

Dr. 6 - Bk. 109

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

----- P1017 ----- Survey

----- ARCHERY RANGE -----

From ----- To -----

Road Acc't. No. -----

Date Filed. 1936

File D. 6 B. 109

Archery

Archery Range.

T.R. ○

63.15'

Boat Spike

5-55

○

40' ○

74.28'

T.P. ○

200' X 300'

(2-55)

○

40'

○

63.15'

72.4'

○

○

T.P.

T.P.

G.R.

2.65 869.83

867.18

0' - 0' = 2755-40' Rt.	5.8	64.0
0'50 - 0	5.75	64.08
1'40 - 0	5.67	64.16
1'50 - 0	5.58	64.25
2'40 - 0	5.50	64.33
2'50 - 0	5.42	64.41
3'40 - 0 = 5755-40' Rt.	5.33	64.5
3'40 - 50'	5.45	64.38
3'40 - 100'	5.58	64.25
3'40 - 150'	5.70	64.13
3'40 - 180'	5.76	
3'40 - 200'	5.83	64.00
2'50 - 200'	5.92	63.91
2'40 - 200'	6.00	63.83
1'50 - 200'	6.08	63.75
1'40 - 200'	6.17	63.66
0'50 - 200'	6.25	63.58
0'40 - 200'	6.33	63.50
0'40 - 150'	6.20	63.63
0'40 - 100'	6.08	63.75
0'40 - 50'	5.95	63.88
0'50 - 50	5.87	63.96
0'50 - 100'	6.00	63.83
0'50 - 150'	6.12	63.71

5755 =

2-9

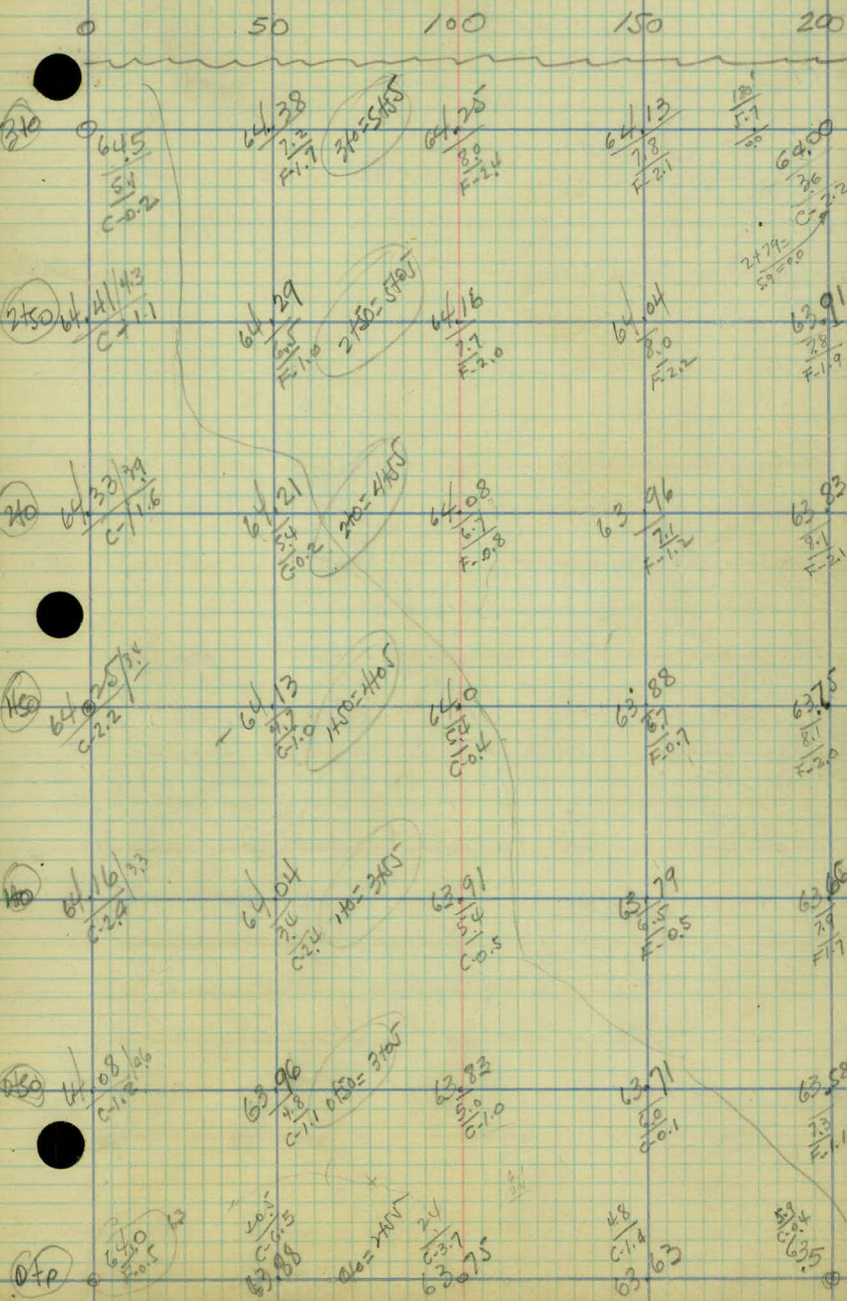
Con Rod.

809.83

140 - 50'	5.79	64.04
140 - 100'	5.92	63.91
140 - 150'	6.04	63.79
145 - 50	5.70	64.13
145 - 100'	5.83	64.00
145 - 150'	5.95	63.88
240 - 50'	5.62	64.21
240 - 100'	5.75	64.08
240 - 150	5.87	63.96
245 - 50	5.54	64.29
245 - 100	5.67	64.16
245 - 150	5.79	64.04

Archery Range.

3-9

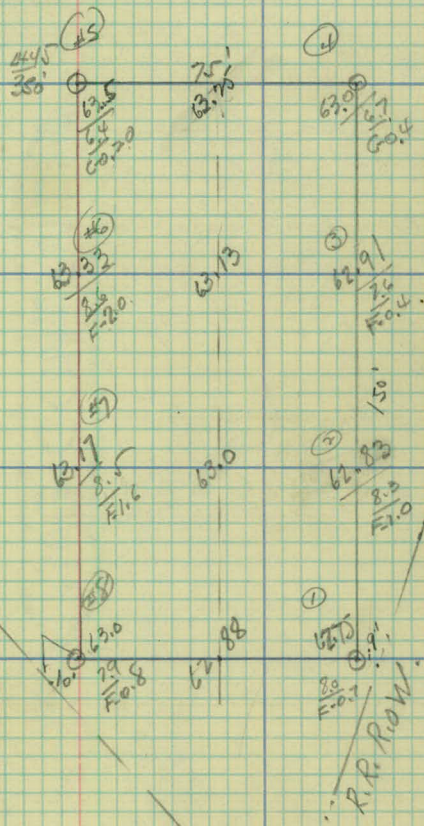


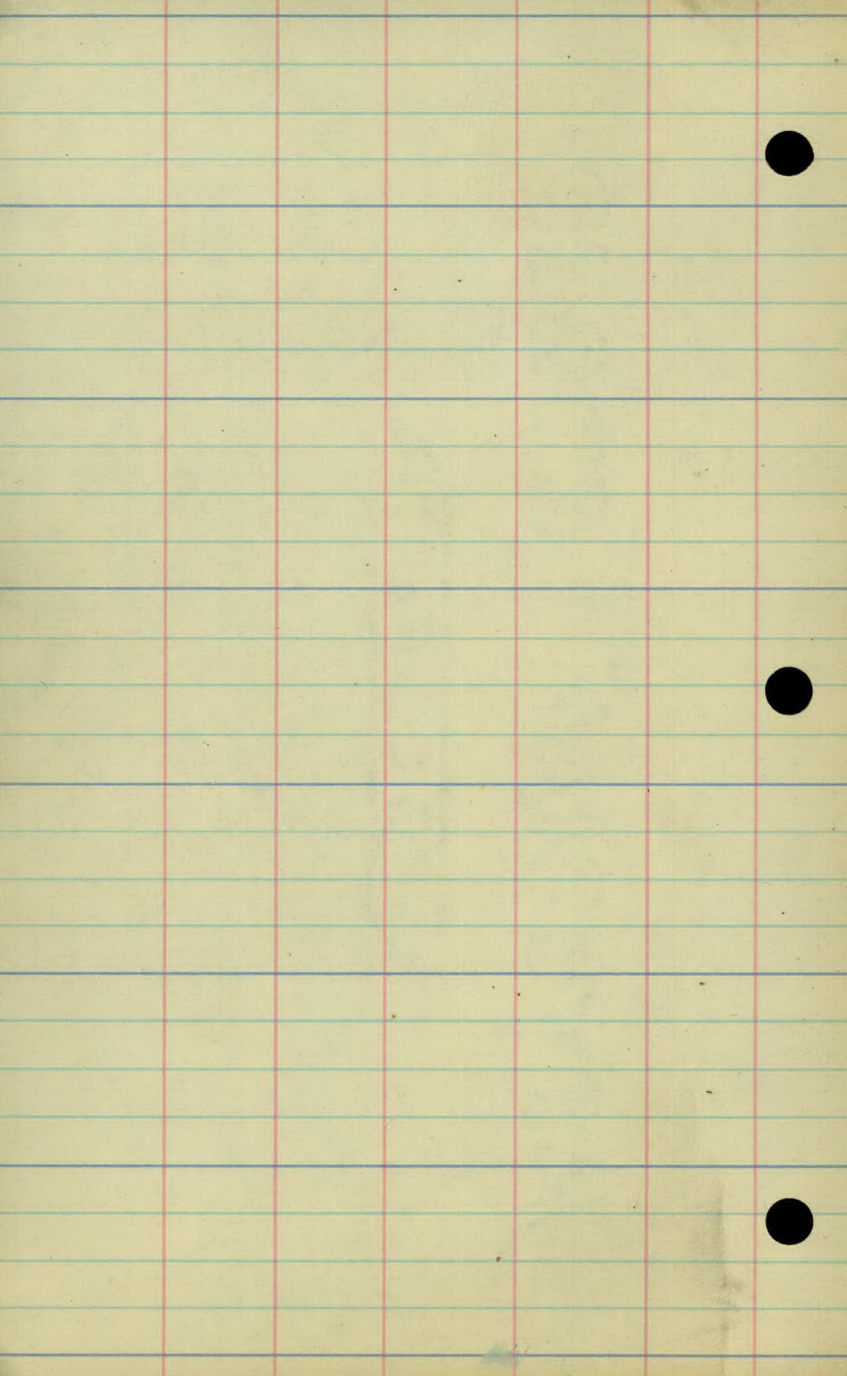
84.83

#1		7.08	62.75
#2		7.00	62.83
#3	62.18 292	6.92	62.91
#4	70.10 62.75	6.83	63.00
	2.92 870.10		867.18
#1		7.35	62.75
2		7.27	62.83
3		7.19	62.91
4		7.10	63.00
5		6.60	63.50
6		6.77	62.33
7		6.93	63.17
8		7.10	63.00

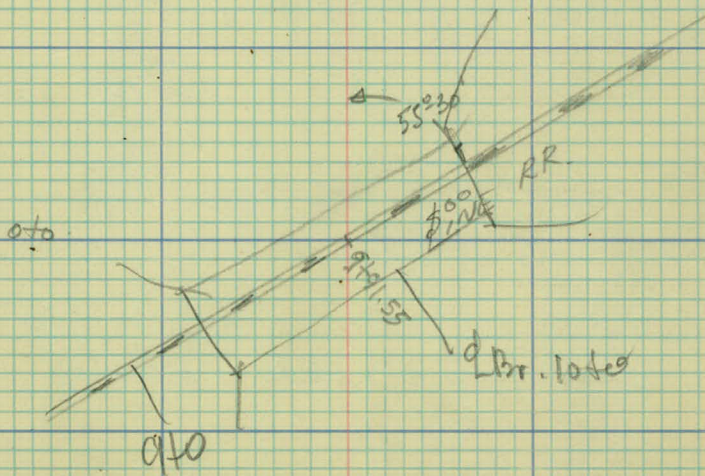
7.10
63.00
6.77

Anchor Range Practice Range. 75'-150'





Archery Course Topography



7

Wall-58'

6

Pol. 50'

+99-T.P. 47'

191-2-2'D of Wall-76'

5

Pol. 210'

+80 T.P. 14'

+50 Pol

90 -

4

Pol. 30 -

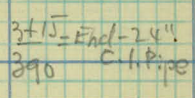
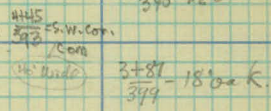
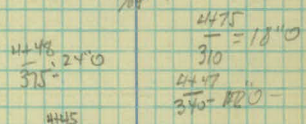
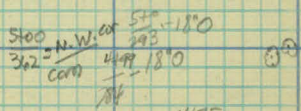
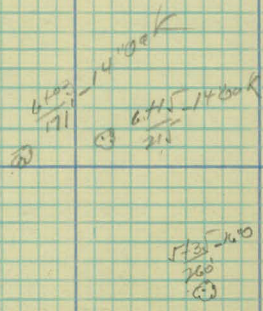
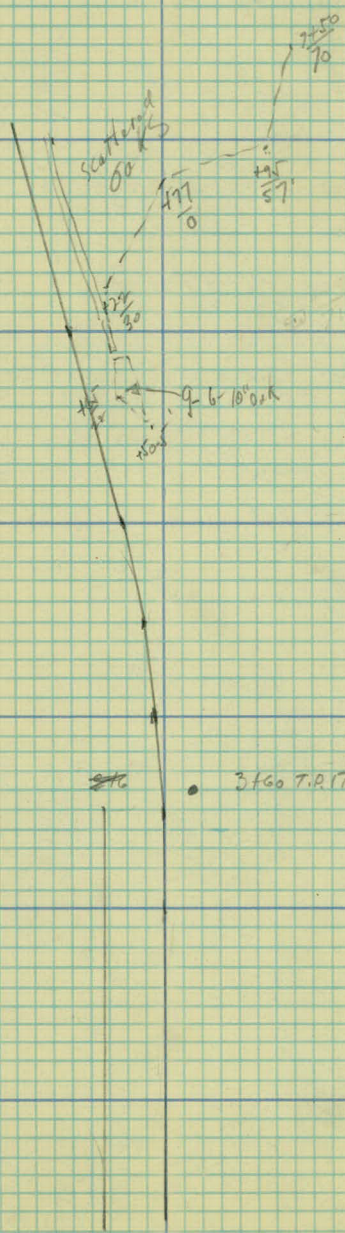
3450- Pol. 00

3

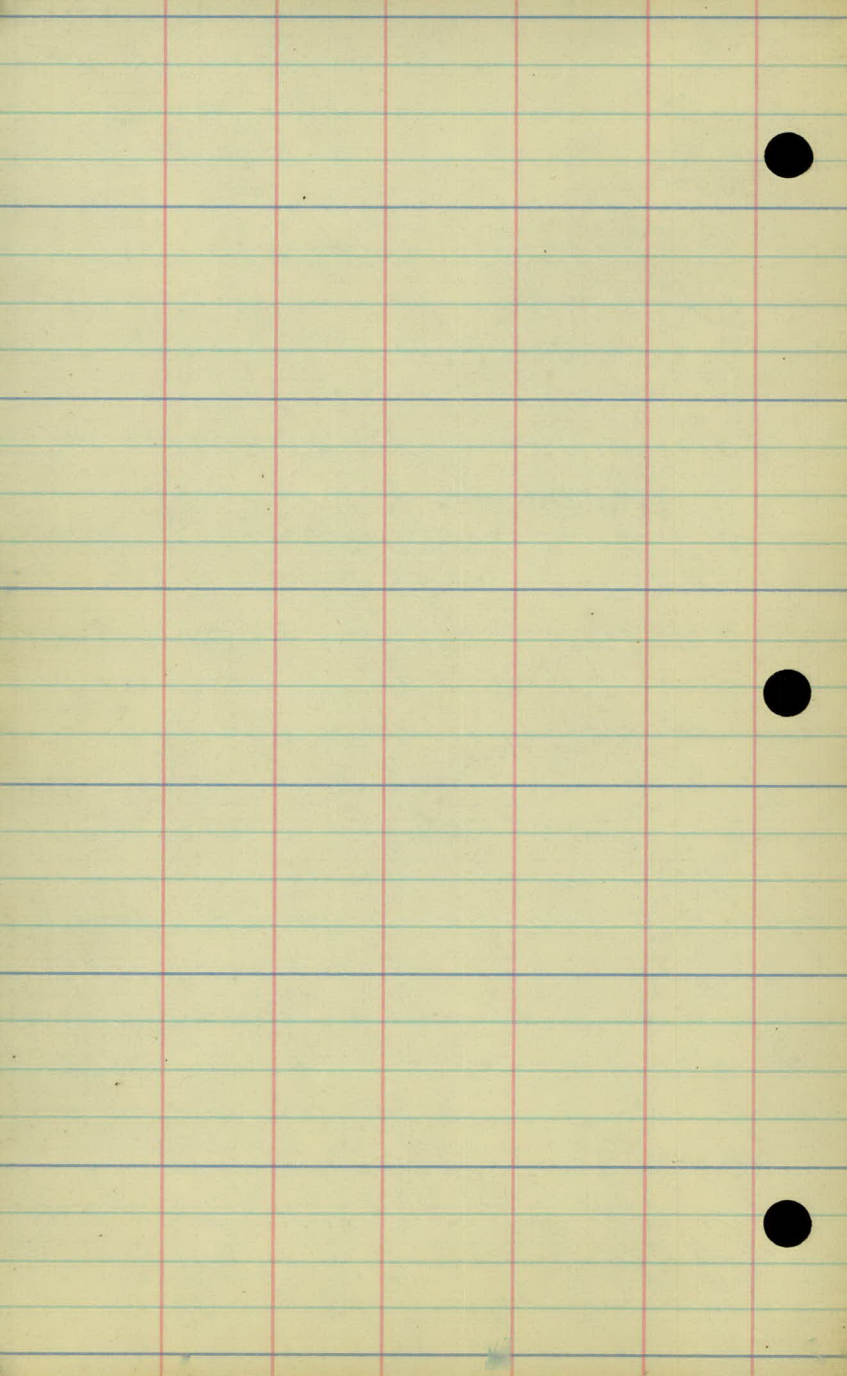
NE edge Pol. 00 f

2

1



3+60 T.R. 17



Archery Course
X-sections

Sta.	+	π	-	Elev.
B.M.	10.50	874.11		863.61

3to

4to

5to

7+25

6to

7+50

7to

7+33

7+50

$$\begin{array}{r} 63.61 \\ 10.5 \\ \hline \end{array}$$

$$\begin{array}{r} 60.3 \\ \text{Filling} \quad 13.8 \\ \hline \text{ARCUL.} \end{array}$$

$$\begin{array}{r} 64.46 \\ 9.65 \\ \hline \end{array} \quad \begin{array}{r} 65.3 \\ 8.8 \\ \hline 73 \end{array} \quad \begin{array}{r} 64.8 \\ 7.3 \\ \hline 40 \end{array}$$

$$(3450 - 350) \begin{array}{r} 61.8 \\ \hline 12.3 \end{array}$$

$$\begin{array}{r} 67.4 \\ 6.7 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 67.4 \\ 6.7 \\ \hline 32 \end{array} \quad \begin{array}{r} 65.7 \\ 8.4 \\ \hline 46 \end{array} \quad \begin{array}{r} 15.1 \\ 9.0 \\ \hline 100 \end{array} \quad \begin{array}{r} 63.1 \\ 11.1 \\ \hline 200 \end{array} \quad \begin{array}{r} 61.4 \\ 12.7 \\ \hline 200 \end{array} \quad \begin{array}{r} 62.9 \\ 11.2 \\ \hline 400 \end{array}$$

$$\begin{array}{r} 70.9 \\ 3.2 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 70.7 \\ 3.4 \\ \hline \end{array}$$

$$\begin{array}{r} 66.3 \\ 7.8 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 13.9 \\ 10.9 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 61.8 \\ 12.3 \\ \hline 200 \end{array}$$

$$\begin{array}{r} 62.1 \\ 11.6 \\ \hline 250 \end{array}$$

$$\begin{array}{r} 67.0 \\ 7.1 \\ \hline 200 \end{array}$$

$$\begin{array}{r} 71.3 \\ 2.8 \\ \hline \end{array}$$

$$\frac{5440}{300} = \frac{69.2}{4.9}$$

$$\begin{array}{r} 74.4 \\ 70.3 \\ \hline 46 \end{array}$$

$$\begin{array}{r} 69.9 \\ 4.2 \\ \hline 27 \end{array}$$

$$\begin{array}{r} 66.5 \\ 7.6 \\ \hline \end{array}$$

$$\begin{array}{r} 68.1 \\ 70.0 \\ \hline 76 \end{array}$$

$$\begin{array}{r} 62.0 \\ 12.1 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 64.1 \\ 10.0 \\ \hline 173 \end{array}$$

$$\begin{array}{r} 68.8 \\ 5.3 \\ \hline 200 \end{array}$$

$$\begin{array}{r} 67.5 \\ 6.6 \\ \hline 41 \end{array}$$

$$\begin{array}{r} 64.1 \\ 10.0 \\ \hline \end{array}$$

$$\frac{64.1 - 87.5}{200 - 91}$$

$$\begin{array}{r} 70.6 \\ 3.5 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 64.6 \\ 7.5 \\ \hline \end{array}$$

$$\begin{array}{r} 64.7 \\ 9.4 \\ \hline 55 \end{array}$$

$$\begin{array}{r} 71.3 \\ 2.8 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 87.40 \\ 9.1 \\ \hline 120 \end{array}$$

$$\begin{array}{r} 68.6 \\ 5.5 \\ \hline \end{array}$$

$$\begin{array}{r} 73.1 \\ 1.0 \\ \hline \end{array}$$

$$\begin{array}{r} 71.3 \\ 2.8 \\ \hline 55 \end{array}$$

B.M.

7.58

867.19

863.61

B.M

6.99

874.17

-0.01

867.18

5495

5415

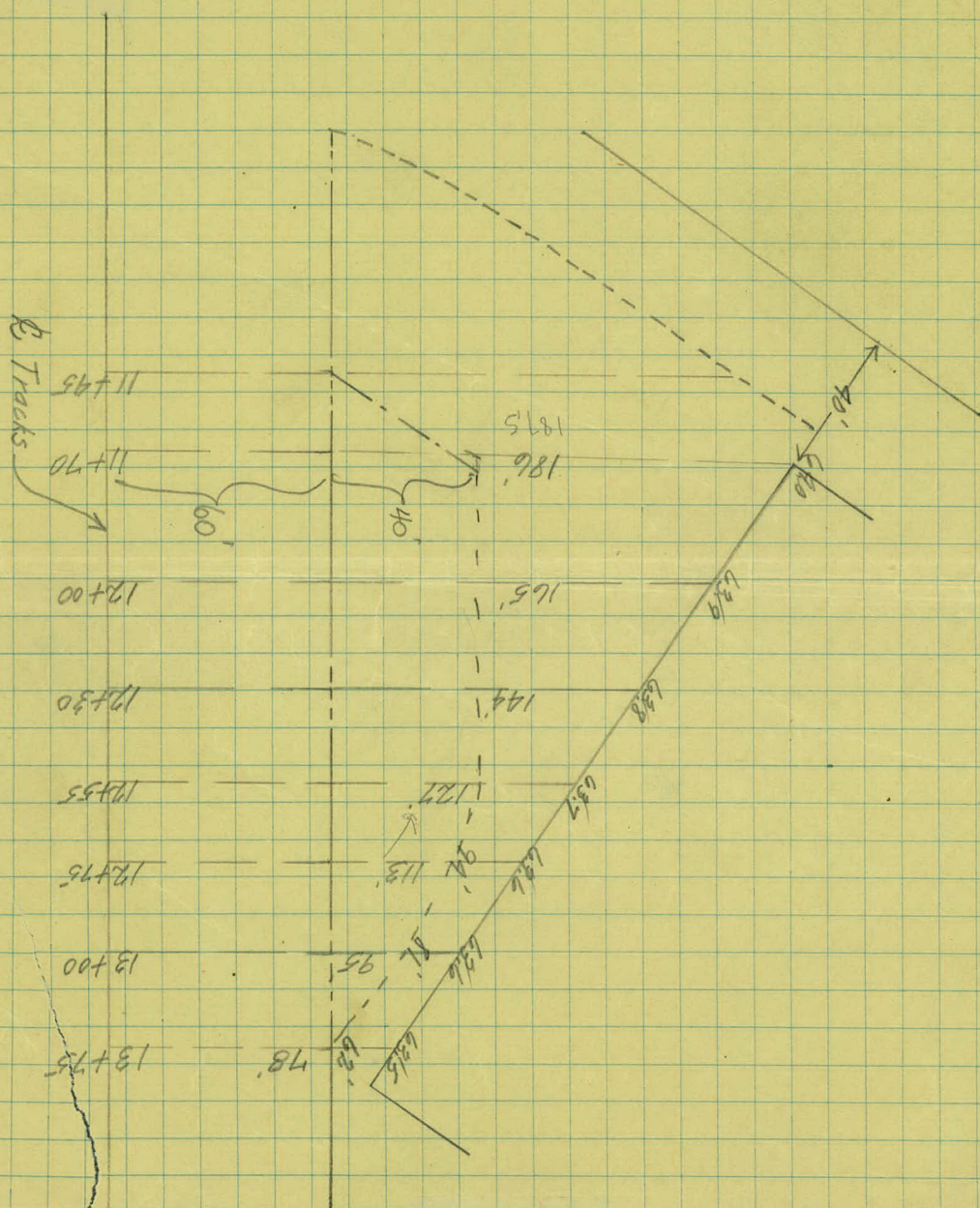
540

3435

2495

766

881.83



62.61
 9.88
 847.19
 67.18
 6.99
 874.17

Top G. R. Post.

$$\begin{array}{r} 62.9 \\ \underline{11.3} \\ 50 \end{array}$$

$$\begin{array}{r} 69.4 \\ \underline{78} \\ 250 \end{array}$$

$$\begin{array}{r} 68.5 \\ \underline{5.7} \\ 280 \end{array} \quad \begin{array}{r} 69.2 \\ \underline{50} \\ 300 \end{array} \quad \begin{array}{r} 66.1 \\ \underline{8.1} \\ 355 \end{array}$$

$$\begin{array}{r} 67.0 \\ \underline{7.2} \\ 355 \end{array}$$

$$\begin{array}{r} 61.7 \\ \underline{12.5} \\ 280 \end{array} \quad \begin{array}{r} 61.9 \\ \underline{12.2} \\ 300 \end{array}$$

$$\begin{array}{r} 62.5 \\ \underline{11.7} \\ 280 \end{array}$$

Top N. end L. R. Abut.

$$\begin{array}{r} 74.4 \\ \underline{7.8} \\ 61.4 \end{array}$$



Archery

4.42 871.60

867.18

640

6450

740

7410

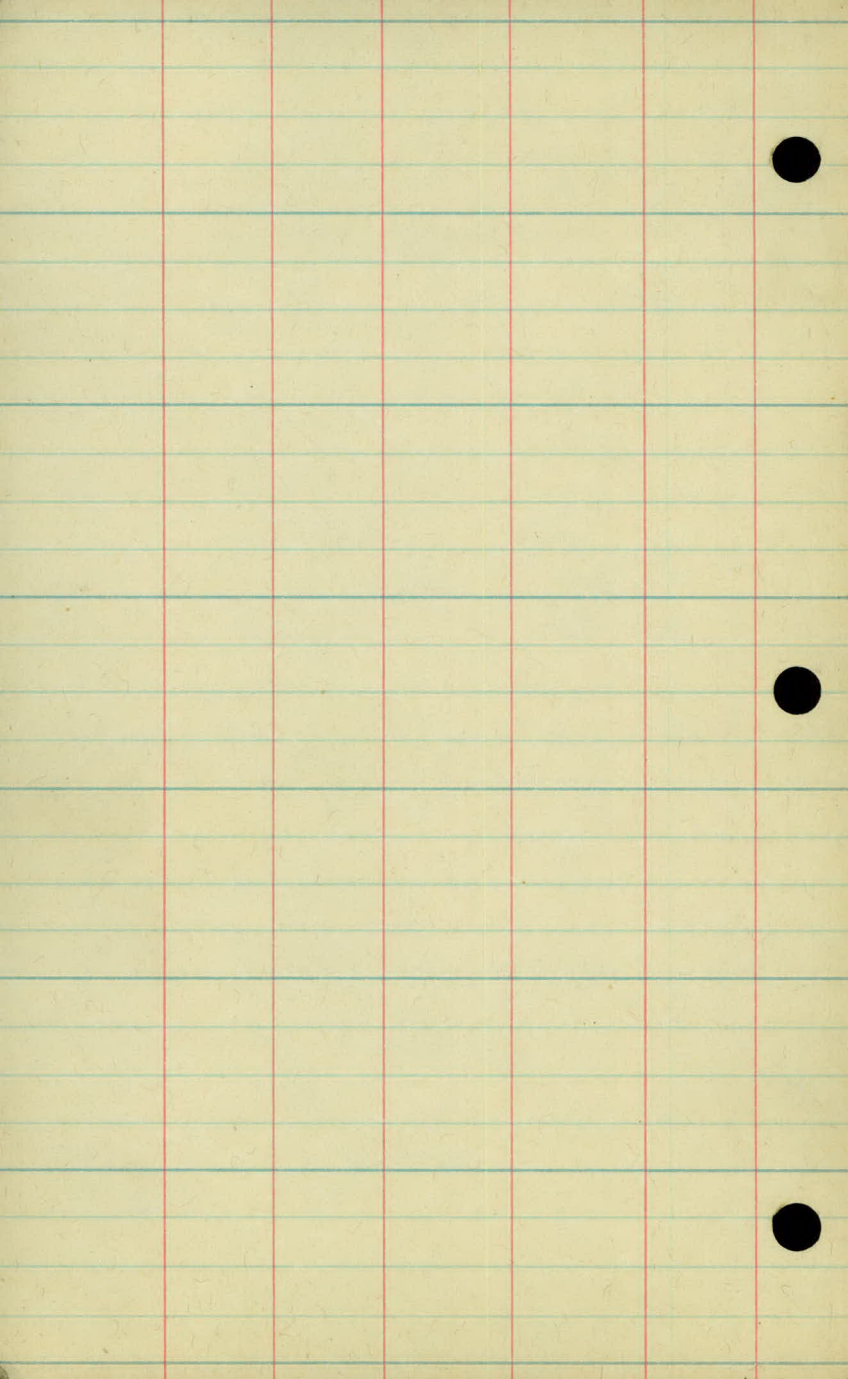
$$0.0 \quad \frac{6.8}{17}$$

$$0.0 = \frac{6.5}{5}$$

$$\frac{7.0}{15} \approx 0.0$$

$$\frac{7.6}{17.5} = 0.0$$

$$\frac{6.5}{60}$$



Bench Levels.

Phalen Creek to T.H.#61

	+	π	-	Elev.	
B.M.	3.58	867.19		863.61	W. 1/4 Sec 7 T12S
B.M.	9.68	876.86	-0.01	867.18	Top of Conc. G.P.A.
	9.70	885.94	0.62	876.24	
B.M. 1			2.08	883.86	N.W. 1/4 Sec 7
2			1.96	883.98	" "
3			2.08	883.86	" "
	1.65			867.22	