

Bk. 36 - Dr. 11

OFFICE OF COUNTY ENGINEER  
RAMSEY CO. MINN.

Plan Survey

PLEASANT AVE.

From Larpenieur Av. to Ione St.

Road Acc't. No. R-7

Date Filed 10-26-39

File

Plan Survey

Pleasant Ave.

Larpentour to lone.

8/19/39

R.O.P.  
A.M.  
L.G.  
C.F.

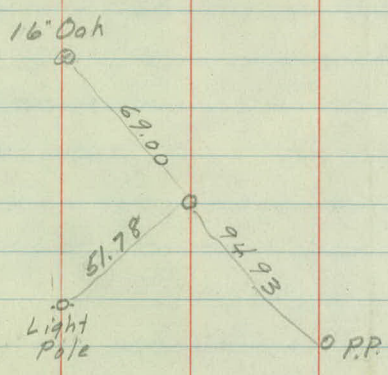
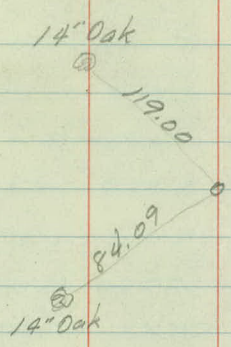
Sta.

Pt.

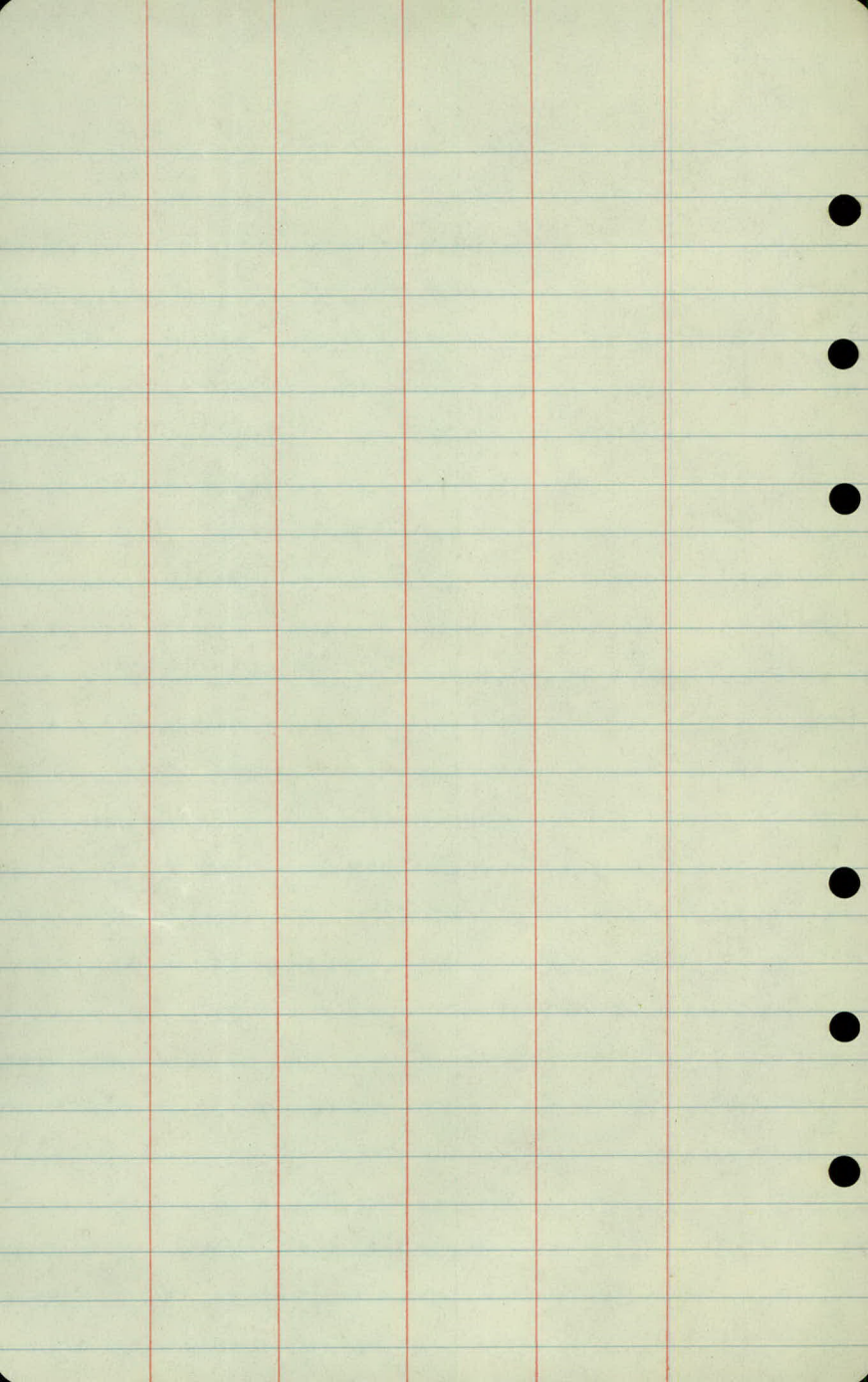
6+59.09 P.O.T. & Tone

0+00 P.O.T.

Note:- New Ties for Drawing 346







# TOPOGRAPHY

Pleasant St.

Larpentour to 10th St.

+100 Rd. Pt. 11

+69 Rd. Pt. 50' +59-10'  
+48 Rd. Pt. 38'  
+21 Rd. Pt. 12'

6 11 7

5 9 9

4 10' 8'

3 11' 7'

2 13' 5'

1 15' 3'

+46 End Rad. 17

+44 End Rad. 3'

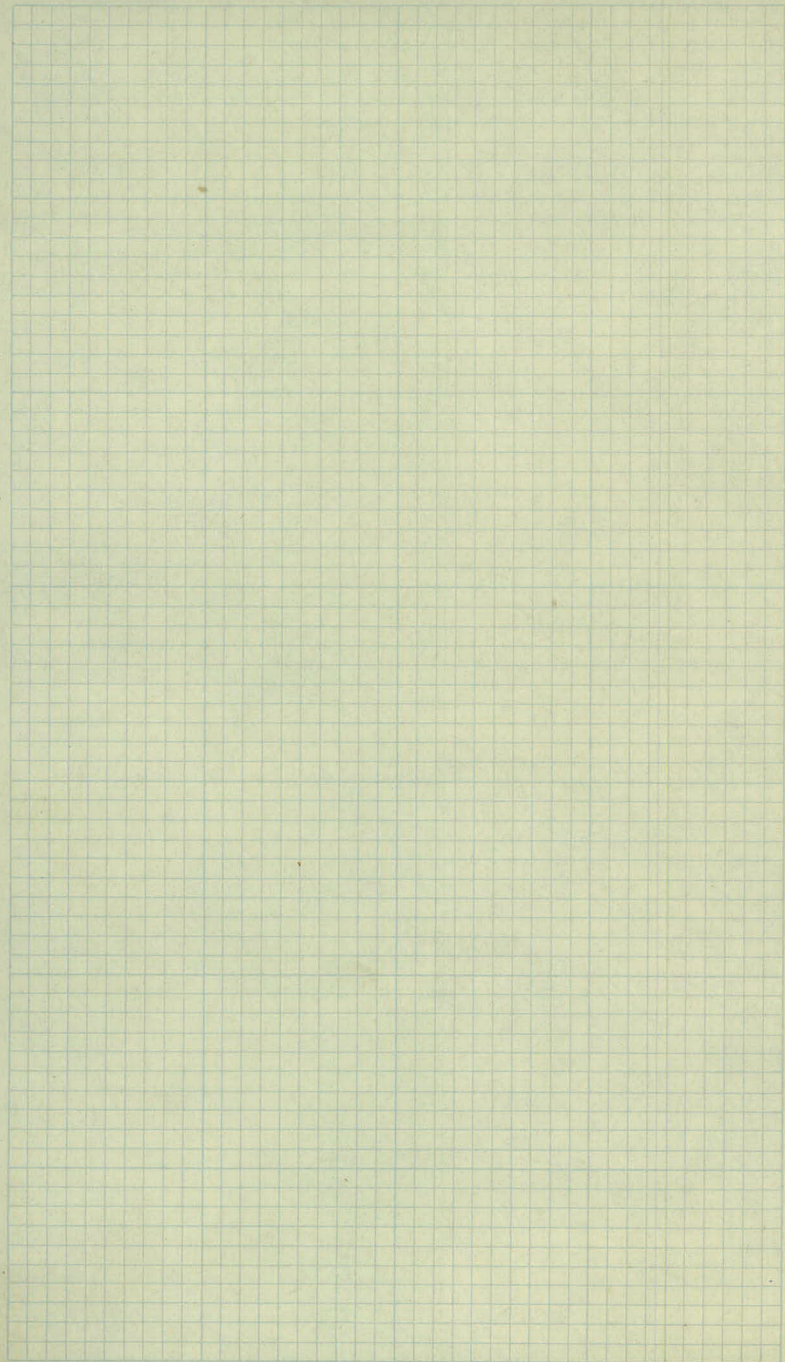
+17 Beg. Rad. 54' +10 Slope x 3 1/2

+16 Beg. Rad. 30'









Bench Levels

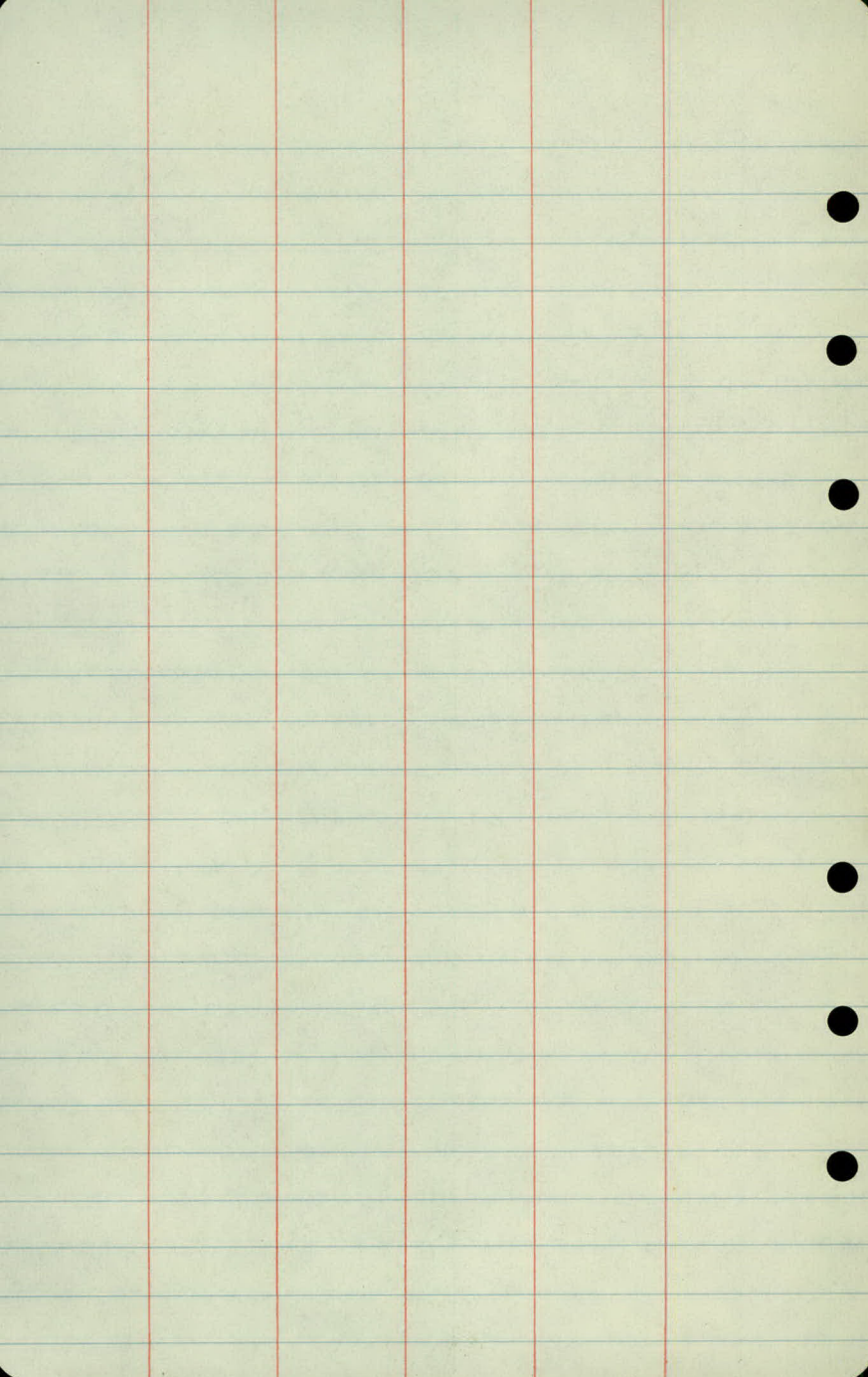
| Pt.  | t     | $\pi$  | -    | Elev.  |
|------|-------|--------|------|--------|
| B.M. | 13.15 | 956.89 |      | 943.74 |
|      | 8.14  | 963.45 | 1.58 | 955.31 |
|      | 9.42  | 968.06 | 4.81 | 958.64 |
|      | 7.72  | 974.72 |      |        |
|      |       | 959.28 | 1.06 | 967.00 |
|      |       | 976.02 |      | 970.82 |
|      | 5.20  | 950.18 | 3.90 | 955.38 |
|      |       | 976.02 |      | 973.26 |
| B.M. | 2.76  |        | 2.76 | 947.42 |
|      |       | 977.75 |      | 972.79 |
|      | 4.96  | 951.91 | 3.23 | 946.95 |
|      |       | 977.62 |      | 972.16 |
|      | 5.46  | 951.78 | 5.59 | 946.32 |
|      |       |        |      | 970.58 |
| B.M. |       |        | 7.04 | 944.76 |



Spike in P.P. S E. Cor. Larp. & Walnut

Spike in 14" Oak N.W. Cor. Lane & Pleasant

Top Drill Hole Larp. & Pleasant







| Sta  | +         | $\pi$  | -    | Elev   |
|------|-----------|--------|------|--------|
| B.M. | 7.04      | 977.64 |      | 970.58 |
| 0+00 | E Larp.   | 951.78 | 7.04 | 944.74 |
| +10  |           |        | 7.18 | 70.58  |
| +20  | shldr.    |        | 6.6  | 70.44  |
| +26  |           |        | 6.4  | 71.0   |
| +33  |           |        | 6.3  | 71.2   |
| +46  |           |        | 6.3  | 71.3   |
| +50  |           |        | 6.3  | 71.3   |
| 1    |           |        | 5.8  | 71.3   |
| +10  |           |        | 5.6  | 71.8   |
| +13  |           |        | 5.6  | 72.0   |
| +54  | Ent Lt.   |        | 5.2  | 72.0   |
| +72  | Alley Lt. |        | 5.2  | 72.4   |

## Top Drill Hole Larp. &amp; Pleasant

$$\begin{array}{r} 7.83 \\ \hline 50 \end{array} \quad 7.04 \quad \begin{array}{r} 6.31 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 7.83 \\ \hline 50 \end{array} \quad 7.18 \quad \begin{array}{r} 6.27 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 7.8 \\ \hline 50 \end{array} \quad \begin{array}{r} 7.1 \\ \hline 23 \end{array} \quad 6.6 \quad \begin{array}{r} 6.5 \\ \hline 22 \end{array} \quad \begin{array}{r} 6.2 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 8.5 \\ \hline 50 \end{array} \quad \begin{array}{r} 8.2 \\ \hline 37 \end{array} \quad \begin{array}{r} 7.5 \\ \hline 33 \end{array} \quad \begin{array}{r} 6.7 \\ \hline 14 \end{array} \quad 6.4 \quad \begin{array}{r} 6.6 \\ \hline 11 \end{array} \quad \begin{array}{r} 6.4 \\ \hline 21 \end{array} \quad \begin{array}{r} 8.4 \\ \hline 25 \end{array} \quad \begin{array}{r} 24^{\circ} \\ \hline \text{F.L.} \\ \hline 8.43 \end{array} \quad \begin{array}{r} 8.4 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 8.5 \\ \hline 50 \end{array} \quad \begin{array}{r} 8.2 \\ \hline 31 \end{array} \quad \begin{array}{r} 7.4 \\ \hline 27 \end{array} \quad \begin{array}{r} 6.5 \\ \hline 12 \end{array} \quad 6.3 \quad \begin{array}{r} 6.4 \\ \hline 8 \end{array} \quad \begin{array}{r} 5.8 \\ \hline 28 \end{array} \quad \begin{array}{r} 5.6 \\ \hline 50 \end{array}$$

F.L.  $\begin{array}{r} 8.61 \\ \hline \text{S. End} \end{array}$   $\begin{array}{r} 8.27 \\ \hline \text{N. End on Rt.} \end{array}$

$$\begin{array}{r} 8.2 \\ \hline 50 \end{array} \quad \begin{array}{r} 7.9 \\ \hline 25 \end{array} \quad \begin{array}{r} 7.2 \\ \hline 23 \end{array} \quad \begin{array}{r} 6.4 \\ \hline 9 \end{array} \quad 6.3 \quad \begin{array}{r} 6.4 \\ \hline 13 \end{array} \quad \begin{array}{r} 5.6 \\ \hline 23 \end{array} \quad \begin{array}{r} 5.3 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 8.1 \\ \hline 50 \end{array} \quad \begin{array}{r} 7.8 \\ \hline 24 \end{array} \quad \begin{array}{r} 7.2 \\ \hline 21 \end{array} \quad \begin{array}{r} 6.4 \\ \hline 9 \end{array} \quad 6.3 \quad \begin{array}{r} 6.6 \\ \hline 14 \end{array} \quad \begin{array}{r} 8.1 \\ \hline 18-22 \end{array} \quad \begin{array}{r} 5.7 \\ \hline 25 \end{array} \quad \begin{array}{r} 5.2 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 6.8 \\ \hline 50 \end{array} \quad \begin{array}{r} 6.7 \\ \hline 22 \end{array} \quad \begin{array}{r} 6.3 \\ \hline 15 \end{array} \quad \begin{array}{r} 5.8 \\ \hline 8 \end{array} \quad 5.8 \quad \begin{array}{r} 5.9 \\ \hline 13 \end{array} \quad \begin{array}{r} 7.9 \\ \hline 17-21 \end{array} \quad \begin{array}{r} 4.5 \\ \hline 29 \end{array} \quad \begin{array}{r} 4.0 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 6.6 \\ \hline 50 \end{array} \quad \begin{array}{r} 6.5 \\ \hline 26 \end{array} \quad \begin{array}{r} 6.1 \\ \hline 15 \end{array} \quad \begin{array}{r} 5.7 \\ \hline 8 \end{array} \quad 5.6 \quad \begin{array}{r} 5.8 \\ \hline 13 \end{array} \quad \begin{array}{r} 7.9 \\ \hline 18-22 \end{array} \quad \begin{array}{r} 4.1 \\ \hline 29 \end{array} \quad \begin{array}{r} 2.8 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 5.5 \\ \hline 50 \end{array} \quad \begin{array}{r} 5.5 \\ \hline 27 \end{array} \quad \begin{array}{r} 6.3 \\ \hline 22 \end{array} \quad \begin{array}{r} 6.1 \\ \hline 15 \end{array} \quad \begin{array}{r} 5.8 \\ \hline 9 \end{array} \quad 5.6 \quad \begin{array}{r} 5.7 \\ \hline 13 \end{array} \quad \begin{array}{r} 7.8 \\ \hline 18-22 \end{array} \quad \begin{array}{r} 3.8 \\ \hline 29 \end{array} \quad \begin{array}{r} 3.5 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 5.1 \\ \hline 50 \end{array} \quad \begin{array}{r} 5.2 \\ \hline 29 \end{array} \quad \begin{array}{r} 5.8 \\ \hline 20 \end{array} \quad \begin{array}{r} 5.7 \\ \hline 14 \end{array} \quad \begin{array}{r} 5.4 \\ \hline 10 \end{array} \quad 5.2 \quad \begin{array}{r} 5.5 \\ \hline 13 \end{array} \quad \begin{array}{r} 7.4 \\ \hline 18-22 \end{array} \quad \begin{array}{r} 1.7 \\ \hline 30 \end{array} \quad \begin{array}{r} 1.2 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 6.2 \\ \hline 50 \end{array} \quad \begin{array}{r} 5.7 \\ \hline 31 \end{array} \quad \begin{array}{r} 5.6 \\ \hline 18 \end{array} \quad \begin{array}{r} 5.5 \\ \hline 13 \end{array} \quad 5.2 \quad \begin{array}{r} 5.5 \\ \hline 13 \end{array} \quad \begin{array}{r} 7.4 \\ \hline 18-22 \end{array} \quad \begin{array}{r} 2.5 \\ \hline 30 \end{array} \quad \begin{array}{r} 1.7 \\ \hline 50 \end{array}$$

| Sta   | *        | $\pi$            | -    | Elev.            |
|-------|----------|------------------|------|------------------|
|       |          | 977.65<br>951.78 |      |                  |
| 2     |          |                  | 5.2  | 72.4             |
| +44   |          |                  | 5.6  | 72.0             |
| +58   | Ent Lt.  |                  | 5.6  | 72.0             |
| 3     |          |                  | 5.5  | 72.1             |
| +46   | Ent Lt.  |                  | 5.4  | 72.2             |
| +97   | Ent Lt.  | 977.95           | 5.3  | 72.3             |
| T. P. | 5.33     | 952.11           | 5.00 | 972.65<br>946.78 |
| 4+50  |          |                  | 5.4  | 72.6             |
| +91   | Ent Lt.  |                  | 5.2  | 72.8             |
| 5+06  |          |                  | 5.2  | 72.8             |
|       | Walk Lt. |                  |      |                  |
| +50   |          |                  | 5.1  | 72.9             |
| +91   |          |                  | 5.0  | 73.0             |
| 6     |          |                  | 5.1  | 72.9             |

$$\begin{array}{cccccccccccc} \frac{6.1}{44} & \frac{5.9}{21} & \frac{6.1}{19} & \frac{5.7}{13} & \frac{5.5}{9} & 5.2 & \frac{5.4}{13} & \frac{7.3}{18.22} & \frac{3.6}{30} & \frac{2.4}{50} \end{array}$$

$$\begin{array}{cccccccccccc} \frac{6.9}{40} & \frac{6.8}{26} & \frac{6.2}{21} & \frac{6.1}{14} & \frac{5.7}{7} & 5.6 & \frac{5.5}{13} & \frac{7.4}{17.21} & \frac{4.5}{29} & \frac{3.9}{50} \end{array}$$

$$\begin{array}{cccccccccccc} \frac{6.5}{50} & \frac{6.1}{22} & \frac{6.5}{18} & \frac{6.2}{15} & \frac{5.8}{10} & 5.6 & \frac{5.5}{13} & \frac{7.5}{17.21} & \frac{4.7}{28} & \frac{4.1}{50} \end{array}$$

$$\begin{array}{cccccccccccc} \frac{7.0}{50} & \frac{7.1}{35} & \frac{6.7}{17} & \frac{6.1}{14} & \frac{5.8}{9} & \frac{5.6}{2} & 5.5 & \frac{5.6}{13} & \frac{7.4}{17.21} & \frac{5.1}{27} & \frac{4.3}{50} \end{array}$$

$$\begin{array}{cccccccccccc} \frac{6.4}{50} & \frac{6.6}{27} & \frac{6.5}{18} & \frac{5.6}{10} & \frac{5.5}{7} & 5.4 & \frac{5.6}{14} & \frac{7.5}{17.21} & \frac{5.5}{27} & \frac{5.1}{50} \end{array}$$

$$\begin{array}{cccccccccccc} \frac{5.3}{50} & \frac{5.8}{38} & \frac{6.2}{27} & \frac{5.9}{23} & \frac{6.3}{18} & \frac{5.7}{12} & \frac{6.5}{8} & 5.3 & \frac{5.5}{13} & \frac{7.2}{17.21} & \frac{5.6}{25} & \frac{5.4}{50} \end{array}$$

$$\begin{array}{cccccccccccc} \frac{4.8}{50} & \frac{5.6}{28} & \frac{6.2}{21} & \frac{6.4}{17} & \frac{5.9}{14} & \frac{5.6}{9} & \frac{5.4}{5} & 5.4 & \frac{5.5}{14} & \frac{7.1}{17.21} & \frac{5.4}{24} & \frac{5.3}{50} \end{array}$$

$$\begin{array}{cccccccccccc} \text{Culv.} & \text{Burried} & \text{6.72} & & & & & & & & & \\ & \text{N.End} & \text{S.End} & & & & & & & & & \\ \frac{3.0}{50} & \frac{3.5}{31} & \frac{5.0}{21} & \frac{5.4}{9} & & & 5.2 & \frac{5.5}{14} & \frac{6.7}{17.20} & \frac{4.3}{26} & \frac{4.7}{50} \end{array}$$

$$\begin{array}{cccccccccccc} \frac{2.2}{50} & \frac{2.0}{30} & \frac{5.8}{19} & \frac{6.1}{17} & \frac{5.6}{14} & \frac{5.3}{8} & 5.2 & \frac{5.3}{14} & \frac{6.7}{17.20} & \frac{3.8}{26} & \frac{4.1}{50} \end{array}$$

$$\begin{array}{cccccccccccc} & & & & 5.22 & & & & & & & \\ \frac{0.7}{50} & \frac{1.0}{30} & \frac{5.4}{19} & \frac{5.9}{16} & \frac{5.3}{14} & \frac{5.2}{10} & \frac{5.1}{6} & 5.1 & \frac{5.1}{14} & \frac{6.2}{17.21} & \frac{2.4}{28} & \frac{2.9}{50} \end{array}$$

$$\begin{array}{cccccccccccc} \frac{4.1}{50} & \frac{2.9}{29} & \frac{6.1}{18.16} & \frac{5.5}{13} & 5.0 & \frac{5.1}{10} & \frac{5.4}{14} & \frac{6.3}{17.19} & \frac{0.0}{28} & \frac{2.2}{50} \end{array}$$

$$\begin{array}{cccccccccccc} \frac{5.9}{50} & \frac{4.6}{25} & \frac{6.5}{20.17} & \frac{5.5}{13} & 5.1 & \frac{5.1}{7} & \frac{5.4}{13} & \frac{6.2}{17.20} & \frac{+0.2}{28} & \frac{2.0}{50} \end{array}$$



Sta

+

 $\pi$ 

-

Elev

 $977.95$   
 $952.10$ 

6+32

5.3

72.7

+44

5.4

72.6

+39

± long st Lt.

5.6

72.4

Ent Rt.

B.M.

4.68

973.27

 $947.43$ 
 $947.43$

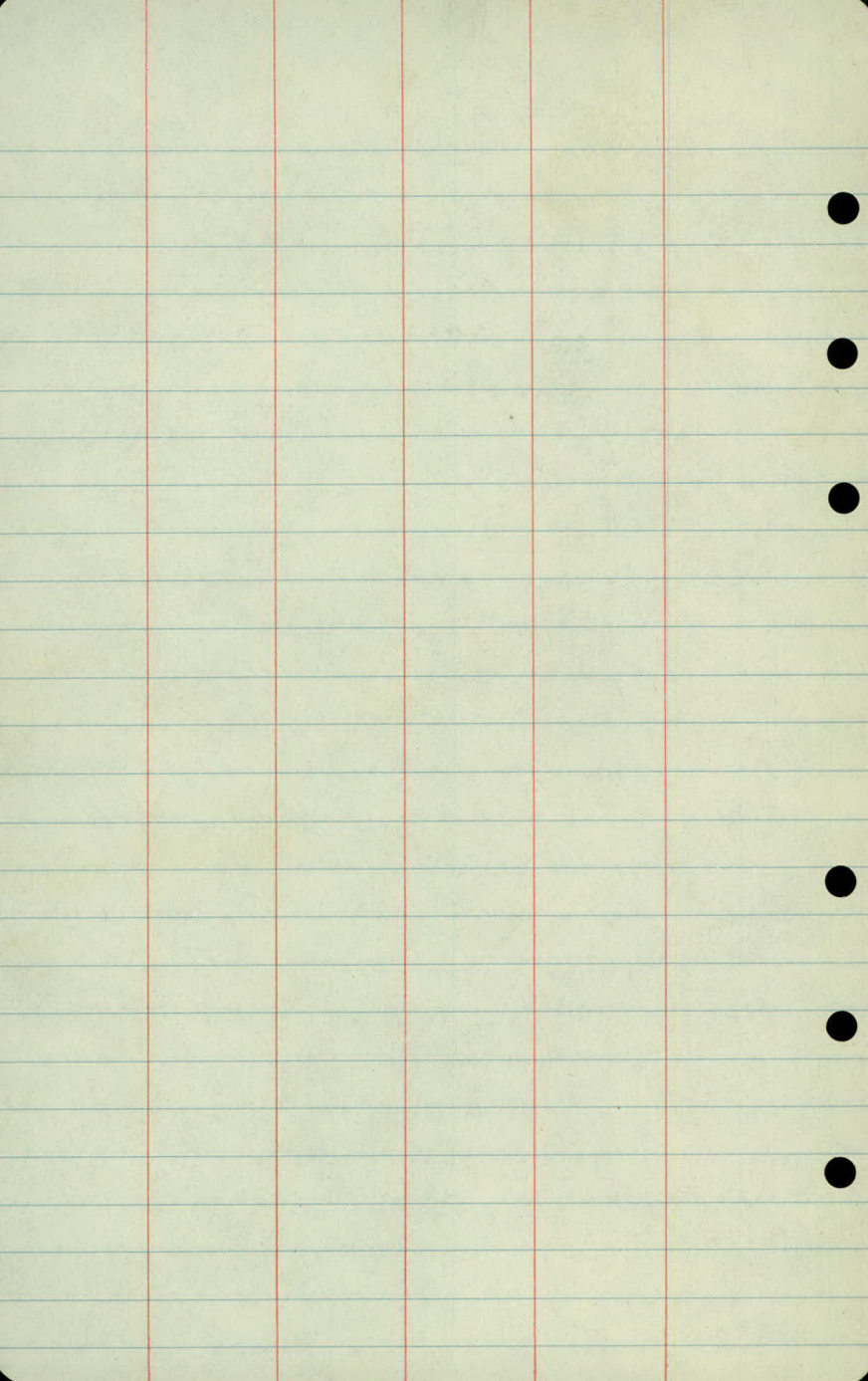
|                   |                  |                  |                  |     |                  |                  |                     |                  |                  |
|-------------------|------------------|------------------|------------------|-----|------------------|------------------|---------------------|------------------|------------------|
| $\frac{10.1}{50}$ | $\frac{8.0}{27}$ | $\frac{6.5}{19}$ | $\frac{5.7}{11}$ | 5.3 | $\frac{5.4}{10}$ | $\frac{5.7}{13}$ | $\frac{6.7}{16-19}$ | $\frac{1.6}{27}$ | $\frac{2.3}{50}$ |
|-------------------|------------------|------------------|------------------|-----|------------------|------------------|---------------------|------------------|------------------|

|                  |                  |                  |     |                 |                  |                     |                  |                  |
|------------------|------------------|------------------|-----|-----------------|------------------|---------------------|------------------|------------------|
| $\frac{7.0}{50}$ | $\frac{6.6}{28}$ | $\frac{5.8}{14}$ | 5.4 | $\frac{5.4}{8}$ | $\frac{5.4}{14}$ | $\frac{6.6}{16-19}$ | $\frac{2.3}{27}$ | $\frac{2.7}{50}$ |
|------------------|------------------|------------------|-----|-----------------|------------------|---------------------|------------------|------------------|

Calc. Rt.  $\frac{6.95}{5 \text{ End}}$  ( $\frac{7.05 \text{ Book}}{N \text{ End}}$ )

|                  |                  |                  |     |                  |                  |                  |
|------------------|------------------|------------------|-----|------------------|------------------|------------------|
| $\frac{6.5}{50}$ | $\frac{6.2}{33}$ | $\frac{5.7}{10}$ | 5.6 | $\frac{5.6}{10}$ | $\frac{5.0}{21}$ | $\frac{4.2}{50}$ |
|------------------|------------------|------------------|-----|------------------|------------------|------------------|

Spike 14" Oak N.W. Corn lone & Pleasant.



Profile of Alley  
Between Carl St.  
and Pleasant



| Sta  |             | $\pi$             | -    | Elev.             |
|------|-------------|-------------------|------|-------------------|
|      |             | <del>976.96</del> |      | <del>970.58</del> |
| B.M. | 6.38        | <del>951.12</del> |      | <del>944.74</del> |
|      |             | <del>975.58</del> |      | <del>969.09</del> |
| T.P. | 6.49        | <del>949.74</del> | 7.87 | <del>943.25</del> |
| 0+00 | & Carl St.  |                   | 13.8 | 61.8              |
| +11  | Gutter "    |                   | 13.8 | 61.8              |
| +50  |             |                   | 13.5 | 62.1              |
| 1+00 |             |                   | 12.8 | 62.8              |
| +53  |             |                   | 8.0  | 67.6              |
| +84  | Int. Alleys |                   | 6.6  | 69.0              |
| +94  |             |                   | 5.6  | 70.0              |
| 2+21 |             |                   | 4.3  | 71.3              |
| +50  |             |                   | 5.6  | 70.0              |
| +69  |             |                   | 6.9  | 68.7              |
| +77  |             |                   | 8.1  | 67.5              |
| 3+00 |             |                   | 7.9  | 67.7              |
| +50  |             |                   | 8.0  | 67.6              |

Drill Hole Pavement Larp & Pleasant.

