

*Return to City Engineers Office
City Hall, San Diego, Cal.*

LEVEL BOOK

400

F. B. 340

H. S. CROCKER COMPANY

DRAWING MATERIALS AND
SURVEYING INSTRUMENTS

340

SAN FRANCISCO

TABLES FOR EXCAVATIONS AND EMBANKMENTS

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING

Roadway 18 Feet Wide. Side Slopes 1 to 1.
For Single Track Excavation.

"Copyright, 1895, by Kueffel & Esser Co."

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	0
1	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	1
2	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	2
3	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	3
4	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	4
5	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	5
6	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	6
7	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	7
8	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	8
9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	9
10	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	10
11	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	11
12	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	12
13	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	13
14	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	14
15	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	15
16	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	16
17	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	17
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	18
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	19
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	20
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	21
22	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	22
23	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	23
24	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	24
25	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	25
26	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	26
27	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	27
28	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	28
29	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	29
30	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	30
31	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	31
32	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	32
33	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	33
34	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	34
35	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	35
36	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

FB # 340

PAGE

NEWTON AVE; 16th to --- 1-9
PUEBLO LINE. X-SECTION.

NEWTON AVE; 16th to -- 11-54
SAMRSON. X-SECTION

10th St.; B to ASH -- 55-64
X-SECTION.

NEWTON AVE. --- 65-72
X-SECTION
(SAMRSON to SICCARD.)

FROM
Loring's Book Store
SAN DIEGO, CAL.

X-Section Newton Ave from W. L. ~~4/1/55~~
 16th St To Pueblo Line.
 + R H. I. - 9

B.M. 4707 P. ST. N. E. C. 1/4
 16th 8 Logan 11400

B.M.	0.51	14.51	14.00
	2.58	6.75	10.34
	W.L.	16 th St.	4.17
N		8.1	-1.3
crib		8.2	-1.4
1/4		8.0	-1.2
+ 7		4.7	2.1
+ 9 = 2' N of RAIL		4.7	2.1
+ 11.5 = N RAIL		4.1	2.7
M		4.1	2.7
+ 4 = 2' S of S. RAIL		4.7	2.1
+ 8		4.7	2.1
1/4		7.5	-0.7
+ 1		8.0	-1.2
crib		8.7	-1.9
S		9.5	-2.9

POSTED

Dunkle
 Shure
 Lambert

0 + 2.5' W.

1

3	9.2	-2.4
crib	7.0	-2.2
1/4	8.0	
+ 6	4.9	1.9
+ 8 = 2' S of S. RAIL	4.9	1.9
M	7.3	2.5
N RAIL	4.4	2.6
+ 4 = 2' N of RAIL	4.8	1.9
+ 0	4.8	2.0
1/4	8.3	-1.5
crib	8.1	-1.3
N	8.1	-1.3
	0 + 5.0 W	
N	6.8	0.0
crib	7.2	-0.4
1/4	8.4	-1.6
+ 6	4.5	2.0
+ 9 = 2' N of RAIL	4.9	1.9
RAIL	4.4	2.4
M	4.4	2.4
+ 5	4.9	1.9
+ 8	5.0	1.8
1/4	8.0	-1.2
crib	8.7	-1.9
S	9.4	-2.6

POSTED

6.75
0+75' W

S	9.4	-2.6
orb	8.6	-1.8
1/4	8.3	-1.5
+5	4.8	2.0
+8 = 2'5 off	4.9	1.9
M	4.4	2.4
N. RAIL	4.4	2.4
+4	4.8	2.0
+7	4.5	2.3
1/4	8.1	-1.3
orb	6.3	0.5
N	6.3	0.5

1+00 W

N	6.6	0.2
orb	6.7	0.1
1/4	7.9	-1.1
+8	4.7	2.1
+9.0	4.8	2.0
N. RAIL	4.3	2.5
M	4.4	2.4
+5 = 2'5 off S. RAIL	4.8	2.0
+7	4.7	2.1
1/4	8.2	-1.4
orb	8.7	-1.9
S	9.4	-2.6

1+25' W

S	9.4	-2.6
orb	8.6	-1.8
1/4	8.2	-1.4
+5	5.1	1.7
+8 = 2'5 off	4.8	2.4
M	4.3	2.5
N. RAIL	4.3	2.5
+4	4.3	2.5
+7	4.5	2.5
1/4	8.2	-1.4
orb	7.4	-0.6
N	7.2	-0.4

1+50

N	8.2	-1.4
orb	8.3	-1.5
1/4	8.3	-1.5
+7	4.5	2.3
+9	4.2	2.6
N. RAIL	4.2	2.5
M	4.3	2.5
+5 = 2'5 off S. RAIL	4.8	2.0
+8	4.7	2.1
1/4	8.2	-1.4
orb	8.7	-1.9
S	9.4	-2.6

6.75

1+75 W

S	9.1	-2.3
erb	8.8	-2.0
+11	8.1	-1.3
1/4	6.9	-0.1
+4	4.5	2.3
+8	4.8	2.0
M	4.3	2.5
N. Rail	4.2	2.6
+4	4.4	2.4
+8	4.2	2.6
1/4	8.2	-1.4
erb	8.3	-1.5
N	8.3	-1.5

2+00

N	8.4	-1.6
erb	8.3	-1.5
1/4	8.1	-1.3
+8	3.8	3.0
+9	4.5	2.3
N. Rail	4.2	2.6
M	4.3	2.5
+5	4.7	2.1
+8	4.2	2.6
1/4	6.7	0.1
+3	5.4	-1.6
erb	8.7	-1.9
S	7.3	-2.5

2+25

3

S	9.7	-2.9
erb	8.6	-1.8
+10	8.3	-1.5
1/4	6.7	0.1
+4	4.6	2.2
+8 2's of 1	4.8	2.0
M	4.3	2.5
N. Rail	4.2	2.6
+4	4.8	2.0
+6	4.0	2.8
1/4	8.1	-1.3
erb.	8.3	-1.5
N	8.3	-1.5

2+50

N	8.3	-1.5
erb	8.3	-1.5
1/4	8.4	-1.6
+7	3.9	2.9
+9 2's of 1/4 rail	4.5	2.3
N. Rail	4.2	2.6
M	4.2	2.6
+5 2's of S. rail	4.6	2.2
+8	3.9	2.9
1/4	6.5	0.0
+3	8.1	-1.3
erb	8.2	-1.8
S	7.6	-2.8

6.75 H.I.
2+75

S	9.7	-2.9
erb.	8.7	-1.9
+11	8.1	-1.3
14	6.9	-0.1
+5	4.6	2.2
+8=2	4.7	2.1
M	4.2	2.6
N.P.211	4.2	2.6
+4=2	4.7	2.1
+7	4.7	2.1
14	8.3	-1.5
erb	8.1	-1.3
N	8.3	-1.5

3+00

N	8.2	-1.4
erb	8.1	-1.3
14.5	8.2	-2.4
+4	4.7	2.1
+9=2	4.7	2.1
N.P.211	4.2	2.6
M	4.3	2.5
+5=2	4.7	2.1
+9	4.7	2.1
14	7.7	-0.9
14	7.7	-0.9
erb	8.4	-1.6
S	9.6	-2.8

3+25

4

S	9.6	-2.8
erb	8.6	-1.8
14	8.0	-1.2
+4	4.8	2.4
+8=2	4.8	2.0
M	4.3	2.5
N.P.211	4.2	2.6
+3.5	4.8	2.0
+6	4.6	2.2
14	8.0	-1.2
erb	8.2	-1.4
N	8.1	-1.3

3+50

N	8.1	-1.3
erb	8.1	-1.3
14	8.1	-1.3
+6	4.8	2.0
+9.5=2	4.6	2.2
N.P.211	4.2	2.6
M	4.2	2.6
+5=2	4.7	2.1
+9	4.8	2.0
14	8.3	-1.5
erb	8.6	-1.8
S	9.6	-2.8

6.75 H.I.

3+75

S	9.5	-2.7
crb	8.5	-1.7
+ 9	7.6	-0.9
1/4	6.3	0.5
+ 4	4.5	2.3
+ 8 = 2'	4.5	2.3
M	4.2	2.6
N.P.	4.1	2.7
+ 3.5 = 2'	4.5	2.3
+ 7	4.5	2.3
1/4	8.1	-1.3
crb	8.1	-1.3
N	8.1	-1.3

4+00

N	8.1	-1.3
crb	8.1	-1.3
1/4	8.1	-1.3
+ 2	4.5	1.3
+ 9.5 = 2'	4.3	1.5
N.P. 1/2	4.1	2.7
M	4.2	2.6
+ 5 = 2'	4.6	2.2
+ 9	4.7	2.1
1/4	6.8	0.0
+ 2	8.2	-1.4
crb	8.7	-1.9
S	9.5	-2.7

6.75 H.I.

4+25

5

S	9.5	-2.7
crb	8.7	-1.9
+ 10	8.4	-1.6
1/4	6.8	0.0
+ 4	4.5	2.3
+ 8 = 2'	4.5	2.3
M	4.1	2.7
N.P. 1/2	4.0	2.8
+ 3.5	4.5	2.3
+ 6	4.3	2.5
1/4	8.1	1.3
crb	7.8	-1.0
N	8.0	-1.2

T.P. 6.80 5.82 7.73 -0.98

4+50

N	7.1	-1.3
crb	7.1	-1.3
1/4	7.0	-1.3
+ 6	3.5	2.3
+ 9.5 = 2'	3.7	2.1
N.P. 1/2	3.1	2.7
M	3.2	2.6
+ 5 = 2'	3.7	2.1
+ 9	3.6	2.2
1/4	7.3	-1.5
crb	7.9	-2.1
S	8.1	-2.3

5.82

4+75

S	8.8	-2.5
crk	7.9	-2.1
+10	7.2	-1.4
11A	5.6	0.2
+4	3.5	2.3
+8=2	3.5	2.3
M	3.2	2.6
N.P	3.1	2.7
+3.5	3.8	2.0
+6	3.7	2.1
11A	6.8	-1.0
crk	7.0	-1.2
N	7.1	-1.3

5+00

N	7.0	-1.2
crk	6.9	-1.1
11A	6.7	-0.9
+6	3.8	2.0
+9.5=2	3.9	1.9
N.P 11	3.2	2.6
M	3.2	2.6
+5=2	3.7	2.1
+9	3.7	2.1
11A	5.5	0.3
+3	7.3	-1.5
crk	7.9	-2.1
9	8.1	-2.3

5+25

6

S	8.8	-2.5
crk	7.6	-1.8
+10	7.3	-1.5
11A	5.8	0.0
+4	3.5	2.3
+8=2	3.6	2.2
M	3.3	2.5
N.P 11	3.2	2.6
+3.5	3.9	1.9
+6	3.7	2.1
11A	6.4	-0.6
crk	6.6	-0.8
N	7.0	-1.2

5+50

N	6.9	-1.1
crk	6.8	-1.0
11A	7.7	-1.9
+6	3.7	2.1
+9.5=2	3.8	2.0
N.P 11	3.3	2.5
M	3.4	2.4
+5=2	3.6	2.2
+10	3.5	2.5
11A	5.4	0.4
+4	7.4	-1.6
crk	7.8	-2.0
S	7.6	-1.8

5.82

5+75

S	7.5	-1.7
crk	7.8	-2.0
+7	7.4	-1.6
1/4	5.4	0.9
+4	3.5	2.3
+8=2'	3.5	2.3
M	3.3	2.5
N. P. 2.1	3.4	2.4
+3.5=2'	4.0	1.8
+6	4.0	1.8
1/4	6.8	-1.0
crk	6.6	-0.8
N	6.6	-0.8

6+00

N	6.5	-0.7
crk	6.3	-0.5
1/4	6.6	-0.8
+5	3.9	1.9
+9=2'	4.0	1.8
N. P. 2.1	3.4	2.4
M	3.4	2.4
+5=2'	3.4	2.4
+9=	3.4	2.4
1/4	5.3	0.5
+3	7.0	-1.2
crk	7.6	-1.8
S	8.4	-2.6

6+25

S	7.2	-1.4
crk	7.6	-1.8
+9	7.4	-1.6
1/4	6.0	-0.2
+7	3.4	2.4
+8=2' S of S. P. 2.1	3.3	2.5
N. P. 2.1	3.3	2.5
+5=2' N of N. P.	3.9	1.9
+7	4.3	1.5
1/4	6.9	-1.1
crk	6.9	-1.1
N	6.9	-1.1

6+35 = E. wall of Flume

N	6.8	-1.0
crk	6.8	-1.0
+11 ground	6.9	-0.9
+11 top of wall	2.9	2.9
1/4 " " "	2.9	2.9
+3 " " "	2.9	2.9
+3 ground	8.6	-2.8
+7=2' N of N. P. 2.1	5.2	0.6
N. P. 2.1	3.3	2.5
M	3.3	2.5
+3=2' S of S. P. on wall	4.5	1.3
1/4 " " "	4.4	1.4
crk " "	4.5	1.3
S " "	4.5	1.3

5.82
6+50

Note: This section
taken in
circles of 8 ft diam.

S	9.2	-3.4
crb	9.2	-3.4
1/4	9.0	-3.2
M	9.2	-3.4
1/4	9.3	-3.5
crb	8.9	-3.1
+12.5 ground	6.9	-1.1
N Top wall	2.9	2.9
6+75		
N	8.5	-2.7
crb	9.3	-3.5
+4	9.2	-3.4
+9	3.5	2.0
1/4	3.7	2.1
+2=2' N of N rail	3.5	2.0
N. Rail	3.2	2.6
+11 = 2' S of S rail	3.3	2.5
M	3.3	2.5
+3	3.5	2.3
+7	5.4	0.4
1/4	6.2	-0.4
crb	6.3	-0.5
S	6.2	-0.4

7+00

8

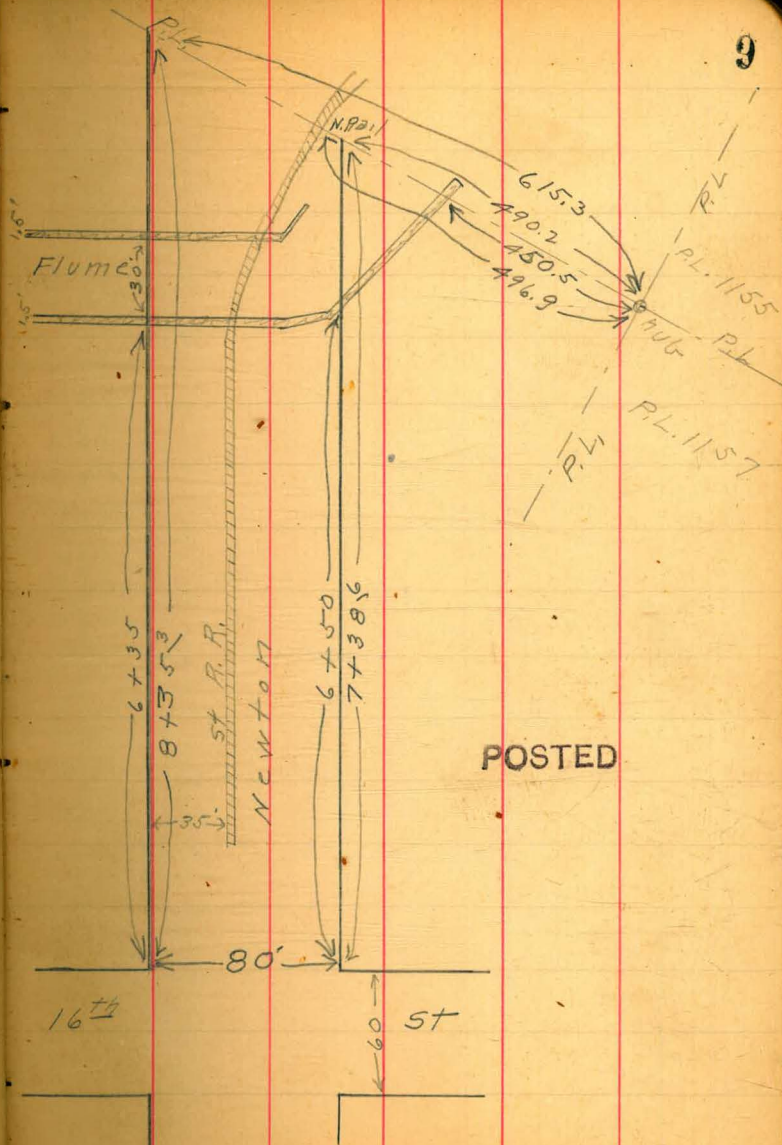
S	6.2	-0.4
crb	6.1	-0.3
1/4	6.3	-0.5
M	6.4	-0.6
+5	3.3	2.5
+10 = 2' S of S rail	3.1	2.7
1/4 N. Rail	3.1	2.7
+6 = 2' N of N rail	3.7	2.1
+11	3.8	2.0
crb	5.3	0.5
+6	9.2	-3.4
N	9.0	-3.2
7+38.6 see Plot Page 9		
N	3.5	2.3
+4 = 2' N of N. Rail	3.6	2.2
N. Rail	3.1	2.7
crb = 2' S of S Rail	3.2	2.6
+5	3.5	2.3
1/4	6.3	-0.5
M	6.5	-0.7
1/4	6.4	-0.6
crb	6.4	-0.6
S	6.3	-0.5

S. 82 H. I

x-section taken along Pueblo Line

Sec. A. See Plot Page 9

S	6.3	-0.5
+15	6.0	-0.2
+30	6.0	-0.2
+45	6.1	-0.3
+60	7.0	-1.2
+75	5.8	0.0
+90	6.6	-0.8
+100	7.1	-1.3
+108	3.3	2.5
+113 = 2' S of S. Rail	3.2	2.6
N. R. 211	3.1	2.7
+122 = 2' N of N. R.	3.5	2.3
+125.1 = N.	3.5	2.3



10

X-section Newton Ave N.L. 16th to Sampson

Dunkle 9/14/05
Spencer
Lambert

B.M. Hitching post N.E. Cox Logans 16th = 14.00

B.M. 0.51 14.51 14.00

3.79 7.96 10.34 9.17

W.L. 16th

N 9.4 -1.4

crb 9.5 -1.5

1/4 9.2 -1.2

+7 6.0 2.0

+9' = 2' N of N Rail 6.0 2.0

+11' = N. Rail 5.4 2.6

M 5.4 2.6

+5' = 23' of S Rail 6.0 2.0

+7 6.0 2.0

1/4 9.1 -1.1

crb 9.9 -1.9

S 10.7 -2.7

W. crb.

S 10.6 -2.6

crb 9.7 -1.7

1/4 9.1 -1.1

+5 6.0 2.0

+8 = 2' S of S Rail 6.0 2.0

M 5.4 2.6

N. Rail 5.3 2.7

+4 = 2' N of N Rail 5.9 2.1

+6 6.1 1.9

1/4 9.2 -1.2

crb 9.5 -1.5

N 9.4 -1.4

W 1/4

N 8.1 -0.1

crb 7.9 0.1

1/4 8.3 -0.3

+4 6.1

+9 5.9 2.1

N. Rail 5.2 2.8

M 5.3 2.7

+5 5.2 2.8

+7 6.0 2.0

1/4 8.8 -0.8

crb 9.5 -1.5

S 9.0 -1.0

POSTED

7.96
center

S	8.7	-0.7
orb	9.2	-1.2
"A	7.5	0.5
+ 8	5.9	2.6
M	5.2	2.8
N. Psil	5.1	2.9
+ 4	5.5	2.5
"A	6.8	1.2
orb	7.4	0.6

N	8.1	-0.1
---	-----	------

E "A

N	9.2	-1.1
orb	9.0	-1.0
"A	8.1	-0.1
+ 4	5.8	-2.2
+ 9	5.3	2.7
N. Psil	5.0	3.0
M	5.1	2.9
+ 5	5.3	2.7
"A	7.0	1.0

orb	8.8	-0.8
-----	-----	------

S	9.3	-1.3
---	-----	------

E. C. U. 6

12

S	8.9	-0.9
orb	9.0	-1.0
"A	7.9	0.1
+ 5	5.6	2.4
+ 8	5.5	2.5
M	5.0	3.0
N. Psil	4.9	3.1
+ 4	5.5	2.5
+ 6	5.7	2.3

"A	9.1	-1.1
----	-----	------

orb	9.4	-1.4
-----	-----	------

N	9.4	-1.4
---	-----	------

E. L. 16th

N	9.5	-1.5
orb	9.4	-1.4
"A	9.2	-1.2
+ 8	5.5	2.5
+ 9	5.4	2.6
N. Psil	4.8	3.2
M	4.9	3.1
+ 5	5.5	2.5
+ 8	5.6	2.4

"A	8.1	-0.1
----	-----	------

orb	9.3	-1.3
-----	-----	------

S	9.0	-1.0
---	-----	------

7.96
25' E of 16th

S	8.7	-0.7
crb	9.4	-1.4
1/4	8.7	-0.7
+5	5.2	2.2
+8	5.1	2.9
M	4.5	3.5
N. Rail	4.5	3.5
+4	5.1	2.9
+5	5.1	2.9
1/4	9.1	-1.1
crb	9.4	-1.4
N	9.4	-1.4

50' E

N	8.7	-0.7
crb	9.2	-1.2
1/4	8.8	-0.8
+7	4.6	3.4
+9	4.6	3.4
N. Rail	4.0	4.0
M	4.2	3.8
+5	4.6	3.4
+7	4.8	3.2
1/4	9.0	-1.0
crb	9.4	-1.4
S	8.0	0.0

75' E.

13

S	10.4	-2.4
crb	10.2	-2.2
1/4	9.1	-1.1
+6	4.4	3.6
+8	4.2	3.8
M	3.6	4.4
N. Rail	3.6	4.4
+4	4.2	3.8
+7	4.4	3.6
1/4	8.2	-0.2
+2	9.0	-1.0
crb	9.1	-1.1
N	9.1	-1.1

1+00 E

N	8.7	-0.7
crb	8.8	-0.8
1/4	8.1	-0.1
+7	3.6	4.4
+9	3.6	4.4
N. Rail	3.0	-0.5
M	3.1	4.9
+5	3.7	4.3
+8	3.9	4.1
1/4	9.0	-1.0
crb	9.9	-1.9
S	10.4	-2.4

7.96

1+25 E

S	7.9	-1.9
erb	7.7	-1.7
+ 8	9.0	-1.0
1/4	6.6	+1.4
+ 5	3.2	4.8
+ 8	3.1	4.9
M	2.5	5.5
N. Pail	2.4	5.6
+ 4	3.3	4.7
+ 6	3.4	4.6
1/4	8.1	-0.1
erb	8.2	-0.2
+12	8.1	-0.1
N	7.2	0.8

1+50 E

N	6.5	1.5
+ 2	7.5	0.5
erb	7.6	0.4
1/4	6.7	1.3
+ 7	2.7	5.3
+ 9	2.7	5.3
N. Pail	1.8	6.2
M	2.0	6.0
+ 5	2.5	5.5
+ 7	2.8	5.8
1/4	6.1	1.9
+ 5	8.1	-0.1
erb	8.5	-0.5
S	8.8	-0.8

1+75

14

S	6.5	1.5
erb	6.2	1.8
1/4	4.7	3.3
+ 6	2.1	5.9
+ 8	2.0	6.0
M	1.5	6.5
N. Pail	1.3	6.7
+ 4	1.9	6.1
+ 5	2.0	6.6
1/4	5.9	2.1
erb	6.3	1.7
N	5.8	2.2

2+00 E

N	4.3	3.7
erb	4.4	3.6
1/4	4.5	3.5
+ 8	1.7	6.3
+ 9	1.5	6.5
N. Pail	0.8	7.2
M	0.8	7.2
+ 5	1.4	6.6
+ 7	1.6	6.4
1/4	3.5	4.5
erb	4.2	3.8
S	5.3	2.7

7.96

2+25' E

S	3.6	4.4
crk.	2.9	5.1
1/4	2.3	5.7
+ 6	1.0	7.0
+ 8	0.9	7.1
M	0.5	7.5
N.Rail	0.3	7.7
+ 4	1.0	7.0
+ 6	1.1	6.9
+ 9	2.1	5.9
1/4	2.1	5.9
crk	2.1	5.9
N	1.1	6.9

H.I

T.P.	14.72	19.39	0.29	7.67
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2+50' E

N	10.1	9.3
crk	11.5	7.9
1/4	12.1	7.3
+ 9	11.3	8.1
N.Rail	11.1	8.3
M	11.2	8.2
+ 5	11.4	8.0
1/4	12.5	6.9
crk	13.1	6.3
S	13.1	6.3

19.39
2+75' E

15

S	12.3	7.1
crk	11.4	8.0
1/4	11.1	8.3
+ 8	11.3	8.1
M	10.7	8.7
N.R	10.6	8.2
+ 4	11.4	8.0
+ 7	11.5	7.9
+ 8	10.8	8.6
1/4	9.5	9.9
crk	8.2	11.2
N	7.5	11.9

3+00 E

N	6.0	13.4
crk	6.3	13.1
+ 5	6.2	13.2
+ 9	7.1	12.3
1/4	8.6	10.8
+ 6	10.2	9.2
+ 7	11.0	8.4
+ 9	10.8	8.6
N.R	10.1	9.3
M	10.2	9.2
+ 5	10.9	8.5
1/4	11.1	8.3
+ 6	11.0	8.4
+ 8	8.6	10.8
crk	8.0	11.4
S	9.3	10.1

1939

3+25

S	7.3	12.1
erb	6.3	13.1
+6	7.1	12.3
+11	10.9	8.5
1/4	10.9	8.5
+8	10.5	8.9
M	9.7	9.7
N.P. 11	9.6	9.8
+4	10.4	9.0
+6	10.6	8.8
+7	9.8	9.6
1/4	8.8	10.6
+3	6.3	13.1
+5	5.0	14.4
erb	5.0	14.4
N	5.1	14.3
3+50		
N	4.2	15.2
erb	4.5	15.9
+9	5.0	14.4
1/4	7.9	11.5
+5	8.8	10.6
+6	9.9	9.5
+7	9.7	9.7
N.P. 11	9.1	10.3
M	9.2	10.2
+5	9.5	9.6
1/4	9.9	9.5
+6	8.2	11.2
+9	4.9	14.5
erb	4.9	14.5
S	5.5	13.9

3+75

16

S	4.8	14.6
erb	4.5	14.9
+8	5.4	14.0
1/4	8.9	10.5
+8	9.4	10.0
M	8.7	10.7
N.P. 11	8.6	10.8
+4	9.3	10.1
+6	9.5	9.9
+7	8.2	11.2
1/4	6.8	12.6
+3	4.9	14.5
erb	4.2	15.2
N.	3.9	15.5
4+00 E		
N	3.7	15.7
erb	4.1	15.3
+10	4.3	15.1
1/4	5.7	13.7
+6	7.7	11.7
+7	8.8	10.6
+9	8.9	10.5
N.P.	8.1	11.3
M	8.2	11.2
+5	8.8	10.6
1/4	7.9	11.5
+8	4.3	15.1
erb	4.0	15.4
S	4.4	15.0

POSTED

19.39
4+25

S	4.4	15.0
erb	4.4	15.0
+7	5.1	14.3
"4	8.0	11.4
+8	8.3	11.1
M	7.7	11.7
N. Hall	7.6	11.8
+4	8.2	10.2
+6	8.5	10.9
+7	7.5	11.9
+10	6.6	12.8
"4	5.0	14.9
+6	9.1	15.3
erb	4.2	15.2
N	3.9	15.5

4+50

N	4.2	15.2
erb	4.4	15.6
+8	4.3	15.1
"4	6.0	12.4
+5	7.2	12.2
+6	8.1	11.3
+9	7.8	11.6
N. Hall	7.1	12.3
M	7.3	12.1
+5	8.0	11.4
"4	7.9	12.0
+7	4.7	14.7
+5	3.9	15.5
erb	3.8	15.6
S	3.7	15.7

4+75

S	4.2	15.2
erb	4.1	15.3
+4	4.2	15.2
+8	5.0	14.4
"4	7.3	12.1
+8	7.5	11.9
M	6.7	12.7
N. Hall	6.6	12.8
+4	7.3	12.1
+7	7.5	11.9
+8	7.0	12.4
"4	5.0	14.4
erb	4.6	14.8
N	4.5	14.9

5+00

N	4.4	15.0
erb	4.6	14.8
"4	4.3	15.1
+5	6.3	13.1
+6	7.1	12.3
+9	6.4	12.5
N. Hall	6.2	13.2
M	6.3	13.1
+5	7.0	12.4
"4	6.6	12.8
+3	5.4	14.0
+8	4.4	15.0
erb	4.4	15.0
S	4.4	15.0

17

19.39

5+25

S	4.4	15.0
erb	4.2	15.2
+5	4.3	15.1
+6	5.1	14.3
14	5.1	14.3
+8	6.6	12.8
M	5.9	13.5
N. Rail	5.7	13.7
+4	6.5	12.9
+6	6.5	12.9
+7	5.7	13.7
14	4.1	15.3
erb	4.5	14.9
N	4.5	14.9

5+50 E

N	4.0	15.4
erb	3.9	16.0
14	4.5	14.9
+5	5.3	14.1
+6	6.3	13.1
+9	6.0	13.4
N. Rail	5.2	14.2
M	5.3	14.1
+5	6.0	13.4
14	5.2	14.2
+4	5.1	14.3
+5	4.2	15.2
erb	4.1	15.3
S	3.9	15.5

18

5+75

S	3.7	15.7
erb	3.6	15.8
+8	3.5	15.9
+9	4.4	14.0
14	4.6	14.8
+8	5.5	13.9
M	4.8	14.6
N. Rail	4.7	14.7
+4	5.4	14.0
+7	5.7	13.7
+8	4.9	14.5
14	3.8	15.6
erb	3.2	16.2
N	3.6	15.8

6+00 E = W.L. Sigsbee St.

N	2.5	16.9
erb	2.5	16.9
14	2.5	16.9
+5	4.0	15.4
+6	5.2	14.2
+9	4.7	14.7
N. Rail	4.2	15.2
M	4.3	15.1
+5	4.6	14.8
+9	5.0	14.4
+10	4.0	15.4
14	3.1	16.3
erb	2.7	16.7
S	2.8	16.6

T.R. on stake S.W. cor Sigsbee 2.81 16.58

11.80 28.38

28.38

4/14/68

Bunker
Spaw
Lambert

W. curb Sigsbee

S	11.6	16.8
crb	12.0	16.4
"4	12.5	15.9
+ 8	13.1	15.3
M	13.0	15.4
N. Rail	12.9	15.5
+ 4	13.0	15.4
"4	12.1	16.3
crb	11.5	16.9
N	11.2	17.2

W "4

N	11.2	17.2
crb	11.6	16.8
"4	12.1	16.3
+ 9	12.7	15.7
N. Rail	12.8	15.6
M	12.8	15.6
+ 5	12.7	15.7
"4	12.3	16.1
crb	11.9	16.5
S	11.8	16.6

center

19

S	11.8	16.6
crb	11.9	16.5
"4	12.1	16.3
+ 8	12.2	16.0
M	12.5	15.9
N. Rail	12.5	15.9
+ 4	12.6	15.8
"4	12.0	16.9
crb	11.4	17.0
N	11.0	17.4
E "4	X	
N	9.2	9.2
crb	10.6	17.8
"4	10.6	17.8
+ 5	11.9	16.5
+ 6	13.5	14.9
+ 9	12.8	15.6
N. Rail	12.3	16.1
M	12.9	16.0
+ 5	12.9	16.0
"4	11.7	16.7
crb	11.5	16.9
S	10.9	17.5

28.35
E. CURB

S	9.8	18.6
+4	9.9	18.5
crb	11.8	18.6
1/4	12.1	16.3
+4	11.9	16.5
+5	13.0	15.4
+8	12.8	15.6
M	12.2	16.2
N. Fall	12.1	16.3
+4	12.8	15.6
+7	13.0	15.4
+8	12.1	16.3
1/4	8.7	19.7
crb	9.6	18.8
N	8.9	19.5

E.L. SIGSBEE

N	8.3	20.1
crb	8.6	19.8
1/4	9.0	19.4
+3	9.2	19.2
+5	12.0	16.4
+6	12.9	15.5
+9	12.6	15.8
N. Fall	11.9	16.5
M	12.0	16.4
+5	12.5	15.9
+8	12.8	15.6
+9	12.1	16.3
1/4	12.1	16.3
crb	11.6	16.8
+5	10.8	17.6
+6	9.6	18.8
S	9.6	18.8

0+25 E.

20

S	8.8	18.6
crb	8.5	19.9
+5	11.2	17.2
1/4	11.7	16.7
+8	12.1	16.3
M	11.4	17.0
N. Fall	11.3	17.1
+4	12.1	16.3
+7	12.2	16.2
+8	10.8	17.6
1/4	8.8	19.6
crb	8.0	20.4
N	7.1	21.3

0+50

N	6.7	21.7
crb	7.4	21.0
1/4	8.1	20.3
+5	10.5	17.9
+6	11.7	16.7
+9	11.5	16.9
N. Fall	10.7	17.7
M	10.8	17.6
+5	11.5	16.9
1/4	10.8	17.6
+8	10.6	17.8
crb	8.0	20.4
S	8.0	20.4

110
 S
 crb
 "A
 +2
 +6
 +8
 M
 N. Fall
 +4
 +7
 +8
 "A
 +8
 crb
 N

 N
 crb
 +6
 +7
 "A
 +5
 +6
 +9
 N. Fall
 M
 +5
 +9
 +11
 "A
 crb
 S

28.38
 0+75 E
 7.6 20.8
 7.3 21.1
 8.2 20.2
 8.1 20.3
 11.1 17.3
 10.9 17.5
 10.2 18.2
 10.2 18.2
 10.8 17.6
 11.1 17.3
 10.1 18.3
 8.3 20.1
 6.5 21.9
 6.6 21.8
 5.7 22.7

1+00 E
 5.4 23.0
 5.8 22.6
 6.1 22.3
 7.9 21.0
 8.0 20.4
 8.8 19.6
 10.5 17.9
 10.3 18.1
 9.6 18.8
 9.6 18.8
 10.3 18.1
 10.5 17.9
 7.9 20.5
 7.8 20.6
 6.5 21.9
 6.7 21.7

S
 crb
 +5
 "A
 +5
 +6
 +8
 M
 N. Fall
 +4
 +7
 +8
 "A
 +3
 +5
 crb
 N

1+25
 5.7 22.7
 5.2 23.2
 7.3 21.1
 7.2 21.2
 8.0 20.4
 9.9 18.5
 9.7 18.7
 9.2 19.2
 9.0 19.4
 9.7 19.7
 10.0 18.4
 2.5 19.9
 7.8 20.6
 7.5 20.9
 5.7 22.7
 5.5 22.9
 5.1 23.3

N
 crb
 "A
 +1
 +6
 +7
 +9
 N. Fall
 M
 +5
 +8
 +10
 "A
 +4
 +8
 crb
 S

1+50
 4.4 24.0
 4.9 23.5
 5.9 23.0
 7.1 21.3
 8.3 20.1
 9.9 19.0
 9.2 19.2
 8.9 20.0
 8.6 19.8
 9.2 19.2
 9.2 19.2
 6.3 22.1
 5.7 22.7
 6.5 21.9
 5.3 23.1
 5.4 23.0
 5.8 22.6

28.38

1+75

5	5.0	23.4
crb	4.7	23.7
+ 8	4.6	23.8
+ 10	5.5	22.9
14	1.9	23.5
+ 4	5.7	22.7
+ 5	8.8	19.6
+ 8	8.6	19.8
M	8.1	20.3
N Fall	7.9	20.5
+ 4	8.6	19.8
+ 7	8.8	19.6
+ 8	7.6	20.8
14	5.2	23.2
+ 2	4.2	24.2
crb	4.5	23.9
N	3.8	24.6

2+00 E

N	3.3	25.1
crb	4.1	24.3
14	4.2	24.2
+ 4	5.0	23.4
+ 6	8.3	20.1
+ 9	8.2	20.2
N Fall	7.5	20.9
M	7.5	20.9
+ 5	8.1	20.3
+ 7	8.3	20.1
+ 8	4.8	23.6
14	3.8	24.6
crb	4.4	24.0
S	4.6	23.8

2+25 E

S	3.9	24.5
crb	3.8	24.6
14	4.0	24.4
+ 5	4.3	24.1
+ 6	8.0	20.4
+ 8	7.8	20.6
M	7.2	21.2
N Fall	7.0	21.4
+ 4	7.7	20.7
+ 7	7.9	20.5
+ 8	5.7	22.7
14	3.3	25.1
+ 3	2.6	25.8
crb	3.2	25.2
N	3.0	25.4

2+50 E

N	2.2	26.2
crb	2.4	26.0
14	2.5	25.9
+ 3	3.5	24.9
+ 6	7.4	21.6
+ 9	7.2	21.2
N Fall	6.5	21.9
M	6.5	21.9
+ 4	7.2	21.2
+ 7	7.2	21.2
+ 9	3.9	24.5
14	3.8	24.6
crb	3.2	25.2
S	3.3	25.1

22

28.38

2+75

S		2.4	26.0
crb		2.5	25.9
+5		2.5	25.9
+6		3.2	25.2
1/4		3.6	25.4
+4		3.4	25.0
+6		7.0	21.4
+8		6.7	21.7
M		6.1	22.3
N		6.0	22.4
N		6.8	21.6
+7		7.0	21.4
+10		3.0	25.4
1/4		2.0	26.4
+2		1.5	26.9
crb		1.5	26.9
N		1.0	27.4
T.P.	7.74	35.25	0.87
			27.51

3+00 E

N		7.1	28.2
crb		7.5	27.8
1/4		7.8	27.5
+3		8.7	26.6
+5		13.4	21.9
+9		13.1	22.2
N		13.3	23.0
M		12.4	22.9
+5		13.0	22.3
+7		13.1	22.2
+9		9.2	25.5
1/4		9.8	25.5
+5		9.5	25.8
+9		8.9	26.4
crb		8.9	26.4
S		8.9	26.4

35.25

3+25 E

S		8.6	26.7
crb		8.3	27.0
+4		8.3	27.0
+5		9.0	26.3
1/4		8.9	26.4
+1		9.4	25.9
+6		12.7	22.6
+8		12.5	22.8
M		12.0	23.3
N		11.9	23.4
+4		12.6	22.7
+8		12.7	22.6
+9		9.5	25.8
1/4		7.8	27.5
+2		7.0	28.3
crb		6.9	28.4
N		6.7	28.6

3+50

N		5.9	29.9
crb		6.2	29.1
1/4		6.1	29.2
+3		7.5	27.8
+5		12.3	23.0
+9		12.1	23.2
N		11.3	24.0
M		11.5	23.8
+5		12.0	23.3
+7		12.2	23.1
+10		8.4	26.9
1/4		7.9	27.4
+9		8.3	27.0
+10		7.7	27.6
crb		7.7	27.6
S		8.1	27.2

23

POSTED

35.25

3+75

S	7.3	28.0
crb	7.1	28.2
+2	7.1	28.2
+3	7.8	27.5
14	7.6	27.7
+3	7.9	27.9
+5	11.8	23.5
+8	11.6	23.7
M	10.9	24.4
N. rail	10.9	24.4
+4	11.5	23.8
+7	11.7	23.6
+9	7.4	27.9
14	6.4	28.9
+7	5.7	29.6
crb	6.0	29.3
N	5.5	29.8

4+00 E

N	5.2	30.1
crb	5.7	29.6
+6	5.7	29.6
14	6.6	28.7
+2	7.3	28.0
+5	7.8	25.5
+6	11.2	24.1
+9	11.0	24.3
N. rail	10.3	25.0
M	10.5	24.8
+5	11.0	24.3
+7	11.2	24.1
+9	8.9	26.4
14	7.4	27.9
+7	7.4	27.9
+8	6.5	28.8
crb	6.6	28.7
S	6.6	28.7

4+25

S	6.5	28.8
crb	7.8	27.5
14	8.7	26.6
+3	8.5	26.8
+6	10.7	24.6
+8	10.6	24.7
M	10.8	25.3
N. rail	9.8	25.5
+4	10.6	24.7
+8	10.8	24.5
+9	9.0	26.3
14	6.9	28.4
crb	6.1	29.2
N	5.2	30.1

4+50

N	5.1	30.2
crb	5.3	30.0
+11	5.2	30.1
14	5.7	29.6
+2	6.4	28.9
+3	8.4	26.9
+5	10.4	24.9
+9	10.2	25.1
N. rail	9.4	25.9
M	9.4	25.9
+5	10.1	25.2
+7	10.4	24.9
+10	7.2	28.1
14	7.1	28.2
+7	7.1	28.2
+8	5.9	29.4
crb	6.0	29.3
S	6.3	29.0

24

	35.25		
	1+75		
S	5.9	29.4	
crb	5.8	29.5	
+6	5.7	29.6	
+7	6.6	28.7	
14	6.8	28.5	
+4	6.8	28.5	
+6	9.8	25.5	
+8	9.7	25.6	
M	9.1	26.2	
N fail	9.0	26.3	
+4	9.7	25.6	
+7	10.0	25.3	
+9	8.3	27.0	
+10	6.5	28.8	
14	6.1	29.2	
+3	5.3	30.0	
crb	5.2	30.1	
N	5.0	30.3	
	5+00		
N	4.7	30.6	
crb	5.1	31.2	
+11	5.0	30.3	
14	5.8	29.5	
+3	6.4	28.9	
+4	8.1	27.2	
+6	7.7	25.6	
+9	9.3	26.0	
N fail	8.6	26.7	
M	8.7	26.6	
+5	9.2	26.1	
+7	9.3	26.0	
+8	6.4	28.9	
14	5.8	29.5	
+5	6.2	29.1	
+6	5.7	29.6	
crb	5.5	29.8	
S	5.6	29.7	

	5+25		
S	5.6	29.7	
crb	5.4	29.9	
14	5.7	29.6	
+3	6.1	29.2	
+5	8.8	26.5	
+8	8.9	26.4	
M	8.4	26.9	
N fail	8.3	27.0	
+4	8.9	26.4	
+6	9.2	26.1	
+7	8.0	27.3	
14	4.8	30.5	
crb	5.0	30.3	
N	4.2	31.1	
	5+50		
N	4.8	31.0	
crb	4.9	30.4	
14	4.7	30.6	
+5	8.6	26.7	
+9	8.5	26.8	
N fail	7.8	27.5	
M	7.9	27.4	
+5	8.4	26.9	
+7	8.5	26.8	
+8	6.2	29.1	
14	5.9	29.4	
crb	5.5	29.8	
S	5.4	29.9	

25

35.25

5+75

S	5.8	29.5
erb	5.6	29.7
"A	5.9	29.4
+5	6.2	29.1
+6	8.4	26.9
+8	8.4	26.9
M	7.5	27.8
N. Tail	7.4	27.9
+4	8.1	27.2
+7	8.4	26.9
"A	5.3	30.0
+3	4.4	30.9
erb	4.8	30.5
N	4.5	30.8
6+00 = W.L. Beardsley		
N	4.6	30.7
erb	5.3	30.0
+9	5.0	30.3
+10	5.9	29.4
"A	6.1	29.2
+5	8.0	27.3
+9	7.7	27.6
N. Tail	7.1	28.2
M	7.3	28.0
+5	7.8	27.5
+7	7.9	27.4
+10	5.4	29.9
"A	5.1	30.2
erb	5.6	29.7
S	6.4	28.9

W. Curb Beardsley

26

S	6.2	29.1
erb	5.5	29.8
"A	5.6	29.7
+6	7.6	27.7
+8	7.0	27.7
M	7.2	28.1
N. Tail	7.0	28.3
+4	7.6	27.7
"A	6.6	28.7
+4	5.7	29.6
erb	5.7	29.6
N	5.0	30.3
W "A		
N	5.7	29.6
erb	6.2	29.1
"A	6.7	28.6
+9	7.2	28.1
N. Tail	6.9	28.4
M	7.1	28.2
+5	7.6	27.7
"A	8.4	26.9
erb	9.1	25.2
S	9.6	25.7

35.25

Center

S	7.0	28.3
crb	7.8	27.5
1/4	7.6	27.7
+8	6.7	28.6
M	6.7	28.6
N. Tail	6.7	28.6
+4	6.9	28.4
1/4	6.9	28.4
crb	6.5	28.8
N	6.2	29.1
	E 1/4	
N	6.0	29.3
crb	6.4	28.9
1/4	6.5	28.8
+9	6.6	28.7
N. Tail	6.6	28.7
M	6.6	28.7
+5	6.7	28.6
1/4	7.4	27.9
crb	7.6	27.7
S	7.8	27.5

E. curb

S	6.2	29.1
crb	6.0	29.3
1/4	6.4	28.9
+8	7.1	28.2
M	6.6	28.7
N. Tail	6.4	28.9
+4	7.1	28.2
1/4	5.8	29.5
crb	5.6	29.7
N	4.7	30.6

E.L. Beardsley

N	4.4	30.9
crb	4.6	30.7
1/4	4.5	30.8
+5	7.0	28.3
+9	7.0	28.3
N. Tail	6.3	29.0
M	6.4	28.9
+5	7.0	27.3
1/4	6.3	29.0
+3	5.0	30.3
crb	5.6	29.7
S	5.8	29.5

27

35.25

0+25' E

S	5.9	29.4
erb	5.8	29.5
1/4	5.4	29.9
+6	6.8	28.5
+8	6.7	28.6
M	6.0	29.3
N. Tail	5.9	29.4
+4	6.7	28.6
+8	6.0	29.3
1/4	4.7	30.6
+2	4.3	31.0
erb	4.5	30.8
N	4.3	31.0

0+50' E

N	4.1	21.2
erb	4.6	30.7
1/4	4.4	30.9
+3	5.8	29.5
+9	6.5	28.8
N. Tail	5.7	29.6
M	5.8	29.5
+5	6.4	28.9
1/4	5.1	30.2
erb	5.4	29.9
S	5.5	29.8

0+75

S	5.2	30.1
erb	5.1	30.2
1/4	4.5	30.8
+3	5.6	29.7
+8	6.2	29.1
M	5.6	29.7
N. Tail	5.5	29.8
+4	6.3	29.0
1/4	4.5	30.8
erb	4.6	30.7
N	4.0	31.3

1+00 E

N	3.7	31.6
erb	4.1	31.2
1/4	4.3	31.0
+3	4.5	30.8
+7	6.1	29.2
+9	6.2	29.1
N. Tail	5.4	29.9
M	5.5	29.8
+5	6.0	29.3
+8	5.4	29.9
1/4	4.9	30.4
+2	4.6	30.7
erb	5.0	30.3
S	5.0	30.3

28

	35.25			
	1+25			
S		5.1	30.2	
erb		4.9	30.4	
HA		4.4	30.9	
+6		5.9	29.4	
+8		5.8	29.5	
M		5.2	30.1	
N. tail		5.2	30.1	
+4		6.1	29.2	
HA		4.4	30.9	
erb		4.1	31.2	
N		3.7	31.6	
	1+50			
N		3.9	31.4	
erb		4.4	30.9	
HA		4.8	30.5	
+9		5.7	29.6	
N. tail		5.0	30.3	
M		5.2	30.1	
+5		5.7	29.6	
HA		4.7	30.6	
erb		5.5	29.8	
S		5.6	29.7	
T. P.	6.20	36.34	5.11	30.14

	36.34			
	1+75			
S		6.2	30.1	
erb		6.6	29.7	
HA		6.4	29.9	
+8		6.5	29.8	
M		6.0	30.3	
N. tail		5.9	30.4	
+4		6.6	29.7	
HA		5.9	30.4	
erb		5.8	30.5	
S		5.9	30.9	
	2+00 E			
S		5.5	30.8	
erb		5.8	30.5	
HA		5.9	30.4	
+9		6.4	29.9	
N. tail		5.8	30.5	
M		5.9	30.4	
+5		6.6	29.7	
HA		6.7	29.6	
erb		6.7	29.6	
S		6.8	29.5	

36.34

2+75

S	6.9	29.4
erb	6.7	29.6
1/4	6.8	29.5
+8	6.9	29.9
M	5.7	30.5
N. rail	5.6	30.7
+4	6.4	29.9
1/4	5.8	30.5
erb	5.8	30.5
N	5.6	30.7
N	5.3	31.0
erb	5.9	30.4
1/4	5.9	30.4
+9	6.2	30.1
N. rail	5.5	30.8
M	5.6	30.7
+5	6.2	30.1
1/4	6.7	29.6
erb	6.8	29.5
S	7.1	29.2

2+50

2+75

30

S	7.0	29.3
erb	6.7	29.6
1/4	6.5	29.8
+8	6.1	30.2
M	5.4	30.9
N. rail	5.4	30.9
+4	6.0	30.3
1/4	5.8	30.5
erb	5.6	30.7
N	5.2	30.1
N	4.9	31.4
erb	5.4	30.9
1/4	5.5	30.8
+9	5.9	30.4
N. rail	5.3	31.0
M	5.4	31.9
+5	5.8	30.5
1/4	6.4	29.9
erb	6.7	29.6
S	6.9	29.4

3+00

36.34
3+25

S	7.1	29.2
erb	6.8	29.5
1/4	6.7	29.6
+5	5.7	30.6
M	5.2	31.1
N. Tail	5.1	31.2
+4	5.8	30.5
1/4	5.6	30.7
erb	5.6	30.7
N	5.1	31.2
N	5.1	31.2
erb	5.5	30.8
1/4	5.7	30.6
+9	5.8	30.5
N. Tail	5.0	31.3
M	5.1	31.2
+5	5.6	30.7
1/4	6.6	29.7
erb	6.7	29.6
S	7.2	29.1

3+50

31

S	7.2	29.1
erb	6.3	30.0
1/4	6.2	30.1
+8	5.5	30.8
M	5.0	31.3
N. Tail	4.9	31.4
+4	5.7	30.6
1/4	5.5	30.8
erb	5.2	31.1
N	4.9	31.4
N	4.7	31.6
erb	5.2	31.1
1/4	5.5	30.8
+9	5.6	30.7
N. Tail	4.8	31.5
M	4.9	31.4
+5	5.9	30.9
1/4	6.6	29.7
erb	6.5	29.8
S	6.5	29.8

4+00

POSTED

36.34

4+25

S	7.0	29.3
erb	6.5	29.8
1/4	6.3	30.6
+8	5.3	31.0
M	4.7	31.6
N. Tail	4.6	31.7
+4	5.4	30.9
1/4	5.9	30.9
erb	5.2	30.1
N	4.6	31.7

4+50

N	4.4	31.9
erb	5.0	31.3
1/4	5.2	31.1
+9	5.1	31.2
N. Tail	4.4	31.9
M	4.6	31.7
+5	5.2	31.2
1/4	6.3	30.0
erb	6.2	30.0
S	6.7	29.6

32

4+75

S	6.2	30.1
erb	6.1	30.2
1/4	5.7	30.6
+8	5.0	31.3
M	4.4	31.9
N. Tail	4.3	32.0
+4	5.0	31.3
1/4	4.8	31.5
erb	4.8	31.5
N	4.0	32.3
N	3.8	32.5
erb	4.6	31.7
1/4	4.6	31.7
+8	4.7	31.6
M	4.1	32.2
N. Tail	4.2	32.1
+5	4.8	31.5
1/4	5.3	31.0
erb	5.9	30.4
S	5.8	30.5

	36.34		
	5+25		
S		5.4	30.9
erb		5.7	30.6
1/4		4.6	31.7
+ 8		4.6	31.7
M		4.0	32.3
N. rail		3.9	32.4
+ 4		4.6	31.7
1/4		4.4	31.9
erb		4.3	32.0
N		3.8	32.5
	5+50		
N		3.3	33.0
erb		3.9	32.4
1/4		4.2	32.1
+ 9		4.5	31.8
N. rail		3.7	32.6
M		3.8	32.5
+ 5		4.4	31.9
1/4		4.6	31.7
erb		5.4	30.9
S		5.0	31.3

	5+75		
S		4.6	31.7
erb		5.0	31.8
1/4		4.2	32.1
+ 8		4.3	32.0
M		3.6	32.7
N. rail		3.5	32.8
+ 4		4.2	32.1
1/4		3.9	32.4
erb		3.6	32.7
N		3.1	33.2
	6+00 = W.L. Crosby		
N		2.9	33.4
erb		3.4	32.9
1/4		4.0	32.3
+ 9		4.0	32.3
N. rail		3.4	32.9
M		3.5	32.8
+ 5		4.1	32.2
1/4		4.3	32.0
erb		4.3	32.0
S		4.7	31.6

W. curb Crosby

S	4.7	31.6
crb	4.4	31.9
1/4	4.4	31.9
+ 9	3.8	32.5
M	3.5	32.8
N Rail	3.4	32.9
+ 5	3.7	32.6
1/4	3.7	32.6
crb	3.4	32.9
N	3.2	33.1
	W 1/4	
N	3.4	32.9
crb	3.5	32.8
1/4	4.0	32.3
+ 8	3.7	32.6
N Rail	3.4	32.9
M	3.4	32.9
+ 4	3.7	32.6
1/4	4.2	32.1
crb	4.3	32.0
S	4.6	31.7

center

S	4.2	32.1
crb	4.2	32.1
1/4	4.2	32.1
+ 9	3.5	32.8
M	3.3	33.0
N Rail	3.3	33.0
+ 5	3.5	32.8
1/4	3.7	32.6
crb	3.6	32.7
N	3.2	33.1
	E 1/4	
N	2.8	33.5
crb	3.3	33.0
1/4	3.5	32.8
+ 8	3.5	32.8
N Rail	3.3	33.0
M	3.3	33.0
+ 4	3.7	32.6
1/4	3.9	32.4
crb	4.2	32.1
S	4.2	32.1

36.34

E CURB

S	4.3	32.0
crb	4.0	32.3
1/4	3.9	32.9
+ 9	3.9	32.4
M	3.4	32.9
N tail	3.3	33.0
+ 5	3.7	32.6
1/4	3.3	33.0
crb	3.3	33.0
N	2.7	33.6

E. L. Crosby

N	2.8	33.5
crb	3.3	33.0
1/4	3.1	33.2
+ 8	3.8	32.5
N. Tail	3.3	33.0
M	3.4	32.9
+ 4	3.9	32.4
1/4	3.3	33.0
crb	3.7	32.6
S.	4.3	32.0

0 + 25 E

35

S	4.4	31.9
crb	3.9	32.4
1/4	3.7	32.6
+ 9	3.9	32.4
M	3.4	32.9
N. Tail	3.3	33.0
+ 5	3.9	32.4
1/4	3.1	33.2
crb	3.3	33.0
N	2.8	33.5

0 + 50

N	2.8	33.5
crb	3.3	33.0
1/4	3.4	32.9
+ 8	4.0	32.3
N. Tail	3.9	32.9
M	3.5	32.8
+ 4	4.0	32.3
1/4	4.1	32.2
crb	4.1	32.2
S	5.1	31.2

POSTED

	3634		
S	0+75	6.0	30.3
crb		5.0	31.3
1/4		5.1	31.2
+9		4.1	32.2
M		3.5	32.8
Nrail		3.4	32.9
+5		4.2	32.1
1/4		3.6	32.7
crb		3.4	32.9
N		3.1	32.2
	1+00	3.8	32.5
N		4.0	32.3
crb		4.6	31.7
1/4		4.2	32.1
+8		3.5	32.8
Nrail		3.6	32.7
M		4.2	32.1
+4		6.1	30.2
1/4		6.2	30.1
crb		6.6	29.7
S			

	1+25		
S		6.9	29.4
crb		6.5	29.8
1/4		6.3	30.0
+9		4.3	32.0
M		3.7	32.6
Nrail		3.6	32.7
+5		4.3	32.0
1/4		5.4	30.9
crb		5.1	31.2
N		5.0	31.3
	1+50	5.1	31.2
N		5.2	31.1
crb		5.2	31.1
1/4		4.4	31.9
+8		3.6	32.7
Nrail		3.7	32.6
M		4.5	31.8
+4		6.2	30.1
1/4		6.3	30.0
crb		6.5	29.8
S			

36

POSTED

36.34

1+75

S	6.1	30.2
erb	6.1	30.2
1/4	6.2	30.1
+9	4.5	31.8
M	3.9	32.4
N. rail	3.8	32.5
+5	4.5	31.8
1/4	5.2	31.1
erb	5.0	31.3
N	5.0	31.3
2+00		
N	4.7	31.6
erb	4.6	31.7
1/4	4.5	31.8
+8	4.5	31.8
N. rail	3.8	32.5
M	3.9	32.4
+4	4.5	31.8
1/4	5.5	30.8
erb	5.2	30.1
S	5.8	30.5

2+25

S	5.6	30.7
erb	5.1	31.2
1/4	4.8	31.5
+9	4.5	31.8
M	3.9	32.4
N. rail	3.8	32.5
+4	4.4	31.9
1/4	4.0	32.3
erb	4.0	32.3
N	4.1	32.2
2+50		
N	3.8	32.5
erb	3.8	32.5
1/4	4.3	32.0
+8	4.3	32.0
N. rail	3.8	32.5
M	3.9	32.4
+4	4.5	31.8
1/4	4.8	31.5
erb	5.1	31.2
S	5.4	30.9
T.P.	5.04	36.16
	5.22	31.12

37

36.16

2+75

5	5.0	31.2
crb	4.7	31.5
1/4	4.5	31.7
+ 9	4.2	32.0
M	3.7	32.5
N. Rail	3.7	32.5
+ 5	4.3	31.9
1/4	3.9	32.3
crb	3.5	32.4
N	3.7	32.5
	3+00	
N	4.2	32.0
crb	4.5	31.7
1/4	4.4	31.8
+ 8	4.3	31.9
N. Rail	3.7	32.5
M	3.8	32.4
+ 4	4.6	31.6
1/4	4.9	31.3
crb	5.2	31.0
S	5.1	31.1

38

3+25

5	6.0	30.2
crb	5.3	30.9
1/4	6.1	30.1
+ 9	4.6	31.6
M	3.8	32.4
N. Rail	3.7	32.5
+ 5	4.5	31.7
1/4	5.0	31.2
crb	4.9	31.3
N	4.8	31.4
	3+50	
N	5.1	31.1
crb	5.0	31.2
1/4	5.2	31.0
+ 8	4.6	31.6
N. Rail	3.8	32.4
M	4.0	32.2
+ 4	4.7	31.5
1/4	6.4	29.8
crb	6.2	30.0
5	6.5	29.7

	36.16		
	3+75		
S	6.6	29.6	
erb	6.0	30.2	
1/4	6.0	30.2	
+9	4.7	31.5	
M	4.0	32.2	
N tail	3.9	32.3	
+5	4.6	31.6	
1/4	5.2	31.0	
erb	4.9	31.3	
N	5.0	31.2	
	4+00		
N	4.7	31.5	
erb	5.0	31.2	
1/4	5.2	31.0	
+8	4.6	31.6	
N tail	4.0	32.2	
M	4.1	32.1	
+4	4.7	31.5	
1/4	5.9	30.3	
erb	6.1	29.1	
S	6.5	29.7	

	4+25		
S	6.2	30.0	
erb	6.1	30.1	
1/4	5.8	30.4	
+9	4.8	31.4	
M	4.1		
N tail	4.0	32.2	
+5	4.8	31.4	
1/4	4.3	31.9	
erb	4.8	31.4	
N	4.7	31.5	
	4+50		
N	4.7	31.5	
erb	4.7	31.5	
1/4	4.2	32.0	
+8	4.9	31.3	
N tail	4.1	32.1	
M	4.1	32.1	
+4	4.7	31.5	
1/4	5.8	30.4	
erb	5.9	30.3	
S	6.3	29.9	

36.16

4+75

S	6.0	30.2
erb	5.9	30.3
1/4	5.6	30.6
+9	4.9	31.3
M	4.1	32.1
N rail	4.1	32.1
+5	4.8	31.4

1/4	4.2	32.0
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erb	4.8	31.9
-----	-----	------

N	4.6	31.6
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5+00

N	4.6	31.6
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erb	4.6	31.6
-----	-----	------

1/4	4.2	32.0
-----	-----	------

+8	4.7	31.5
----	-----	------

N rail	4.1	32.1
--------	-----	------

M	4.1	32.1
---	-----	------

+4	4.8	31.4
----	-----	------

1/4	5.7	30.5
-----	-----	------

erb	5.9	30.3
-----	-----	------

S	5.8	30.4
---	-----	------

5+25

40

S	6.3	29.9
---	-----	------

erb	5.8	30.4
-----	-----	------

1/4	5.6	30.6
-----	-----	------

+9	4.8	31.4
----	-----	------

M	4.1	32.1
---	-----	------

N rail	4.1	32.1
--------	-----	------

+5	4.7	31.5
----	-----	------

1/4	4.1	31.1
-----	-----	------

erb	4.5	31.7
-----	-----	------

N	4.4	31.8
---	-----	------

5+50

N	4.3	31.9
---	-----	------

erb	4.5	31.7
-----	-----	------

1/4	4.2	32.0
-----	-----	------

+8	4.6	31.6
----	-----	------

N rail	4.1	32.1
--------	-----	------

M	4.1	32.1
---	-----	------

+4	4.6	31.6
----	-----	------

1/4	5.5	30.7
-----	-----	------

erb	5.9	30.3
-----	-----	------

S	5.7	30.5
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POSTED

	36.16		
	5+75		
S	5.4	30.8	
crk	5.8	30.4	
1/4	5.3	30.9	
+9	9.6	31.6	
M	4.1	32.1	
N.Y. 11	4.1	32.1	
+5	4.5	31.7	
1/4	4.0	32.2	
crk	4.2	32.0	
N	4.0	32.2	
	6+00 = N.L. Dewey		
N	3.9	32.3	
crk	3.9	32.3	
1/4	3.7	32.5	
+8	4.3	31.9	
N.Y. 11	4.1	32.1	
M	4.1	32.1	
+4	4.4	31.8	
1/4	4.8	31.4	
crk	5.6	30.6	
S	5.5	30.7	

T. P. 5.14 39.36 1.94 34.22

Dewey to be graded

	39.36	4/17/08	
	E.L. Dewey		
S	8.1	31.3	
crk	7.9	31.5	
1/4	7.4	32.0	
+9	7.7	31.7	
M	7.1	32.3	
N.Y. 11	7.0	32.4	
+5	7.6	31.8	
1/4	6.5	32.9	
crk	6.7	32.7	
N	6.3	33.1	
	0+25'		
N	6.3	33.1	
crk	6.6	32.8	
1/4	6.2	33.2	
+8	7.5	31.9	
N.Y. 11	6.9	32.5	
M	7.0	32.4	
+4	7.6	31.8	
1/4	7.4	32.0	
crk	7.8	31.6	
S	8.1	31.3	

Dewey
Spaw
Lambert
41

	39.36		
	0+50		
S		8.0	31.4
erb		7.7	31.7
1/4		7.5	31.9
+9		7.2	32.2
M		6.8	32.6
N. Rail		6.7	32.7
+5		7.2	32.2
1/4		6.5	32.9
erb		6.8	33.1
N		6.2	33.2
	0+75		
N		6.4	33.0
erb		6.5	32.9
1/4		6.5	32.9
+8		7.0	32.4
N. Rail		6.4	33.0
M		6.5	32.9
+4		7.1	32.3
1/4		7.7	31.7
erb		7.9	31.5
S		7.8	31.6

	7+00		
S		7.8	31.6
erb		7.4	32.0
1/4		7.6	31.8
+9		6.9	32.5
M		6.3	32.1
N. Rail		6.2	32.2
+5		6.9	32.5
1/4		6.4	33.0
erb		6.5	32.9
N		6.2	33.2
	1+25		
N		6.1	33.3
erb		6.3	33.1
1/4		6.3	33.1
+5		6.6	32.8
N. Rail		5.9	33.5
M		6.0	33.4
+4		5.7	33.7
1/4		7.2	32.2
erb		7.2	32.2
S		7.6	31.8

3936

1+50

S	7.4	32.0
erb	7.2	32.2
1/4	7.1	32.3
+9	6.2	33.2
M	5.8	33.6
N. 1311	5.7	33.7
+5	6.9	33.0
1/4	6.1	33.3
erb	5.7	33.7
N	5.2	34.2
N	5.2	34.2
erb	5.6	33.8
1/4	5.9	33.5
+8	6.2	33.2
N. 1311	5.5	33.9
M	5.5	33.9
+4	6.1	33.3
1/4	6.9	32.5
erb	7.1	32.3
S	7.4	32.0

1+70

2+00

S	7.1	32.3
erb	7.0	32.4
1/4	6.9	32.5
+9	5.9	33.5
M	5.2	34.2
N. 1311	5.2	34.2
+5	5.9	33.5
1/4	5.7	33.7
erb	5.4	34.0
N	5.0	34.4
N	4.7	34.7
erb	5.2	34.2
1/4	5.4	34.0
+8	5.7	33.7
N. 1311	5.0	34.4
M	5.0	34.4
+9	5.7	33.7
1/4	6.5	32.9
erb	6.8	32.6
S	7.2	32.2

2+25

43

	39.36		
	2+5.0		
S	7.2	32.2	
erb	6.7	32.7	
1/4	6.5	32.9	
+9	5.4	34.0	
M	4.8	34.6	
N, B, I	4.7	34.7	
+5	5.5	33.9	
1/4	5.1	34.3	
erb	4.8	34.6	
N	4.9	35.0	
	2+7.5		
N	3.9	35.5	
erb	4.3	35.1	
1/4	4.8	34.6	
+8	5.2	34.2	
N, B, I	4.5	34.9	
M	4.6	34.8	
+4	5.2	34.2	
1/4	6.2	33.2	
erb	6.5	32.9	
S	7.1	32.3	

	3+0.0		44
S	7.0	32.4	
erb	6.3	33.1	
1/4	6.0	33.4	
+9	5.0	34.4	
M	4.3	35.1	
N, B, I	4.2	35.2	
+5	4.9	34.5	
1/4	4.6	34.8	
erb	4.4	35.0	
N	3.9	35.5	
	3+2.5		
N	3.5	35.9	
erb	3.9	35.5	
1/4	4.4	35.0	
+8	4.7	34.7	
N, B, I	4.0	35.4	
M	4.1	35.3	
+4	4.7	34.7	
erb	5.7	33.7	
1/4	6.1	33.3	
S	6.8	32.6	

3936

3+50

S	6.3	33.1
Crk	5.8	33.6
1/4	5.2	34.2
+9	4.4	35.0
M	3.7	35.7
N.Y. 11	3.7	35.7
+5		
1/4	4.4	35.0
Crk	4.1	35.3
N	3.8	35.6
N	3.1	36.3
N	2.7	36.7
Crk	3.2	36.2
1/4	3.5	35.9
+8	4.0	35.4
N.Y. 11	3.3	36.1
M	3.4	36.0
+4	4.2	35.2
1/4	4.6	34.8
Crk	5.2	34.2
S	6.1	33.3

3+75

4+0.0

45

S	5.2	34.2
Crk	5.1	34.3
1/4	4.3	35.1
+9	3.8	35.6
M	3.1	36.3
N.Y. 11	3.0	36.4
+5	3.7	35.7
1/4	3.4	36.0
Crk	3.0	36.4
N	2.9	37.0
N	2.2	37.2
Crk	2.7	36.7
1/4	3.0	36.4
+8	3.3	36.1
N.Y. 11	2.7	36.7
M	2.9	36.5
+4	3.5	35.9
1/4	3.8	35.6
Crk	4.5	34.9
S	4.8	34.6

4+2.5

POSTED

3936

4+50

S	4.6	34.8
erb	4.3	35.1
1/4	3.6	35.8
+9	3.2	36.2
M	2.5	36.9
N. Rail	2.4	37.0
+5	3.1	36.3
1/4	2.6	36.8
erb	2.4	37.0
N.	2.0	37.4
N	1.8	37.6
erb	1.8	37.6
1/4	2.3	37.1
+8	2.9	36.5
N. Rail	2.2	37.2
M	2.3	37.1
+4	2.9	36.5
1/4	3.3	36.1
erb	3.7	35.7
S	4.2	35.2

4+75

5+00

46

S	4.1	35.3
erb	3.1	36.3
1/4	3.1	36.3
+9	2.6	36.8
M	2.0	37.4
N. Rail	1.9	37.5
+5	2.6	36.8
1/4	2.1	37.3
erb	1.7	37.7
N	1.6	37.6
N	0.9	38.5
erb	1.6	37.8
1/4	1.9	37.5
+8	2.3	37.1
N. Rail	1.7	37.7
M	1.8	37.6
+4	2.3	37.1
1/4	3.4	36.0
erb	3.3	36.1
S	3.9	35.5

5+25

3936

5+50

S	3.5	35.9
crb	3.0	36.4
1/4	3.1	36.3
+9	2.3	37.1
M	1.6	37.8
N rail	1.5	37.9
+5	2.1	37.3
1/4	1.6	37.8
crb	1.9	38.0
N	1.0	38.4

5+75

N	0.5	38.9
crb	1.1	38.3
1/4	1.2	38.2
+8	1.8	37.6
N rail	1.3	38.1
M	1.4	38.0
+4	2.1	37.3
1/4	2.6	36.8
crb	2.9	37.0
S	2.2	37.2

6+00 = W.L. EVANS

47

S	1.7	37.7
crb	2.0	37.4
1/4	1.7	37.7
+9	1.6	37.8
M	1.3	38.1
N rail	1.2	38.2
+5	1.4	38.0
1/4	0.6	38.8
crb	0.3	39.1
N	-0.2	39.6

T.P.	4.56	42.04	1.88	37.48
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EVANS Graded

42.04

E.L. Evans

N	1.7	40.3
erb	2.5	39.5
1/4	2.0	40.0
+ 8	3.7	38.1
N. 1311	3.5	38.5
M	3.6	38.4
+ A	3.8	38.2
1/4	4.2	37.8
erb	3.6	38.4
S	4.2	37.8
O + 25		
S	3.7	38.3
erb	3.5	38.5
1/4	4.0	38.0
+ 9	4.3	37.7
M	3.5	38.5
N. 1311	3.5	38.5
+ 5	4.2	37.8
+ 7	4.1	37.9
+ 10	2.1	39.9
1/4	2.3	39.7
erb	2.2	39.8
N	1.4	40.6

48

O + 50

N	1.4	40.6
erb	1.9	40.1
1/4	2.0	40.0
+ 2	1.7	40.3
+ 5	4.1	37.9
+ 8	4.2	37.8
N. 1311	3.5	38.5
M	3.7	38.3
+ 4	4.3	37.7
+ 7	3.5	38.5
1/4	3.1	38.9
erb	3.8	38.7
S	3.6	38.4
O + 75		
S	3.8	38.2
erb	3.5	38.5
1/4	3.1	38.9
+ 6	3.5	38.5
+ 9	4.2	37.8
M	3.5	38.5
N. 1311	3.5	38.5
+ 5	4.2	37.8
+ 7	4.2	37.8
+ 10	2.5	39.5
1/4	2.2	39.8
erb	1.8	40.2
N	1.3	40.7

42.04

N	1+00	1.9	40.1
erb		2.1	39.9
1/4		3.2	38.8
+3		2.7	39.2
+6		4.3	37.7
+8		4.1	37.9
N.F. 11		3.5	38.5
M		3.5	38.5
+4		4.2	37.8
+10		3.1	38.9
1/4		2.9	39.1
erb		3.6	38.4
S		4.1	37.9

1+25

S	1+25	4.4	37.6
erb		4.0	38.0
1/4		3.5	38.5
+9		4.2	37.8
M		3.5	38.5
N.F. 11		3.5	38.5
+5		4.2	37.8
+7		4.3	37.7
+10		3.0	39.0
1/4		2.8	39.2
erb		2.6	39.4
N		2.3	39.7

49

1+50

N	1+50	2.5	39.5
erb		2.9	39.1
1/4		3.5	38.5
+8		4.1	37.9
N.F. 11		3.5	38.5
M		3.5	38.5
+4		4.4	37.8
1/4		4.0	37.0
erb		4.3	37.7
S		4.8	37.2

1+75

S	1+75	5.5	36.5
erb		5.3	36.7
1/4		4.9	37.1
+9		4.2	37.8
M		3.5	38.5
N.F. 11		3.5	38.5
+5		4.2	37.8
1/4		3.8	38.2
erb		3.7	38.3
N		3.3	38.7

	72.04		
	2+00		
N		3.5	38.5
erb		3.6	38.4
1/4		4.4	37.6
+8		4.3	37.7
N. Tail		3.5	38.5
M		3.6	38.4
+4		4.3	37.7
1/4		5.1	36.9
erb		5.2	36.8
S		5.7	36.3
	2+25		
S		5.9	36.1
erb		5.4	36.6
1/4		5.3	36.7
+9		4.3	37.7
M		3.6	38.4
N. Tail		3.5	38.5
+5		4.2	37.8
1/4		4.6	37.4
erb		3.8	38.2
N		3.4	38.6

	2+50		
			50
N		3.3	38.7
erb		3.6	38.4
1/4		4.0	38.0
+5		4.0	38.0
N. Tail		3.5	38.5
M		3.6	38.4
+5		4.3	37.7
1/4		5.2	36.8
erb		5.8	36.2
S		5.9	36.1
	2+75		
S		6.0	36.0
erb		5.6	36.4
1/4		5.4	36.6
+9		4.3	37.7
M		3.6	38.4
N. Tail		3.6	38.4
+5		4.4	37.6
1/4		3.9	38.1
erb		3.4	38.6
N		3.7	38.8

	42.04		
	3+00		
N	3.7	38.3	
crb	3.9	38.1	
1/4	4.9	37.1	
+8	4.3	37.7	
N.Y.B.I.	3.6	38.4	
M	3.7	38.3	
+4	4.5	37.5	
1/4	5.8	36.2	
crb	5.9	36.1	
S	5.5	36.5	
	3+25		
S	5.5	36.5	
crb	5.9	36.1	
1/4	6.0	36.0	
+4	5.9	36.1	
+9	4.4	37.6	
M	3.8	38.2	
N.Y.B.I.	3.7	38.3	
+5	4.5	37.5	
1/4	4.7	37.3	
crb	4.3	37.7	
N	4.1	37.9	

	3+50		
N	3.9	38.1	
crb	4.2	37.8	
1/4	4.8	37.2	
+8	4.5	37.5	
N.Y.B.I.	3.7	38.3	
M	3.8	38.2	
+4	4.5	37.5	
+6	4.8	37.2	
+10	6.0	36.0	
1/4	6.1	35.9	
crb	6.0	36.0	
S	6.0	36.0	
	3+75		
S	6.4	35.6	
crb	6.2	35.8	
1/4	6.0	36.0	
+3	6.2	35.8	
+6	4.7	37.3	
+9	4.5	37.5	
M	3.8	38.2	
N.Y.B.I.	3.8	38.2	
+5	4.5	37.5	
1/4	4.9	37.1	
crb	4.5	37.5	
N	4.2	37.8	

POSTED

42.04

4+00

N	4.2	37.8
erb	4.8	37.2
1/4	5.1	36.9
+8	4.6	37.4
N. rail	3.8	38.2
M	3.8	38.2
+4	4.7	37.3
+7	4.8	37.2
+10	6.0	36.0
1/4	6.3	35.7
erb	6.2	35.8
S	6.2	35.8

4+23-

S	6.5	35.5
erb	6.2	35.8
1/4	6.3	35.7
+3	6.1	35.9
+7	4.7	37.3
+9	4.6	36.4
M	3.9	38.1
N. rail	3.8	38.2
+5	4.6	37.4
1/4	5.0	37.0
erb	4.6	37.4
N	4.0	38.0

52

4+50

N	4.5	37.0
erb	4.6	36.4
1/4	5.7	36.3
+4	5.6	36.4
+7	4.6	37.4
+8	4.6	37.4
N. rail	3.8	38.2
M	4.0	38.0
+4	4.7	37.3
+7	4.9	37.1
+10	6.1	35.9
1/4	6.4	35.6
erb	6.4	35.6
S	6.6	35.4

4+75

S	6.9	35.1
erb	6.8	35.2
1/4	6.5	35.5
+6	4.8	37.2
+9	4.6	37.4
M	3.9	38.1
N. rail	3.8	38.2
+5	4.6	37.4
+7	4.7	37.3
+10	5.8	36.2
1/4	5.9	36.1
erb	5.0	37.0
N	4.5	37.5

42.04

5+00

N	4.4	37.6
erb	4.9	37.1
1/4	5.0	37.0
+ 8	4.6	37.4
N. Rail	3.8	38.2
M	3.9	38.1
+ 4	4.6	37.4
+ 7	4.9	37.1
+ 10	5.8	36.2
1/4	5.9	36.1
erb	6.9	35.1
S	7.0	35.0

5+25

S	6.8	35.2
erb	6.5	35.5
1/4	5.8	36.2
+ 3	5.7	36.3
+ 7	4.7	37.3
+ 9	4.6	37.4
M	3.9	38.1
N. Rail	3.9	38.1
+ 5	4.6	37.4
1/4	5.1	36.9
erb	4.5	37.5
N	4.4	37.6

53

5+50

N	4.3	37.7
erb	4.4	37.6
1/4	4.7	37.3
+ 8	4.7	37.3
N. Rail	3.9	38.1
M	3.9	38.1
+ 4	4.7	37.3
1/4	5.6	36.4
erb	6.1	35.9
S	5.6	36.4

5+75

S	5.0	37.0
erb	5.5	36.5
1/4	4.8	37.2
+ 9	4.7	37.3
M	3.9	38.1
N. Rail	3.9	38.1
+ 5	4.6	37.4
1/4	4.5	37.5
erb	4.3	37.7
N	3.5	38.5

42.04

6+00 = W.L. Sampson

54

N	3.3	
crk	4.2	37.8
1/4	4.3	37.7
+8 = 2' N of N rail	4.6	37.4
N. rail = +10	3.9	38.1
M	4.0	38.0
+4 = 2' S of S rail	4.6	37.4
1/4	4.8	37.2
crk	5.4	36.6
S	5.0	37.0
B.M. SPK S.W. trolley pole Sampson	4.62	

POSTED

X-section 10th St Bth St to Ashth St
 + R H.I. - R
 B.M. 73.14 4th Telephone Pole S.W. Cor. 10th St
 Dimple Shaw
 1/28 Thomas

B.M. 4.91 78.05 73.14
 N.L. "B" St POSTED

E.L		4.7	73.4
erb		5.4	72.7
Gutter		5.4	72.7
"A		5.3	72.8
M		5.6	72.5
"A		6.3	71.8
Gutter		6.5	71.6
erb		6.5	71.6
W.L.		6.5	71.6
W.L.	0+25	6.3	71.8
erb		6.1	72.0
str		7.0	71.1
"A		6.2	71.9
M		5.8	72.3
"A		5.6	72.5
str		5.8	72.3
erb		5.4	72.7
E		5.1	73.0

0+50

55

E	4.9	73.2
erb	5.4	72.7
str	5.9	72.2
"A	5.6	72.5
M	5.7	72.4
"A	6.1	72.0
str	7.0	71.1
erb	6.4	71.7
W	6.4	71.7

0+75

W	6.2	71.9
erb	6.4	71.7
str	6.9	71.2
"A	6.4	71.7
M	5.7	72.4
"A	5.6	72.5
str	5.8	72.3
erb	5.4	72.7
E	4.8	73.3

78.05

1+00

E	4.7	73.4
erb	5.6	72.5
str	5.8	72.3
1/4	5.6	72.5
M	5.6	72.5
1/4	6.1	72.0
str	6.8	71.3
erb	6.2	71.9
W	6.0	72.1

1+25

W	6.1	72.0
erb	6.1	72.0
str	6.7	71.4
1/4	6.3	71.8
M	5.6	72.5
1/4	5.5	72.6
str	5.9	72.2
erb	5.7	72.4
E	4.7	73.4

1+50

56

E	5.1	73.0
erb	5.6	72.5
str	6.0	72.1
1/4	5.6	72.5
M	5.6	72.5
1/4	6.1	72.0
str	6.6	71.5
erb	6.0	72.1
W	5.8	72.3

1+75

W	6.1	72.0
erb	5.9	72.2
str	6.5	71.7
1/4	6.1	72.0
M	5.5	72.6
1/4	5.6	72.5
str	5.9	72.2
erb	5.6	72.5
E	5.1	73.0

78.05

2+00 N

E	4.7	73.4
erb	5.7	72.4
str	5.9	72.2
1/4	5.6	72.5
M	5.5	72.6
1/4	5.9	72.2
str	6.5	71.6
erb	6.0	72.1
W	6.3	71.8

2+25

W	6.1	72.0
erb	6.0	72.1
str	6.4	71.7
1/4	5.9	72.2
M	5.5	72.6
1/4	5.4	72.7
str	5.9	72.2
erb	5.5	72.6
E	5.0	73.1

2+50

FW

E	4.9	73.2
erb	5.2	72.9
str	5.8	72.3
1/4	5.3	72.8
M	5.4	72.7
1/4	5.8	72.3
str	6.4	71.7
erb	5.7	72.4
W	5.6	72.5

2+75

W	5.4	72.7
erb	5.5	72.6
str	6.1	72.0
1/4	5.5	72.6
M	5.2	72.9
1/4	5.2	72.9
erb	5.8	72.3
str	5.2	72.9
E	4.7	73.4

78.05

3+00 = S.L. A' ST

E	4.7	73.4
erb	5.0	73.1
str	5.8	72.3
1/4	5.3	72.8
M	5.1	73.0
1/4	5.4	72.7
str	5.9	72.2
erb	5.9	72.7
W.	5.2	72.9

S CURB

W	5.4	72.7
erb	5.9	72.2
str	6.1	72.0
1/4	5.4	72.7
M	5.1	73.0
1/4	5.3	72.8
str	5.7	72.4
erb	5.3	72.8
E	5.0	73.1

5 1/4 A' ST

58

E	4.9	73.2
erb	5.2	72.9
1/4	5.3	72.8
M	5.1	73.0
1/4	5.5	72.6
erb	5.8	72.3
W	5.5	72.6

center

W	5.2	72.9
erb	5.7	72.4
1/4	5.3	72.8
M	4.9	73.2
1/4	5.0	73.1
erb	5.1	73.0
E	4.7	73.4

78.05

N "A"

E	4.6	73.5
erb	4.9	73.2
"A	5.0	73.1
M	4.9	73.2
"A	5.1	73.0
erb	5.6	72.5
W	5.1	73.0

N cut b

W	5.0	73.1
erb	5.4	72.7
str	5.9	72.2
"A	5.1	73.0
M	4.9	73.2
"A	4.9	73.2
str	5.8	72.2
erb	5.2	72.9
E	5.0	73.1

N.L. "A" ST

59

E	4.7	73.4
erb	5.0	73.1
str	5.5	72.6
"A	4.7	73.4
M	4.7	73.4
"A	4.9	73.2
str	5.4	72.7
erb	5.0	73.1
W	4.8	73.3

POSTED
73.4

O + 25'

W	5.0	73.1
erb	5.1	73.0
str	5.2	72.9
"A	4.8	73.3
M	4.4	73.7
"A	4.7	73.4
str	5.2	72.9
erb	4.9	73.2
E	4.5	73.6

78.05

0+50

E	4.4	73.7
erb	4.7	73.4
str	5.1	73.0
1/4	4.6	73.5
M	4.9	73.7
1/4	4.7	73.4
str	4.8	73.3
erb	4.4	73.7
W	4.7	73.4

0+75

W	4.4	73.7
erb	4.3	73.8
str	4.6	73.5
1/4	4.4	73.7
M	4.2	73.9
1/4	4.5	73.6
str	4.8	73.3
erb	4.4	73.7
E	3.9	74.2

1+00

80

E	4.0	74.1
erb	4.3	73.8
str	4.3	73.8
1/4	4.1	74.0
M	3.8	74.3
1/4	4.1	74.0
str	4.2	73.9
erb	4.2	73.9
W	4.2	73.9

1+25 N

W	3.9	74.2
erb	3.8	74.3
str	3.8	74.3
1/4	3.6	74.5
M	3.4	74.7
1/4	3.6	74.5
str	4.1	74.0
erb	3.7	74.4
E	3.8	74.3

78.05

1+50

E	3.5	74.6
erb	3.2	74.9
str	3.7	74.4
1/4	3.2	74.9
M	3.0	75.1
1/4	3.1	75.0
str	3.4	74.7
erb	3.2	74.9
W	3.4	74.7

1+75

W	3.1	75.0
erb	2.6	75.5
str	2.8	75.3
1/4	2.6	75.6
M	2.4	75.7
1/4	2.7	75.4
str	3.2	74.9
erb	2.5	74.6
E	3.2	74.9

2+00

C1

E	2.4	75.7
erb	2.0	76.1
str	2.5	75.6
1/4	2.1	76.0
M	1.9	76.2
1/4	2.0	76.1
str	2.2	75.9
erb	2.0	76.1
W	2.0	76.1

2+25

W	1.0	77.1
erb	1.3	76.8
str	1.6	76.5
1/4	1.3	76.8
M	1.3	76.8
1/4	1.6	76.5
str	2.2	75.9
erb	1.5	76.6
E	1.7	76.4

78.05

2+50

E	0.8	77.3
erb	1.1	77.0
str	1.7	76.4
1/4	0.8	77.3
M	0.5	77.6
1/4	0.6	77.5
str	0.9	77.2
erb	0.1	78.0
W	0.1	78.0
T. P.	7.55	84.78
	0.82	77.23

2+75' N

W	5.3	79.5
erb	6.1	78.7
str	7.1	77.7
1/4	6.4	78.4
M	6.4	78.4
1/4	7.1	77.7
str	7.9	76.9
erb	7.1	77.7
E	7.0	77.8

84.78

3+00 = S.L. ASH ST

62

E	6.6	78.2
erb	6.5	78.3
str	7.0	77.8
1/4	6.4	78.4
M	5.7	79.1
1/4	5.3	79.5
str	5.6	79.2
erb	4.6	80.2
W	4.2	80.6

POSTED

X-Section "A" for 50' on each side of 10th St

9/29/08

Dwight
Shannon
Thomas

B.M. 7314 P.A. Telephone Pole SW Cor 10th & A St

B.M. 4.91 78.05 73.14

E.L. 10th St

S	4.7	73.4
crk	5.0	73.1
str	5.3	72.8
1/4	4.8	73.3
M	4.7	73.4
1/4	4.6	73.5
str	5.2	72.9
crk	5.0	73.1
N	4.7	73.4
0+25' E		
N	3.4	74.7
crk	3.6	74.5
str	4.4	73.7
1/4	3.9	74.2
M	3.9	74.2
1/4	3.9	74.2
str	4.4	73.7
crk	3.6	74.5
S	3.5	74.6

POSTED

0+50 E

62

S	2.0	76.1
crk	2.1	76.0
str	3.0	75.1
1/4	2.5	75.6
M	2.6	75.5
1/4	2.7	75.4
str	3.2	74.9
crk	2.2	75.9
N	2.0	76.1

W.L. 10th St

N	4.8	73.3
crk	5.0	73.1
str	5.4	72.7
1/4	5.1	73.0
M	5.2	72.9
1/4	5.5	72.6
str	5.7	72.4
crk	5.5	72.6
S	5.2	72.9

78.05
 0+25' W of 10th on "A" St

€4

S
 crk 4.1 74.0
 str 4.3 73.8
 5.0 73.1

1/4 4.4 73.7

M 4.1 74.0

1/4
 str 4.1 74.0
 crk 4.5 73.6
 3.5 74.6

N 3.6 74.5

0+50' W

NOTED

POSTED

N
 crk 1.7 76.4
 str 2.0 76.1
 2.9 75.2

1/4 2.4 75.7

M 2.6 75.5

1/4
 str 3.0 75.1
 crk 3.7 74.4
 3.0 75.1

S 2.8 75.3

3 Hotel
16 Truss Xsections Newton Ave
09 Deziel

W. Simpson
BM Newton 500 42.03 37.03

Et. Simpson

S		4.5	37.5
cb		4.4	37.6
1/2	ED	4.4	37.6
+10 = 2'S of Rad		4.6	37.4
+19 = 2'N " "		4.6	37.4
1/2	POSTED	3.6	38.4
cb		2.6	39.4
N		1.9	40.1
	50' E of		
N		1.7	40.3
cb		2.7	39.3
1/2		3.0	39.0
+1.5'			
2' N of Rail		4.8	37.2
Cr + 3 = 2'S "		4.5	37.2
1/2		4.1	37.9
cb		4.7	37.3
S		5.1	36.9

42.03
100' E of

25

S		5.3	36.7
cb		5.0	37.0
1/2		4.5	37.5
+4		4.5	37.5
+10 = 2'S of R.		5.0	37.0
Cr + 5 = 2'N " "		4.9	37.1
Cr + 11		3.0	39.0
1/2		3.0	39.0
cb		2.8	39.2
N		1.7	40.3

150' E of

N		2.3	39.7
cb		2.5	39.5
1/2		3.4	38.6
+2		3.5	38.5
+8 = 2'N of R.		5.0	37.0
Cr + 3 = 2'S "		5.1	36.9

4203

+7	4.3	37.7
1/2	4.1	37.9
cb	4.9	37.1
S	5.2	36.8

200' E

S	5.6	36.4
cb	5.1	36.9
1/2	5.2	36.8

+10 = 2' S of Rail

C₁+5 = "N" "

1/2	5.5	36.5
cb	5.4	36.6
N	4.5	37.5
cb	3.9	38.1
N	3.8	38.2

250' E Sampson

N	4.6	37.4
cb	5.1	36.9
1/2	5.1	36.9

4203

40

+4	5.0	37.0
+8 = 2' N of Rail	5.6	36.4
C ₁ +3 = 2' S " "	5.7	36.3
1/2	{ 6.4 5.7	{ 35.6 36.3

cb	5.7	36.3
----	-----	------

S	6.4	35.6
---	-----	------

300' E of Sampson

S	7.6	34.4
---	-----	------

cb	6.6	35.4
----	-----	------

+7	6.1	35.9
----	-----	------

1/2	6.9	35.1
-----	-----	------

+10 = 2' S of SR	5.9	36.1
------------------	-----	------

C ₁ +5 = 2' N of NR	5.9	36.1
--------------------------------	-----	------

1/2	6.0	36.0
-----	-----	------

cb	5.7	36.3
----	-----	------

N	5.3	36.7
---	-----	------

4203

350' E of Sampson

N	3.8	38.2
cb	4.8	37.2
1/2	5.3	36.7
+8' = 2' N of Rail	6.0	36.0
Cr+3 = 2' S of Rail	6.0	36.0
1/4	6.0	36.0
cb	6.5	35.5
S	7.3	34.7

POSTED

400' E of Sampson

S	6.8	35.2
cb	6.3	35.7
1/2	6.1	35.9
+10 = 2' S of R	6.2	35.8
Cr+5 = 2' N of R	6.1	35.9
1/4	5.2	36.8
cb	5.2	36.8
N	4.3	37.7

4203

450' E of Sampson

N	6.3	35.7
cb	7.3	34.7
1/2	8.0	34.0
+5	7.6	34.4
+8 = 2' N of Rail	6.1	35.9
Cr+3 = 2' S of "	6.2	35.8
+10'	8.3	33.7
1/2	8.5	33.5
cb	7.8	34.2
S	8.1	33.9

500' E of Sampson

S	10.2	31.8
cb	10.0	32.0
1/2	9.5	32.5
+10 = 2' S of R.	6.2	35.8
Cr+5 = 2' N of R.	6.1	35.9

67

	4203		
1/4		8.7	33.3
cb		7.9	34.1
N		6.3	35.7
	550 E of Sampson		
N		5.9	36.1
cb		6.5	35.5
1/4		7.5	34.5
+8'-2' of Rail		6.3	35.7
Or +3 = 2' of R.		6.3	35.7
+10		7.4	34.6
1/2		7.5	34.7
cb		7.7	34.3
S		7.5	34.2
T.P.	343	39.96	5.70
			36.33
	600 E of Sampson = Wh Dipcard		
S		4.7	35.3
cb		4.1	35.9

	39.96		68
1/2		4.3	35.7
+10 = 2' of R.		4.0	36.0
Or +5'		4.2	35.8
+5'		3.3	36.7
1/4		3.7	36.3
+5'		3.4	36.6
		2.7	37.3
cb		2.5	37.5
N.		2.0	38.0
	W. Ch. Secard		
N		1.5	38.2
cb		2.6	37.4
+6'		{ 2.5	37.2
		{ 3.7	36.3
1/2		3.9	36.1
+9 = 2' of Rail		4.2	35.8
Or +4 = 2' of R.		4.0	36.0
1/4		4.6	35.4
cb		5.0	35.0
S		4.6	35.4

39.96

W 1/4 Seccard

S	46	35.4
cb	51	34.9
1/4	45	35.5
+9' = 2's of Rail	40	36.0
Cr+4 = 2' N " "	42	35.8
1/4	40	36.0
+6'	53.5 59	36.5 37.1
cb	24	37.6
N	20	38.0

Cr. Seccard

N.	27	37.3
cb	32	36.8
1/4	42	35.8
+9' = 2' N of R.	36	36.4
Cr+4 = 2's of "	35	36.5
1/4	47	35.3

39.96

69

cb.	50	35.0
S	47	35.3

E 1/4 Seccard

S	51	34.9
cb	51	34.9
1/4	50	35.0
+9' = 2's of R.	34	36.6
Cr+4 = 2' N " "	37	36.3
1/4	44	35.6
cb	37	36.3
N	32	36.8

E cb Seccard

N	35	36.5
cb	40	36.0
1/4	42	35.8
+9' 2' N of R.	37	36.3
Cr+4' 3's of R.	34	36.6
1/4	51	34.9

	39.96	
cb	5.3	34.7
S	5.4	34.6
E of Decard		
S	5.5	34.5
cb	5.4	34.6
1/4	5.3	34.7
+9 = 2' S of R.	4.0	36.0
C+4 = 2' N of R.	4.1	35.9
1/4 POSTED	4.2	35.8
cb	4.0	36.0
N	3.6	36.4
50' E of Decard		
N	4.0	36.0
cb	4.6	35.4
1/4	4.9	35.1
+8 = 2' N of R.	4.2	35.8
C+2 = "S" "	3.5	36.5

	39.96	70
+4	5.6	34.4
1/2	6.0	34.0
+11	5.4	34.6
cb	5.2	34.8
S	5.5	34.5
100' E		
cb+S = Fence.	5.1	34.9
1/2	6.1	33.9
+7	5.9	34.1
cb	3.4	36.6
+1 = 2' S of R.	3.4	36.6
+9 = "N" "	4.1	35.9
1/2	4.3	35.7
cb	4.6	35.4
N	4.2	35.8
150' E		
N	4.2	35.8
cb	4.2	35.8
+6 = 2' N of R.	3.9	36.1

39,96

1/4 + 3'	3.3	36.7
+ 9'	5.4	34.6
cr.	6.2	35.8
1/4 = fence	5.2	34.8

200' E of Succard

1/2 + 11 = fence	4.9	35.1
cr	5.4	34.6
1/2	5.8	34.2
+ 7	5.2	34.8
cb. = 2' S of R.	3.0	37.0
+ 8' = 2' N. " "	3.8	36.2
N.	3.6	36.4

250' E

N	4.5	35.5
cb	5.3	34.7
1/2	5.6	34.4
+ 10 = fence	5.0	35.0

3996 71
300' E

1/2 = fence	4.9	35.1
cb	4.9	35.1
N	4.5	35.5

357 E of Succard = WL 26th on N.

N	4.4	35.6
cb	5.1	34.9
+ L	4.7	35.3
T.P	6.24	41.60
	4.60	35.36
	WL 26 th	
N.	6.0	35.6
cb	6.6	35.0
1/2	6.6	35.0
c	6.8	34.8
1/2	7.3	34.3
cb	7.3	34.3
S	7.3	34.3
rom check (26 th grand)	2.50	39.10

39,033

BM 26th ²¹³ Grand. 39.16 39.03

37.8 — 37.70 5.24 33.92

100' E of Siccord

s	4.5	33.2
cb	4.3	33.4
150' E		
s	4.3	33.4
cb. POSTED	4.2	33.5
1/4	3.7	34.0
200' E		
s	4.1	33.6
cb	3.9	33.8
1/4	3.5	34.2
250' E		
s	4.4	33.3
cb	4.2	33.5
1/4	3.8	33.9
cr.	3.2	34.5

37.70

300' E

s	4.4	33.3
cb	3.9	33.8
1/4	3.7	34.0
c	3.5	34.2
351' E		
s	4.6	33.2
cb	4.2	33.5
1/4	3.9	33.8
c	3.6	34.1
1/4	3.0	34.7

POSTED

Sta. 300

Newton

30 1/2 31

73

74

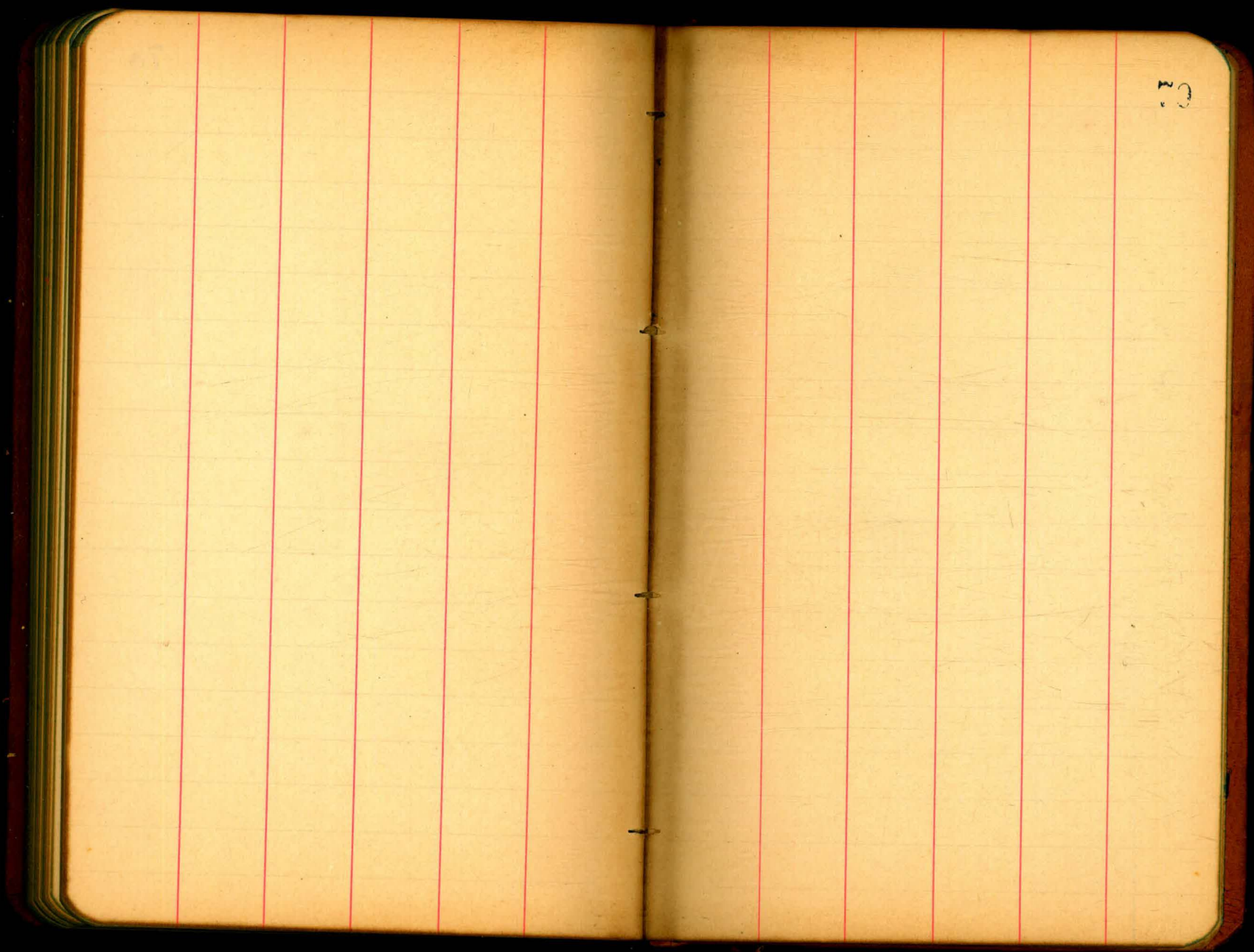
75

75

76

77

78



23

T.P. 0.27
 36.34
 0.77 T.P.
 35.55
 P. 89
 44.44
 1.77
 42.50
 4.04
 46.54
 5.02
 1.2

82.0
 36.5
 45.5
 41.52 B.M.

2.73
 6.75
 9.48

84.78
 1.50
 82.28

6.90
 7.75
 5.94
 37.20
 5.49
 37.79
 37.30
 2.16
 36.46

42.04
 9.62
 37.42

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

FOR SINGLE TRACK EMBANKMENT.

ROADWAY 14 FEET WIDE. SIDE SLOPES 1 1/2 TO 1.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	26
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.