

Book # 69 - Dr. # 8

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Drainage Survey

LARPENTEUR Ave

From White Bear Ave East.
Co.

Road Acc't. No.

Date Filed.

File.

Topog
Larp & W.B. Ave

II
DRAINAGE
SURVEY
II

II
Larper Tour Ave
White Bear Ave - East.
II

5

4

3

2

1

0+00

E W. B. Ave

Hay Field

+37 F.E.
12"X16" C.M.

Hay Field

Cult.

Larp Ave

Low Land

Drains From Sta. 8 to
on N. St. P. Rd.

2+21-16' Rt. N. St. P. Rd.
M. H.

18"X15'

18" P3

E1. 941.1

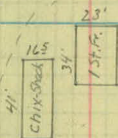
M. H.

Spillway

E1. 944.3

237

255



+36 X-Drain
18"X24" C.M.

18"X30" C.M.

24"X48" P3

12

11

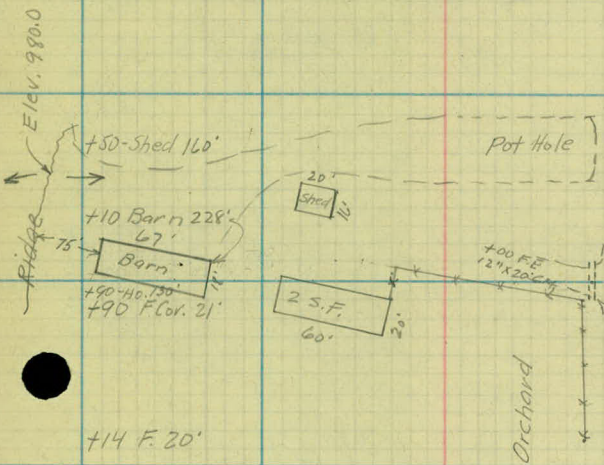
10

9

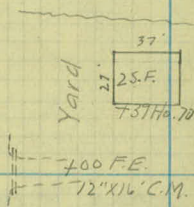
8

7

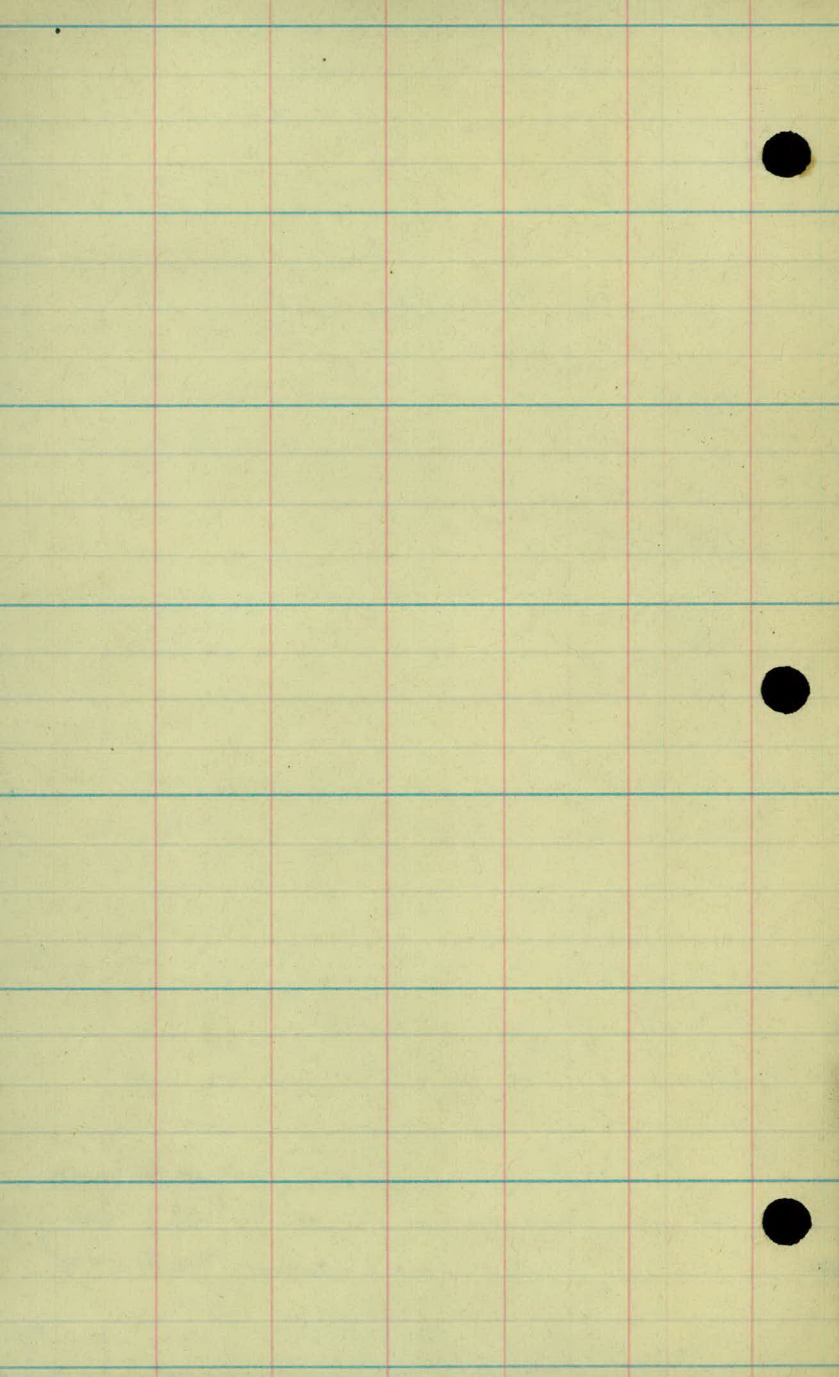
6



Q Larp. Ave



+66



X-Sections

Larp. Ave &

W.B. Ave.

B.M. 4.30 944.98 ✓ 940.68

0+00 @ W.B. Ave

+21 M.H. Bottom of Brick - Top of Conc.

+36 X-Drain

+83 E. End of 15" X 48" C.M.

1

+50

2
T.P. 13.52 957.42 ✓ 1.08 943.90 ✓

3

4

5
T.P. 13.11 970.03 ✓ 0.50 956.92 ✓

6

7

Spk. in Arc L. Pole S.W. Cor. W.B. Ave & Larp.

$$\begin{array}{r}
 40.3 \\
 \text{Top. M.H.} \\
 \hline
 4.7 \\
 34
 \end{array}
 \quad
 \begin{array}{r}
 39.4 \\
 5.6 \\
 \hline
 35.8 \\
 9.2 \\
 34
 \end{array}$$

$$\begin{array}{r}
 37.1 \\
 7.9 \\
 15
 \end{array}$$

$$\begin{array}{r}
 36.8 \\
 8.2 \\
 12
 \end{array}
 \quad
 \begin{array}{c}
 \text{Ditch} \\
 \hline
 \begin{array}{ccc}
 7.9 & 8.8 & 9.2 \\
 50 & 100 & 150
 \end{array} \\
 37.1 \quad 36.2 \quad 35.8
 \end{array}$$

$$\begin{array}{r}
 37.8 \\
 2.2 \\
 20
 \end{array}$$

$$\begin{array}{cccccccccccc}
 45.0 & 38.4 & 38.5 & 37.8 & 37.9 & 37.9 & 37.8 & 37.0 & 35.4 & 35.2 & 34.8 \\
 \hline
 6.2 & 6.5 & 7.2 & 7.1 & 5.1 & 5.2 & 8.0 & 9.6 & 9.8 & 10.2 \\
 50 & 30 & 27 & 19 & 12 & 46 & 10 & 17 & 50 & 100 & 150
 \end{array}$$

$$\begin{array}{cccccccccccc}
 40.0 & 37.9 & 37.9 & 38.0 & 38.8 & 40.2 & 40.6 & 40.2 & 36.5 & 35.5 & 35.2 \\
 \hline
 5.0 & 7.1 & 7.1 & 7.0 & 6.2 & 4.8 & 4.8 & 8.5 & 9.5 & 9.8 \\
 150 & 100 & 85 & 40 & 16 & 12 & 44 & 9 & 15 & 29 & 50
 \end{array}$$

$$\begin{array}{cccccccc}
 39.3 & 39.0 & 39.5 & 41.0 & 41.5 & 41.1 & 37.8 & 36.2 \\
 \hline
 5.7 & 6.0 & 5.5 & 4.0 & 3.9 & 7.2 & 8.9 \\
 100 & 50 & 26 & 12 & 25 & 11 & 18 & 50
 \end{array}$$

57.4

$$\begin{array}{r}
 43.8 \\
 13.6 \\
 18
 \end{array}
 \quad
 \begin{array}{r}
 45.6 \\
 11.8
 \end{array}$$

$$\begin{array}{r}
 48.9 \\
 9.5 \\
 18
 \end{array}
 \quad
 \begin{array}{r}
 50.4 \\
 7.0
 \end{array}$$

$$\begin{array}{r}
 54.7 \\
 2.7 \\
 15
 \end{array}
 \quad
 \begin{array}{r}
 55.6 \\
 1.8
 \end{array}$$

$$\begin{array}{r}
 60.0 \\
 10.0 \\
 15
 \end{array}
 \quad
 \begin{array}{r}
 61.0 \\
 9.0
 \end{array}$$

$$\begin{array}{r}
 65.0 \\
 5.0 \\
 15
 \end{array}
 \quad
 \begin{array}{r}
 66.0 \\
 4.0
 \end{array}$$

970.03

8

T.P. 9.69 979.13 0.59 969.44

9

+90 W. End Side Drain

10

+10 E. End Side Drain

+50

+70

11

+50

T.P. 4.19 974.94

$$\begin{array}{r} 68.8 \\ \underline{1.2} \\ 15 \end{array} \quad \begin{array}{r} 70.0 \\ 0.0 \end{array}$$

$$\begin{array}{r} 71.8 \\ \underline{7.3} \\ 15 \end{array} \quad \begin{array}{r} 72.9 \\ 6.2 \end{array}$$

$$\begin{array}{r} 72.3 \\ \underline{6.8} \\ 15 \end{array}$$

$$\begin{array}{r} 74.5 \\ \underline{4.6} \\ 100 \end{array} \quad \begin{array}{r} 74.3 \\ \underline{4.8} \\ 50 \end{array} \quad \begin{array}{r} 74.0 \\ \underline{5.1} \\ 15 \end{array} \quad \begin{array}{r} 74.9 \\ 4.2 \end{array}$$

$$\begin{array}{r} 73.8 \\ \underline{5.3} \\ 250 \end{array} \quad \begin{array}{r} 72.4 \\ \underline{6.7} \\ 15 \end{array}$$

E. Side
of Barn

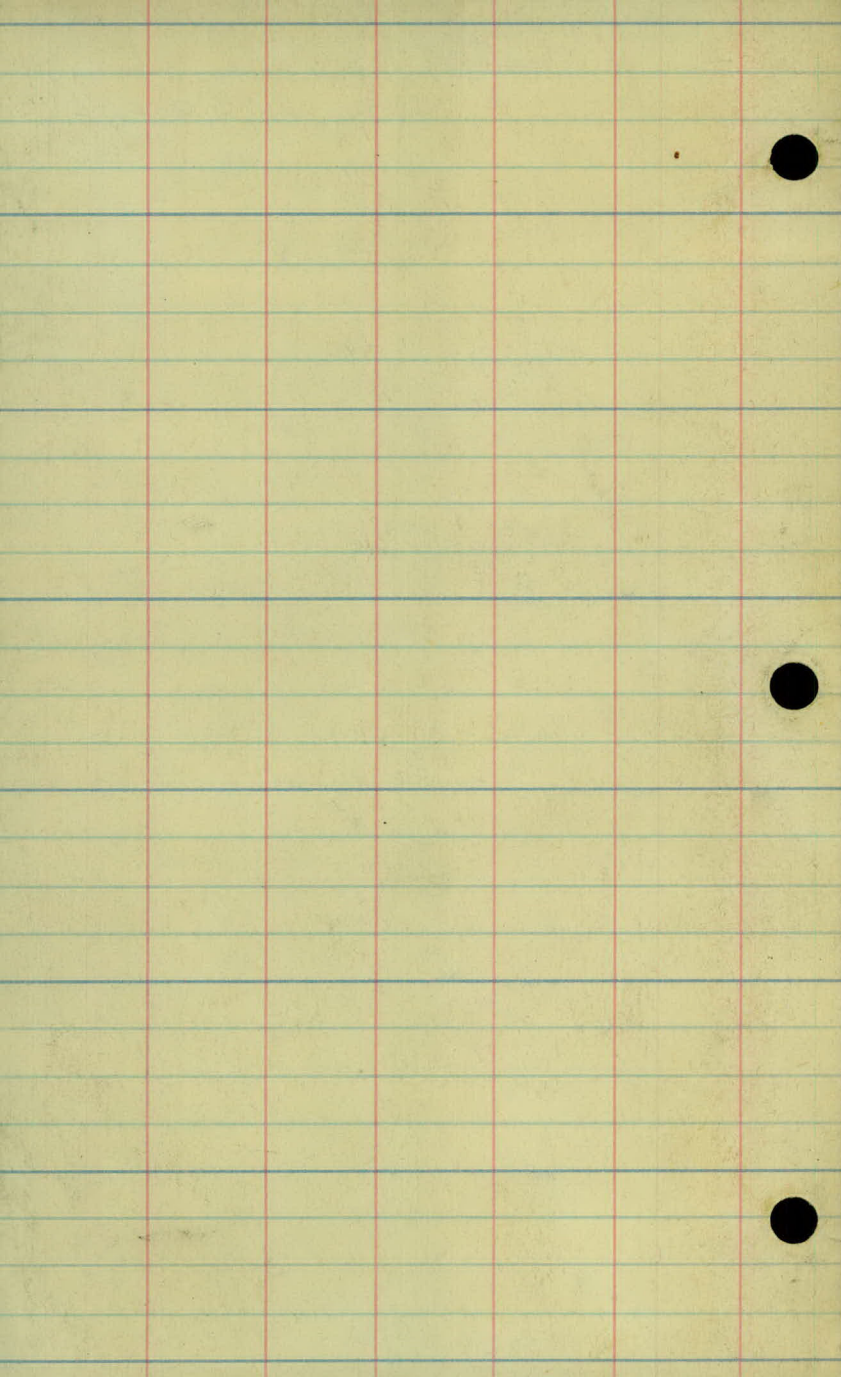
$$\begin{array}{r} 72.7 \\ \underline{6.4} \\ 100 \end{array} \quad \begin{array}{r} 72.3 \\ \underline{6.8} \\ 50 \end{array} \quad \begin{array}{r} 72.9 \\ \underline{6.2} \\ 24 \end{array} \quad \begin{array}{r} 72.3 \\ \underline{6.8} \\ 22 \end{array} \quad \begin{array}{r} 73.7 \\ \underline{5.4} \\ 15 \end{array} \quad \begin{array}{r} 74.1 \\ \underline{4.0} \\ 12 \end{array} \quad \begin{array}{r} 75.6 \\ 3.5 \end{array}$$

$$\begin{array}{r} 72.5 \\ \underline{6.3} \\ 200 \end{array} \quad \begin{array}{r} 72.1 \\ \underline{7.0} \\ 150 \end{array} \quad \begin{array}{r} 71.5 \\ \underline{7.6} \\ 100 \end{array} \quad \begin{array}{r} 70.8 \\ \underline{8.3} \\ 70 \end{array} \quad \begin{array}{r} 71.1 \\ \underline{8.0} \\ 50 \end{array} \quad \begin{array}{r} 71.8 \\ \underline{7.3} \\ 19 \end{array} \quad \begin{array}{r} 72.4 \\ \underline{3.7} \\ 12 \end{array} \quad \begin{array}{r} 76.0 \\ 3.1 \end{array}$$

$$\begin{array}{r} 73.9 \\ \underline{5.2} \\ 150 \end{array} \quad \begin{array}{r} 73.5 \\ \underline{5.6} \\ 100 \end{array} \quad \begin{array}{r} 73.0 \\ \underline{6.1} \\ 50 \end{array} \quad \begin{array}{r} 72.7 \\ \underline{6.4} \\ 18 \end{array} \quad \begin{array}{r} 72.9 \\ \underline{3.2} \\ 13 \end{array} \quad \begin{array}{r} 74.7 \\ 2.4 \end{array}$$

$$\begin{array}{r} 78.1 \\ \underline{1.0} \\ 120 \end{array} \quad \begin{array}{r} 76.4 \\ \underline{2.7} \\ 100 \end{array} \quad \begin{array}{r} 75.0 \\ \underline{4.1} \\ 50 \end{array} \quad \begin{array}{r} 75.0 \\ \underline{4.1} \\ 20 \end{array} \quad \begin{array}{r} 77.5 \\ \underline{1.6} \\ 12 \end{array} \quad \begin{array}{r} 77.8 \\ 1.3 \end{array}$$

Nail in P.P. 25' Lt. Sta. 10+20



Larpenteur Ave.
Foot East Ave.

41

42

412

16

$$5.3 \quad 35.2 \left| \begin{array}{cccc} 10.1 & 9.4 & 6.3 & 5.4 \\ -48 & 19 & 13 & 10 \end{array} \right. \quad 51 \quad \begin{array}{cccc} 5.2 & 5.9 & 8.2 & 8.7 \\ 9 & 15 & 24 & -34 \end{array} / 296$$

$$5.2 \quad 36.8 \left| \begin{array}{cccc} 10.4 & 9.0 & 6.1 & 5.5 \\ -52 & 19 & 13 & 9 \end{array} \right. \quad 50 \quad \begin{array}{cccc} 5.2 & 5.8 & 6.7 & 7.4 \\ 10 & 16 & 19 & -22 \end{array} / 248$$

$$4.9 \quad 28.0 \left| \begin{array}{cccc} 7.9 & 7.5 & 5.5 & 5.2 \\ -30 & 18 & 13 & 10 \end{array} \right. \quad 47 \quad \begin{array}{cccc} 4.8 & 5.3 & 6.5 & 6.7 \\ 9 & 13 & 17 & -1.8 \end{array} / 23.2$$

$$4.5 \quad 24.0 \left| \begin{array}{cccc} 6.5 & 6.3 & 5.9 & 5.7 \\ -20 & 17 & 13 & 10 \end{array} \right. \quad 43 \quad \begin{array}{cccc} 4.4 & 4.8 & 5.5 & 5.5 \\ 8.5 & 12 & 15 & -1.0 \end{array} / 20.0$$

$$4.3 \quad 24.6 \left| \begin{array}{cccc} 6.4 & 6.2 & 4.8 & 4.4 \\ -21 & 16 & 13 & 10 \end{array} \right. \quad 41 \quad \begin{array}{cccc} 4.3 & 5.1 & 6.9 & 7.7 \\ 9 & 13 & 17 & -3.4 \end{array} / 29.6$$

$$4.2 \quad 24.0 \left| \begin{array}{cccc} 6.2 & 6.2 & 4.7 & 4.2 \\ -20 & 17 & 13 & 10 \end{array} \right. \quad 40 \quad \begin{array}{cccc} 4.3 & 4.9 & 7.8 & 8.7 \\ 9 & 13 & 18 & -5.2 \end{array} / 36.8$$

$$3.8 \quad 22.16 \left| \begin{array}{cccc} 5.4 & 5.3 & 6.2 & 4.3 \\ -16 & 21 & 14 & 16 \end{array} \right. \quad 36 \quad \begin{array}{cccc} 3.8 & 4.7 & 8.8 & 9.9 \\ 9 & 13 & 20 & -6.1 \end{array} / 40.4$$

$$2.9 \quad 25.2 \left| \begin{array}{cccc} 5.2 & 5.4 & 3.2 & 3.0 \\ -23 & 16 & 12 & 9 \end{array} \right. \quad 27 \quad \begin{array}{cccc} 2.9 & 3.6 & 7.7 & 8.8 \\ 9.5 & 11 & 17 & -2.3 \end{array} / 44.0$$

$$7.0 \quad 28.6 \left| \begin{array}{cccc} 6.2 & 6.5 & 9.5 & 7.4 \\ -10.8 & 24 & 18 & 17 \end{array} \right. \quad 6.8 \quad \begin{array}{cccc} 6.9 & 7.2 & 10.7 & 12.0 \\ 9.2 & 12 & 19 & -2.9 \end{array} / 37.6$$

$$6.8 \quad \quad \quad 6.4 \quad \quad \quad \begin{array}{c} 8.3 \\ 20.9 \end{array} / 24$$

$$6.4 \quad 29.4 \left| \begin{array}{cccc} 5.3 & 5.6 & 8.8 & 8.8 \\ -11 & 24 & 18 & 17 \end{array} \right. \quad 6.2 \quad \begin{array}{cccc} 6.3 & 6.8 & 8.4 & 6.0 \\ 9.5 & 13 & 16 & -1.8 \end{array} / 28.2$$

$$5.7 \quad \quad \quad 5.5 \quad \begin{array}{cccc} 5.5 & 5.9 & 5.7 & 4.6 \\ 9.6 & 14 & 21 & -1.1 \end{array} / 29.2$$

$$6.4 \quad 26.8 \left| \begin{array}{cccc} 9.9 & 9.6 & 9.4 & 6.9 \\ -11 & 24 & 17 & 12 \end{array} \right. \quad 6.2 \quad \begin{array}{c} 6.6 \\ 8.8 \end{array}$$

Sta:

+

 π

-

Elev.

103092

84+50

+75

85

+30

+50

T. P.

10.50

1037.84

3.58

1027.34

+73

86

+10

+27

+50

+72

87

14.

2

RT

17

5.7

$\frac{91}{146} \frac{76}{34} \frac{62}{15} \frac{58}{11} \frac{53}{85} \frac{53}{53} \frac{56}{103} \frac{60}{15} \frac{77}{17} \frac{77}{73} \frac{67}{805} / 250$

5.6

$\frac{70.4}{121.2} \frac{59}{14} \frac{63}{14} \frac{55}{82} \frac{52}{52} \frac{54}{108} \frac{67}{19} \frac{78}{20}$

5.1

$\frac{322}{176} \frac{75}{21} \frac{23}{14} \frac{57}{82} \frac{52}{49} \frac{52}{108} \frac{59}{16} \frac{56}{21} \frac{58}{808} / 286$

4.7

$\frac{308}{119} \frac{28}{17} \frac{26}{13} \frac{54}{85} \frac{48}{45} \frac{47}{109} \frac{54}{19} \frac{34}{21} \frac{33}{114} / 29.8$

4.0

1026.5

$\frac{370}{400} \frac{44}{17} \frac{36}{14} \frac{53}{84} \frac{47}{42} \frac{43}{108} \frac{48}{18} \frac{22}{21} \frac{20}{27} \text{Cont'd}$

1026.8
11.0

$\frac{294}{112} \frac{9.81}{19} \frac{86}{14} \frac{11.8}{82} \frac{11.2}{10.8} \frac{10.9}{10.8} \frac{11.1}{17} \frac{8.0}{24} \frac{7.5}{26}$

1027.1
10.7

$\frac{258}{144} \frac{63}{25} \frac{42}{16} \frac{10.4}{11} \frac{10.7}{76} \frac{10.5}{10.7} \frac{10.7}{11.0} \frac{11.1}{16} \frac{6.7}{22} \frac{5.3}{28}$

1027.2
10.6

$\frac{64}{40} \frac{33}{76} \frac{88}{26} \frac{8.8}{18} \frac{10.8}{11} \frac{10.5}{7} \frac{10.4}{10.6} \frac{10.6}{11} \frac{10.9}{15} \frac{6.3}{22} \frac{4.4}{29}$

1027.4
10.4

$\frac{384}{157} \frac{47}{25} \frac{20}{23} \frac{54}{15} \frac{75}{11} \frac{10.4}{8} \frac{10.4}{10.2} \frac{10.5}{11} \frac{10.8}{15} \frac{4.3}{24} \frac{2.5}{28}$

1027.6
10.2

$\frac{390}{160} \frac{4.2}{16} \frac{11}{76} \frac{42}{22} \frac{10.0}{12} \frac{10.2}{8} \frac{10.2}{10} \frac{10.5}{15} \frac{3.3}{24} \frac{1.9}{28}$

1027.5
10.3

$\frac{340}{160} \frac{4.3}{16} \frac{33}{26} \frac{1.3}{26} \frac{4.8}{22} \frac{9.3}{14} \frac{10.2}{7} \frac{10.1}{10} \frac{10.5}{15} \frac{3.7}{24} \frac{2.7}{27}$

1027.2
10.6

$\frac{380}{158} \frac{4.8}{16} \frac{42}{76} \frac{19}{28} \frac{5.8}{22} \frac{10.7}{12} \frac{10.6}{7} \frac{10.4}{10.6} \frac{11.0}{15} \frac{5.2}{22} \frac{4.4}{26}$

Prop
Walt

S/a. + π - Elev

10328.4

87+29

87+50

T.D.

7.28

1030.56

T.D.

12.83

1028.01

11.71 1042.27

1030.86

91000

1026.5

85+50

85+73

1076.8

T.P.

6.22 104838 0.11

1042.16

86+0

1027.1

86+10

1027.2

86+27

1027.4

+50

1027.6

86+73

1027.5

87+0

1027.2

87+29

1026.7

87+50

1026.3

4.

2

101.

18

10267

$$\begin{array}{r} 11.1 \\ 379 \\ \hline 150 \end{array} \quad \begin{array}{r} 61 \\ 48 \\ 31 \\ \hline 20 \end{array} \quad \begin{array}{r} 29 \\ 7.4 \\ 20 \\ \hline 15 \end{array} \quad \begin{array}{r} 11.0 \\ 11.1 \\ 8 \\ \hline 109 \end{array} \quad \begin{array}{r} 11.1 \\ 10 \\ \hline 14 \end{array} \quad \begin{array}{r} 6.5 \\ 22 \\ \hline 25 \end{array} \quad \begin{array}{r} 58 \\ 25 \\ \hline \end{array} \text{Contd}$$

10263

$$\begin{array}{r} 11.5 \\ 379 \\ \hline 150 \end{array} \quad \begin{array}{r} 8.7 \\ 74 \\ 22 \\ \hline 20 \end{array} \quad \begin{array}{r} 100 \\ 124 \\ 13 \\ \hline 11 \end{array} \quad \begin{array}{r} 11.9 \\ 11.6 \\ 7 \\ \hline 11.3 \end{array} \quad \begin{array}{r} 11.5 \\ 11 \\ \hline 14 \end{array} \quad \begin{array}{r} 11.8 \\ 8.3 \\ 21 \\ \hline 27 \end{array} \quad \begin{array}{r} 27 \\ 32 \\ \hline \end{array} \text{Contd}$$

Nail in P.R. Lt. 85+63

- - - - - 86.88

15.8

$$\begin{array}{r} 9.3 \\ 34 \\ \hline 24 \end{array} \quad \begin{array}{r} 9.4 \\ 64 \\ \hline 36.6 \end{array}$$

15.5

$$\begin{array}{r} 4.5 \\ 35 \\ \hline 3.1 \end{array} \quad \begin{array}{r} 3.1 \\ 12.4 \\ \hline 45.6 \end{array}$$

21.3

$$\begin{array}{r} 56 \\ 28 \\ \hline 46 \end{array} \quad \begin{array}{r} 46 \\ 116.7 \\ \hline 52.1 \end{array}$$

21.2

$$\begin{array}{r} 4.2 \\ 38 \\ \hline 34 \end{array} \quad \begin{array}{r} 34 \\ 17.8 \\ \hline 53.7 \end{array}$$

21.0

$$\begin{array}{r} 2.1 \\ 40 \\ \hline 15 \end{array} \quad \begin{array}{r} 15 \\ 50 \\ \hline 10 \end{array} \quad \begin{array}{r} 10 \\ 120.0 \\ \hline 57.0 \end{array}$$

20.8

$$\begin{array}{r} 9.4 \\ 32 \\ \hline 8.7 \end{array} \quad \begin{array}{r} 8.7 \\ 36 \\ \hline 7.0 \end{array} \quad \begin{array}{r} 7.0 \\ 40 \\ \hline 6.5 \end{array} \quad \begin{array}{r} 6.5 \\ 45 \\ \hline 4.3 \end{array} \quad \begin{array}{r} 4.3 \\ 15 \\ \hline 3.5 \end{array} \quad \begin{array}{r} 3.5 \\ 173 \\ \hline 530 \end{array}$$

20.9

$$\begin{array}{r} 9.9 \\ 32 \\ \hline 9.2 \end{array} \quad \begin{array}{r} 9.2 \\ 36 \\ \hline 7.2 \end{array} \quad \begin{array}{r} 7.2 \\ 40 \\ \hline 6.5 \end{array} \quad \begin{array}{r} 6.5 \\ 45 \\ \hline 4.8 \end{array} \quad \begin{array}{r} 4.8 \\ 52 \\ \hline 4.0 \end{array} \quad \begin{array}{r} 4.0 \\ 184 \\ \hline 28 \end{array} \quad \begin{array}{r} 28 \\ 151.6 \\ \hline \end{array}$$

21.2

$$\begin{array}{r} 11.0 \\ 32 \\ \hline 10.4 \end{array} \quad \begin{array}{r} 10.4 \\ 38 \\ \hline 8.1 \end{array} \quad \begin{array}{r} 8.1 \\ 39 \\ \hline 7.5 \end{array} \quad \begin{array}{r} 7.5 \\ 43 \\ \hline 5.2 \end{array} \quad \begin{array}{r} 5.2 \\ 47 \\ \hline 4.8 \end{array} \quad \begin{array}{r} 4.8 \\ 50 \\ \hline 3.3 \end{array} \quad \begin{array}{r} 3.3 \\ 52 \\ \hline 3.0 \end{array} \quad \begin{array}{r} 3.0 \\ 180 \\ \hline 90 \end{array}$$

21.7

$$\begin{array}{r} 9.5 \\ 38 \\ \hline 7.8 \end{array} \quad \begin{array}{r} 7.8 \\ 50 \\ \hline 9.1 \end{array} \quad \begin{array}{r} 9.1 \\ 176 \\ \hline 45.9 \end{array}$$

21.1

$$\begin{array}{r} 16.5 \\ 180 \\ \hline 354 \end{array}$$

Sta. + π - Elev.

1048.38

87+0

86+83=

87+29

87+50

0.29 1036.32 12.35 1036.03

87+70

4.41 1029.42 11.31 1025.01

87+77

88+12 = P/in.

88+50

89+0

10.50

101892

Contd p. 24

4.

5

121

19

$$\pm \text{Prop Walk} = \frac{34}{60}$$

$$\text{Req Prop Walk} = \frac{1.9}{64.25}$$

$$\pm \text{Prop Walk} = \frac{8.4}{54.0}$$

$$\pm \text{Prop Stairs} = \frac{15.0}{50}$$

$$\text{Est. Stairs BtH} = \frac{7.4}{46.4}$$

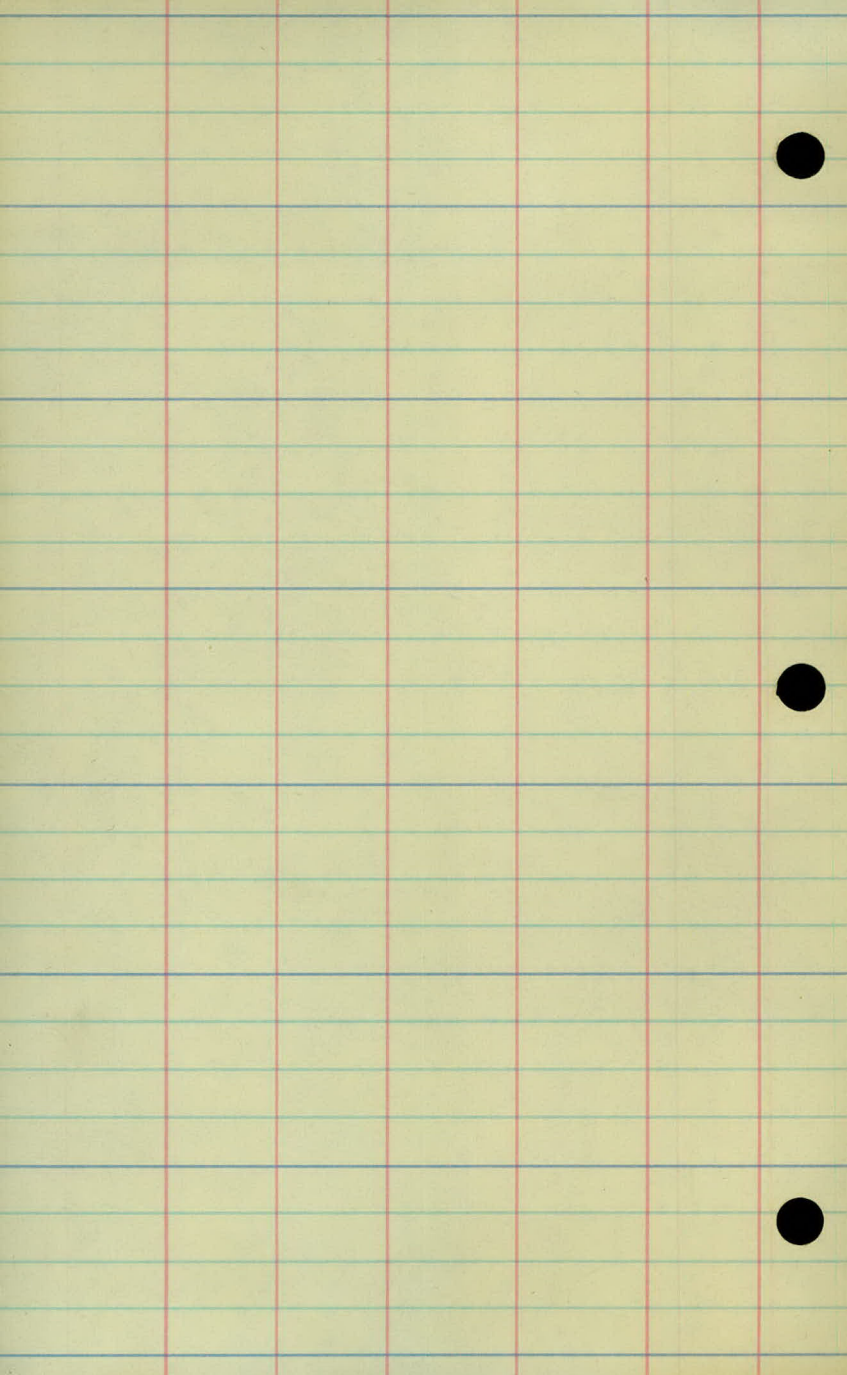
Nail in RD LT Sta. 88+0

$$3.9 \quad 24.0 \begin{array}{r} 5.4 \\ 10.00 \end{array} \begin{array}{r} 4.9 \\ 19 \end{array} \begin{array}{r} 5.5 \\ 16 \end{array} \begin{array}{r} 4.4 \\ 12 \end{array} \begin{array}{r} 4.0 \\ 7.3 \end{array} \quad 3.9 \quad \begin{array}{r} 3.7 \\ 10.6 \end{array} \begin{array}{r} 3.9 \\ 14 \end{array} \begin{array}{r} 4.7 \\ 15 \end{array} \begin{array}{r} 2.5 \\ 19 \end{array} \begin{array}{r} 1.4 \\ 12.5 \end{array} \begin{array}{r} 32.0 \end{array}$$

$$5.3 \quad 3.8 \begin{array}{r} 9.5 \\ 4.2 \end{array} \begin{array}{r} 8.3 \\ 18 \end{array} \begin{array}{r} 5.9 \\ 13 \end{array} \begin{array}{r} 5.4 \\ 6.8 \end{array} \quad 5.1 \quad \begin{array}{r} 5.3 \\ 10.7 \end{array} \begin{array}{r} 5.5 \\ 14 \end{array} \begin{array}{r} 6.0 \\ 15 \end{array} \begin{array}{r} 6.0 \\ 17 \end{array} \begin{array}{r} 5.1 \\ 9 \end{array} \begin{array}{r} 5.4 \\ 12.8 \end{array}$$

$$7.3 \quad 34.4 \begin{array}{r} 11.9 \\ 4.6 \end{array} \begin{array}{r} 12.3 \\ 2.8 \end{array} \begin{array}{r} 11.6 \\ 18 \end{array} \begin{array}{r} 7.7 \\ 11 \end{array} \begin{array}{r} 7.4 \\ 7.0 \end{array} \quad 7.1 \quad \begin{array}{r} 7.2 \\ 11.1 \end{array} \begin{array}{r} 7.5 \\ 13 \end{array} \begin{array}{r} 8.0 \\ 16 \end{array} \begin{array}{r} 7.7 \\ 20 \end{array} \begin{array}{r} 7.1 \\ 7.0 \end{array} \begin{array}{r} 6.0 \\ 11.3 \end{array} \begin{array}{r} 29.6 \end{array}$$

$$9.8 \quad 29.6 \begin{array}{r} 13.2 \\ 3.4 \end{array} \begin{array}{r} 13.3 \\ 17 \end{array} \begin{array}{r} 10.2 \\ 10 \end{array} \begin{array}{r} 9.9 \\ 6.8 \end{array} \quad 9.6 \quad \begin{array}{r} 9.9 \\ 12 \end{array} \begin{array}{r} 10.2 \\ 14 \end{array} \begin{array}{r} 11.0 \\ 17 \end{array} \begin{array}{r} 12.6 \\ 20.0 \end{array} \begin{array}{r} 25.4 \end{array}$$



Topography

Lorpenleur Ave.

East of East Ave.

88

+50

87

+50

86

+50

85

19-B

+12-E. Cor P/L
3.25

+75-E. Ent-50' RT

+67-Ent

12'x16 C.M.
1.41

+63-28' Oak
56'

2 Proposed 3.5' Wide stairs & Walk
(Approx 33' Walk, 58' Stairway)

+62-T.P. 28'

+13-18' Oak 53

+61-1" Bx. Eld. 31.5

+97-18' Oak 64

+93-36' Oak 55

+80-36' Oak 56

+62-4" Bx. Eld. 27

+86-79-N.E. Cor. Oak 66

+70-Flower Pot Conc. 42

+67-Top Stairs

+60-Flower Pot 43

+65-Bottom Stairs

+86-89-N.W. Cor. Oak 70

17.2

+15-18' Oak 70

+62-4" Bx. Eld. 27

+47-6" Bx. Eld. 44

2 and 3 Prop Walk-86+83

64.25

+86 T.P.
27'

Scale 1"=50'

