & 4.7 & 4.7 & 6.2 & 4.6 & 4.1 & 4.0 & 4.2 & 4.6 & 6.9 & 5.0 & 5.0 \\ 20 & 18 & 15 & 13 & 5.2 & 17.9 & 16 & 26 & 24 & 18.1 & 7 & 28.4 \end{array} \right| 28.4 \quad 6.7$$

$$3.7 \quad 278 \left| \begin{array}{cccccc} 3.3 & 2.9 & 5.2 & 4.2 & 3.7 & 3.6 & 3.5 & 3.8 & 4.4 & 6.9 & 3.8 & 3.4 \\ 16 & 14 & 13 & 9 & 5.3 & 12.6 & 16 & 20 & 25 & 18.3 & 6 & 31.2 \end{array} \right| 7.0$$

$$3.9 \quad 228 \left| \begin{array}{cccccc} 0.5 & 0.0 & 4.4 & 5.5 & 4.6 & 4.3 & 3.9 & 3.7 & 3.9 & 4.5 & 7.0 & 7.0 & 3.6 & 3.3 \\ 14 & 11 & 15 & 14 & 13 & 11 & 6.0 & 13.0 & 15 & 14 & 21 & 25 & 18.3 & 31.6 \end{array} \right| 7.1$$

$$4.4 \quad 202 \left| \begin{array}{cccccc} 4.8 & 3.7 & 6.6 & 4.9 & 4.4 & 4.2 & 4.5 & 7.2 & 6.5 & 4.6 & 4.1 & 7.0 & 7.2 \\ 11 & 20 & 16 & 12 & 5.7 & 14.2 & 18 & 22 & 24 & 18.3 & 1 & 7.2 \end{array} \right| 7.2$$

$$4.9 \quad 320 \left| \begin{array}{cccccc} 8.7 & 7.6 & 6.2 & 5.4 & 4.8 & 4.5 & 4.8 & 7.7 & 7.7 & 5.5 & 5.4 & 7.4 & 7.4 \\ 40 & 17 & 14 & 12 & 6.1 & 13.2 & 18 & 20 & 23 & 18.2 & 26.0 \end{array} \right| 7.4$$

$$5.2 \quad 268 \left| \begin{array}{cccccc} 10.4 & 10.0 & 9.2 & 5.6 & 5.2 & 5.0 & 5.2 & 5.7 & 6.0 & 8.3 & 8.3 & 7.3 & 7.4 & 7.6 \\ 5.2 & 24 & 18 & 10 & 8.8 & 13.1 & 16 & 20 & 23 & 25 & 30 & 18.5 \end{array} \right| 7.6$$

$$5.1 \quad 240 \left| \begin{array}{cccccc} 9.6 & 9.1 & 8.4 & 5.7 & 5.1 & 4.9 & 5.4 & 6.4 & 6.4 & 6.4 & 21.2 \\ 40 & 20 & 18 & 12 & 6.2 & 13.7 & 17 & 19 & 21.2 \end{array} \right| 21.2$$

$$5.1 \quad 216 \left| \begin{array}{cccccc} 8.8 & 8.2 & 8.0 & 7.5 & 5.2 & 5.1 & 5.2 & 6.2 & 6.2 & 6.2 & 20.4 \\ 24 & 23 & 19 & 16 & 12 & 6.8 & 12.9 & 17 & 19 & 21.2 \end{array} \right| 20.4$$

Sta. + π - Elev.

1017.62

99+0

+50

T.P. 7.65 1020.89 4.68 1012.94

100+00

+50

101+0

+50

102

+50

T.P. 1.62 1009.28 12.93 1007.66

103+0

+50

104+0

+50

q. load.

4.

5

4.

$$4.9 \quad 252 \left| \begin{array}{cccc} 7.2 & 6.8 & 5.4 & 5.0 \\ -2.3 & 1.8 & 7.0 & 6.8 \end{array} \right. \quad 4.7 \quad \begin{array}{ccc} 4.7 & 5.8 & 5.3 \\ 12.3 & 17 & 20.1 \end{array} / 26.2$$

$$4.7 \quad 270 \left| \begin{array}{cccc} 4.7 & 4.5 & 5.4 & 5.0 \\ 20.5 & 18 & 13 & 10 \end{array} \right. \quad 4.5 \quad \begin{array}{ccc} 4.5 & 4.8 & 5.4 \\ 11.2 & 15 & 18 \end{array} \quad \begin{array}{c} 3.9 \\ +0.8 \end{array} / 29.6$$

$$7.9 \quad 320 \left| \begin{array}{cccc} 5.4 & 5.3 & 8.6 & 8.0 \\ 12.8 & 19 & 13 & 7.4 \end{array} \right. \quad 7.7 \quad \begin{array}{ccc} 7.7 & 8.3 & 6.6 \\ 12 & 17 & 20 \end{array} \quad \begin{array}{c} 4.7 \\ +2.9 \end{array} / 34.8$$

$$8.2 \quad 33.8 \left| \begin{array}{cccc} 5.8 & 4.4 & 6.2 & 8.7 \\ 13.4 & 19 & 17 & 12 \end{array} \right. \quad 8.3 \quad \begin{array}{ccc} 8.1 & 8.3 & 7.6 \\ 12.3 & 17 & 18 \end{array} \quad \begin{array}{c} 5.2 \\ +6.1 \end{array} / 40.0$$

$$9.4 \quad 290 \left| \begin{array}{cccc} 8.4 & 8.1 & 10.7 & 9.9 \\ 11.0 & 19 & 15 & 14 \end{array} \right. \quad 9.6 \quad \begin{array}{ccc} 9.3 & 9.7 & 6.9 \\ 11.6 & 17 & 23 \end{array} \quad \begin{array}{c} 6.0 \\ +2.4 \end{array} / 33.8$$

$$10.7 \quad 27.6 \left| \begin{array}{cccc} 10.4 & 9.8 & 12.0 & 11.2 \\ 10.3 & 18 & 15 & 11 \end{array} \right. \quad 10.9 \quad \begin{array}{ccc} 10.7 & 10.9 & 8.0 \\ 11.6 & 17 & 21 \end{array} \quad \begin{array}{c} 8.2 \\ +2.8 \end{array} / 32.0$$

$$11.8 \quad 28.0 \left| \begin{array}{cccc} 11.3 & 9.9 & 12.6 & 11.9 \\ 10.5 & 19 & 15 & 8.6 \end{array} \right. \quad 11.6 \quad \begin{array}{ccc} 11.7 & 11.9 & 9.4 \\ 11. & 15 & 20 \end{array} \quad \begin{array}{c} 8.8 \\ +2.7 \end{array} / 40.8$$

$$13.2 \quad 29.0 \left| \begin{array}{cccc} 12.2 & 10.8 & 14.2 & 13.6 \\ 11.0 & 19 & 15 & 11 \end{array} \right. \quad 13.3 \quad \begin{array}{ccc} 13.1 & 13.4 & 11.1 \\ 10.5 & 14 & 18 \end{array} \quad \begin{array}{c} 10.7 \\ +3.5 \end{array} / 42.4$$

$$3.3 \quad 240 \left| \begin{array}{cccc} 5.1 & 5.2 & 4.7 & 3.8 \\ 12.50 & 23 & 15 & 12 \end{array} \right. \quad 3.5 \quad \begin{array}{ccc} 3.2 & 3.8 & 2.6 \\ 10.5 & 14 & 16 \end{array} \quad \begin{array}{c} 2.6 \\ +0.7 \end{array} / 28.4$$

$$4.7 \quad 30.8 \left| \begin{array}{cccc} 8.4 & 7.5 & 5.4 & 4.8 \\ 12.7 & 18 & 14 & 8.3 \end{array} \right. \quad 4.5 \quad \begin{array}{ccc} 4.6 & 5.0 & 5.5 \\ 10.6 & 10.3 & 20.8 \end{array} / 26$$

$$5.6 \quad 30.0 \left| \begin{array}{cccc} 9.1 & 8.9 & 6.2 & 5.7 \\ 12.5 & 17 & 12 & 8.2 \end{array} \right. \quad 5.4 \quad \begin{array}{ccc} 5.5 & 6.0 & 5.9 \\ 11.2 & 16 & 10.4 \end{array} / 26$$

$$6.5 \quad 28 \left| \begin{array}{cccc} 9.5 & 9.3 & 7.4 & 6.8 \\ 12.0 & 19 & 14 & 8.8 \end{array} \right. \quad 6.3 \quad \begin{array}{ccc} 6.3 & 6.6 & 6.0 \\ 11.4 & 20 & 16 \end{array} / 16$$

Sta. + A - E/cv.

1009.28

105+0

+60

B.M.

8.42

1011.00

6.70

1002.58

105+75

105+82

106+31

106+75

3.40

1002.61

11.79

999.21

107+0

+50

108+0

108+50

109+0

+35

97.00

14

F

R1

$$7.0 \quad 286 \overline{) \begin{array}{r} 90 \\ -24 \\ \hline 17 \end{array}} \quad \frac{7.7}{15} \quad \frac{7.2}{8.2} \quad 68 \quad \frac{6.8}{11.6} \quad \frac{7.0}{00} / 16$$

$$6.8 \quad 106 \overline{) \begin{array}{r} 2.7 \\ -8.9 \\ \hline 13 \end{array}} \quad \frac{7.2}{6.7} \quad 66 \quad \frac{6.9}{11.8} \quad \frac{7.4}{-0.6} / 12.4 \quad \frac{7.5}{00.8} / 156$$

TOP Mon.

$$2.5 \quad 280 \overline{) \begin{array}{r} 80 \\ -105 \\ \hline 17 \end{array}} \quad \frac{80}{17} \quad \frac{84}{64} \quad 83 \quad \frac{86}{11.8} \quad \frac{9.3}{18} \quad \frac{2.7}{20} \quad \frac{9.3}{30}$$

$$8.6 \quad 204 \overline{) \begin{array}{r} 69 \\ -41.7 \\ \hline 17 \end{array}} \quad \frac{69}{14} \quad \frac{9.0}{10} \quad \frac{86}{6.3} \quad 84 \quad \frac{8.7}{11.7} \quad \frac{9.1}{15} \quad \frac{9.5}{18} \quad \frac{8.8}{20} \quad \frac{86}{00.5} / 27.0$$

$$9.7 \quad 2115 \overline{) \begin{array}{r} 40.4 \\ -16.7 \\ \hline 21 \end{array}} \quad \frac{3.0}{21} \quad \frac{3.7}{13} \quad \frac{10.1}{7} \quad \frac{9.7}{9.5} \quad \frac{9.9}{12.5} \quad \frac{10.2}{15} \quad \frac{11.1}{17} \quad \frac{8.0}{23} \quad \frac{8.6}{11.1} / 29.2$$

$$11.1 \quad 288 \overline{) \begin{array}{r} 10.2 \\ -10.9 \\ \hline 17 \end{array}} \quad \frac{10.4}{14} \quad \frac{12.1}{9} \quad \frac{11.4}{7.5} \quad 10.9 \quad \frac{11.3}{12.5} \quad \frac{11.5}{14} \quad \frac{12.4}{17} \quad \frac{11.2}{18} \quad \frac{10.8}{22} \quad \frac{11.7}{00.9} / 25.8$$

$$3.6 \quad 240 \overline{) \begin{array}{r} 5.1 \\ -00.0 \\ \hline 16 \end{array}} \quad \frac{4.6}{15} \quad \frac{5.1}{10} \quad \frac{4.2}{7.6} \quad 3.4 \quad \frac{3.7}{12.5} \quad \frac{4.7}{17} \quad \frac{4.0}{18} \quad \frac{4.0}{20} \quad \frac{5.9}{-2.3} / 25.2$$

$$4.7 \quad 240 \overline{) \begin{array}{r} 6.7 \\ -2.0 \\ \hline 16 \end{array}} \quad \frac{5.9}{14} \quad \frac{6.3}{11} \quad \frac{5.5}{8.0} \quad \frac{5.0}{4.5} \quad \frac{4.8}{11.5} \quad \frac{5.1}{15} \quad \frac{6.0}{16} \quad \frac{6.0}{17} \quad \frac{4.6}{18} \quad \frac{5.1}{00.0} / 24.0$$

$$5.1 \quad 240 \overline{) \begin{array}{r} 6.4 \\ -00.2 \\ \hline 17 \end{array}} \quad \frac{5.6}{17} \quad \frac{6.7}{14} \quad \frac{5.5}{10} \quad \frac{5.1}{7.5} \quad 4.9 \quad \frac{5.0}{11.2} \quad \frac{5.4}{14} \quad \frac{6.5}{15} \quad \frac{6.5}{16} \quad \frac{4.5}{18} \quad \frac{2.8}{12.3} / 31.6$$

$$5.3 \quad 31.6 \overline{) \begin{array}{r} 3.5 \\ -11.8 \\ \hline 21 \end{array}} \quad \frac{3.4}{15} \quad \frac{6.9}{14} \quad \frac{5.9}{13} \quad \frac{5.4}{7.6} \quad 5.1 \quad \frac{5.2}{10.5} \quad \frac{5.6}{13} \quad \frac{6.8}{15} \quad \frac{6.8}{16} \quad \frac{5.3}{17} \quad \frac{4.3}{2.5} \quad \frac{4.6}{3.9} \quad \frac{4.0}{11.6} / 48.2$$

$$5.7 \quad 79.2 \overline{) \begin{array}{r} 6.1 \\ -00.11 \\ \hline 21 \end{array}} \quad \frac{5.3}{15} \quad \frac{7.5}{13} \quad \frac{6.2}{8.3} \quad 5.5 \quad \frac{5.7}{10.3} \quad \frac{6.3}{13} \quad \frac{7.7}{15} \quad \frac{7.7}{16} \quad \frac{3.6}{22} \quad \frac{1.1}{3.3} \quad \frac{0.0}{15.7} / 28.4$$

$$6.1 \quad 214 \overline{) \begin{array}{r} 5.9 \\ -10.2 \\ \hline 19 \end{array}} \quad \frac{6.0}{16} \quad \frac{7.8}{12} \quad \frac{6.7}{8.9} \quad 5.9 \quad \frac{6.0}{9.7} \quad \frac{7.2}{17} \quad \frac{8.8}{21} \quad \frac{7.6}{00.0} / 24.0$$

St.

+

π

-

Est

100.61

6.26

1003.0

5.86

996.75

11070

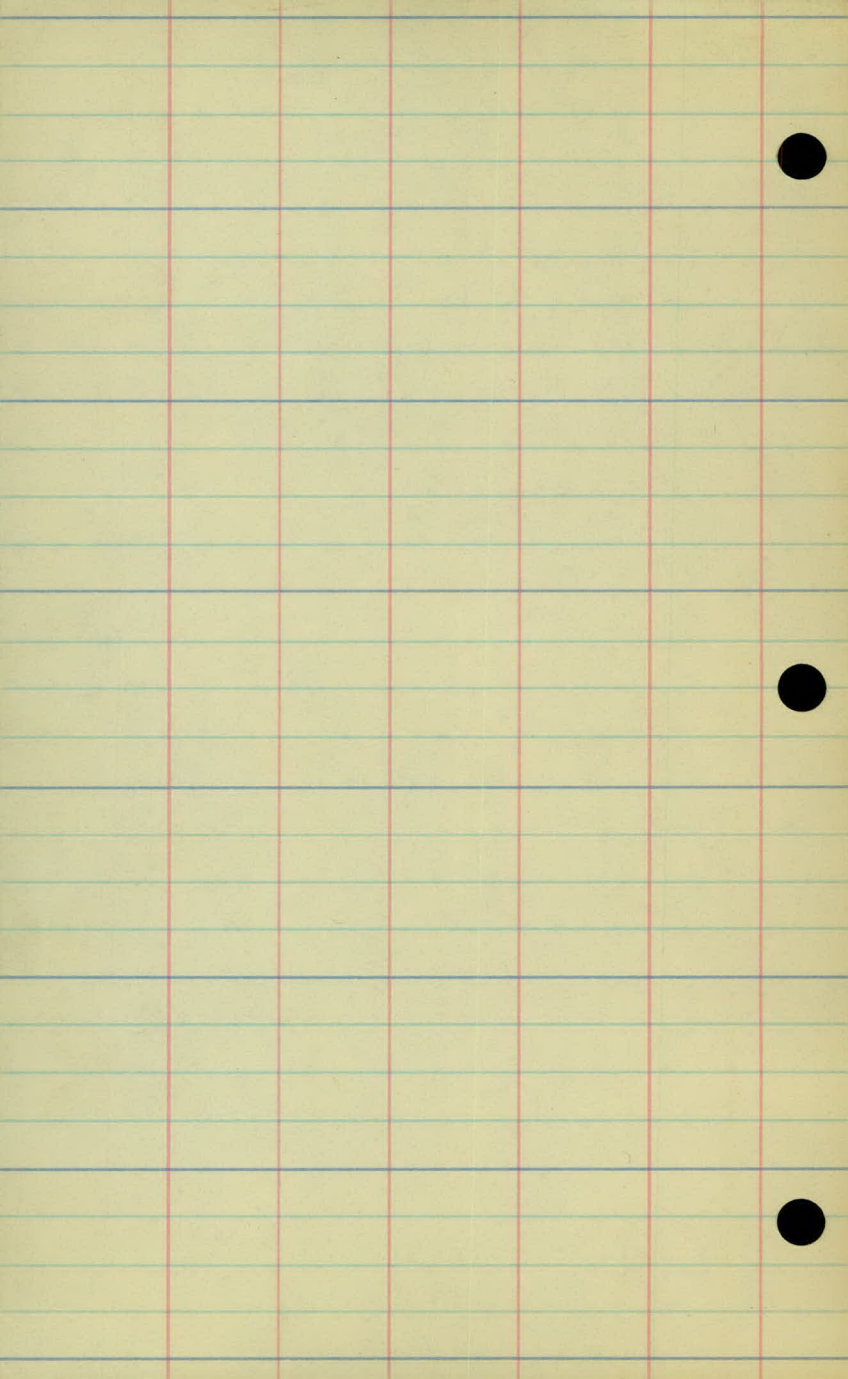
+50

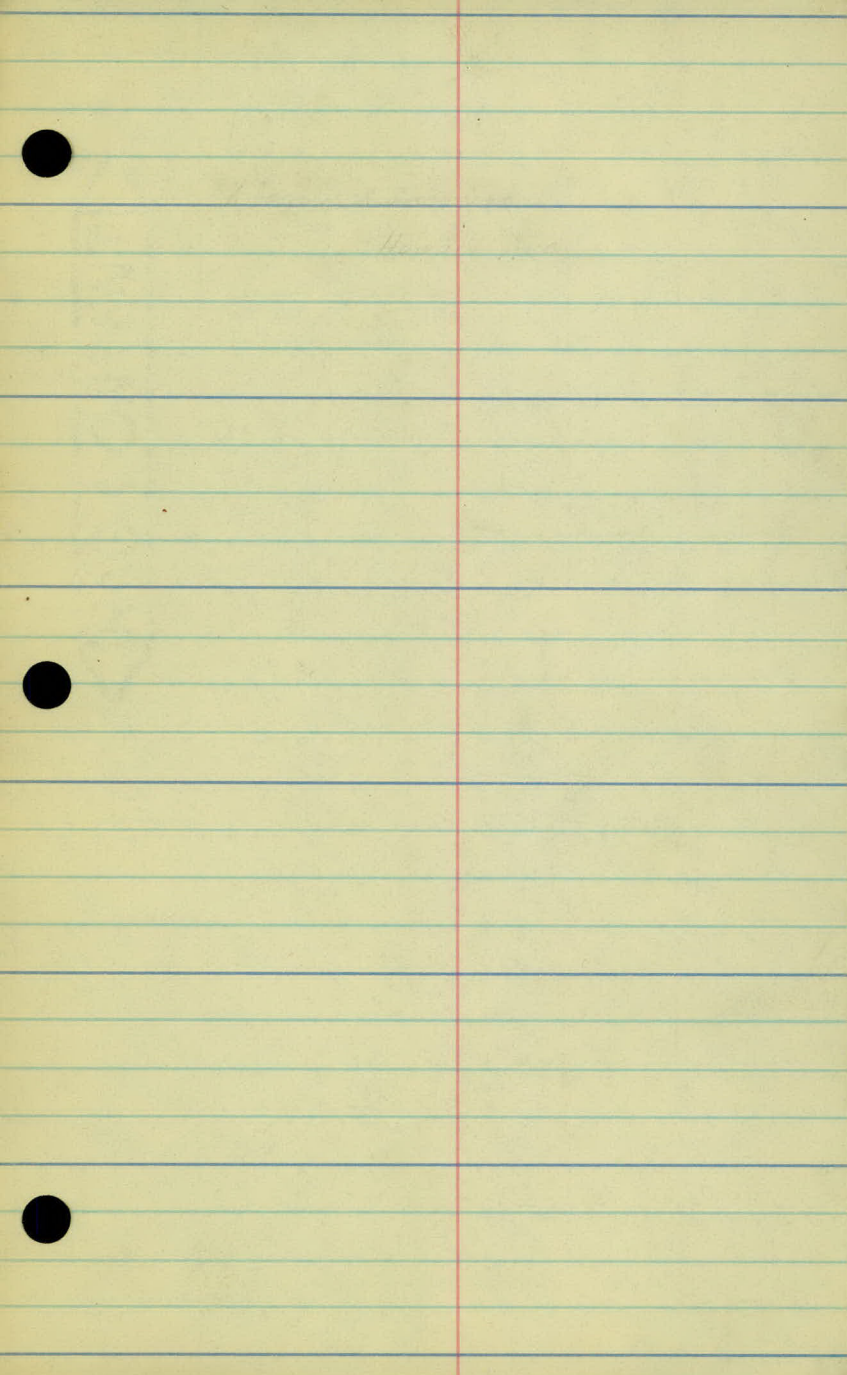
11170

+50

24.

1.5 $\frac{95}{360-50}$ $\frac{96}{27}$ $\frac{48}{14}$ $\frac{46}{8.5}$ $\frac{43}{10.5}$ $\frac{47}{10.5}$ $\frac{5.8}{-0.8} / 192$





69+50

70

+50

71

+50

72

Blue Tops

30

40

36 320

46

42

52

48

58

54

64

52

62

B.M.

3.89

102981

102592

70+15

70+50

71+0

71+50

72+0

72+50

73+0

73+50

74+0

74+50

75+0

+50

Dr. Rd. R1.

3.9 (5.4)

3.7

$\frac{5.4}{32}$

$\frac{1.6}{+2.3} / 47.7$

4.3 5.8

4.1

$\frac{5.8}{32}$

$\frac{1.6}{+2.7} / 48.8$

4.9 6.6

4.7

$\frac{1.6}{+3.3} / 51.2$

5.27 6.8

5.07

$\frac{6.6}{22}$

$\frac{6.5}{32}$

$\frac{1.6}{+3.7} / 52.8$

5.35 - 6.9

5.15

$\frac{1.6}{+3.8} / 53.2$

5.45 - 7.0

5.15

$\frac{1.6}{+3.9} / 53.6$

7.1

$\frac{1.6}{+4.0} / 54.0$

7.2

$\frac{1.6}{+4.1} / 54.4$

7.3

$\frac{1.6}{+4.2} / 54.8$

7.4

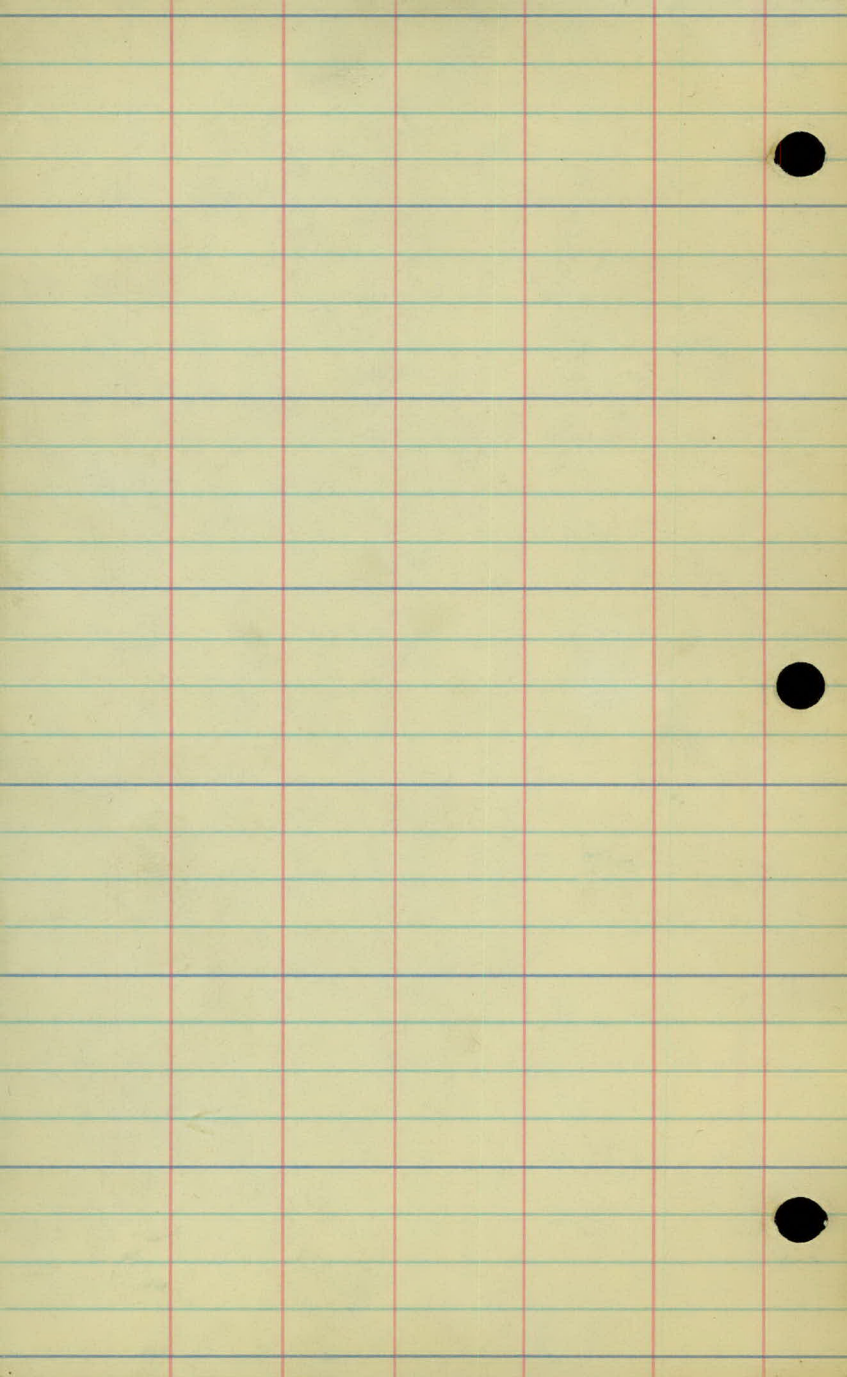
$\frac{1.6}{+4.3} / 55.2$

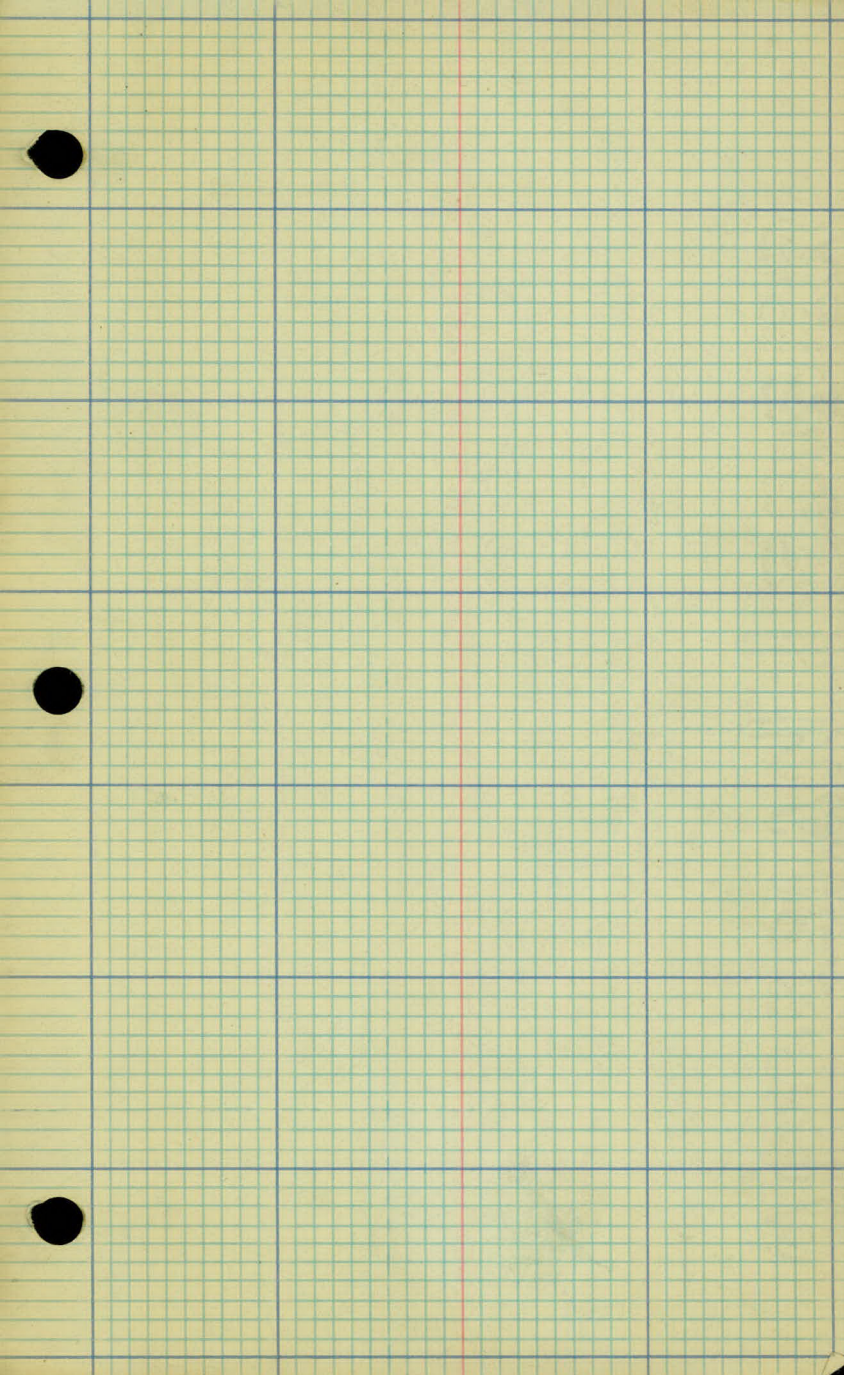
7.5 - 7.6

$\frac{1.6}{+4.4} / 55.6$

7.7

$\frac{1.6}{+4.5} / 56.0$





40

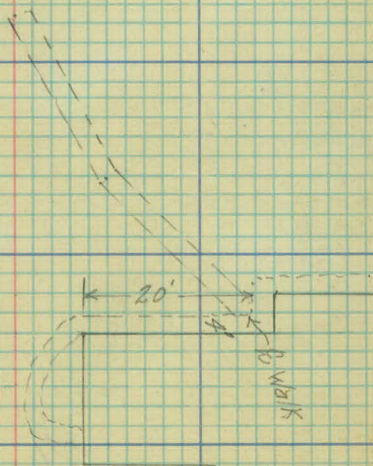
88 100

87 100

86 100

B Carpenter Ave

164 E.S. Walk
36'



0.18

1018.21

1018.03

91450

mach no.

5.30

1012.9

94450

✓ No.

6.95

97450

pump No.

9.4✓

(at ditch)

(5.8)

Infiltration No.

97450

5.86

94

6.58

450

6.88

95

7.00

140

Drain T. le

7.34 - 7.28

95450

7.42

96450

x

7.42

410

Culo.

7.41

7.60
7.70

450

x

7.88

97

8.20

450

8.80

Ditch No. 92nd and 93rd Culo.

9.70

91450

5.3

92

5.6 5.1 - 4.03

450

5.4

5.65 (avg)

93

6.2 - 4.5 2.17

450

6.8 6.7 - 2.09

94

6.9 - 4.9 2.29

450

7.0 - 6.3 2.00

95

7.0 - 6.3 - 2.00

450

7.1 - 7.1 2.00

96

7.6 - 3.1 2.45

450

7.8 - 6.1 2.17

6.0