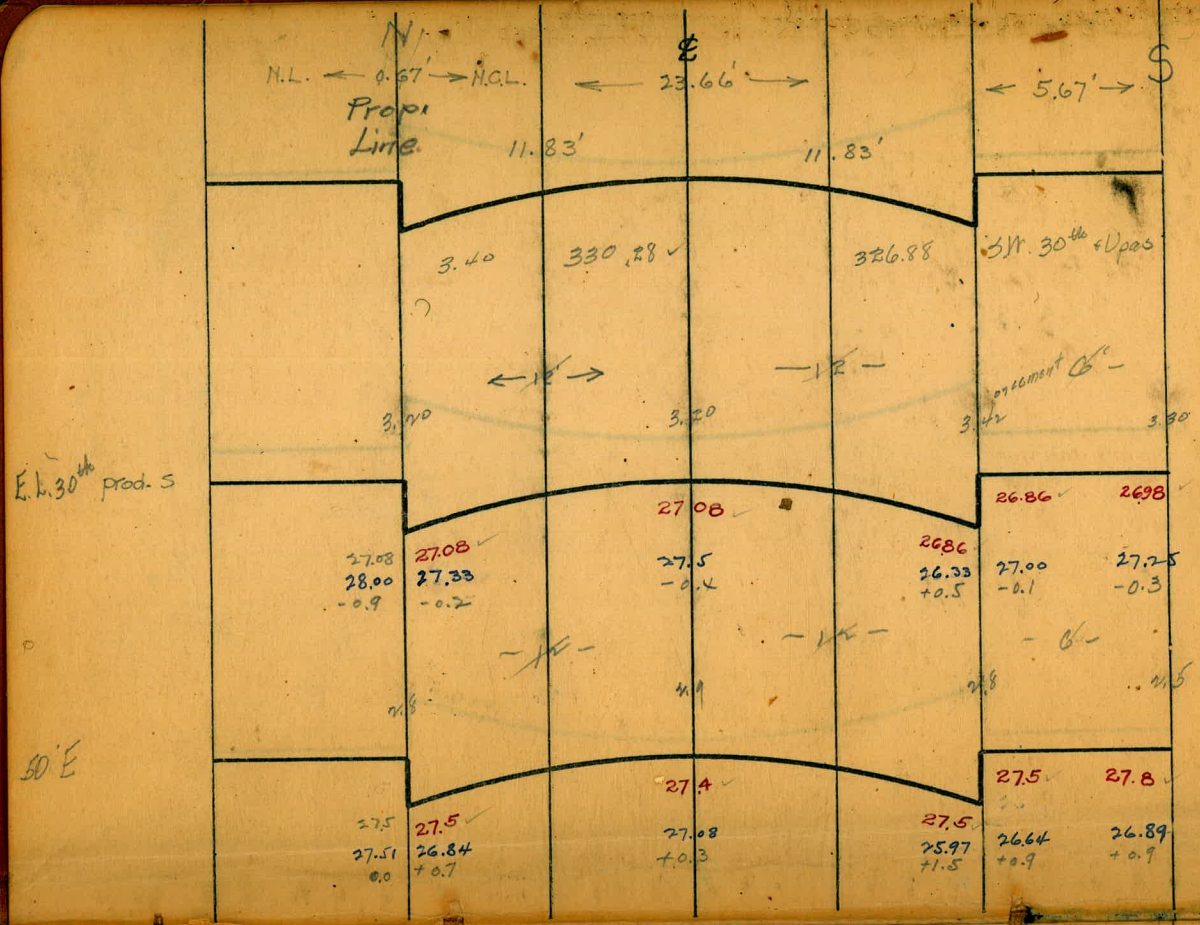
1087

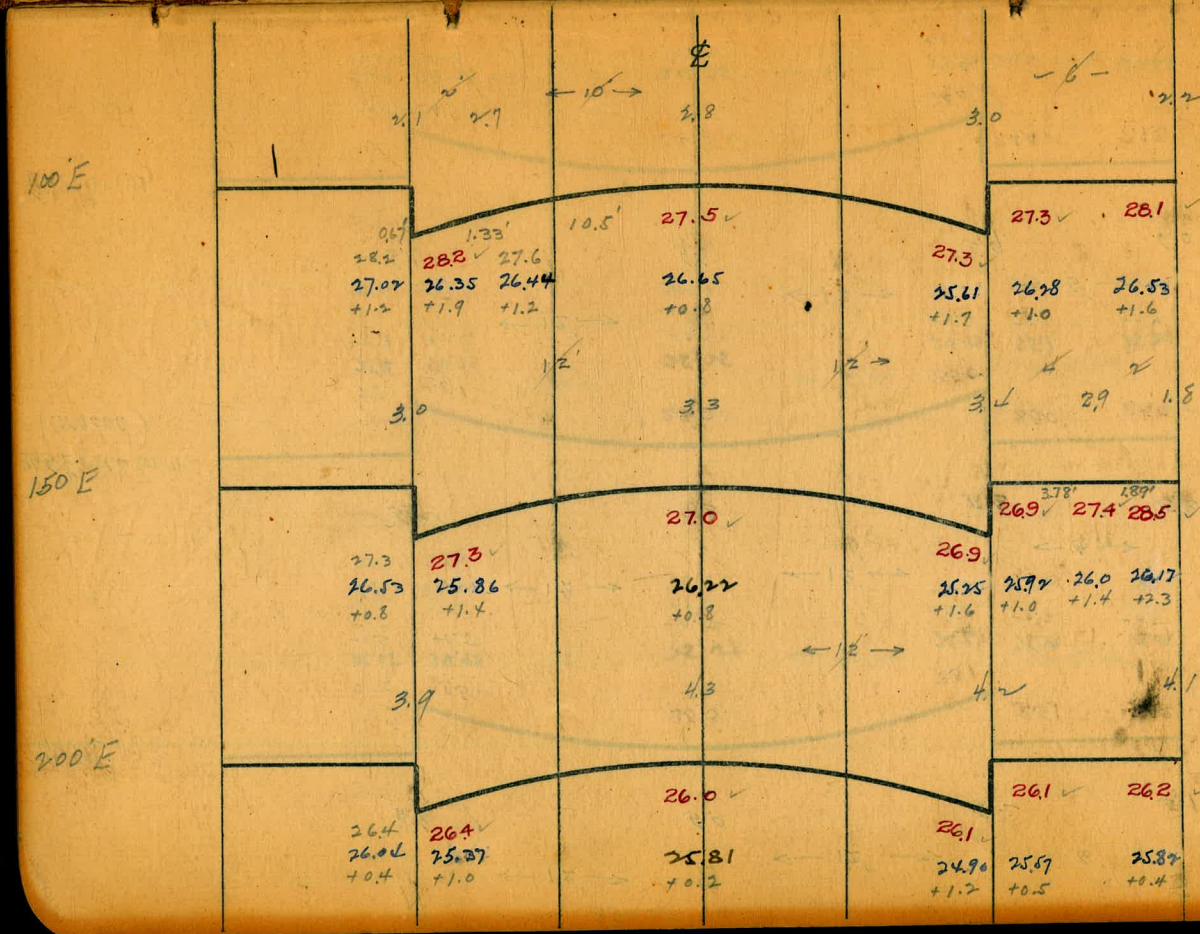
MICROFILMED
DEC 21 1964

Lots 10 - 15
50.
La Jolla Park

26.2
25.84
+0.4
26.1
25.57
+0.5
26.1
24.90
+1.2
25.81
+0.2
26.4
25.37
+1.0
26.4
26.04
+0.4

Cross Section of 30th St. is 30' Wide
Upais St. 6' curb on S.
From E.L. 30th St (prod So.) N. 15 or N.L. of St.
To E.L. 32nd St. 24' roadway.





Platted by Donnan May 6-21
Estimates of yardage Book 8 Page 200: Dec. 5-21 (SMITH DONNAN)

330.28

N. ← 12' → ℄ ← 12' → 6' S

4.8 5.0 5.2 5.1

240' E

25.3 25.1 25.2

25.5 25.5 25.1

25.65 24.98 25.47 24.61 25.28 25.53

-0.2 +0.5 -0.2 +0.5 -0.2 -0.3

← 12' → ← 12' → ← 6' →

5.2 5.3 5.3 5.3

265' E = W.L. Grim (Graded)

25.0 25.0 25.0

25.1 25.1 25.0

25.4 24.73 25.25 24.43 25.1 25.35

-0.3 +0.4 -0.3 +0.6 -0.1 -0.4

← 12' → ← 12' → ← 6' →

5.6 5.8 5.9 6.0

E.L. Grim

24.5 24.4 24.3

24.7 24.7 24.4

24.9 24.23 24.75 23.93 24.6 24.85

-0.2 +0.5 -0.3 +0.5 -0.2 -0.6

S

← 12' → ℄ ← 12' → ← 6' →

5.8 6.2 6.1 5.8

25' E

24.1 24.2 24.5

24.5 24.5 24.2

25.29 24.62 25.15 24.34 25.01 25.26

-0.8 -0.1 -1.1 -0.1 -0.8 -0.8

← 12' → ← 12' → ← 6' →

5.8 6.2 6.0 8.0

50' E

24.1 24.3 22.3

24.5 24.5 24.3

25.67 25.00 25.55 24.76 25.43 25.68

-1.2 -0.5 -1.5 -0.5 -1.1 -3.4

12' ← 12' → ← 6' →

6.1 6.0 6.0 8.0

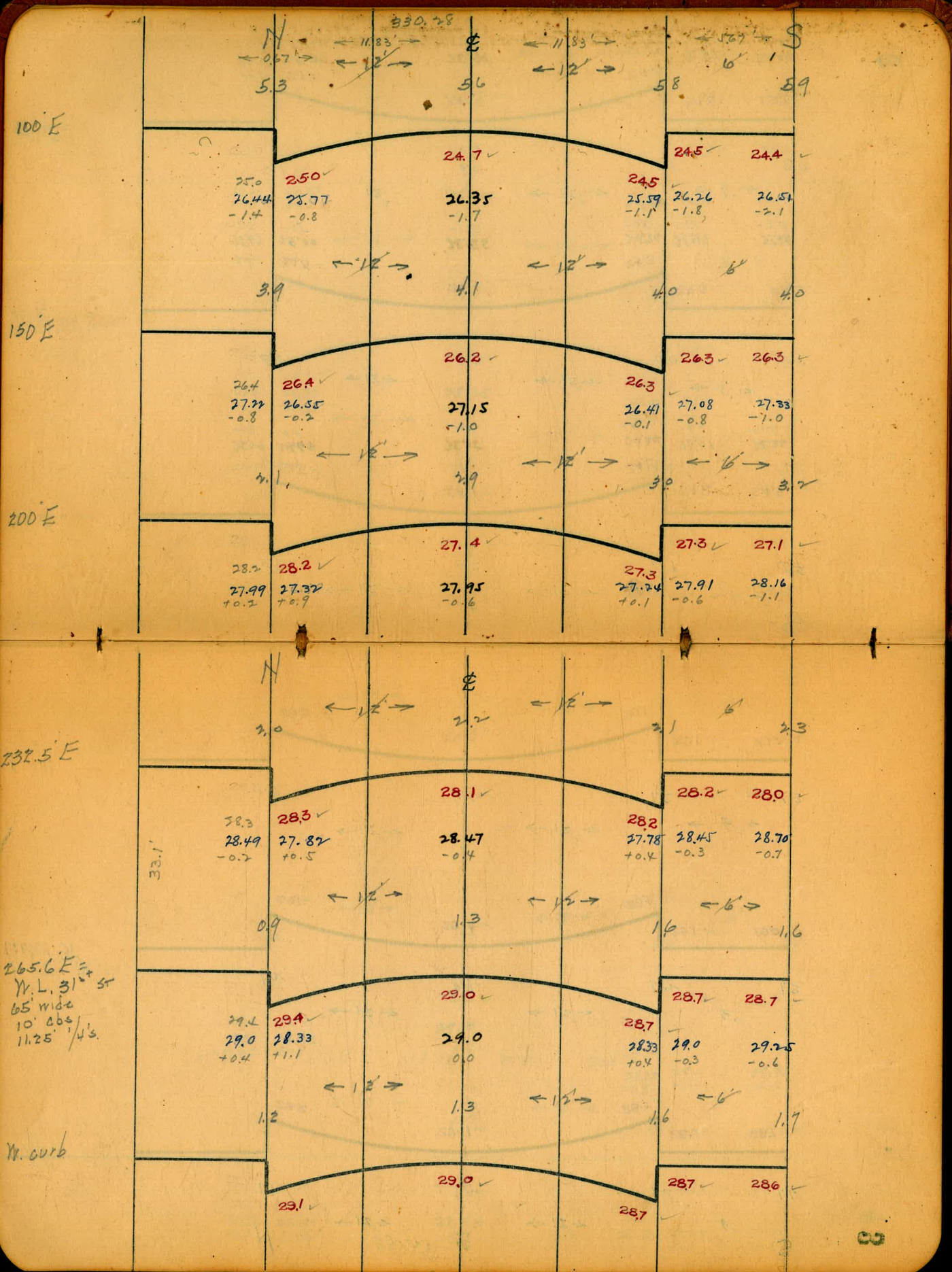
75' E

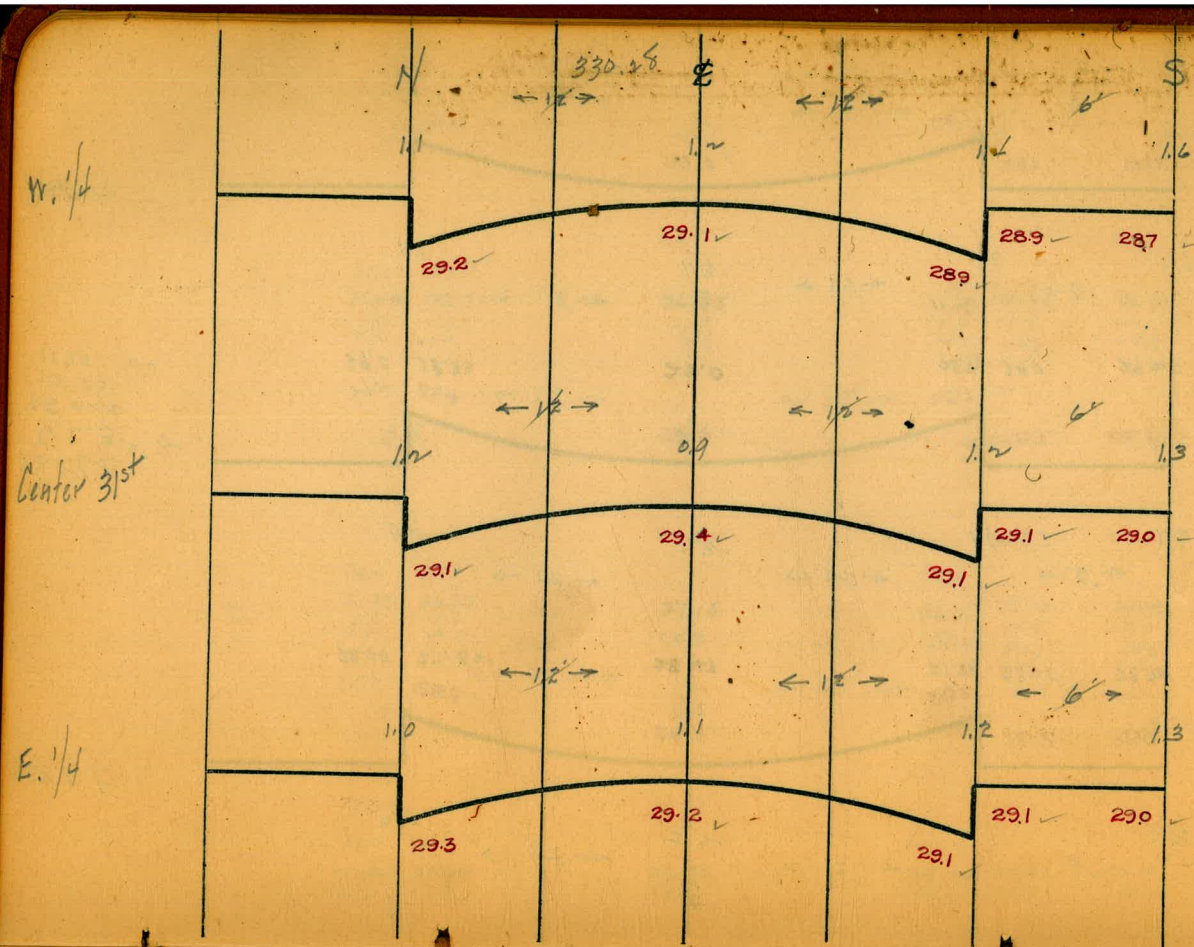
24.3 24.3 22.3

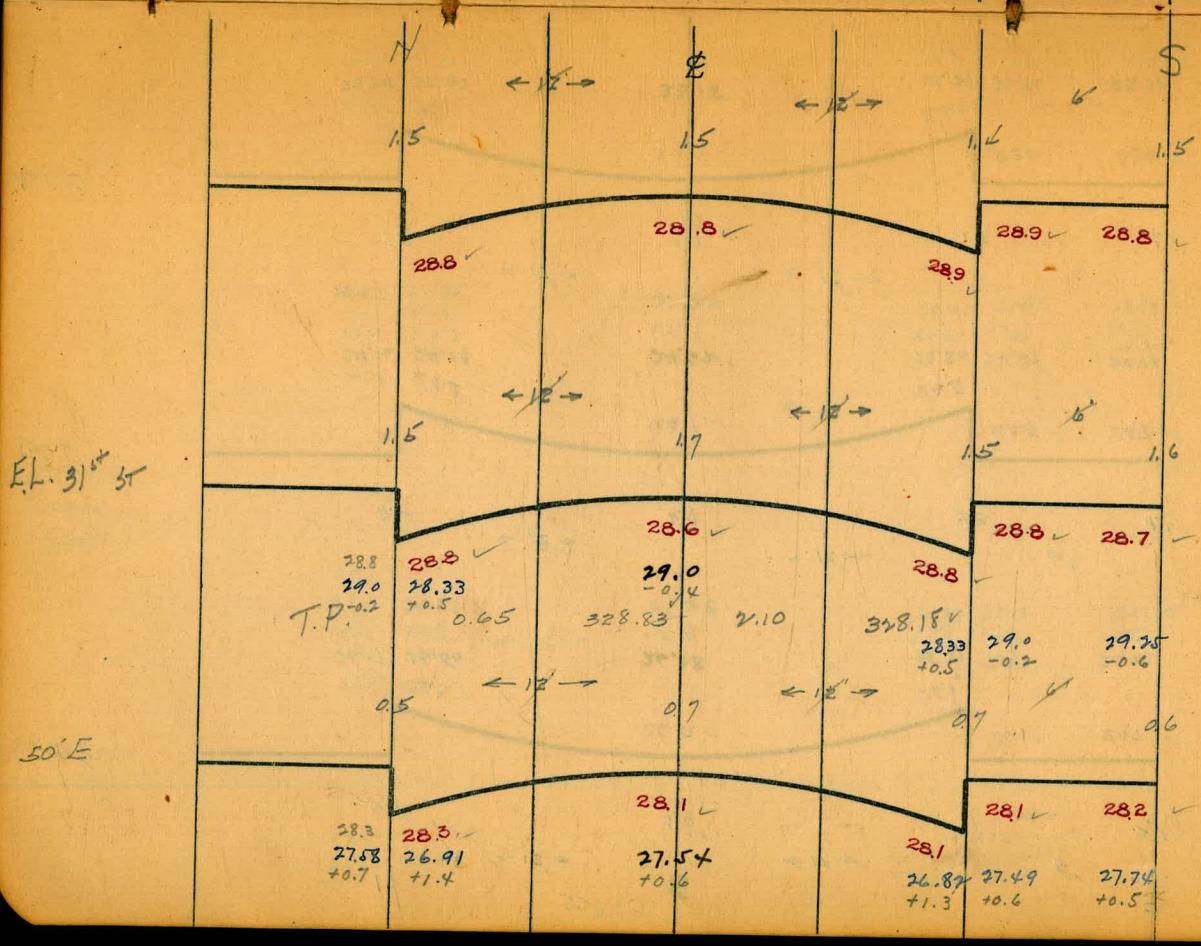
24.2 24.2 24.3

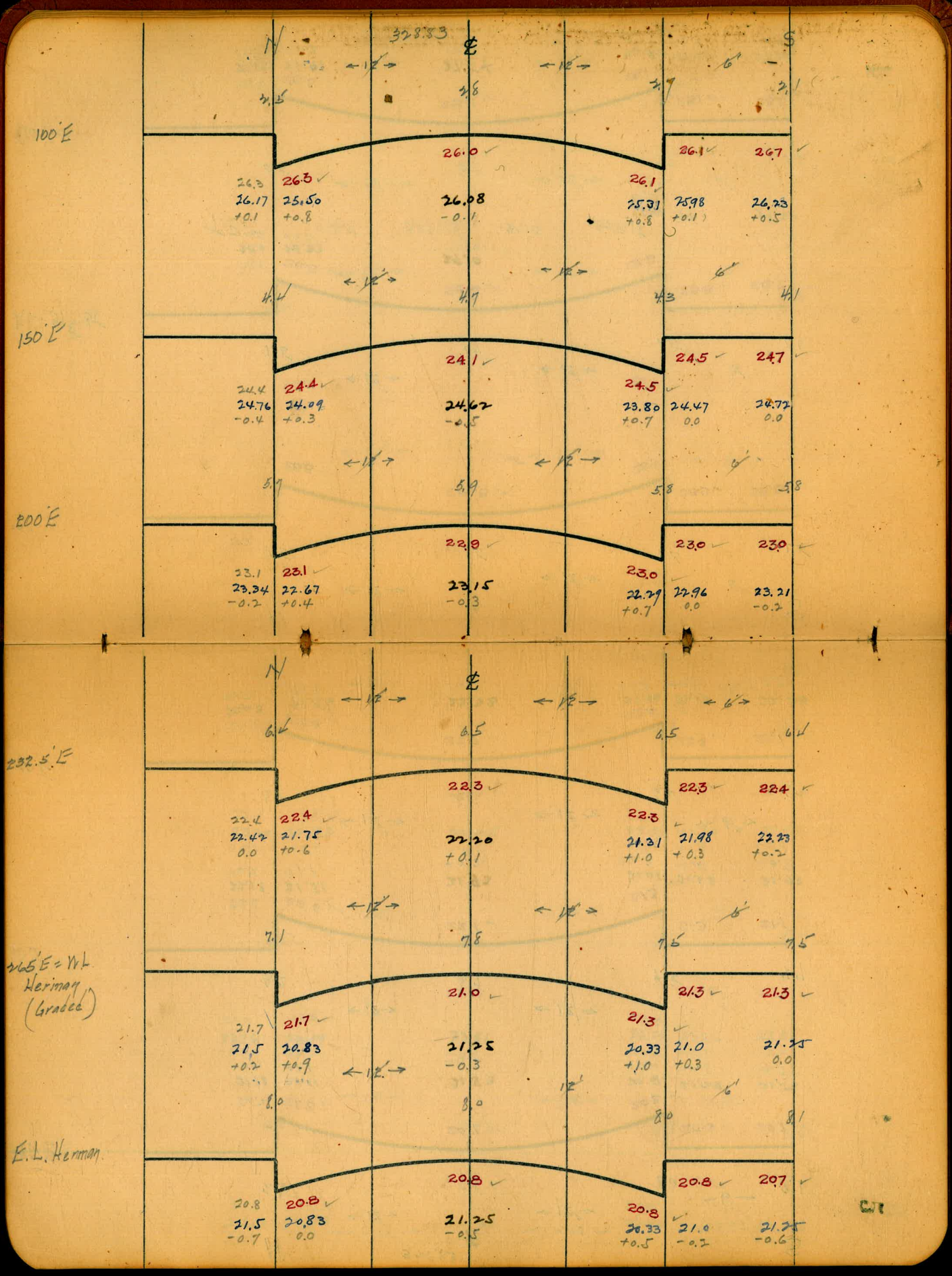
26.06 25.39 25.95 25.17 25.84 26.09

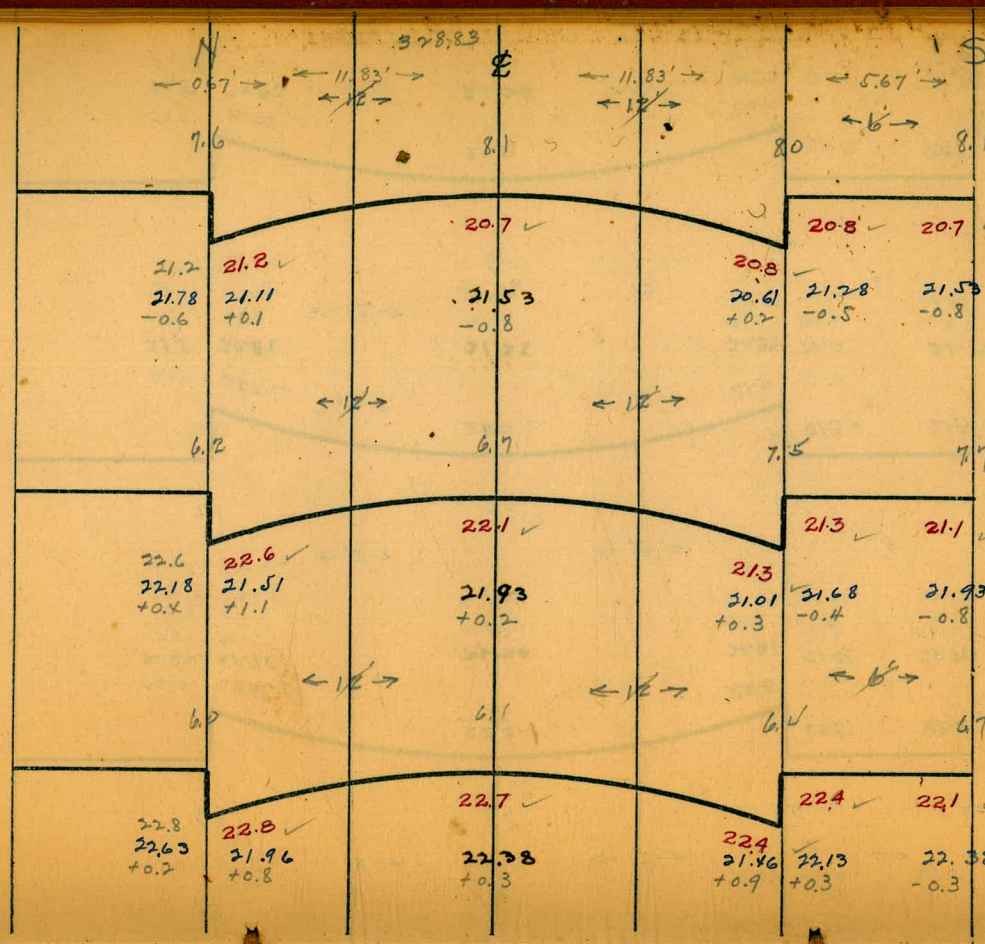
-1.9 -1.2 -1.7 -0.9 -1.5 -3.8

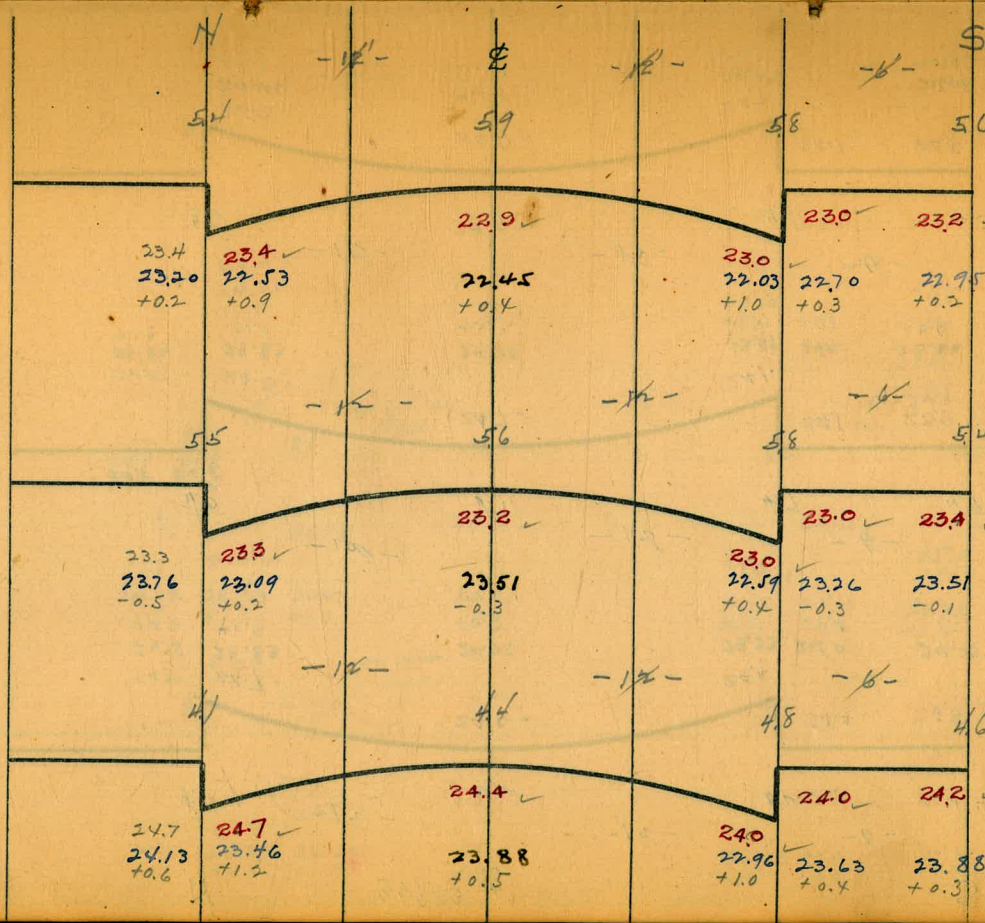

330.28
N
℄
S
11.83'
11.83'
5.67'
0.67'
12'
12'
6'
5.3
5.6
5.8
5.9
100' E
24.7
24.5
24.4
25.0
25.0
24.5
26.44
25.77
26.35
25.59
26.26
26.51
-1.4
-0.8
-1.7
-1.1
-1.8
-2.1
12'
12'
6'
3.9
4.1
4.0
4.0
150' E
26.2
26.3
26.3
26.4
26.4
26.3
27.22
26.55
27.15
26.41
27.08
27.33
-0.8
-0.2
-1.0
-0.1
-0.8
-1.0
12'
12'
6'
3.1
3.9
3.0
3.2
200' E
27.4
27.3
27.1
28.2
28.2
27.3
27.99
27.32
27.95
27.24
27.91
28.16
+0.2
+0.9
-0.6
+0.1
-0.6
-1.1
N
℄
12'
12'
6'
2.0
2.2
2.1
2.3
232.5' E
28.1
28.2
28.0
28.3
28.3
28.2
28.49
27.82
28.47
27.78
28.45
28.70
-0.7
+0.5
-0.4
+0.4
-0.3
-0.7
33.1'
12'
12'
6'
0.9
1.3
1.6
1.6
265.6' E =
N.L. 31st St
65' wide
10' c.b.s
11.25' 1/4's.
29.0
28.7
28.7
29.4
29.4
28.7
29.0
28.33
29.0
28.33
29.0
29.25
+0.4
+1.1
0.0
+0.4
-0.3
-0.6
12'
12'
6'
1.2
1.3
1.6
1.7
N. curb
29.0
28.7
28.6
29.1
28.7


N
330.28
℄
S
W. 1/4
Center 31st
E. 1/4
29.2
29.1
28.9
28.7
29.1
29.4
29.0
29.3
29.2


N
℄
S
EL. 31st St
50' E
T.P.
28.8
29.0
28.33
0.65
328.83
328.18
28.6
28.7
28.3
27.58
26.91
27.54
28.1
28.2
27.49
27.74


N
328.83
℄
S
100'E
26.3
26.3
26.17
25.50
+0.1
+0.8
26.0
26.08
-0.1
26.1
26.1
25.81
25.98
+0.8
+0.1
26.7
26.23
+0.5
150'E
24.4
24.4
24.76
24.09
-0.4
+0.3
24.1
24.62
-0.5
24.5
24.5
23.80
24.47
+0.7
0.0
24.7
24.72
0.0
200'E
23.1
23.1
23.34
22.67
-0.2
+0.4
22.9
23.15
-0.3
23.0
23.0
22.29
22.96
+0.7
0.0
23.0
23.21
-0.2
232.5'E
22.4
22.4
22.42
21.75
0.0
+0.6
22.3
22.20
+0.1
22.3
22.3
21.31
21.98
+1.0
+0.3
22.4
22.23
+0.2
265'E = Nt. Herman (Graded)
21.7
21.7
21.5
20.83
+0.2
+0.9
21.0
21.25
-0.3
21.3
21.3
20.33
21.0
+1.0
+0.3
21.3
21.25
0.0
E.L. Herman
20.8
20.8
21.5
20.83
-0.7
0.0
20.8
21.25
-0.5
20.8
20.8
20.33
21.0
+0.5
-0.2
20.7
21.25
-0.6


N
S
328.83
0.67'
11.83'
11.83'
5.67'
12'
12'
6'
7.6
8.1
8.0
8.1
25'E
20.7
20.8
20.7
21.2
21.8
20.8
21.78
-0.6
21.11
+0.1
21.53
-0.8
20.61
+0.2
21.28
-0.5
21.53
-0.8
12'
12'
6.2
6.7
7.5
7.7
60'E
22.1
21.3
21.1
22.6
22.6
21.3
22.18
+0.4
21.51
+1.1
21.93
+0.2
21.01
+0.3
21.68
-0.4
21.93
-0.8
12'
12'
6'
6.0
6.1
6.1
6.7
100'E
22.7
22.4
22.1
22.8
22.8
22.4
22.63
+0.2
21.96
+0.8
22.38
+0.3
21.46
+0.9
22.13
+0.3
22.38
-0.3


N
S
12'
12'
6'
5.4
5.9
5.8
5.6
150'E
22.9
23.0
23.2
23.4
23.4
23.0
23.20
+0.2
22.53
+0.9
22.45
+0.4
22.03
+1.0
22.70
+0.3
22.95
+0.2
12'
12'
6'
5.5
5.6
5.8
5.1
200'E
23.2
23.0
23.4
23.3
23.3
23.0
23.76
-0.5
23.09
+0.2
23.51
-0.3
22.59
+0.4
23.26
-0.3
23.51
-0.1
12'
12'
6'
4.1
4.4
4.8
4.6
232.5'E
24.4
24.0
24.2
24.7
24.7
24.0
24.13
+0.6
23.46
+1.2
23.88
+0.5
22.96
+1.0
23.63
+0.4
23.88
+0.3

N ℄ S

378.83

265' E = W.L. 32nd St.

10' E = W.cb.

8.29 (8.25) E on S 11.25 " " N = Nr. 1/4

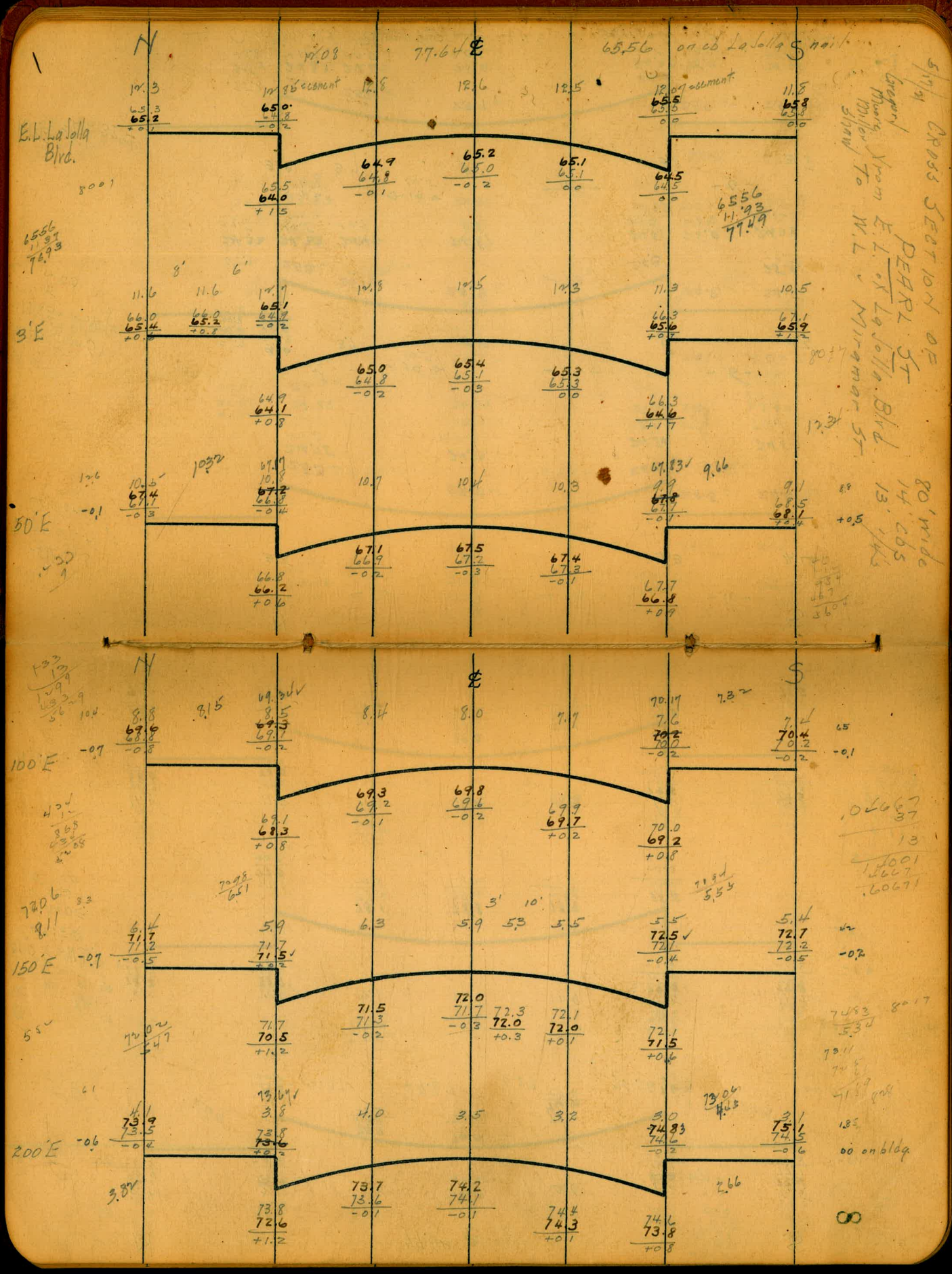
8.29 (8.25) E on S 11.25 " " N = Center

8.29 (8.25) E on S 11.25 " " N = Ecb

10' E = E.L. 32nd

— Continued Page 75 —

6.63 377.20 = 376.56 Spk NW Herman


N
S
E.L. La Jolla Blvd.
50' E
100' E
150' E
200' E

N ℄ S

250' E

T.P.

on hub N.W. Curier

300' E = W.L.
CUVIER
80' WIDE
14' cbs
13' 1/4 S

W. cb

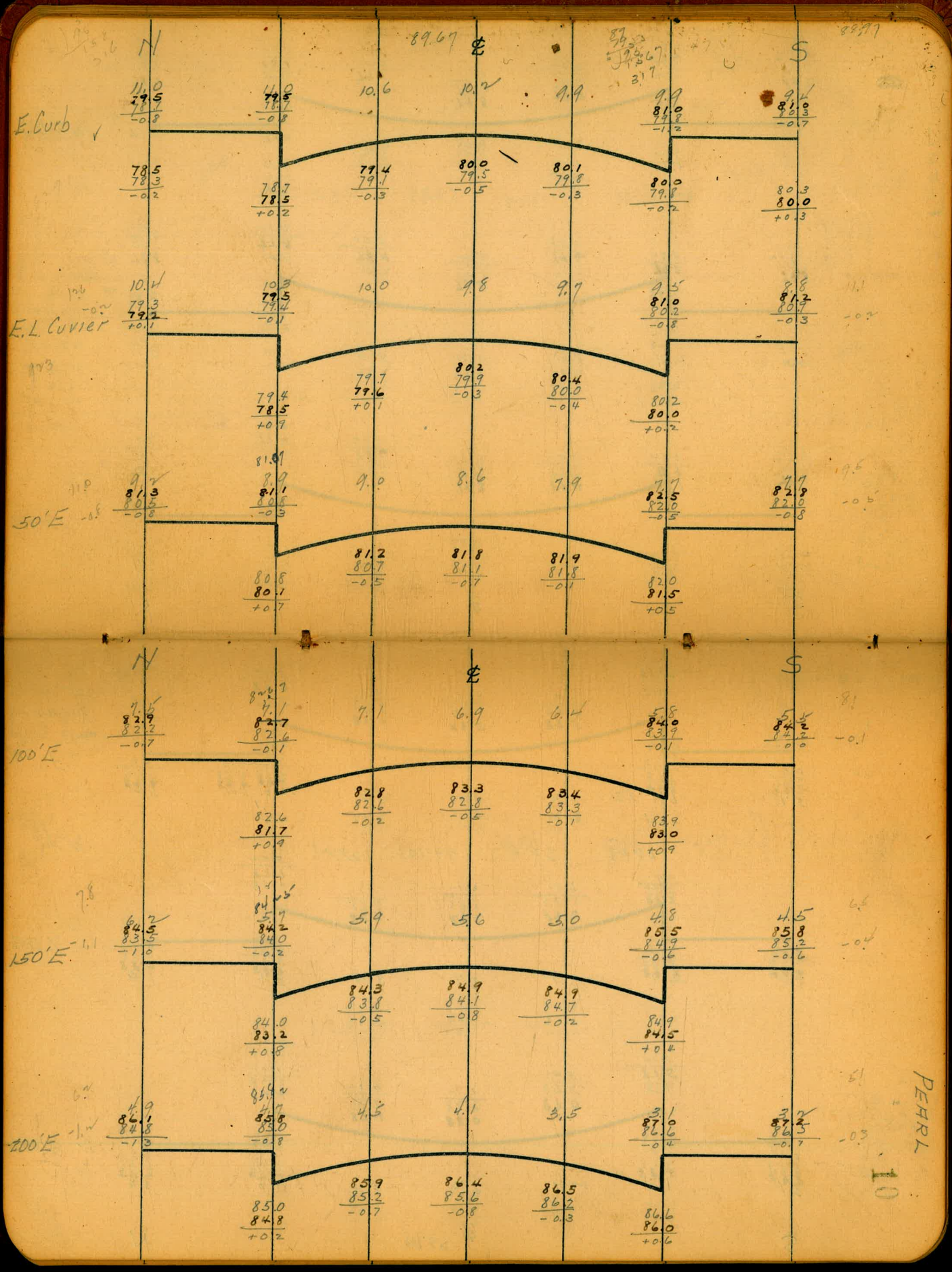
N ℄ S

W. Quarter

Center Curier

E. Quarter

PEARL


N
℄
S
E. Curb
E. L. Cuvier
50' E
100' E
150' E
200' E
PEARL

N ℄ S

89.67

250' E

290' E

T.P.

300' E = W.L. Draper Graded 80' ST.

Tie E 7' Line IK 20' HUB.

E.L. Draper

9188
419
101.77

9.78

91.88

on spk S.E. Draper.

9188
419
9609

50' E

100' E

PEARL

101.66

N ℄ S

150'E

200'E

250'E

290'E

300'E = M.L. EADS (Graded.)
80' ST.

T.P.

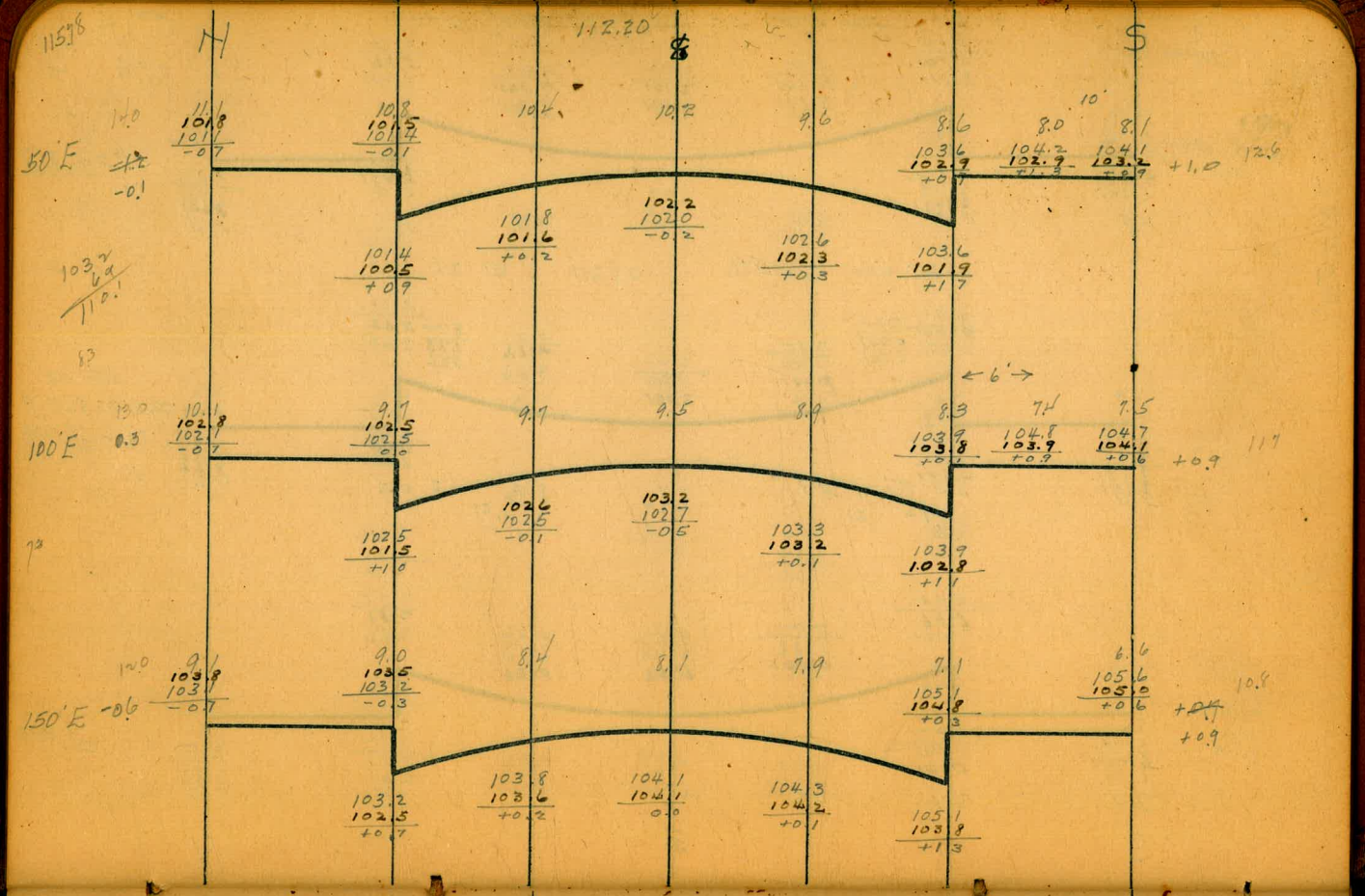
E.L. EADS

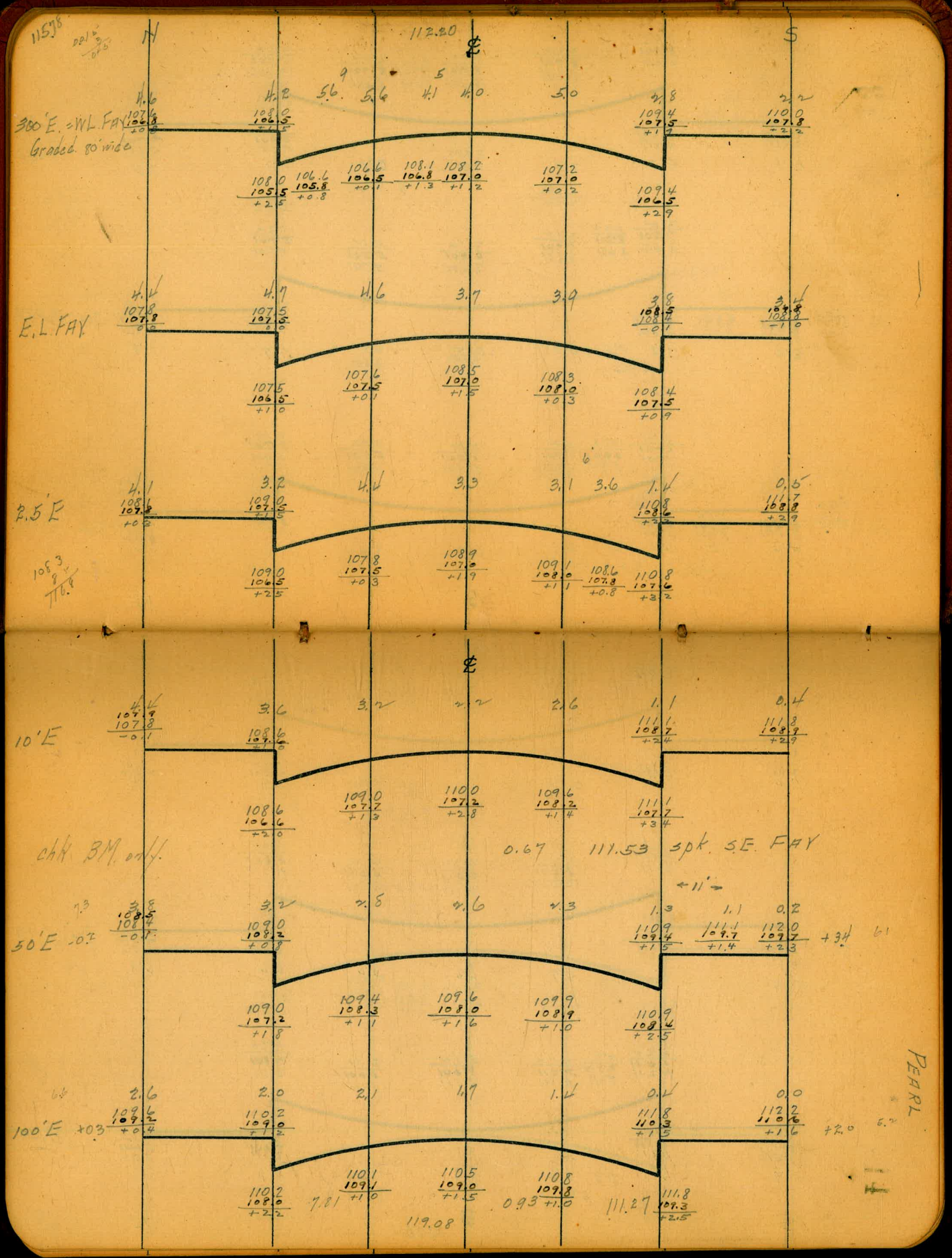
Tie EK hub 19.96' W7 Line

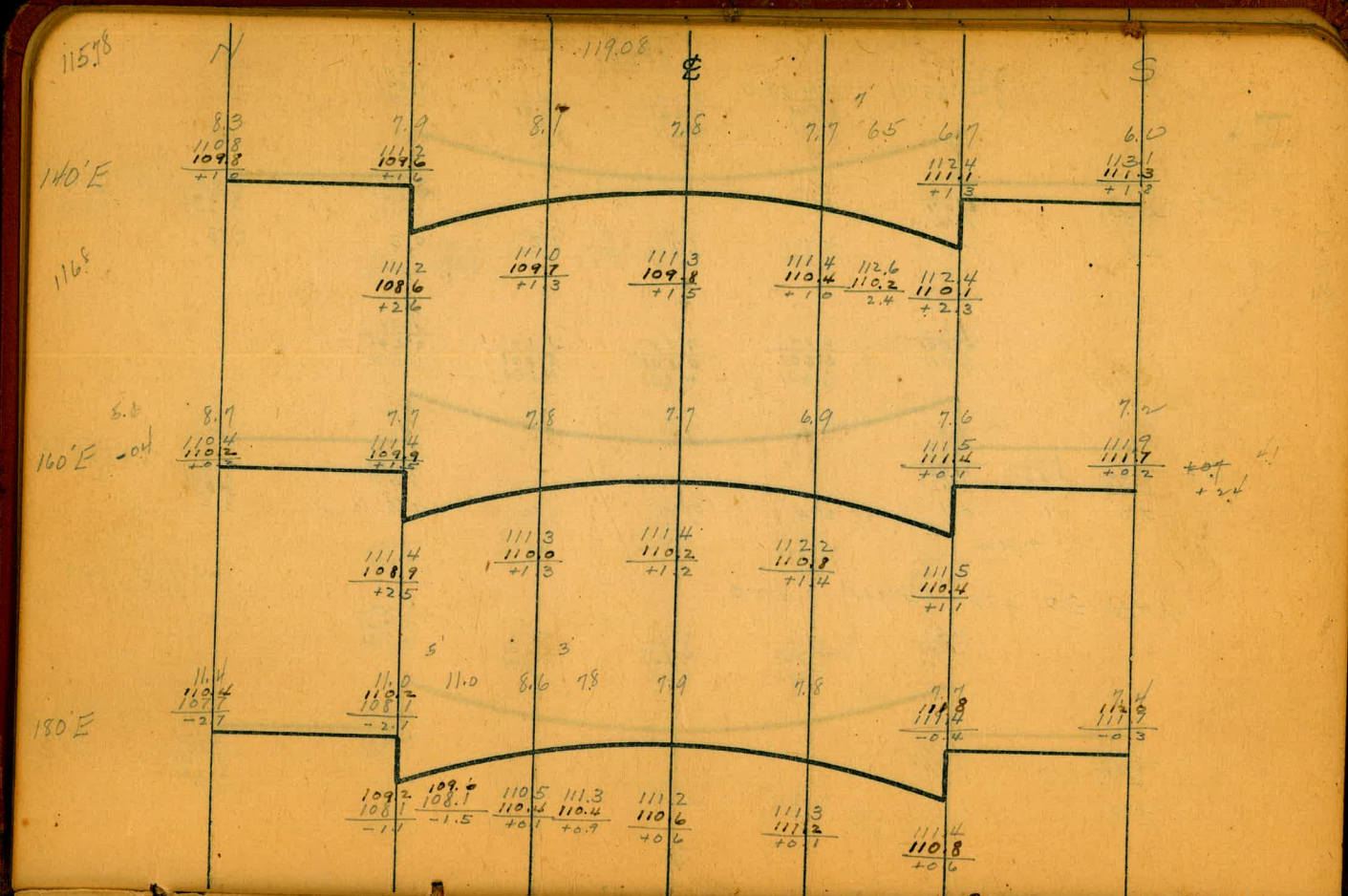
→ Check up Line Thru Eads ←

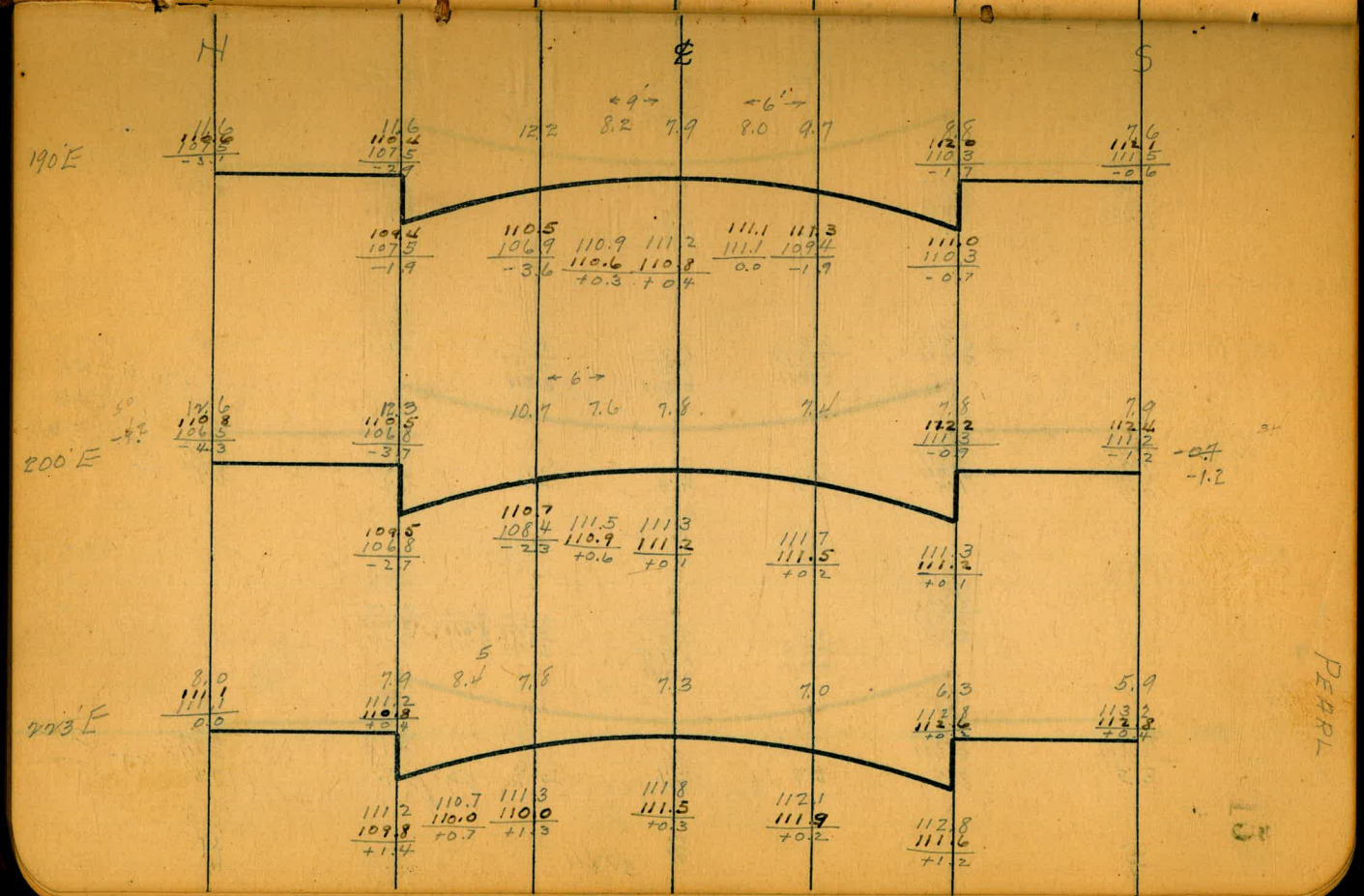
19.96' W7 Line x Tie hub

PEARL

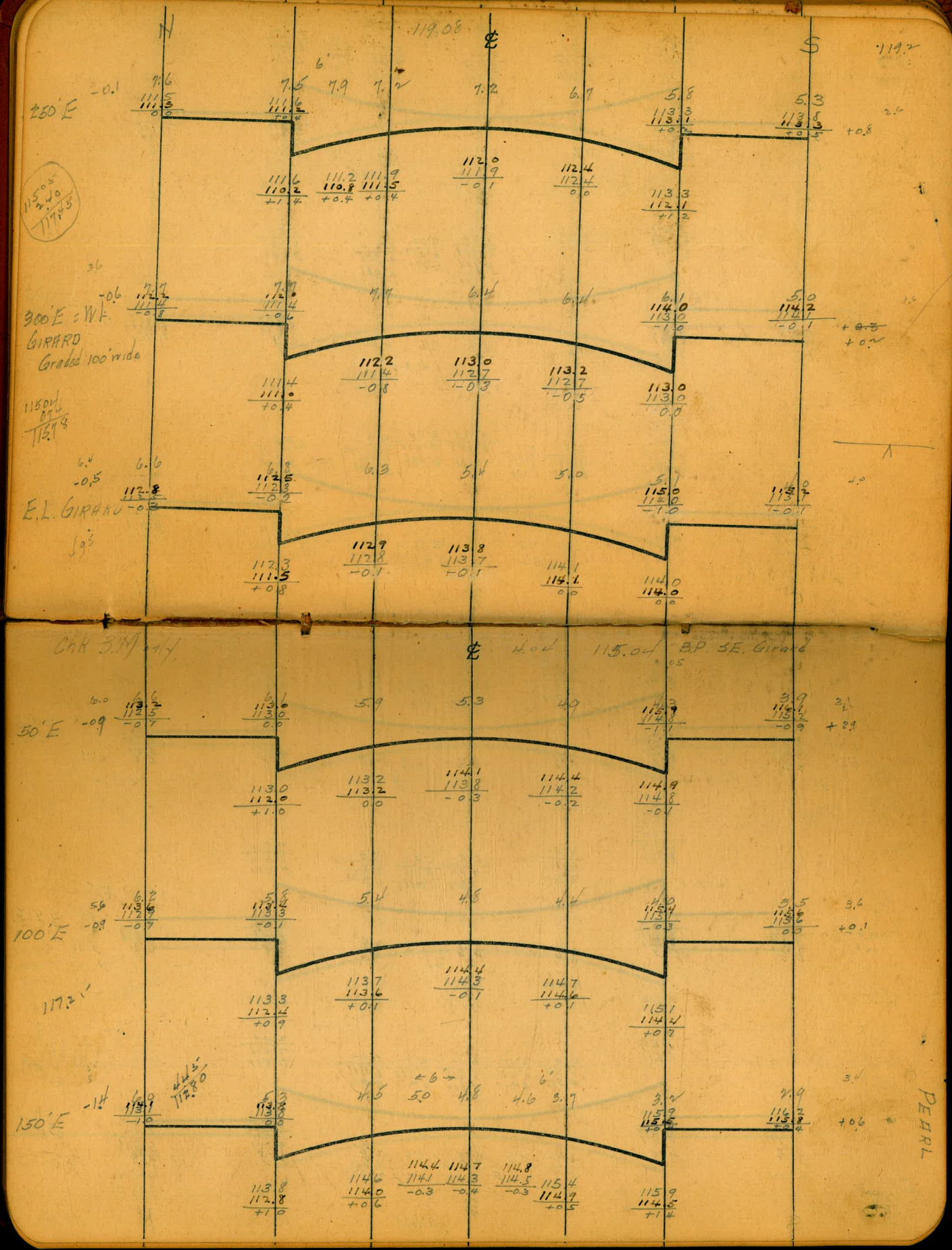

11598
N
112.20
℄
S
50' E
100' E
150' E
200' E
250' E
290' E
PEARL

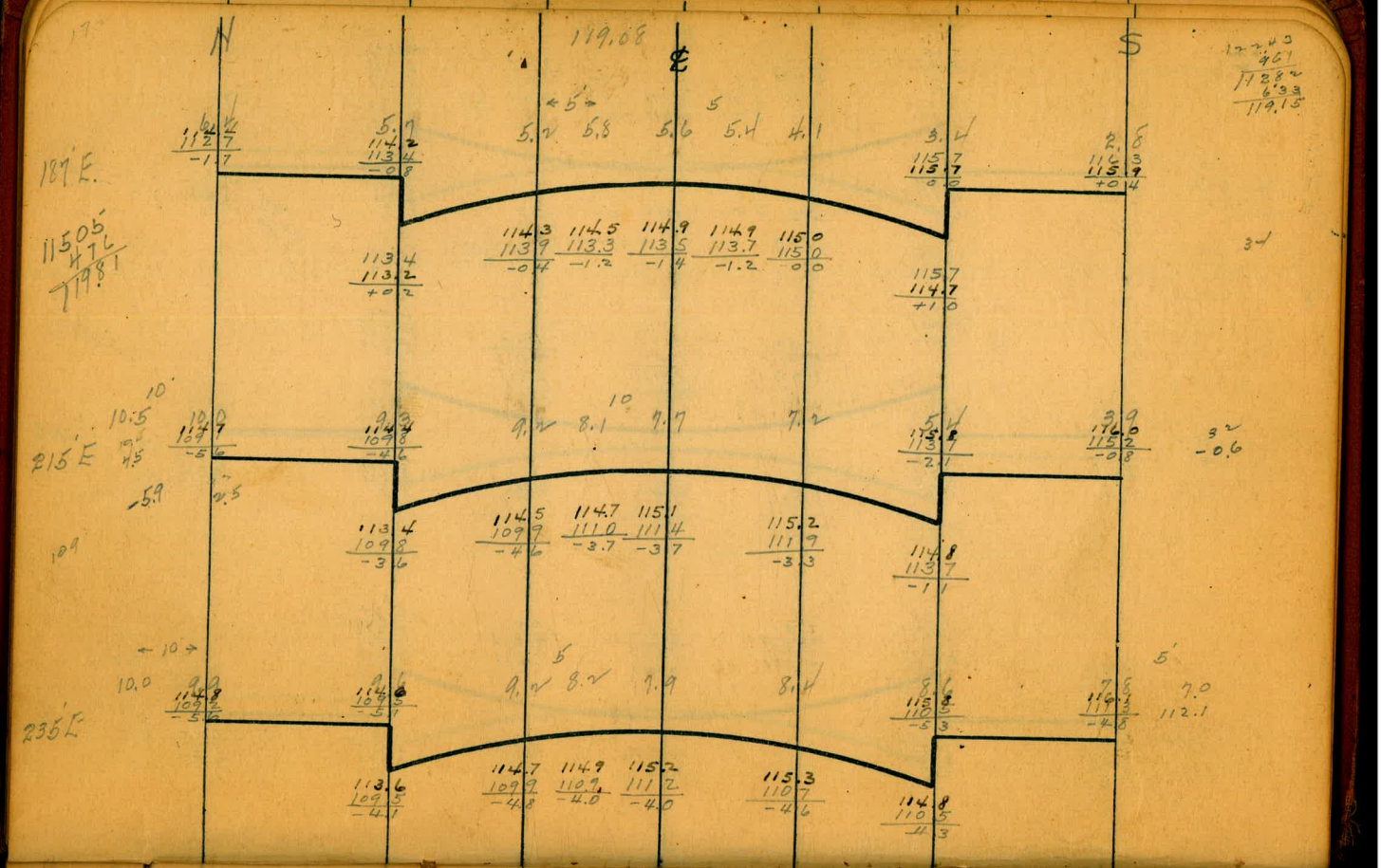

N
S
112.20
300' E. = W.L. FAY
Graded 80' wide
E.L. FAY
2.5' E
10' E
chk. BM. only.
0.67
111.53
spk. S.E. FAY
50' E
100' E
PEARL
119.08





PEARL


N
S
℄
119.08
119.2
250' E
300' E = W.L.
GIRARD
Graded 100' wide
E.L. GIRARD
CAK B.M. only
B.P. SE. Girard
50' E
100' E
150' E
PEARL


N
S
℄
119.08
187' E.
215' E
235' E
255' E
280' E = W.L.
Herschell
60' wide
10' cbs
10' ½s
Nr. cb
PEARL

N ℄ S

119.08

122.43

W. Quarter

5.3 5.9 5.9 5.1 4.6 4.3 4.2

115.0 / 113.8 / -1.2
114.3 / 113.2 / -1.1
115.3 / 113.2 / -2.1
115.8 / 114.0 / -1.8
115.8 / 114.5 / -1.3
115.3 / 114.8 / -0.5
116.0 / 114.9 / -1.1

Center Herschell

4.2 4.6 4.7 4.5 4.2 4.2 4.0

✓ 115.5 / 114.9 / -0.6
114.5 / 114.5 / 0.0
115.5 / 114.4 / -1.1
116.0 / 114.6 / -1.4
116.0 / 114.9 / -1.1
115.5 / 115.4 / -0.1
116.5 / 115.1 / -1.4

E. Quarter

3.5 3.8 4.3 4.1 4.1 3.2 3.2

115.6 / 115.5 / +0.1
115.3 / 114.8 / +0.5
115.7 / 114.8 / -0.9
116.2 / 115.0 / -1.2
116.2 / 115.0 / -1.2
115.9 / 115.8 / +0.1
116.5 / 115.9 / -0.6

N ℄ S

E. Curb.

2.8 3.2 3.7 3.6 3.6 2.9 2.0

116.3 / 116.0 / +0.3
116.3 / 115.9 / -0.1
117.6 / 116.8 / -0.8
117.1 / 117.0 / +0.1

116.3 / 115.0 / +1.3
115.9 / 115.0 / +0.9
115.8 / 115.4 / -0.4
116.3 / 115.5 / -0.8
116.3 / 115.5 / -0.8
116.2 / 116.0 / +0.2
117.1 / 116.0 / +1.1

Tie hub
× 30' ×

× 30'
Tie hub.
× B.M.
117.40

E. L. Herschell

2.3 2.5 2.6 2.9 3.2 3.7 1.5

116.8 / 116.2 / +0.6
116.6 / 116.0 / +0.6
117.6 / 115.4 / -1.6
117.6 / 117.2 / +0.4
5.2
+0.4

126.2
+0.3 100
116.16
114.08
8.17
T.D.
117.25

116.6 / 115.0 / +1.6
116.5 / 116.0 / +0.5
116.5 / 116.7 / -0.3
116.5 / 115.9 / -0.6
116.0 / 115.4 / -0.6

12.93 131.44 0.57 118.51

50' E.

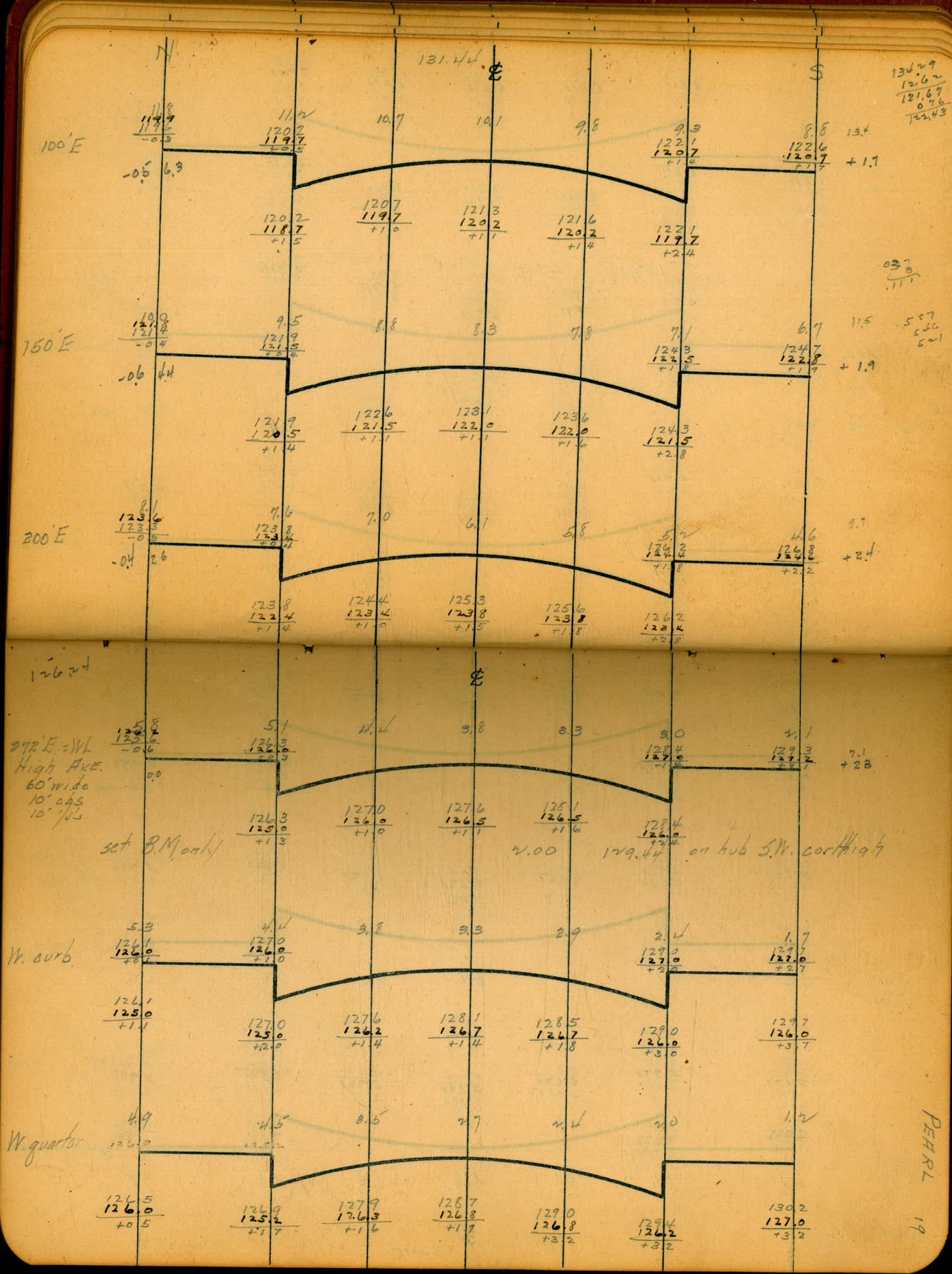
13.3 12.8 12.1 11.9 11.8 11.8 12.2

119.1 / 118.1 / 0.0
118.6 / 117.8 / +0.8
119.6 / 118.8 / +0.8
119.2 / 119.1 / +0.1
33
-0.1

-0.1 8.1

118.6 / 116.2 / +2.4
119.3 / 117.8 / +1.5
119.5 / 118.3 / +1.2
119.6 / 118.3 / +1.3
119.6 / 117.8 / +1.8

PEARL 18


N
S
131.44
℄
100'E
150'E
200'E
272'E = WL
High Pke.
60' wide
10' obs
10' 1/2
W. curb
W. quarter
set B.M only
2.00
129.44 on hub S.W. corr High
PEARL
19

N 131.44 ℄ S

134.79

Center High St.

4.2 3.7 3.1 2.1 1.9 1.6 0.7

127.2 / 126.5 / +0.7
127.7 / 125.5 / +2.2
128.3 / 126.5 / +1.8
129.3 / 127.0 / +2.3
129.5 / 127.0 / +2.5
129.8 / 126.5 / +3.3
130.7 / 127.5 / +3.2

10'
133.2
7.5
140.7

E. Quarter

3.7 3.5 2.6 1.9 1.7 1.2 0.5

127.7 / 126.5 / +1.2
127.9 / 125.8 / +2.1
128.8 / 126.7 / +2.1
129.5 / 127.2 / +2.3
129.7 / 127.2 / +2.5
130.2 / 126.8 / +3.4
130.9 / 127.5 / +3.4

133.2
0.40
133.64

66.4

E. cb

3.2 3.1 2.3 1.6 1.4 0.8 0.0

128.2 / 127.0 / +1.2
128.3 / 127.0 / +1.3
130.6 / 128.0 / +2.6
131.4 / 128.0 / +3.4

128.2 / 126.0 / +2.2
128.3 / 126.0 / +2.3
129.1 / 126.8 / +2.3
129.8 / 127.3 / +2.5
130.0 / 127.3 / +2.7
130.6 / 127.0 / +3.6
131.4 / 127.0 / 4.4

T.P. Tie hub. N 11.93 14320 ℄ 0.17 131.27 S

BM 133.24 x Tie hub

x 5.1 x 30'

14.4 14.3 13.7 13.1 12.8 12.2 11.5

E.L. High St

128.8 / 127.2 / +1.6
128.9 / 127.0 / +1.9
130.0 / 128.0 / +3.0
131.7 / 128.2 / +3.5
6.1 +3.6

+1.4 11.8

128.9 / 126.0 / +2.9
129.5 / 127.0 / +2.5
130.1 / 127.5 / +2.6
130.4 / 127.5 / +2.9
131.0 / 127.0 / +4.0

1320
1252
126.20
0.04
126.24

11.2 11.8 11.8 11.2 10.8 10.7 9.9

40'E

132.0 / 131.4 / +0.6
131.4 / 131.1 / +0.3
132.5 / 132.1 / +0.4
133.3 / 132.4 / +0.9

131.4 / 130.1 / +1.3
131.4 / 131.1 / +0.3
132.0 / 131.6 / +0.4
132.4 / 131.6 / +0.8
132.5 / 131.1 / +1.4

50'E

+0.4 13+50 6.6

132.15

132.31

9.1 8.7 8.5 8.3 7.2 6.8

70'E

134.5 / 134.1 / -0.4
134.1 / 134.1 / -0.1
136.0 / 135.2 / +0.8
136.4 / 135.5 / +0.9
+0.9

134.1 / 133.2 / +0.9
134.5 / 134.2 / +0.3
134.7 / 134.7 / 0.0
134.9 / 134.7 / +0.2
136.0 / 134.2 / +1.8

PEARL

20

N ℄ S

143.20

100'E

135'E

T.P. 150'E

170'E

200'E

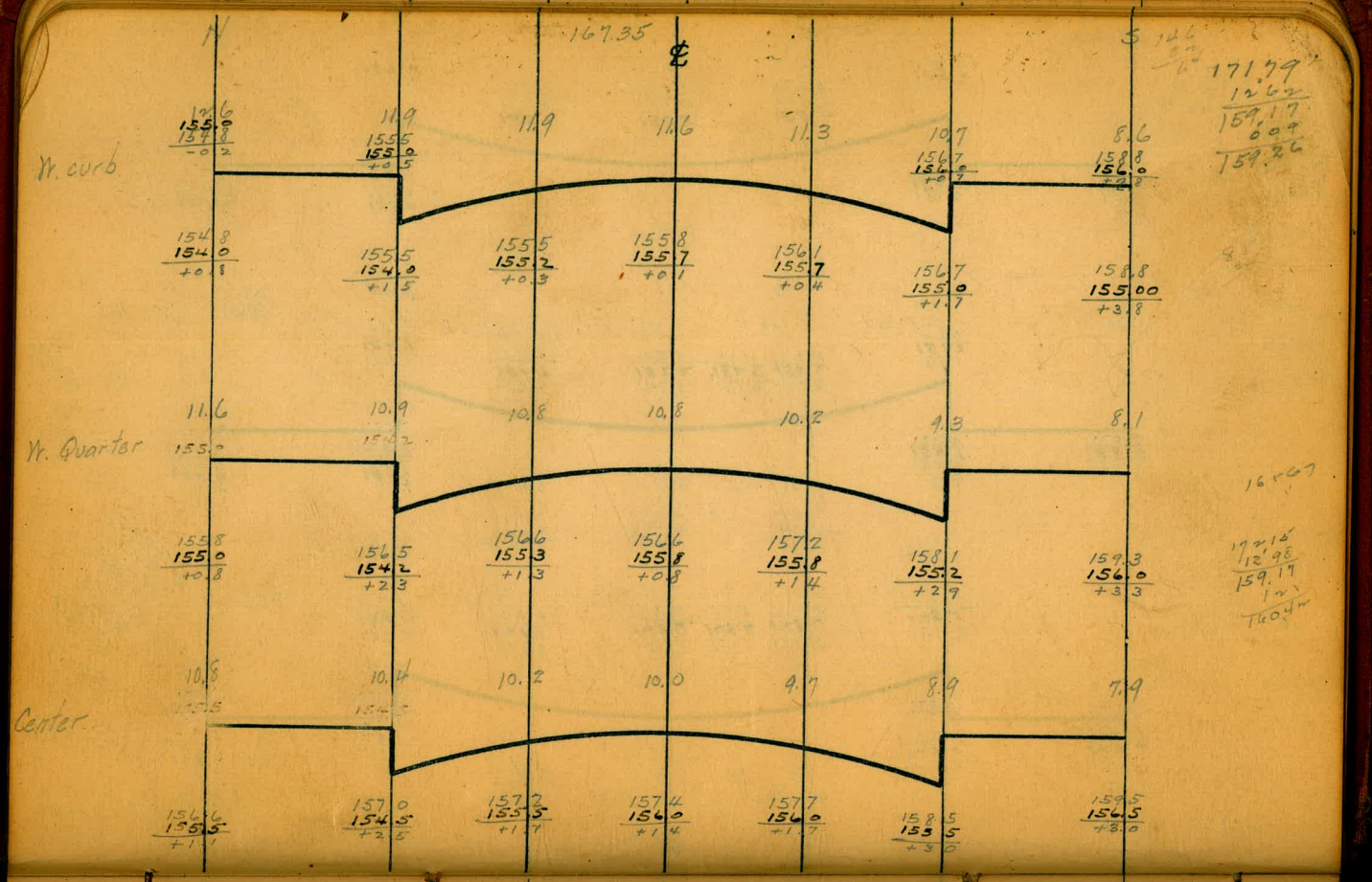
205'E

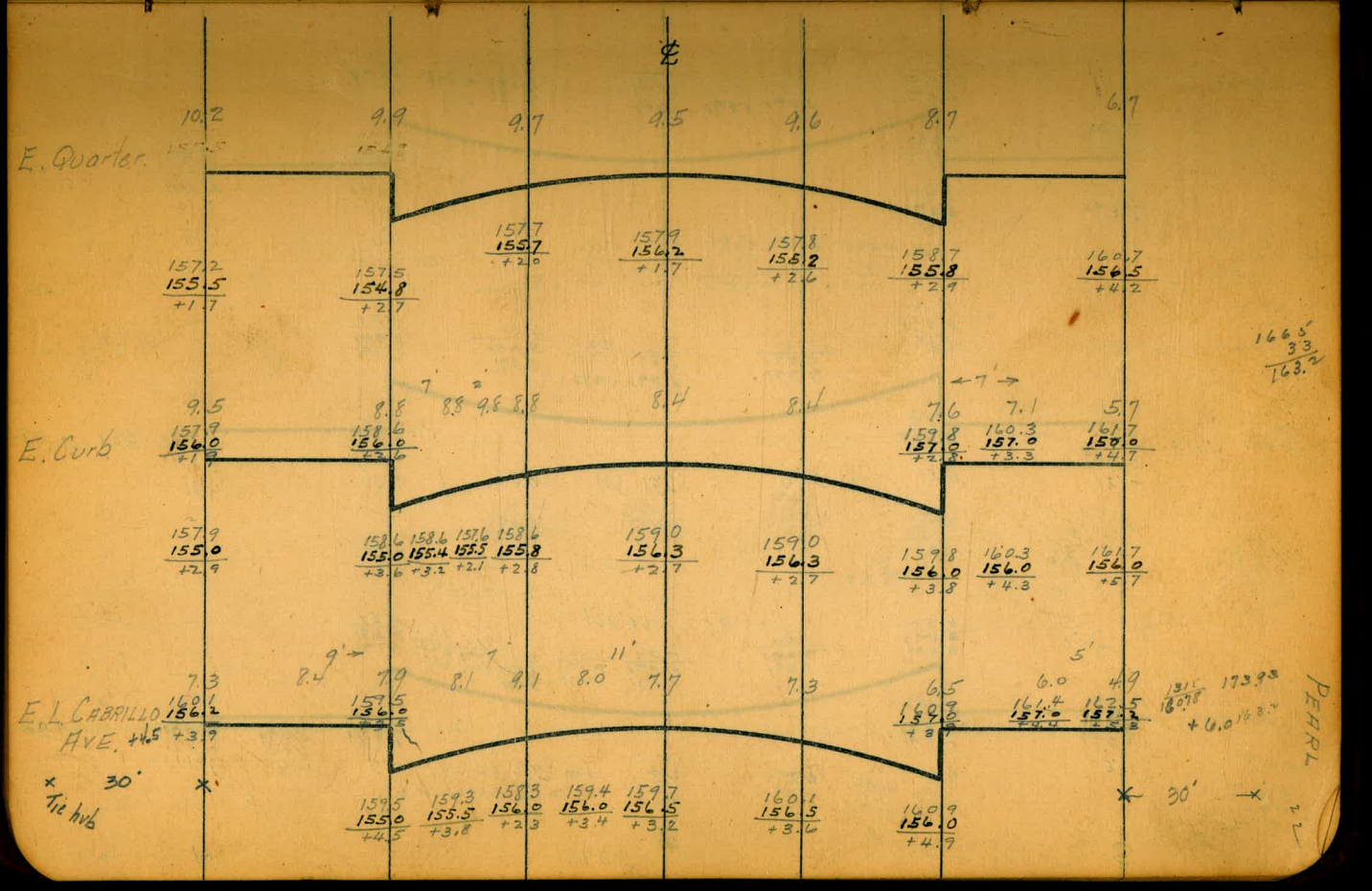
240'E

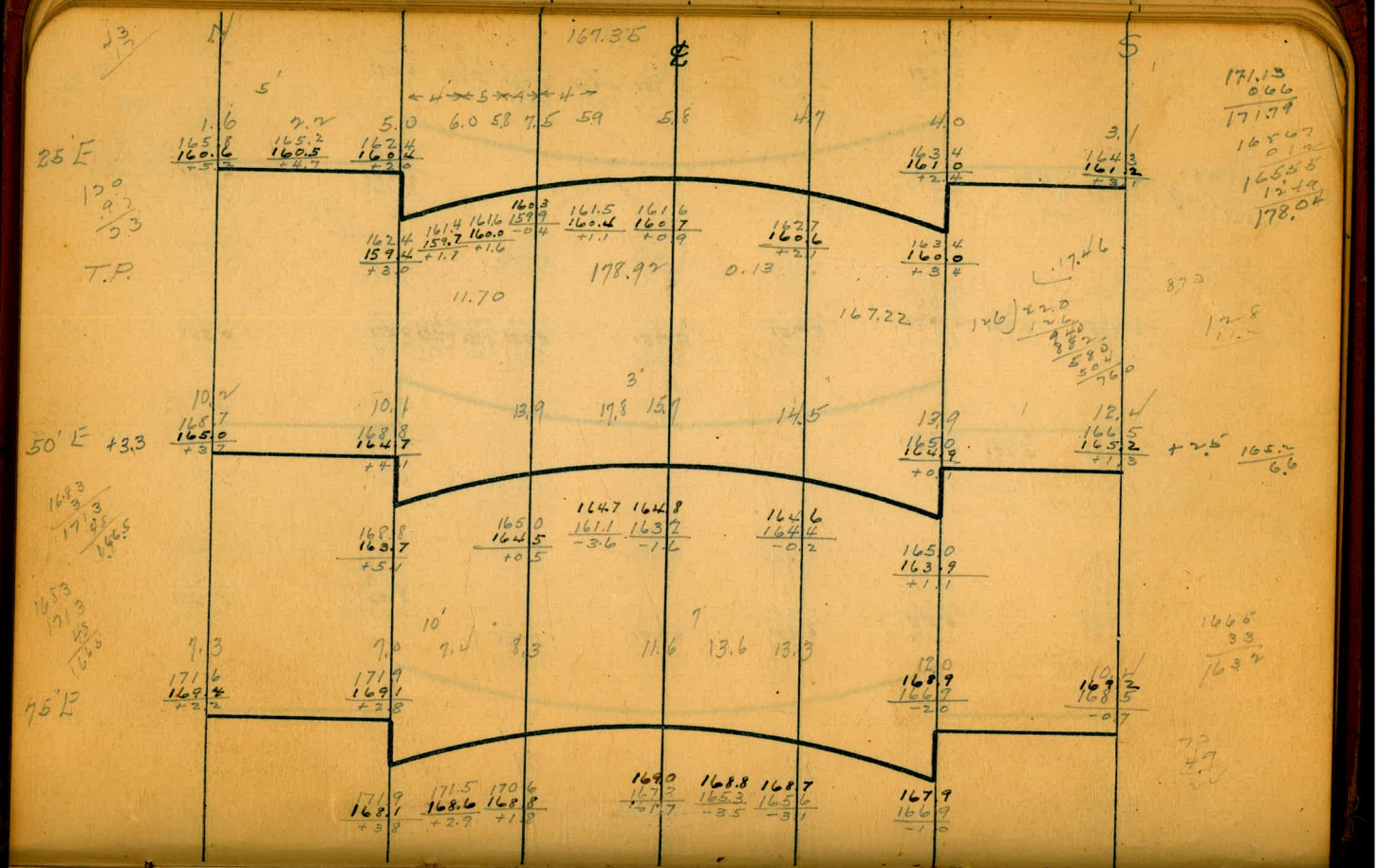
T.P.

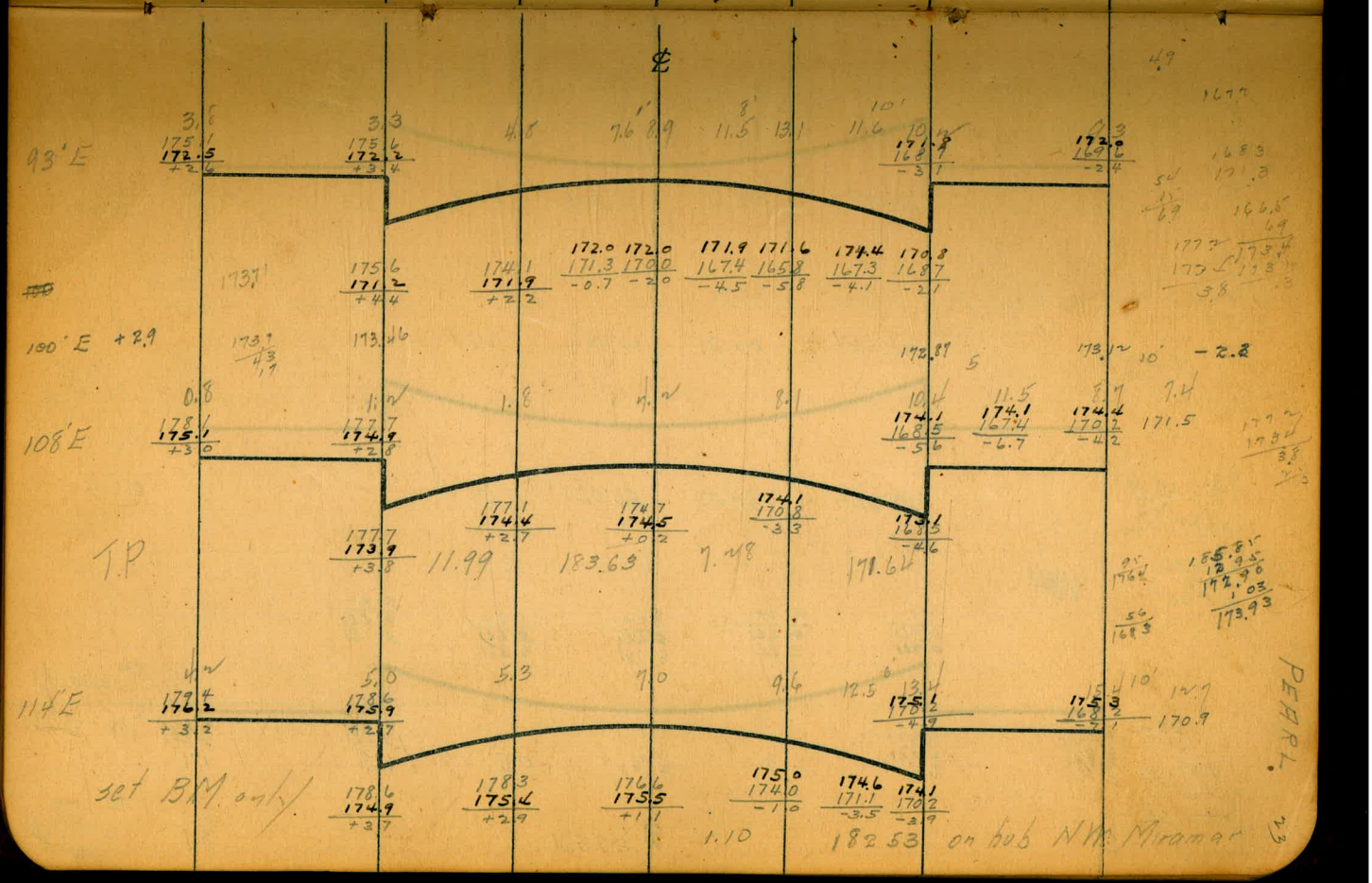
set B.M. on hub S.W. Cabrillo

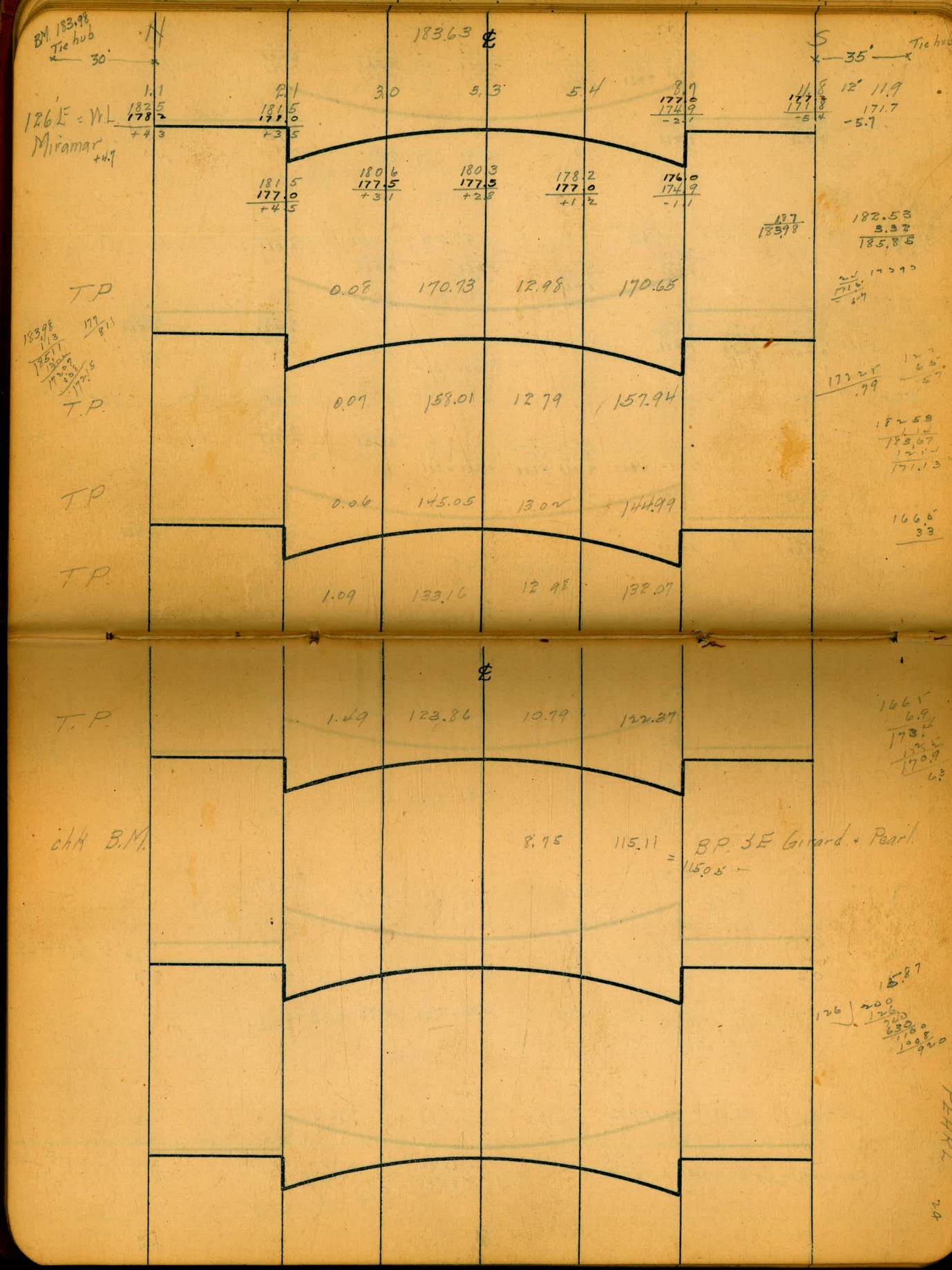
292'E = Mt. Cabrillo Ave.
60' wide
10' CBS
10' F.S.


N
S
167.35
℄
Nr. curb
Nr. Quarter
Center
171.79
159.26
160.4

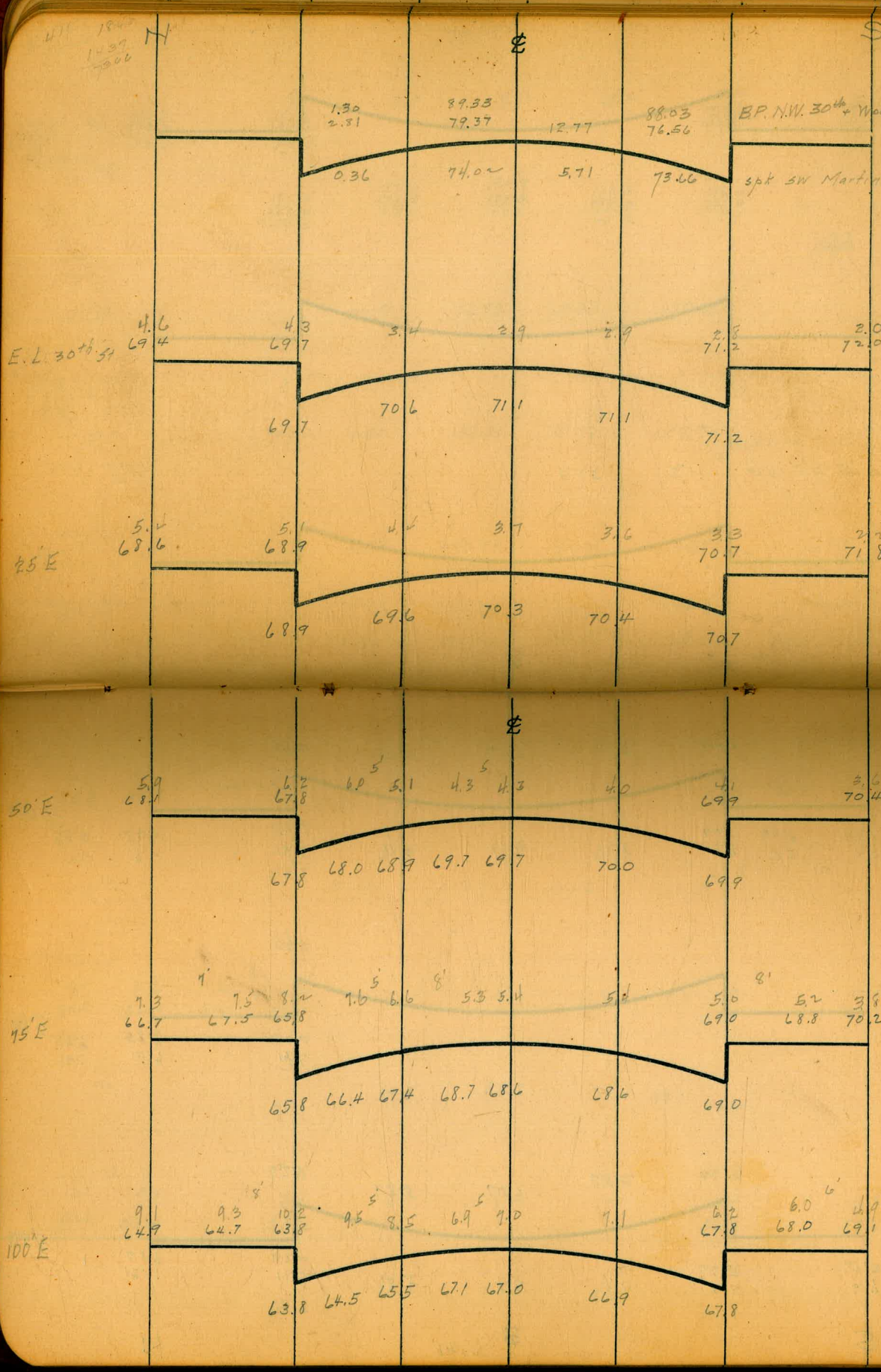

℄
E. Quarter
E. Curb
E. L. CABRILLO AVE.
Tie hub
30'
PEARL
173.98
163.2

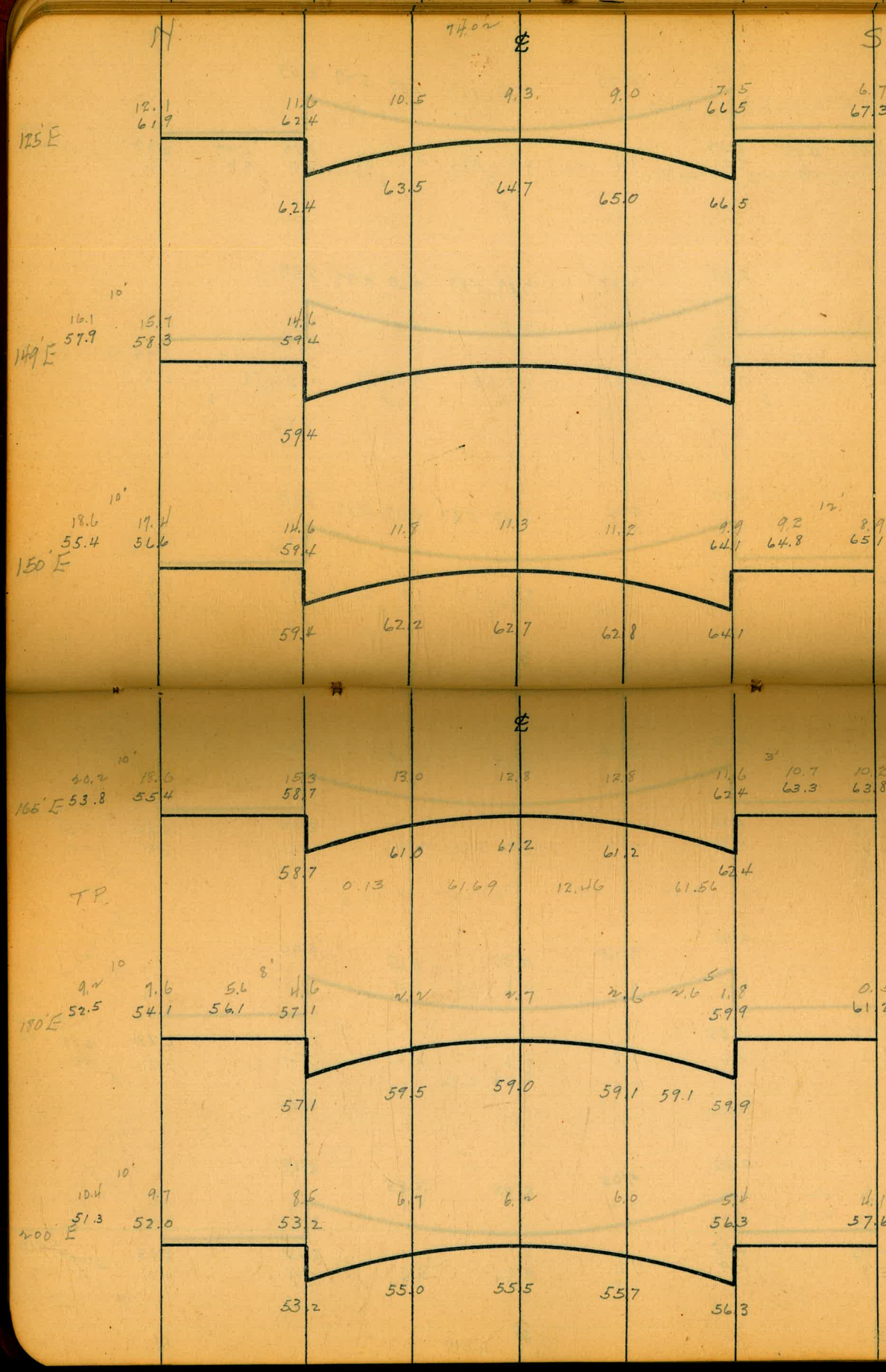

N
S
℄
25' E
50' E
75' E
T.P.


℄
93' E
100' E
108' E
114' E
T.P.
set BM. only


BM. 183.98
Tie hub
30'
N
183.63 ℄
S
35'
Tie hub
126' E = WL
Miramar
+4.7
1.1
182.5
178.2
+4.3
2.1
181.5
177.0
+3.5
3.0
3.3
5.4
8.7
177.0
174.9
-2.1
11.8
177.8
171.8
-5.4
12'
11.9
171.7
-5.7
181.5
177.0
+4.5
180.6
177.5
+3.1
180.3
177.5
+2.8
178.2
177.0
+1.2
176.0
174.9
-1.1
187
183.98
182.53
3.32
185.85
T.P.
0.08
170.73
12.98
170.65
T.P.
0.07
158.01
12.79
157.94
T.P.
0.06
145.05
13.02
144.99
T.P.
1.09
133.16
12.98
132.07
℄
T.P.
1.49
123.86
10.79
122.37
chk B.M.
8.75
115.11
= 115.05
B.P. SE Girard + Pearl
PEARL

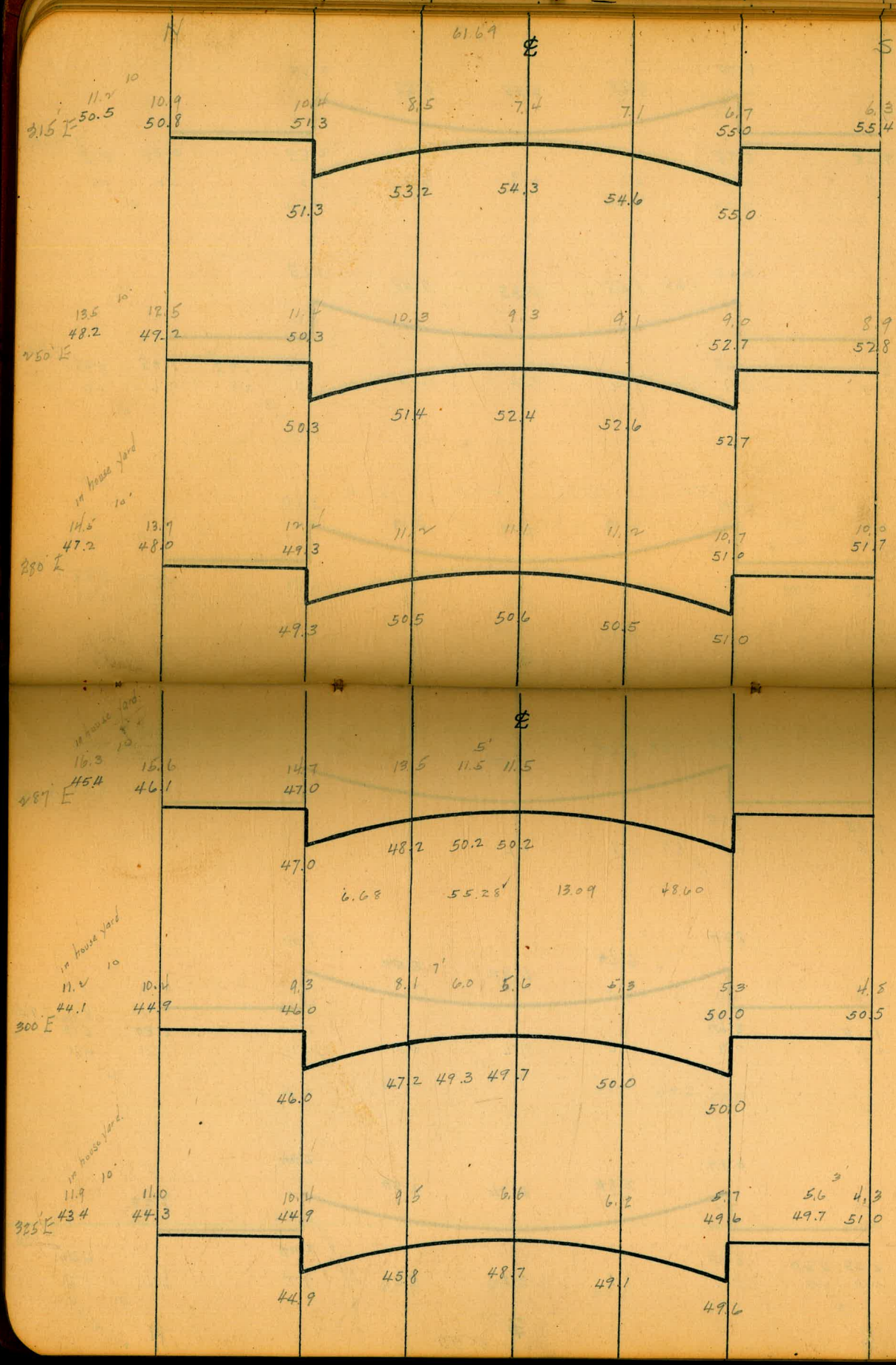
Cross Section of Martin Ave.
from E.L. of 30th St. to E.L. of 31st St.
80' wide
14' cgs
13' ties

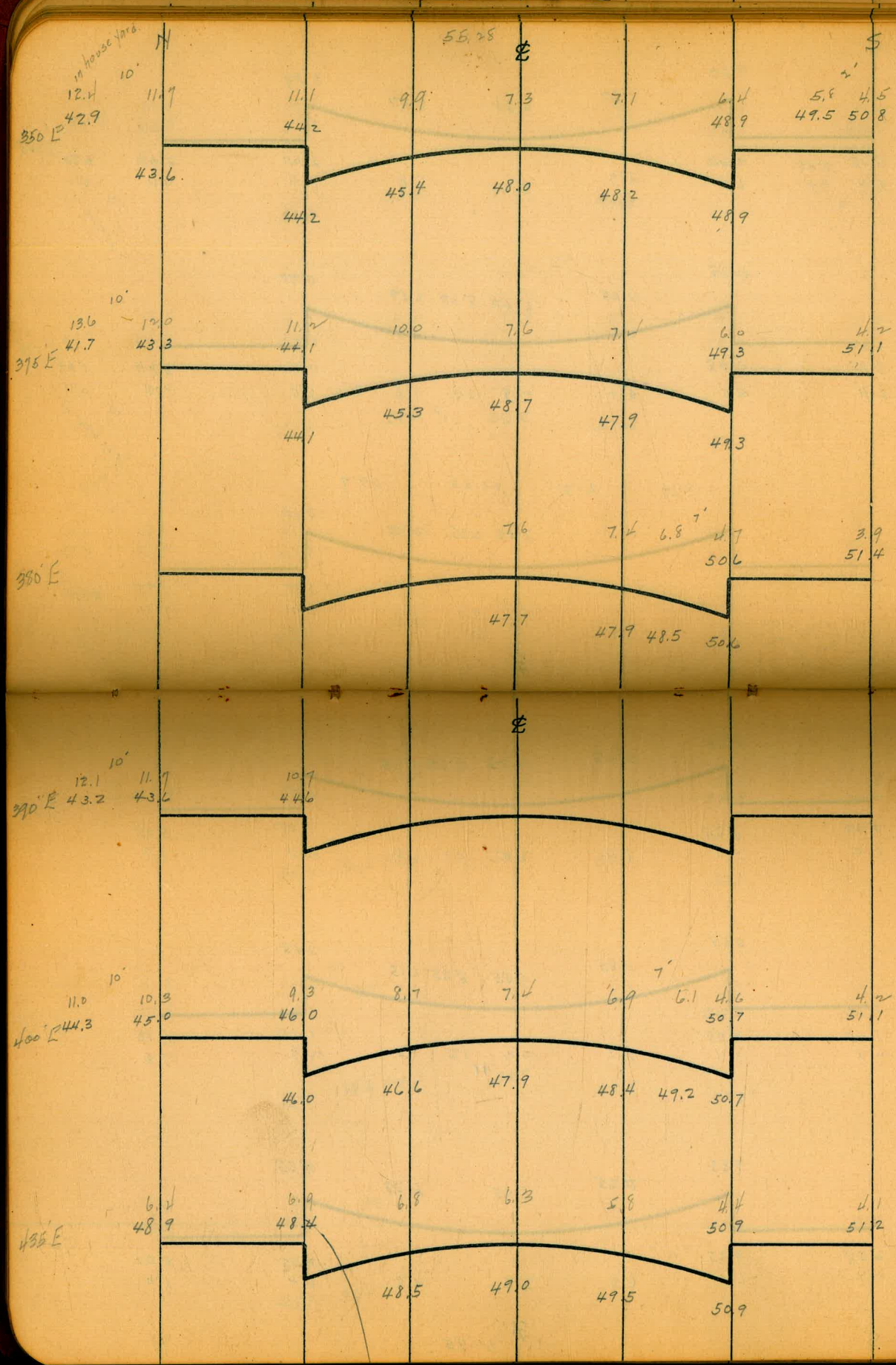


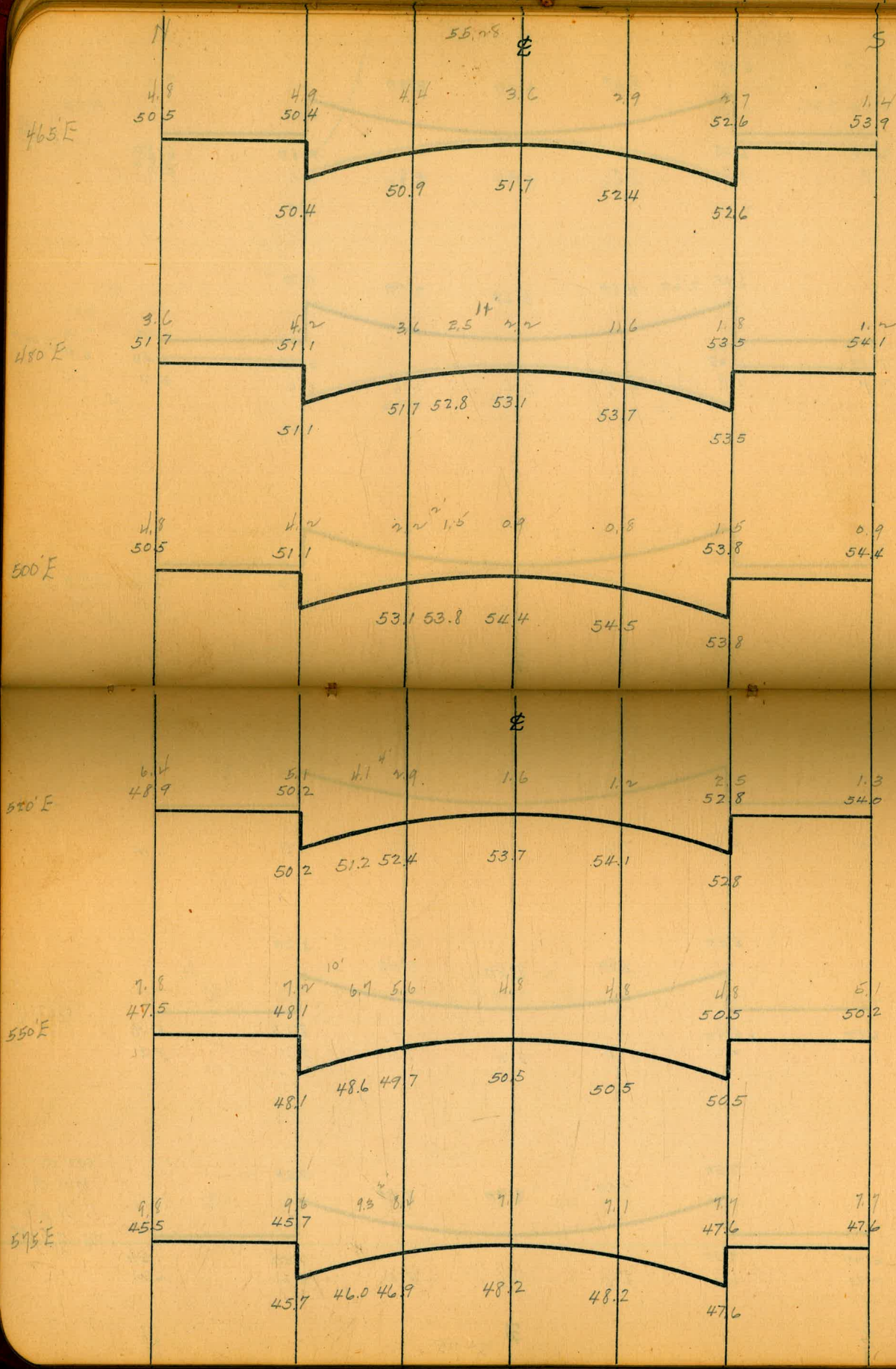

N
74.02
℄
S
125'E
12.1 61.9
11.6 62.4
10.5
9.3
9.0
7.5 66.5
6.7 67.3
63.5
64.7
65.0
66.5
62.4
10'
16.1 57.9
15.7 58.3
14.6 59.4
149'E
59.4
10'
18.6 55.4
17.4 56.6
14.6 59.4
11.8
11.3
11.2
9.9 64.1
12'
9.2 64.8
8.9 65.1
150'E
59.4
62.2
62.7
62.8
64.1
℄
10'
20.2 53.8
18.6 55.4
15.3 58.7
13.0
12.8
12.8
11.6 62.4
3'
10.7 63.3
10.2 63.8
165'E
61.0
61.2
61.2
58.7
62.4
0.13
61.69
12.46
61.56
T.P.
10
9.2 52.5
7.6 54.1
8'
5.6 56.1
4.6 57.1
2.2
2.7
2.6
5
2.6
1.8 59.9
0.5 61.2
180'E
57.1
59.5
59.0
59.1
59.1
59.9
10'
10.4 51.3
9.7 52.0
8.5 53.2
6.7
6.2
6.0
5.4 56.3
4.1 57.6
200'E
53.2
55.0
55.5
55.7
56.3

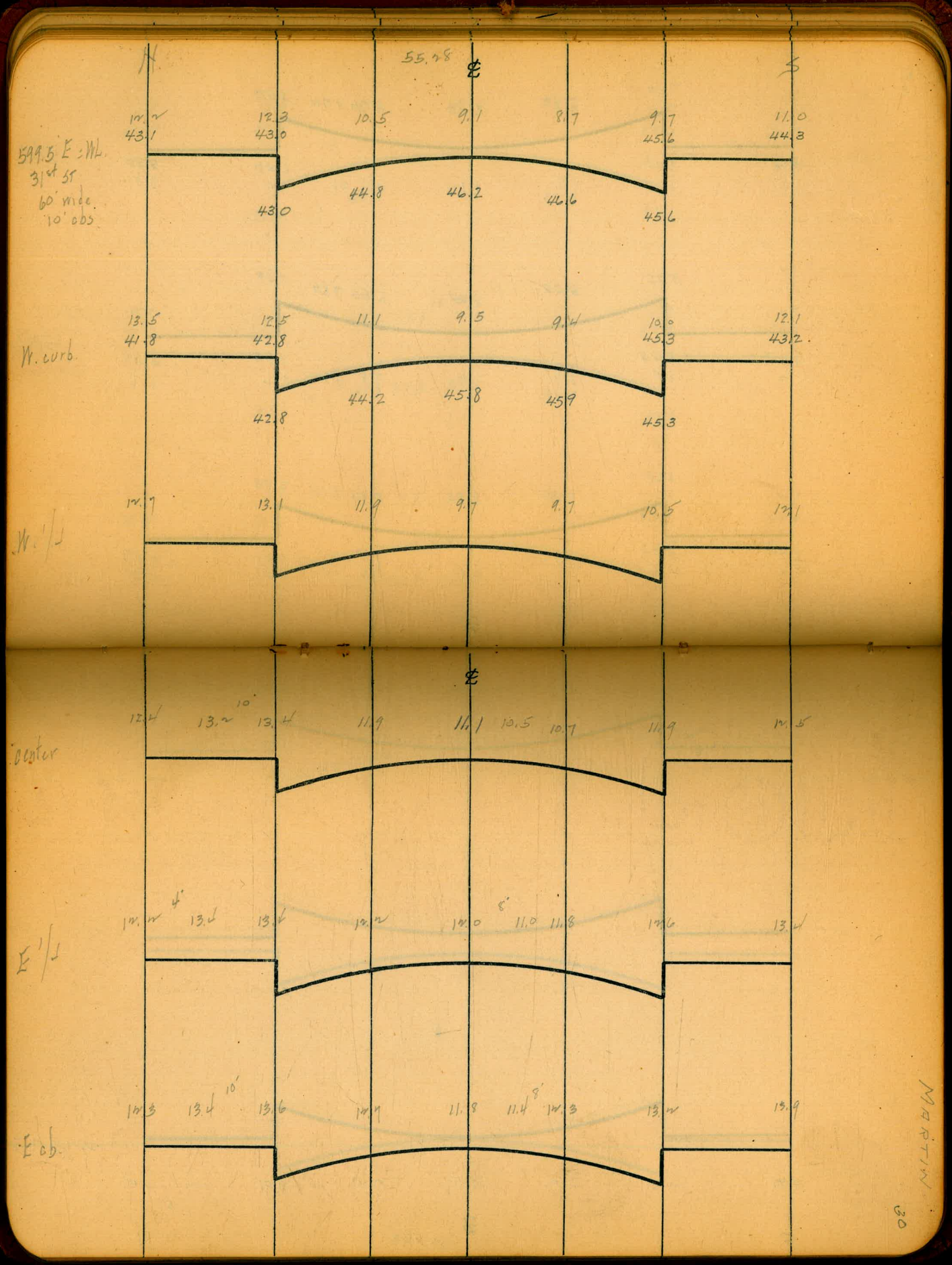
MARTIN

26


N
61.69
℄
S
11.2 10
10.9
10.4
8.5
7.4
7.1
6.7
6.3
315' E 50.5
50.8
51.3
55.0
55.4
53.2
54.3
54.6
51.3
55.0
13.5 10
12.5
11.4
10.3
9.3
9.1
9.0
8.9
48.2
49.2
50.3
52.7
52.8
250' E
50.3
51.4
52.4
52.6
52.7
in house yard
14.5 10
13.7
12.4
11.2
11.1
11.2
10.7
10.0
47.2
48.0
49.3
51.0
51.7
280' E
49.3
50.5
50.6
50.5
51.0
in house yard
16.3
15.6
14.7
13.5
5'
11.5
11.5
45.4
46.1
47.0
487' E
47.0
48.2
50.2
50.2
6.68
55.28
13.09
48.60
in house yard
11.2 10
10.4
9.3
8.1
7'
6.0
5.6
5.3
5.3
4.5
44.1
44.9
46.0
50.0
50.5
300' E
46.0
47.2
49.3
49.7
50.0
50.0
in house yard
11.9 10
11.0
10.4
9.5
6.6
6.2
5.7
5.6
3'
4.3
43.4
44.3
44.9
49.6
49.7
51.0
325' E
44.9
45.8
48.7
49.1
49.6
NORTH


N
S
℄
55.28
in house yard
10'
12.4
11.7
11.1
9.9
7.3
7.1
6.4
5.8
4.5
350 E 42.9
44.2
48.9
49.5
50.8
43.6
45.4
48.0
48.2
44.2
48.9
10'
13.6
12.0
11.2
10.0
7.6
7.4
6.0
4.2
41.7
43.3
44.1
49.3
51.1
375 E
45.3
48.7
47.9
44.1
49.3
7.6
7.4
6.8
7'
4.7
3.9
50.6
51.4
380 E
47.7
47.9
48.5
50.6
℄
10'
12.1
11.7
10.7
390 E 43.2
43.6
44.6
10'
7'
11.0
10.3
9.3
8.7
7.4
6.9
6.1
4.6
4.2
400 E 44.3
45.0
46.0
50.7
51.1
46.0
46.6
47.9
48.4
49.2
50.7
6.4
6.9
6.8
6.3
5.8
4.4
4.1
48.9
48.4
50.9
51.2
435 E
48.5
49.0
49.5
50.9
MARTIN
28


N
S
℄
55.08
465'E
4.8 50.5
4.9 50.4
4.4
3.6
2.9
2.7 52.6
1.4 53.9
50.4
50.9
51.7
52.4
52.6
480'E
3.6 51.7
4.2 51.1
3.6
2.5
2.2
1.6
1.8 53.5
1.2 54.1
51.1
51.7 52.8
53.1
53.7
53.5
500'E
4.8 50.5
4.2 51.1
2.2
1.5
0.9
0.8
1.5 53.8
0.9 54.4
53.1 53.8
54.4
54.5
53.8
℄
520'E
6.4 48.9
5.1 50.2
4.1
2.9
1.6
1.2
2.5 52.8
1.3 54.0
50.2
51.2 52.4
53.7
54.1
52.8
550'E
7.8 47.5
7.2 48.1
6.7
5.6
4.8
4.8
4.8 50.5
5.1 50.2
48.1
48.6 49.7
50.5
50.5
50.5
575'E
9.8 45.5
9.6 45.7
9.3
8.4
7.1
7.1
7.7 47.6
7.7 47.6
45.7
46.0 46.9
48.2
48.2
47.6


N
55.78
℄
S
599.5 E : Mt.
31st St
60' wide
10' obs
12.2 43.1
12.3 43.0
10.5
9.1
8.7
9.7 45.6
11.0 44.3
43.0
44.8
46.2
46.6
45.6
W. curb
13.5 41.8
12.5 42.8
11.1
9.5
9.4
10.0 45.3
12.1 43.2
42.8
44.2
45.8
45.9
45.3
W. 1/4
12.7
13.1
11.9
9.7
9.7
10.5
12.1
℄
center
12.4
13.2 10'
13.4
11.9
11.1
10.5
10.7
11.9
12.5
E 1/4
12.2 4'
13.4
13.4
12.2
12.0
8'
11.0
11.8
12.6
13.4
E cb.
12.3
13.4 10'
13.6
12.7
11.8
11.4 8'
12.3
13.2
13.9

MARTIN

30

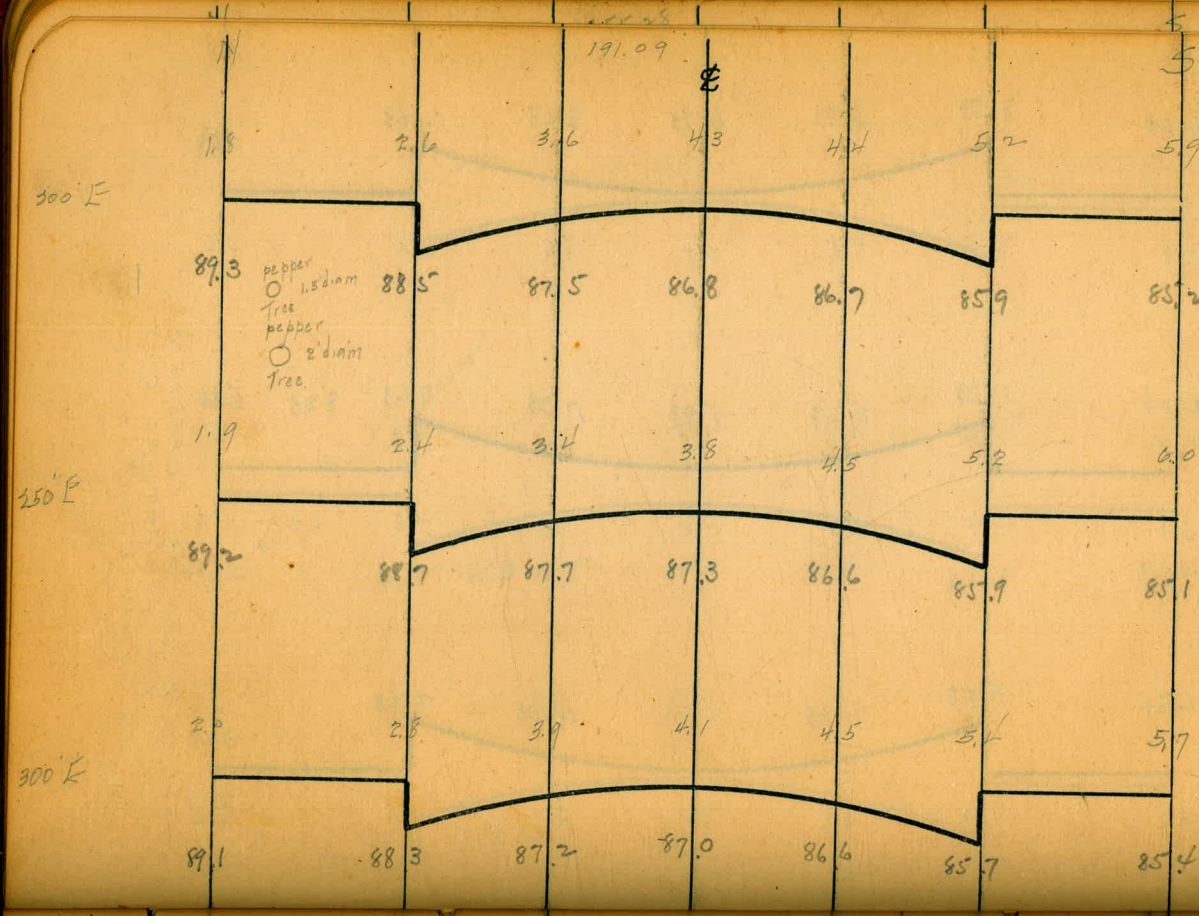
E.L. 31st St.
N
S
E
E
1m.6
1.4.4
1.3.6
1m.6
1.1.6
1m.7
1.3.2
1.4.0
3'
155.08

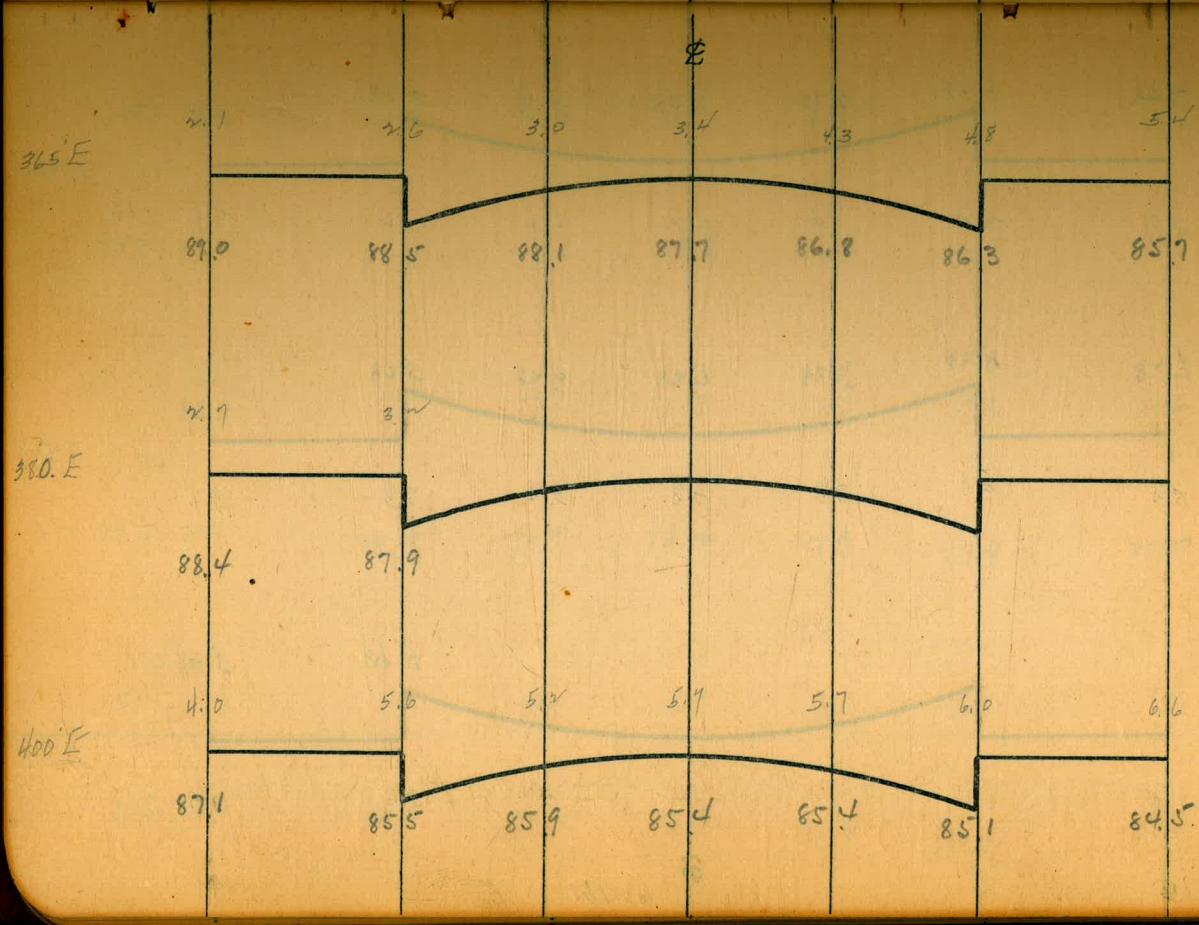
1/11/21 Gregory
Moore
Miller

CROSS SECTION OF
E ST.
from E.L. 30th St.
to E.L. 31st

80' wide
14' curbs

N.B. CAN A GRADE LINE BE LAID TO OBVIATE THE NECESSITY OF REMOVING TREES?


191.09
℄
300' E
1.8 2.6 3.6 4.3 4.4 5.2 5.9
89.3 88.5 87.5 86.8 86.7 85.9 85.2
pepper 1.5' diam tree
pepper 2' diam tree
250' E
1.9 2.4 3.4 3.8 4.5 5.2 6.0
89.2 88.7 87.7 87.3 86.6 85.9 85.1
300' E
2.0 2.8 3.9 4.1 4.5 5.4 5.7
89.1 88.3 87.2 87.0 86.6 85.7 85.4

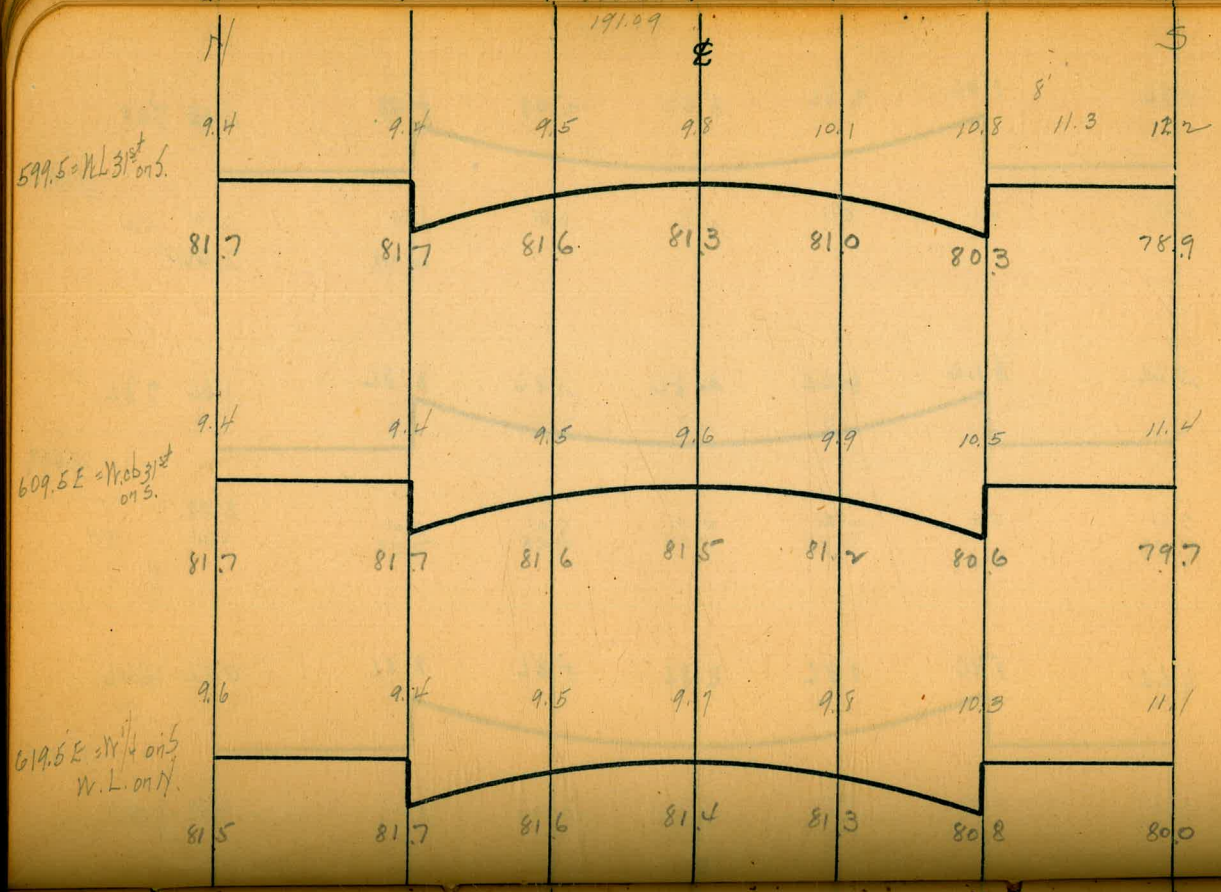

℄
365' E
2.1 2.6 3.0 3.4 4.3 4.8 5.4
89.0 88.5 88.1 87.7 86.8 86.3 85.7
380. E
2.7 3.4
88.4 87.9
400' E
4.0 5.6 5.4 5.7 5.7 6.0 6.6
87.1 85.5 85.9 85.4 85.4 85.1 84.5

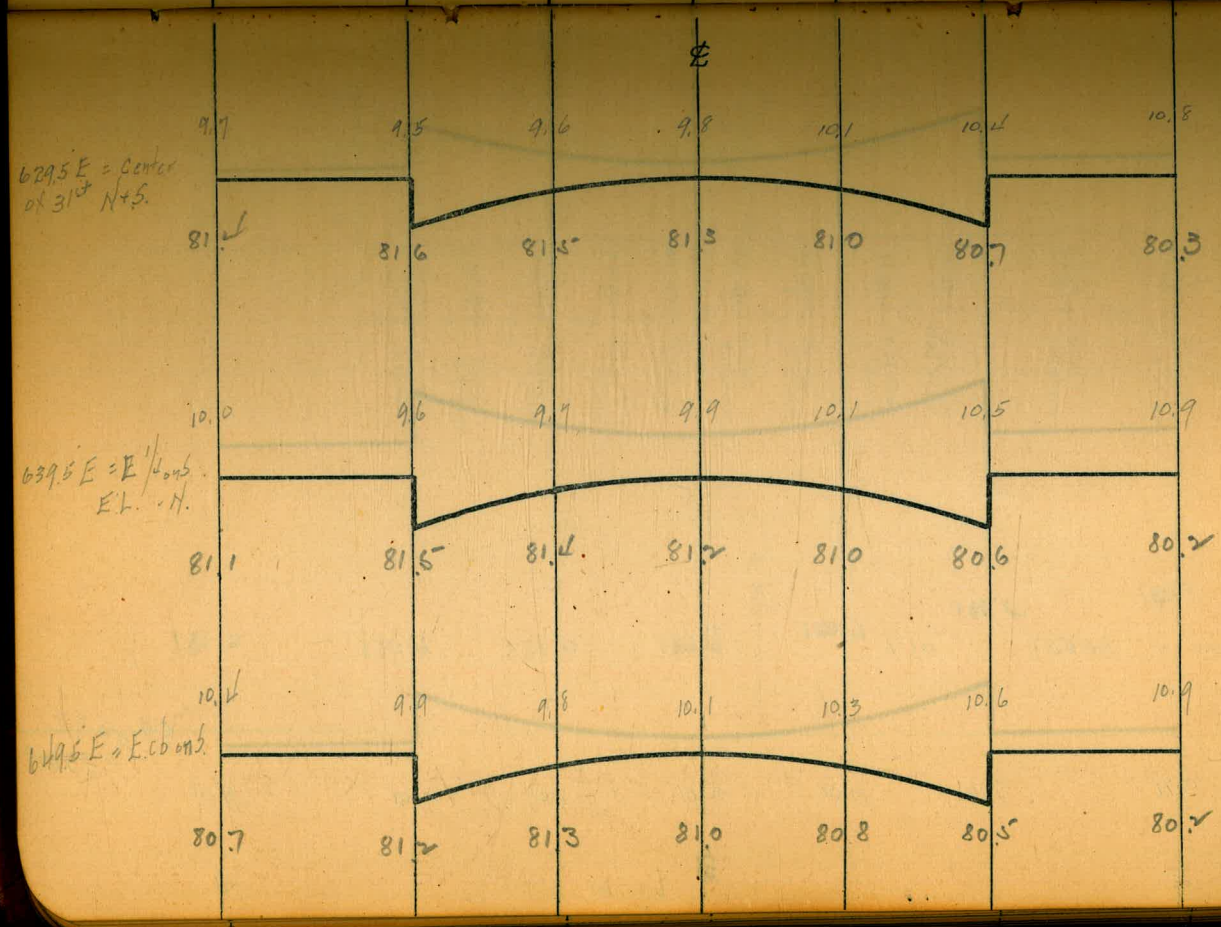
EST.

33

191.09

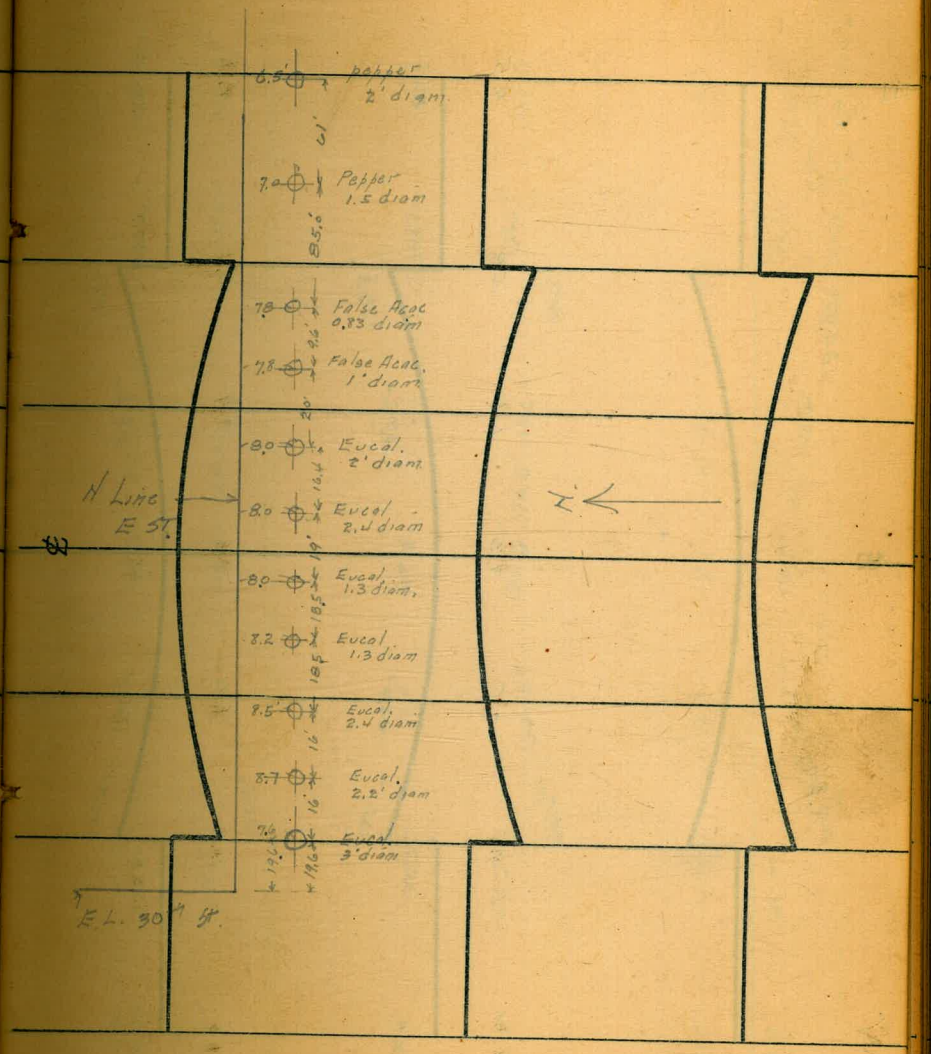
Station		Left offset	N			℄			S	Right offset
410 E	Rod		6.6	6.7						
	Elev.		84.5	84.4						
425 E	Rod		7.8	8.6	8.5	8.4	8.6	8.3	8.4	
	Elev.		83.3	82.5	82.6	82.7	82.5	82.8	82.7	
450 E	Rod	5' 9.0	9.2	10.1	9.7	10.2	10.1	10.2	10.5	10' 10.1
	Elev.	82.1	81.9	81.0	81.4	80.9	81.0	80.9	80.6	81.0
500 E	Rod	10' 11.4	12.1	12.3	12.7	12.8	13.0	13.0	13.2	10' 13.3
	Elev.	79.7	79.0	78.8	78.4	78.3	78.1	78.1	77.9	77.8
525 E	Rod	10' 11.5	12.0	12.3	12.6	12.9	13.2	13.3	13.6	10' 13.7 on lawn
	Elev.	79.6	79.1	78.8	78.5	78.2	77.9	77.8	77.5	
560 E	Rod	5 10.6	10.7	10.7	10.9	11.2	11.9	12.0	12.7 End of walk	10 12.5 on walk
	Elev.	80.5	80.4	80.4	80.2	79.9	79.2	79.1	78.4	78.6

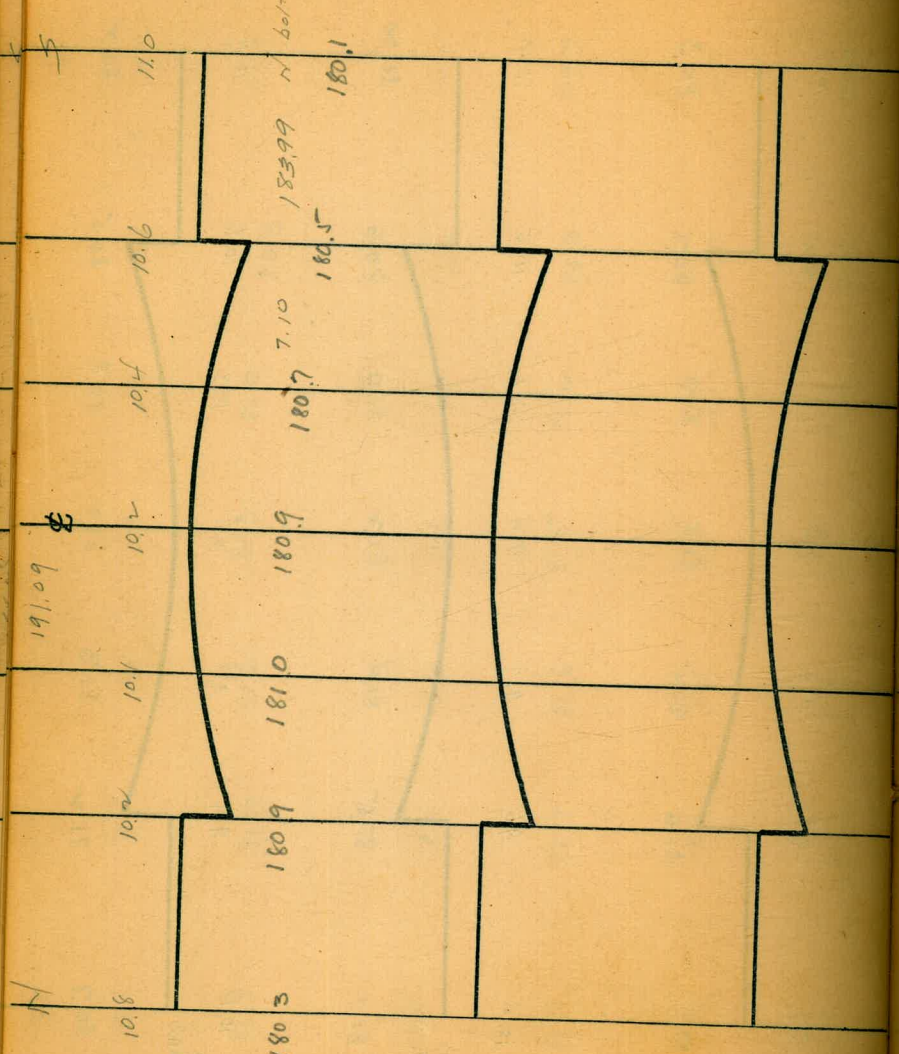

N
S
℄
191.09
599.5 = N.L. 31st on S.
9.4 9.4 9.5 9.8 10.1 10.8 11.3 12.2
81.7 81.7 81.6 81.3 81.0 80.3 78.9
609.5 E = N.cb 31st on S.
9.4 9.4 9.5 9.6 9.9 10.5 11.4
81.7 81.7 81.6 81.5 81.2 80.6 79.7
619.5 E = N 1/4 on S W.L. on N.
9.6 9.4 9.5 9.7 9.8 10.3 11.1
81.5 81.7 81.6 81.4 81.3 80.8 80.0


℄
629.5 E = Center of 31st N+S.
9.7 9.5 9.6 9.8 10.1 10.4 10.8
81.4 81.6 81.5 81.3 81.0 80.7 80.3
639.5 E = E 1/4 on S. E.L. N.
10.0 9.6 9.7 9.9 10.1 10.5 10.9
81.1 81.5 81.4 81.2 81.0 80.6 80.2
649.5 E = E.cb on S.
10.4 9.9 9.8 10.1 10.3 10.6 10.9
80.7 81.2 81.3 81.0 80.8 80.5 80.2

EST

1/19/22 Gregory. Location of Trees on E St. bet. 30th + 31st



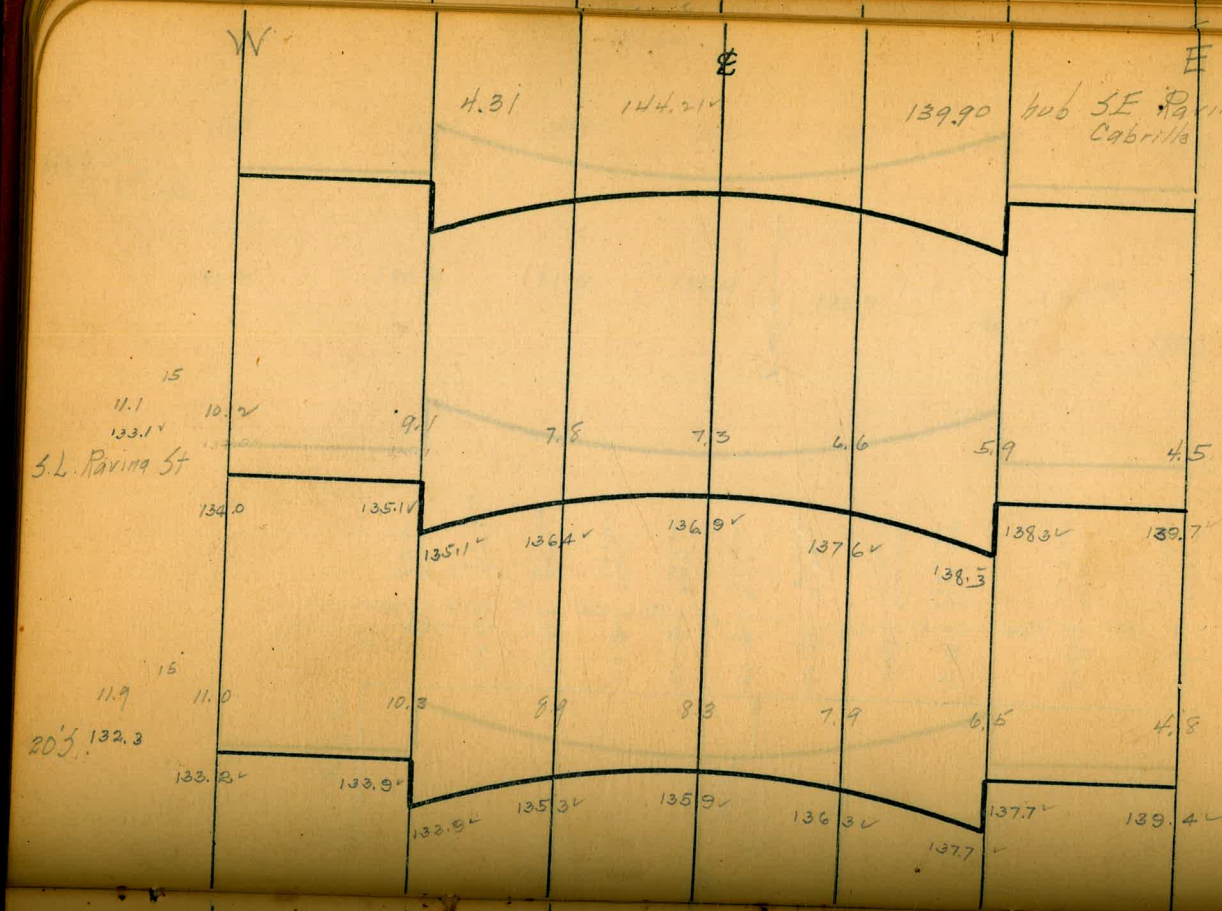


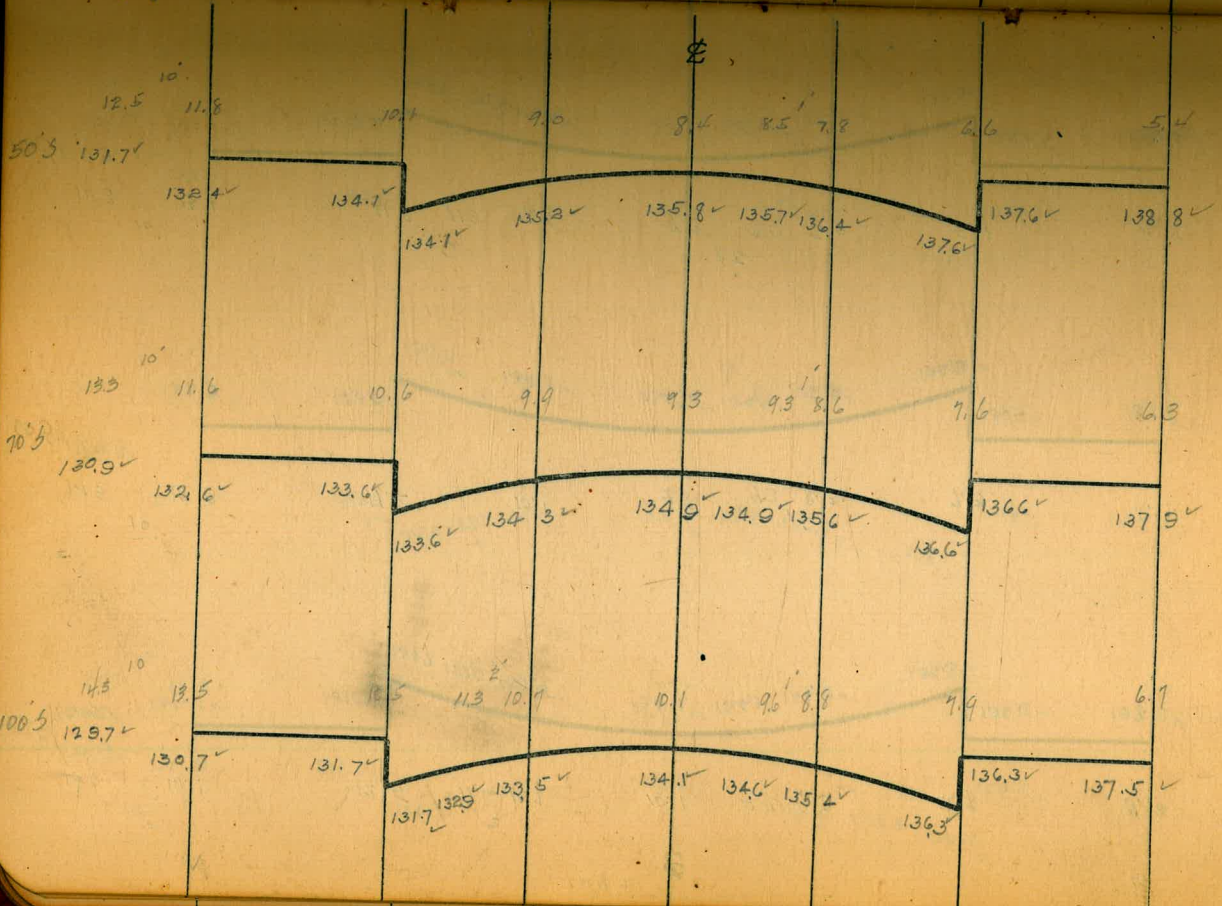
7/24/21

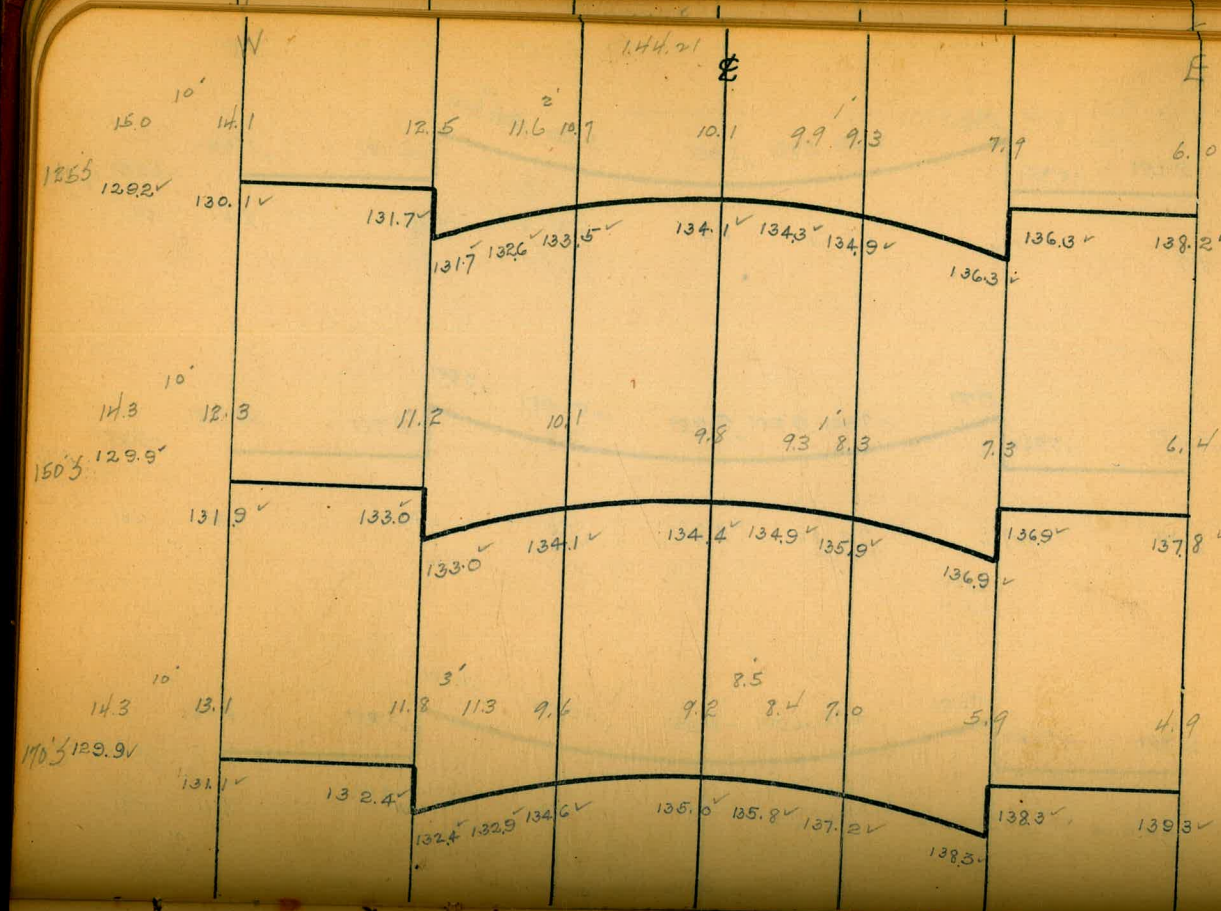
Gregory Moore Miller

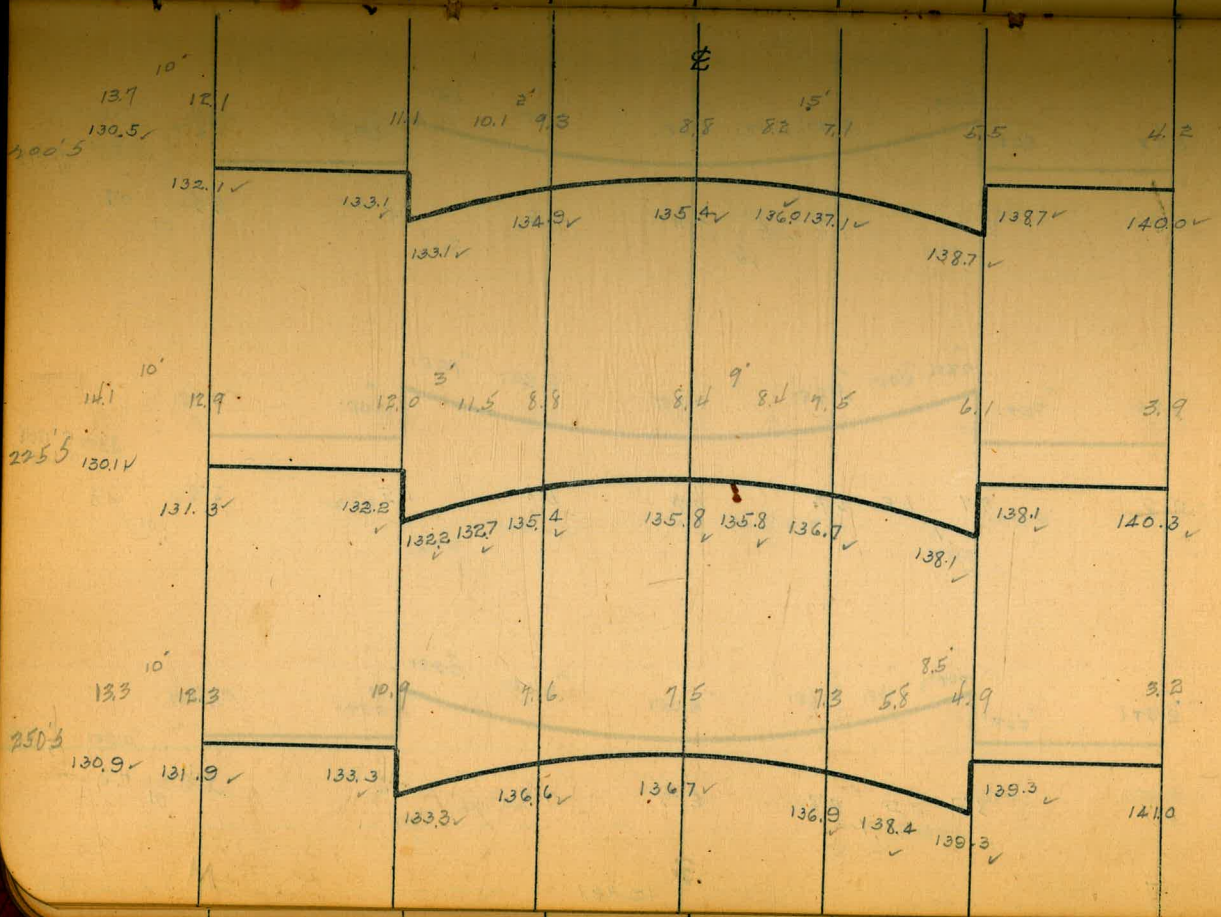
CROSS SECTION OF CABRILLO AVE
In Center Fld.

60' wide
10.265

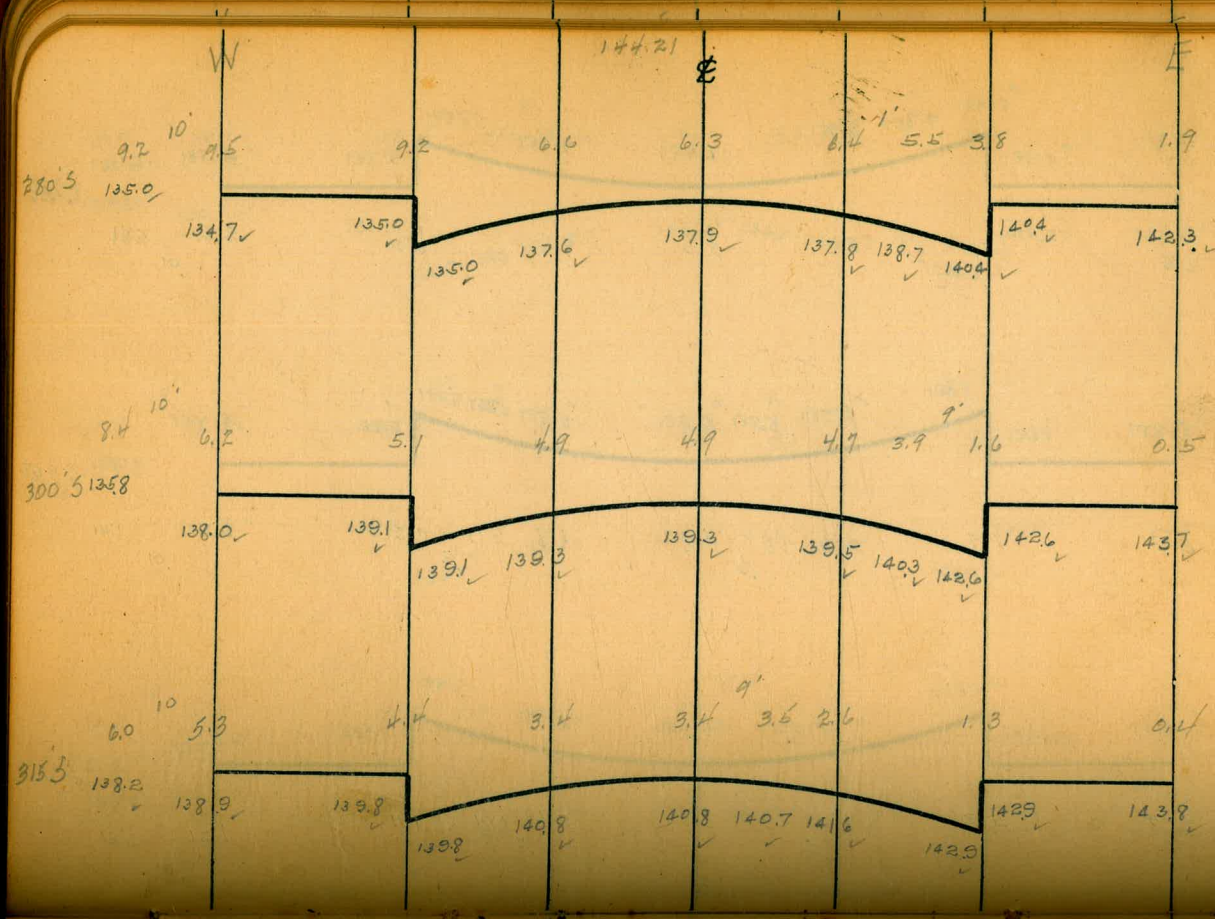


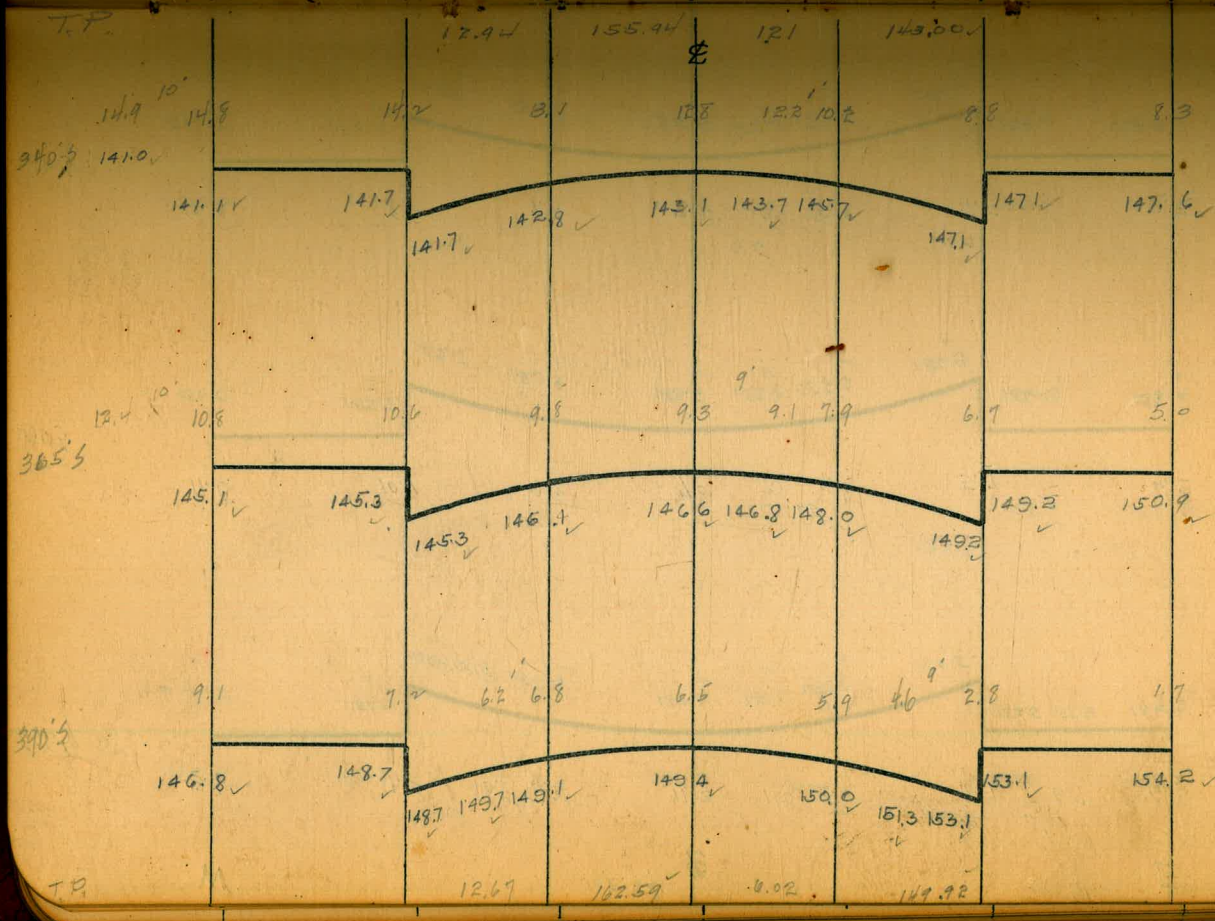




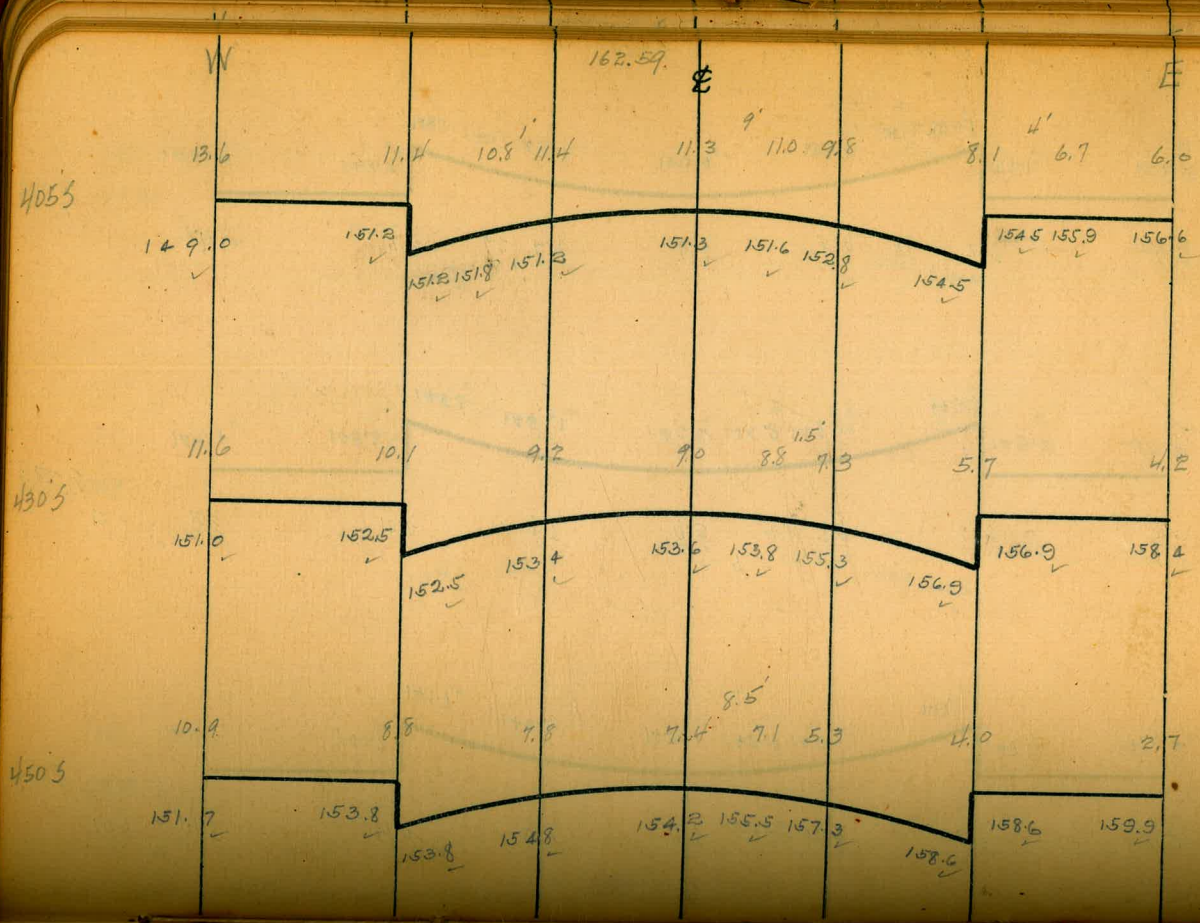


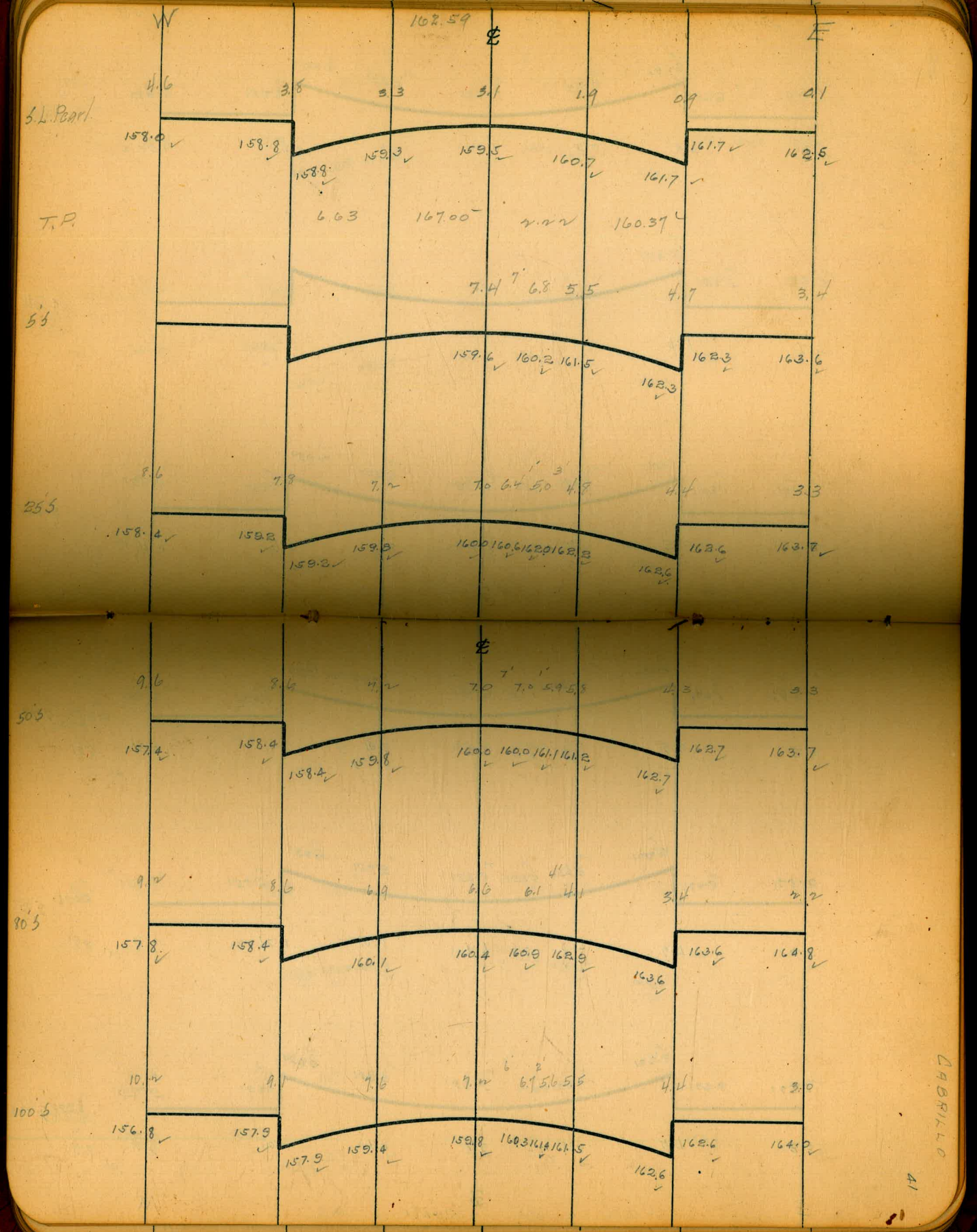
C88/170

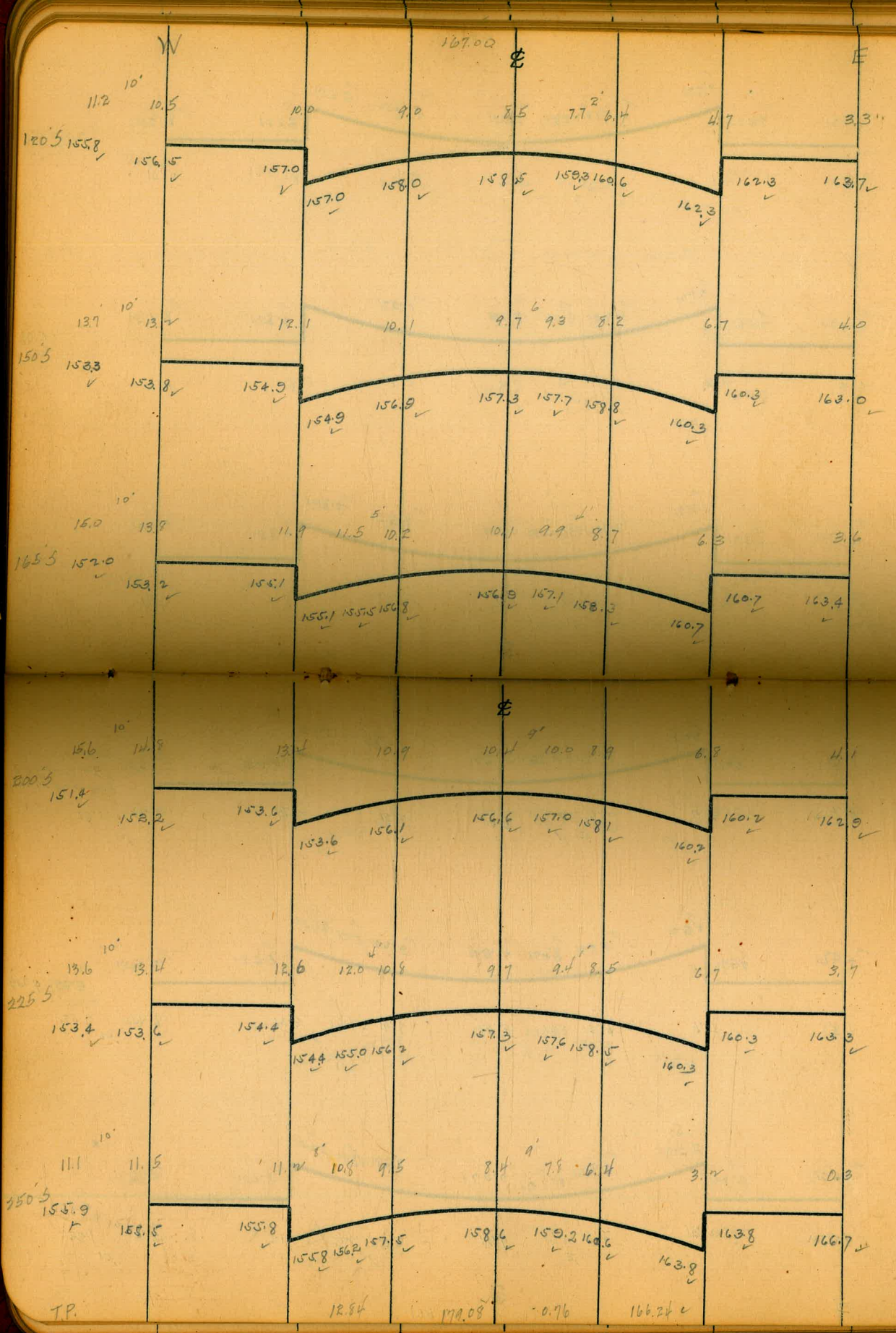

W
E
144.21
℄
280'S
135.0
300'S
135.8
315'S
138.2
9.7
9.5
9.2
6.6
6.3
6.4
5.5
3.8
1.9
8.4
6.2
5.1
4.9
4.9
4.7
3.9
1.6
0.5
6.0
5.3
4.4
3.4
3.4
3.6
2.6
1.3
0.4
134.7
135.0
137.6
137.9
137.8
138.7
140.4
142.3
138.0
139.1
139.3
139.5
140.3
142.6
143.7
138.9
139.8
140.8
140.8
140.7
141.6
142.9
143.8


T.P.
12.44
155.44
1.21
143.00
℄
340'S
141.0
365'S
390'S
14.9
14.8
14.2
8.1
12.8
12.2
10.2
8.8
8.3
12.4
10.8
10.6
9.8
9.3
9.1
7.9
6.7
5.0
9.1
7.2
6.7
6.8
6.5
5.9
4.6
2.8
1.7
141.1
141.7
142.8
143.1
143.7
145.7
147.1
147.6
145.1
145.3
146.1
146.6
146.8
148.0
149.2
150.9
146.8
148.7
149.1
149.4
150.0
151.3
153.1
154.2
12.67
162.59
6.02
149.92

CABRILLO
39

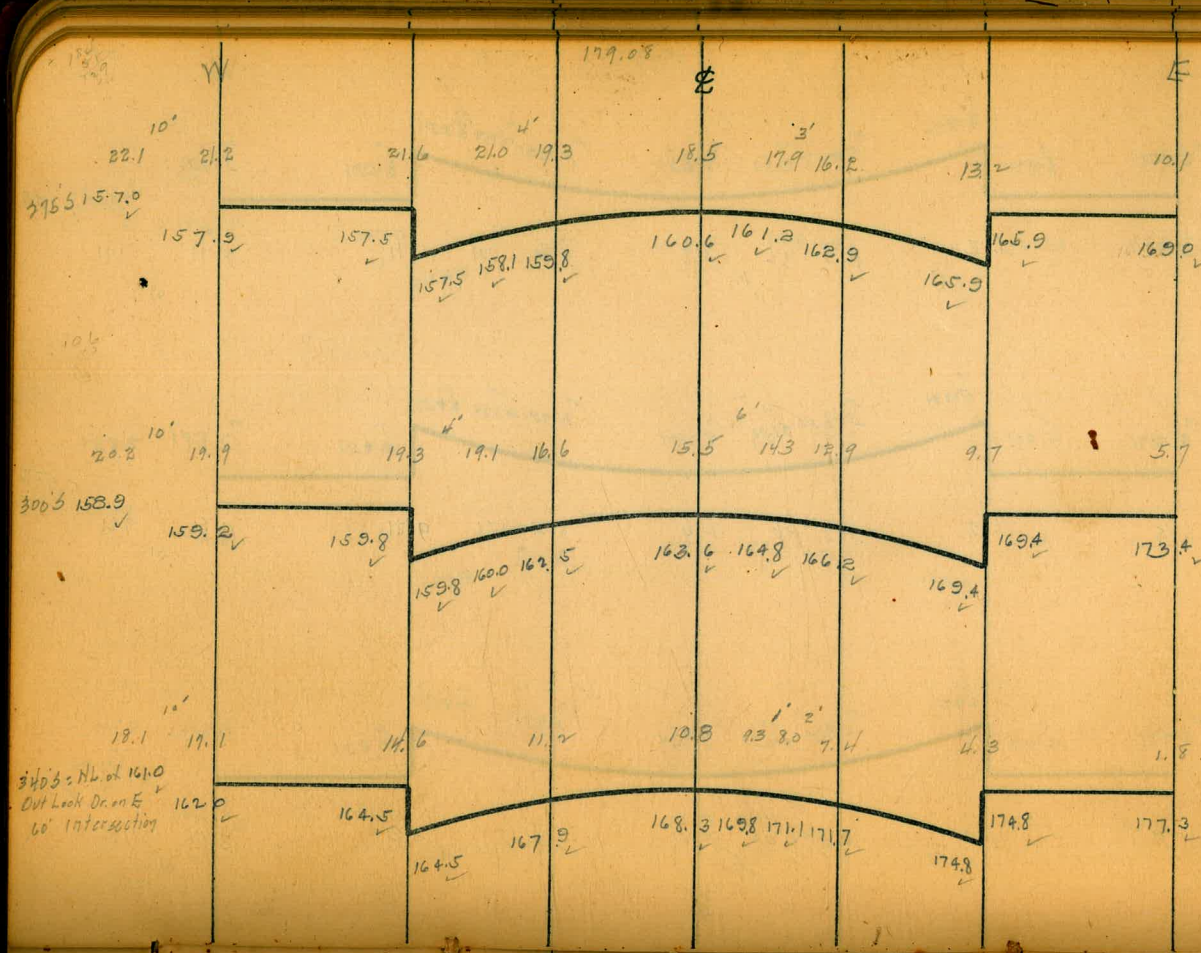

W
162.59
℄
E
405'S
13.6
11.4
10.8
11.4
11.3
11.0
9.8
8.1
6.7
6.0
149.0
151.2
151.2
151.8
151.2
151.3
151.6
152.8
154.5
154.5
155.9
156.6
430'S
11.6
10.1
9.2
9.0
8.8
7.3
5.7
4.2
151.0
152.5
152.5
153.4
153.6
153.8
155.3
156.9
156.9
158.4
450'S
10.4
8.8
7.8
7.4
7.1
5.3
4.0
2.7
151.7
153.8
153.8
154.8
154.2
155.5
157.3
158.6
158.6
159.9
℄
470'S
9.7
9.0
7.3
6.8
6.5
4.5
3.5
1.6
152.9
153.6
153.6
155.3
155.8
156.1
157.8
158.1
159.1
161.0
485'S
4.1
1.7
158.5
158.5
160.9
490.13 = P/L
Pearl
8.6
7.8
6.8
6.0
5.4
4.7
2.5
154.0
154.8
154.8
155.8
156.6
157.2
157.9
157.9
160.1
chk BM
4.67
157.92
Hub SW Pearl
GABRILLO
40

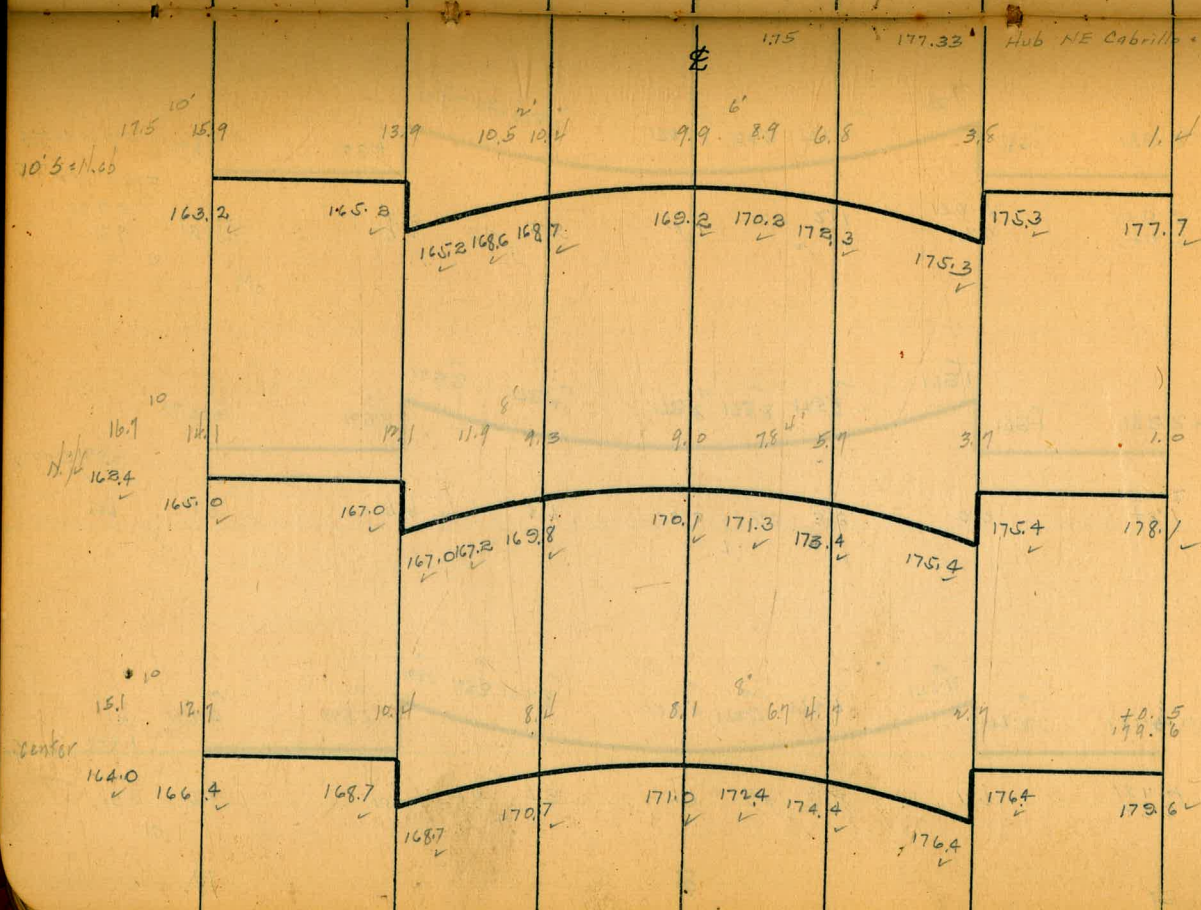

W
E
162.59
℄
S.L. Pearl
T.P.
55'
25'S
50'S
80'S
100'S
158.0
158.8
159.3
159.5
160.7
161.7
162.5
167.00
160.37
159.6
160.2
161.5
162.3
163.6
158.4
158.2
159.8
160.0
160.6
162.0
162.8
162.6
163.7
157.4
158.4
159.8
160.0
160.0
161.1
161.8
162.7
163.7
157.8
158.4
160.1
160.4
160.9
162.9
163.6
164.8
156.8
157.9
159.4
159.8
160.3
161.4
161.5
162.6
164.0
GABRILLO
41

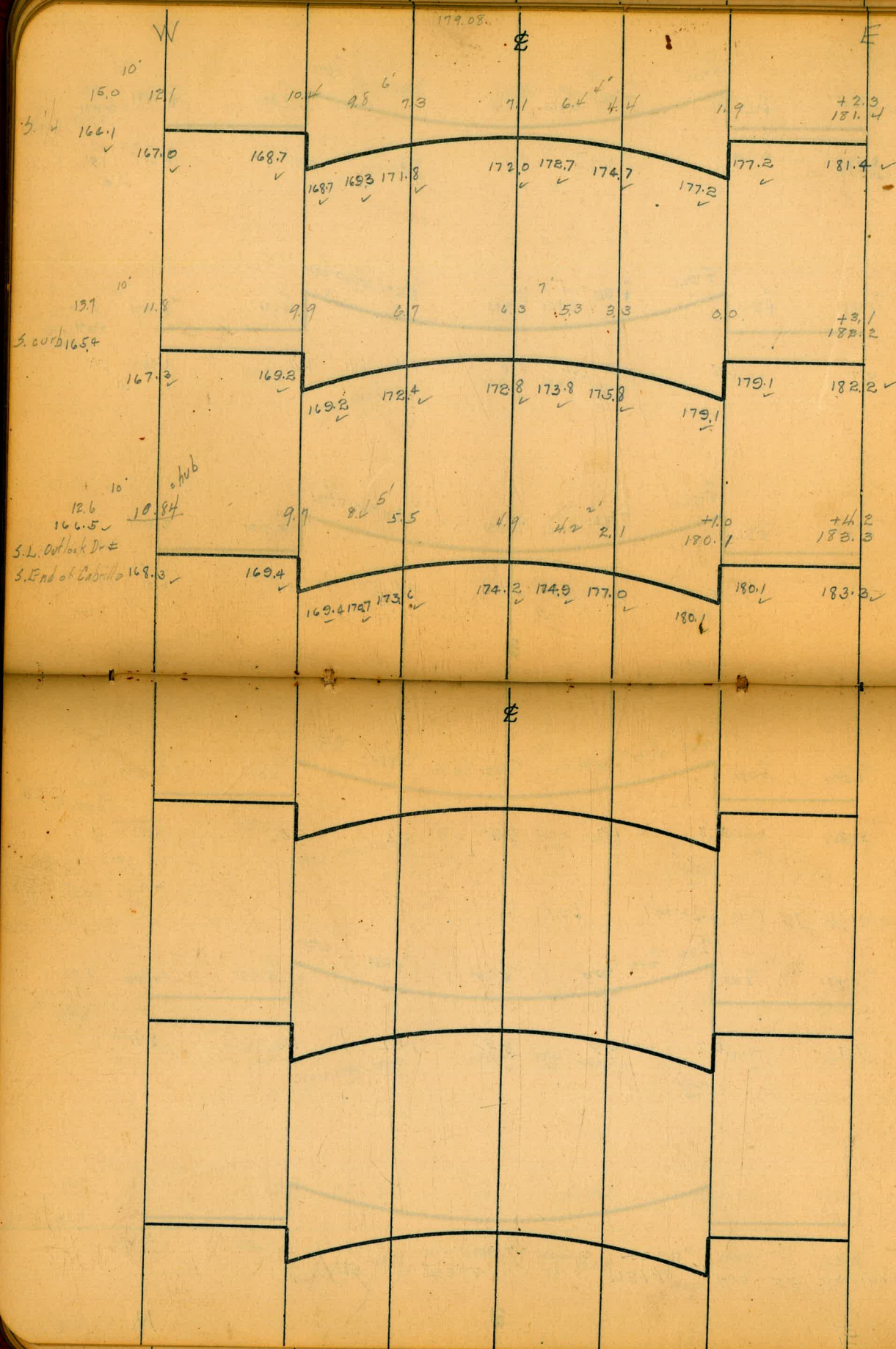

W
E
℄
167.02
120.5
150.5
165.5
800.5
225.5
250.5
T.P.
12.84
170.08
0.76
166.24

CABRILLO

42


W
℄
E
179.08
37'S 157.0
30'S 158.9
3'+0'S = Nl. at 161.0
Out Look Dr. on E
60' Intersection


℄
177.33
Hub NE Cabrillo + Outlook
10'S = Nl. at
N. ⊥
center


W
E
℄
179.08
10'
15.0
12.1
10.4
9.8
6'
7.3
7.1
6.4
4'
4.4
1.9
+2.3
181.4
S. 1/4
166.1
167.0
168.7
168.7
169.3
171.8
172.0
172.7
174.7
177.2
177.2
181.4
10'
13.7
11.8
9.9
6.7
6.3
7'
5.3
3.3
0.0
+3.1
182.2
S. curb 165.4
167.3
169.2
169.2
172.4
172.8
173.8
175.8
179.1
179.1
182.2
10'
12.6
166.5
10.84
hub
9.7
8.4
5'
5.5
4.9
4.2
2'
2.1
+1.0
180.1
+4.2
183.3
S.L. Outlook Dr.
S. End of Cabrillo
168.3
169.4
169.4
172.7
173.6
174.2
174.9
177.0
180.1
180.1
183.3

CABRILLO

44

CROSS SECTION OF MIRAMAR AVE. End to End

1/13/

Gregory
Moore
Miller

60' wide
10' abs

W ℄ E

12.73 152.63 139.90 Hub SE Ravina + Cabrillo
12.96 165.56 0.03 152.60

10' 1'
11.9 10.2 8.7 7.0 5.8 5.0 4.2 2.9 1.1
153.7
BL. Ravina
155.4 156.9 158.6 159.8 160.6 161.4 162.7 162.7 164.5
156.9

set BM on ⊥ 1.09 164.49 hub SE Miramar

10' 7' 8'
11.7 10.1 9.3 7.5 6.0 5.5 4.9 3.6 2.2 0.5
25'S 153.9
155.2 156.3 158.1 159.6 160.1 160.7 162.0 163.4 163.4 165.1
156.3

℄

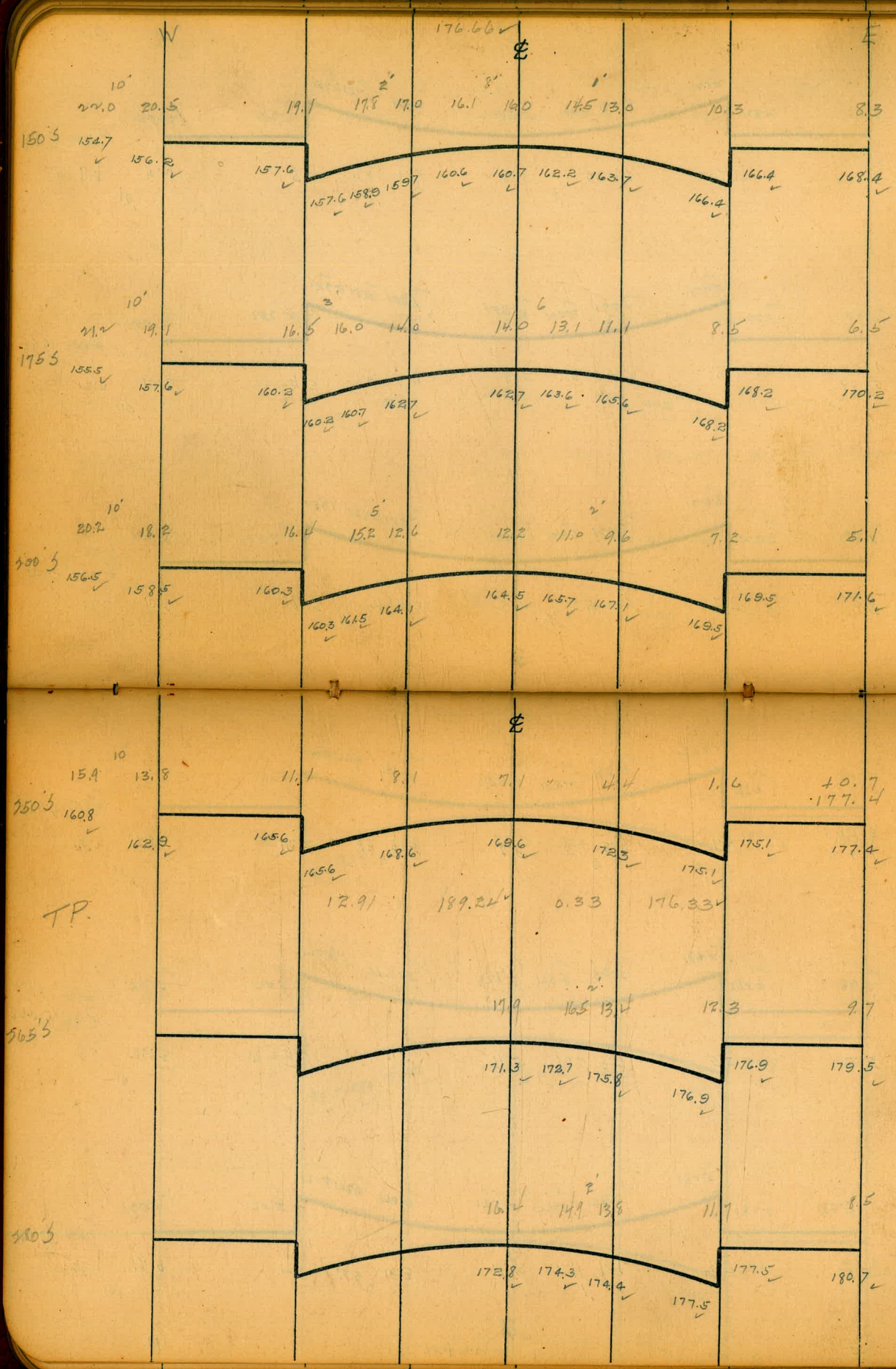
10' 7' 9'
12.2 10.8 9.5 8.1 6.3 6.0 5.3 4.3 2.8 0.8
50'S 153.4
154.8 156.1 159.6 160.3 161.3 162.8 164.8
156.1 157.5 158.3 162.8

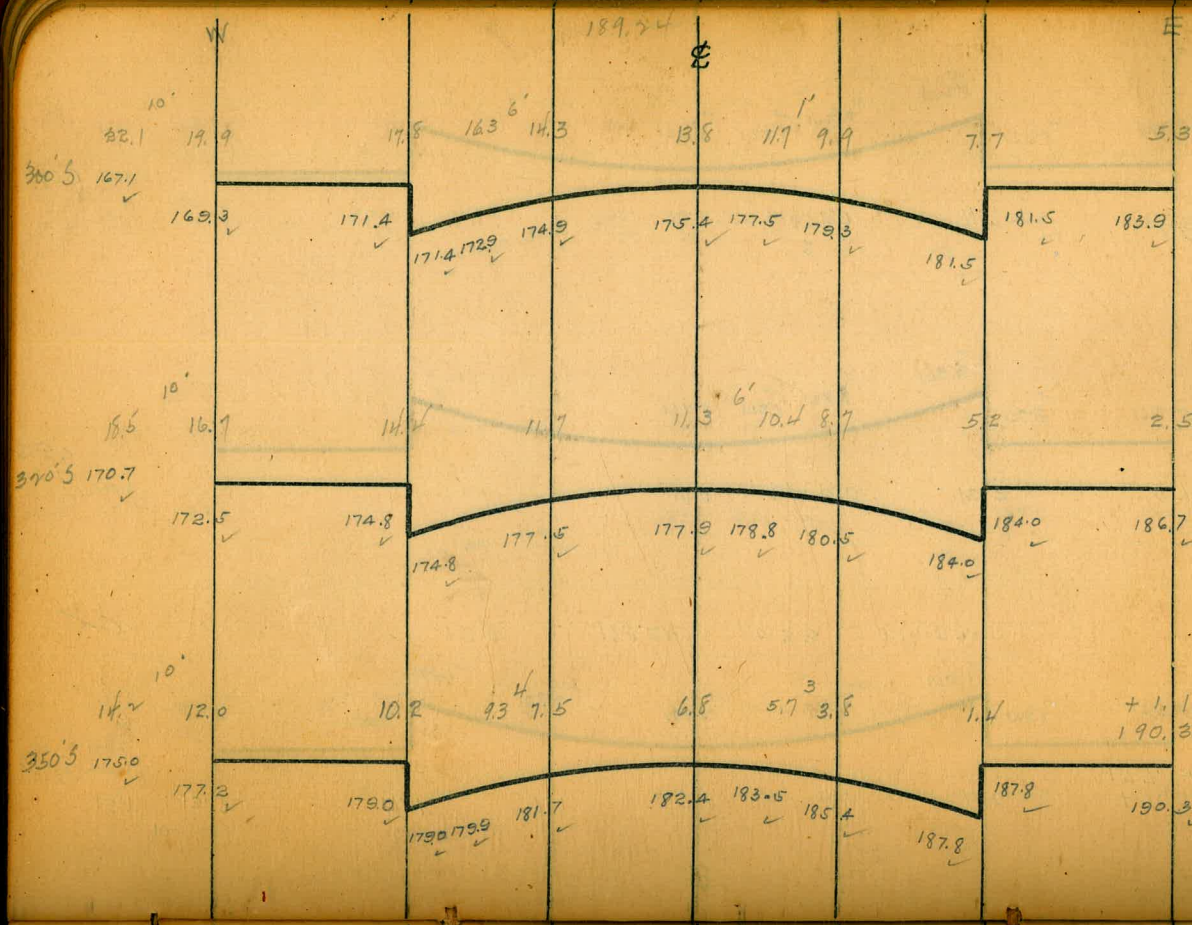
10' 4'
12.3 10.6 9.3 8.4 6.9 6.7 5.4 4.5 2.1 +0.5
85'S 153.3 166.1
155.0 156.3 159.4 160.2 161.1 163.5 166.1
156.3 157.2 158.7 163.5

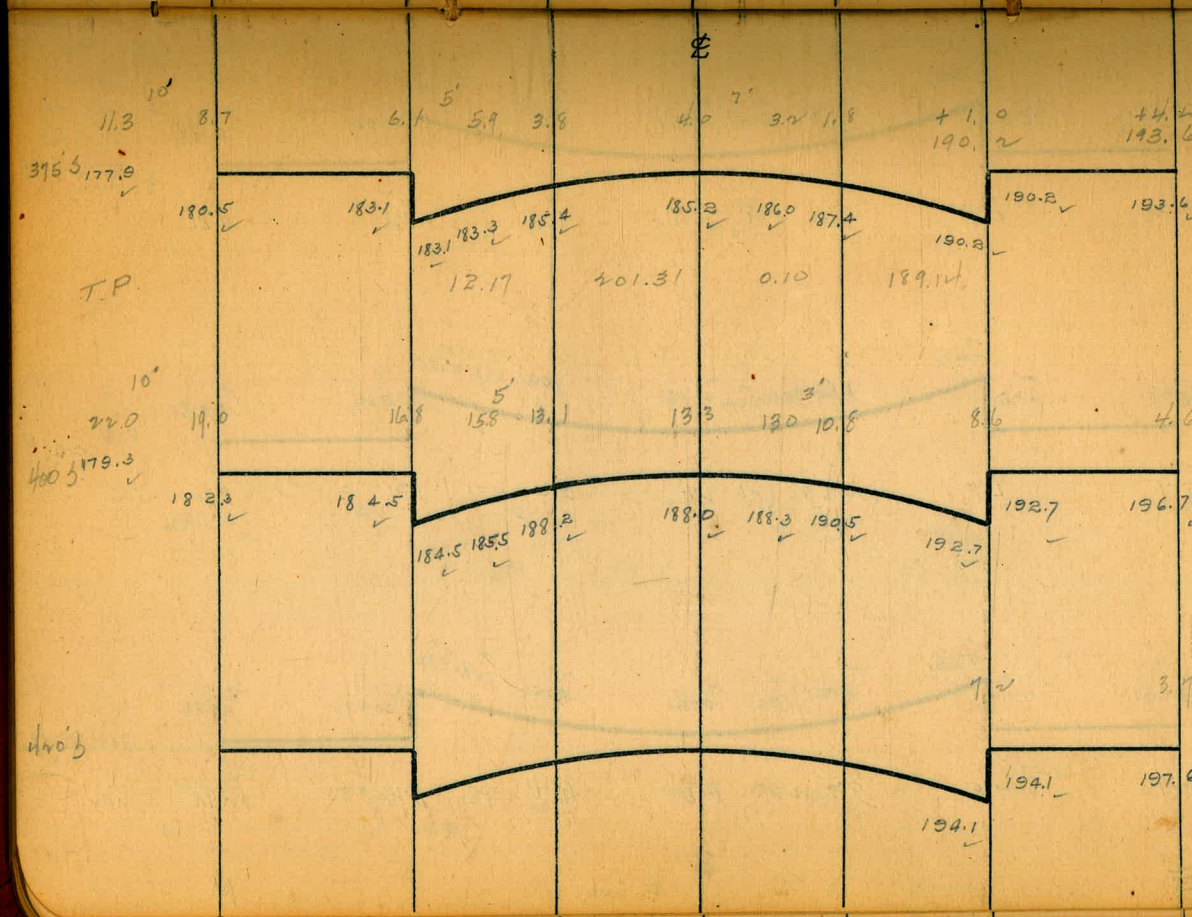
10' 7' 9'
11.9 10.4 8.9 7.9 6.6 6.1 5.2 4.3 2.4 +0.2
100'S 153.7 165.8
155.2 156.7 159.5 160.4 161.3 163.2 165.8
156.7 157.7 159.0 163.2

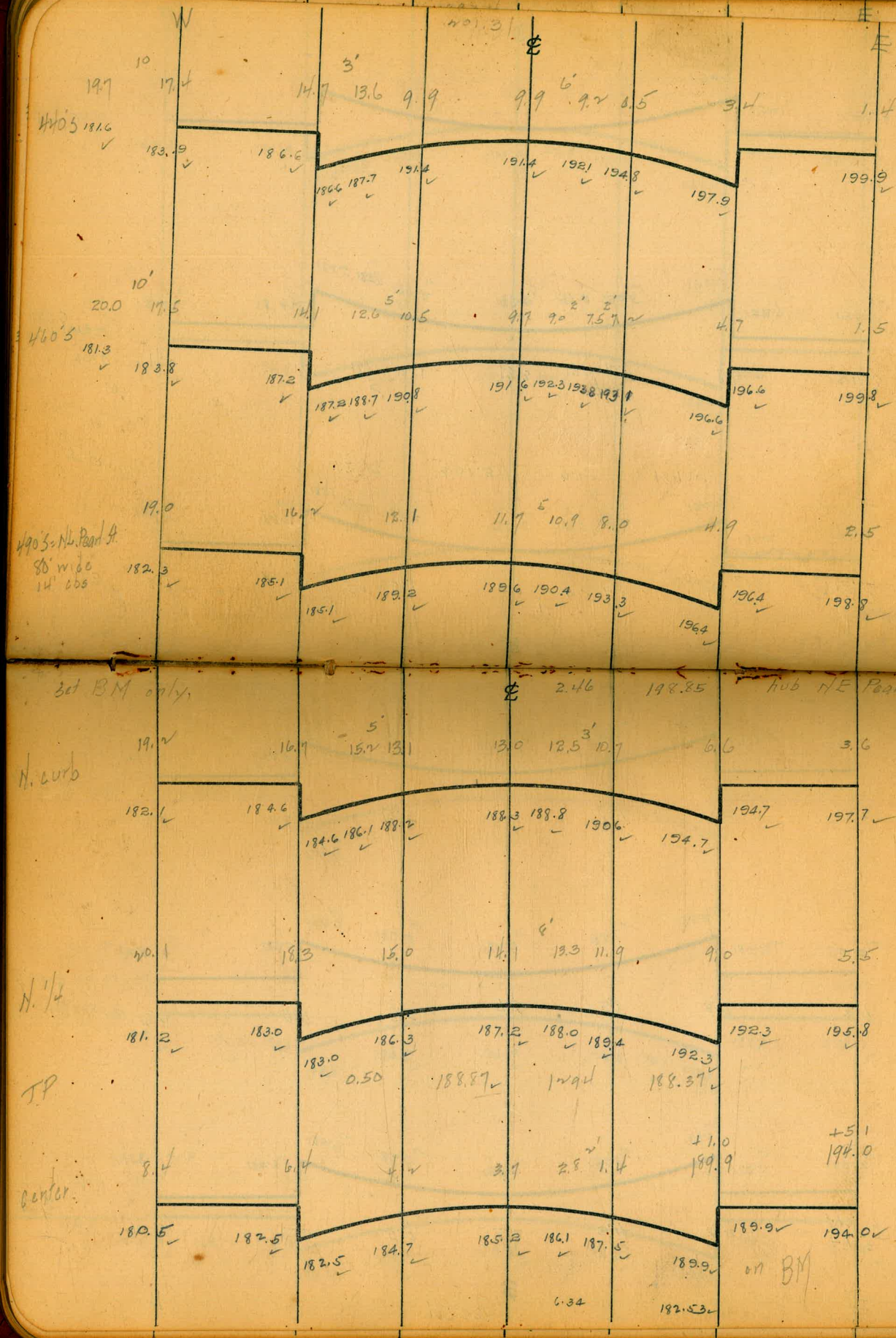
TP. 12.77 156.66 1.67 163.89

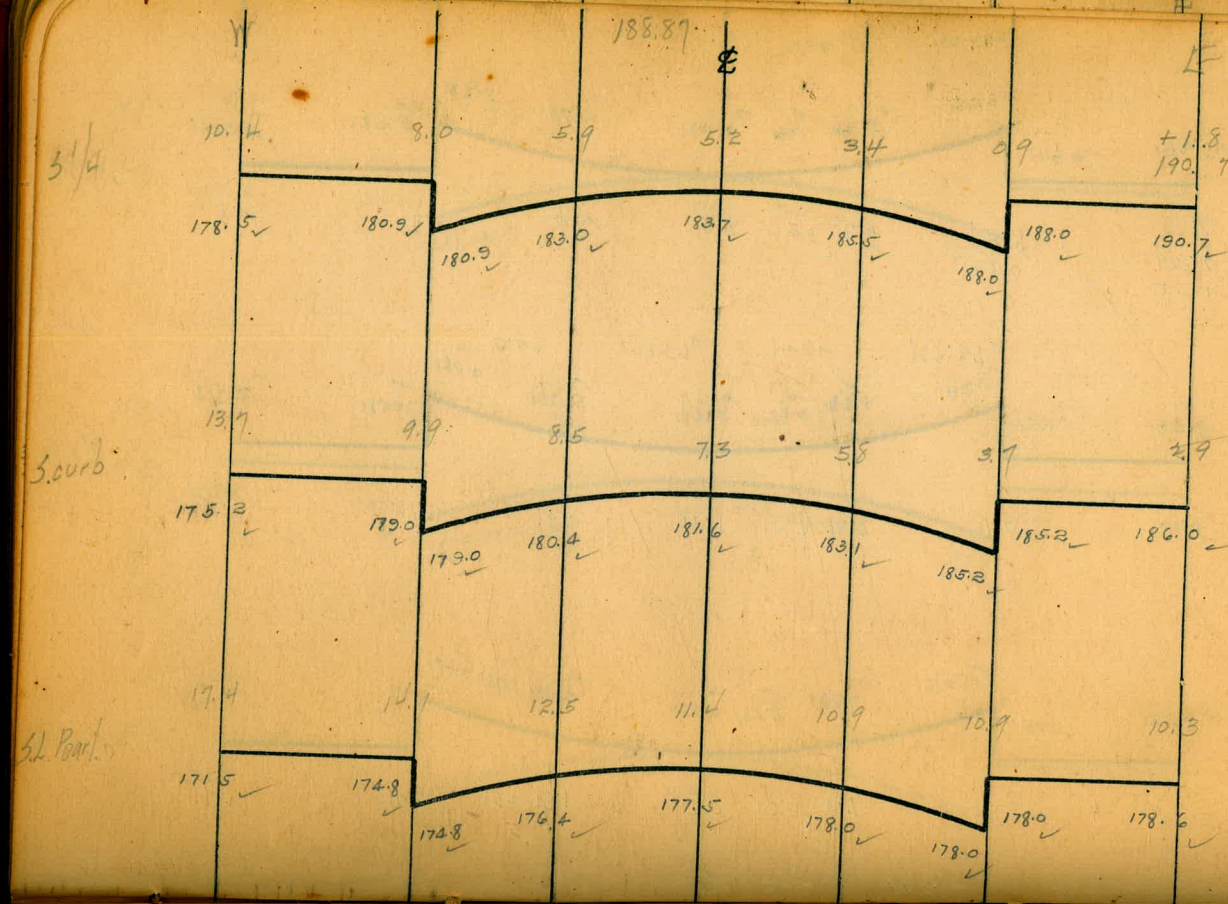
45

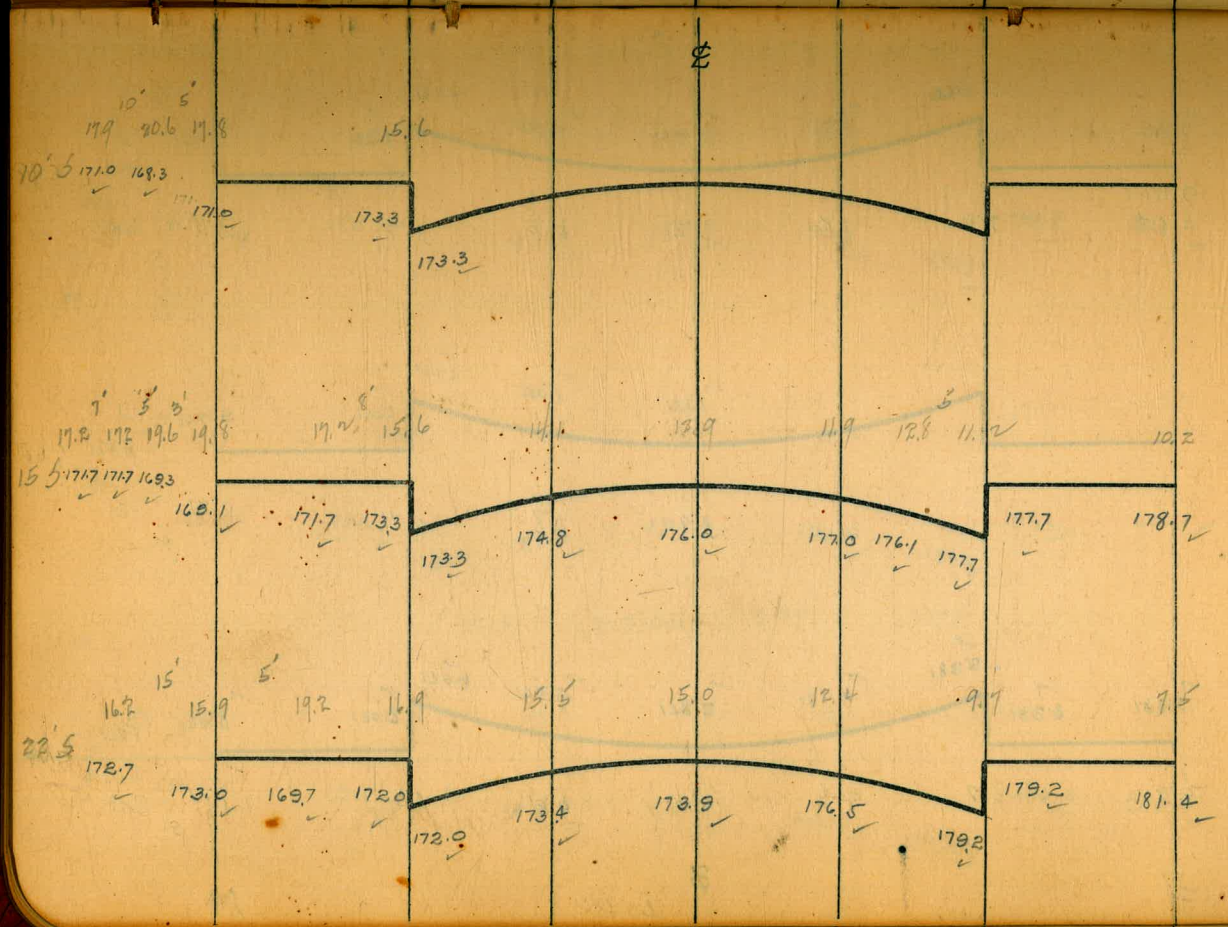

W
E
176.66
℄
150'S
175'S
200'S
250'S
TP.
189.24
0.33
176.33
265'S
280'S

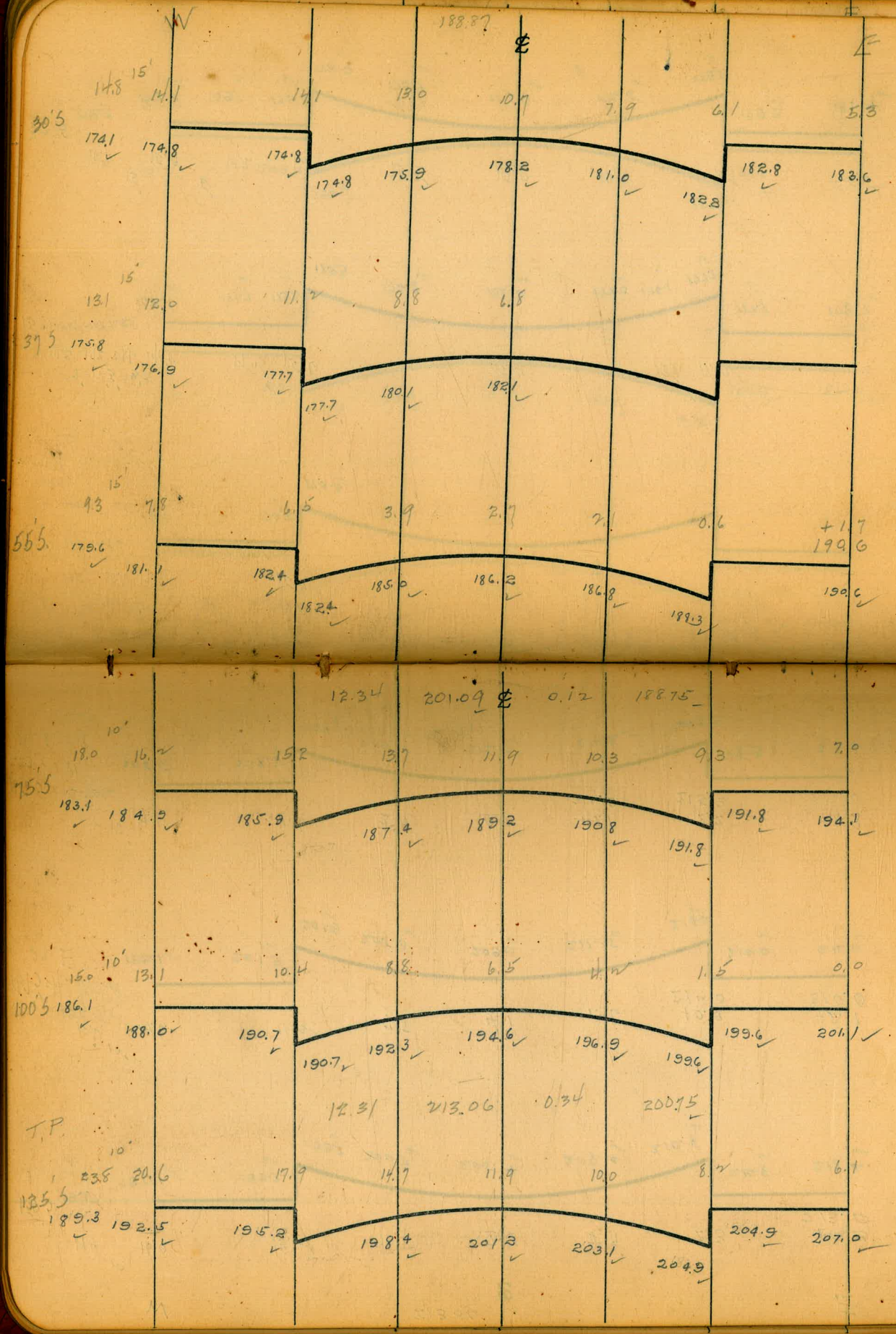

W
E
℄
189.24
10'
22.1
19.9
17.8
16.3
6'
14.3
13.8
11.7
1'
9.9
7.7
5.3
300'S 167.1
169.3
171.4
171.4
172.9
174.9
175.4
177.5
179.3
181.5
181.5
183.9
10'
18.5
16.7
14.7
14.7
11.3
6'
10.4
8.7
5.2
2.5
370'S 170.7
172.5
174.8
174.8
177.5
177.9
178.8
180.5
184.0
184.0
186.7
10'
14.2
12.0
10.2
9.3
4
7.5
6.8
5.7
3
3.8
1.4
+1.1
190.3
350'S 175.0
177.2
179.0
179.0
179.9
181.7
182.4
183.5
185.4
187.8
187.8
190.3


℄
10'
11.3
8.7
6.1
5'
5.9
3.8
4.0
7'
3.2
1.8
+1.0
190.2
+4.2
193.6
375'S 177.9
180.5
183.1
183.1
183.3
185.4
185.2
186.0
187.4
190.2
190.2
193.6
T.P.
12.17
201.31
0.10
189.14
10'
22.0
19.0
16.8
5'
15.8
13.1
13.3
3'
13.0
10.8
8.6
4.6
400'S 179.3
182.3
184.5
184.5
185.5
188.2
188.0
188.3
190.5
192.7
192.7
196.7
7.2
3.7
400'S
194.1
194.1
197.6


W
E
℄
440'S
460'S
490'S = N. Pearl St.
80' wide
14' cbs
Set BM only.
Hub NE Pearl
N. curb
N. 1/4
TP
Center
on BM

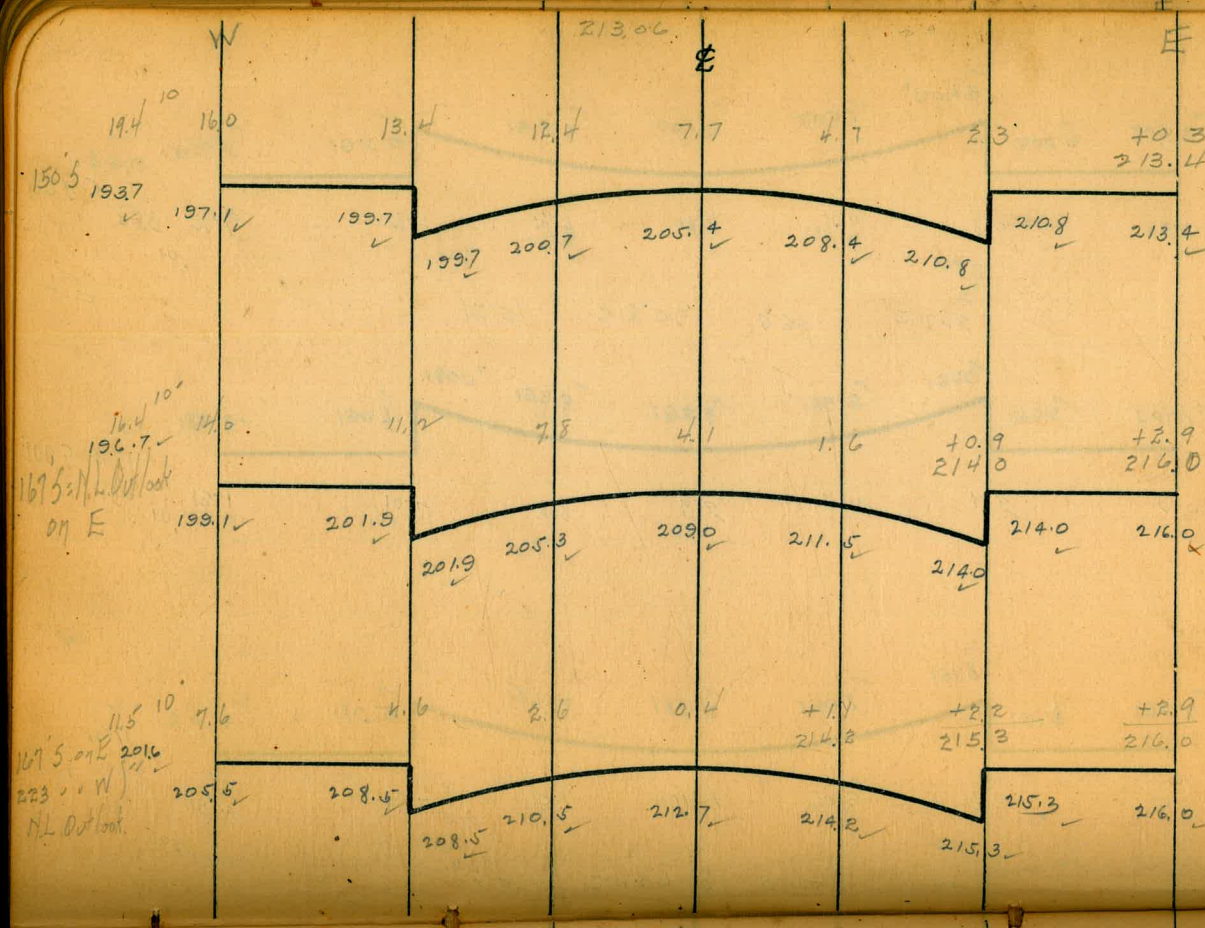

W
188.87
℄
E
10.4
8.0
5.9
5.2
3.4
0.9
+1.8
190.7
3 1/4
178.5
180.9
180.9
183.0
183.7
185.5
188.0
188.0
190.7
13.7
9.9
8.5
7.3
5.8
3.7
2.9
S. curb
175.2
179.0
179.0
180.4
181.6
183.1
185.2
185.2
186.0
17.4
14.1
12.5
11.1
10.9
10.9
10.3
1.5'
8.0
S.L. Pavt.
171.5
174.8
174.8
176.4
177.5
178.0
178.0
178.0
178.6
180.9

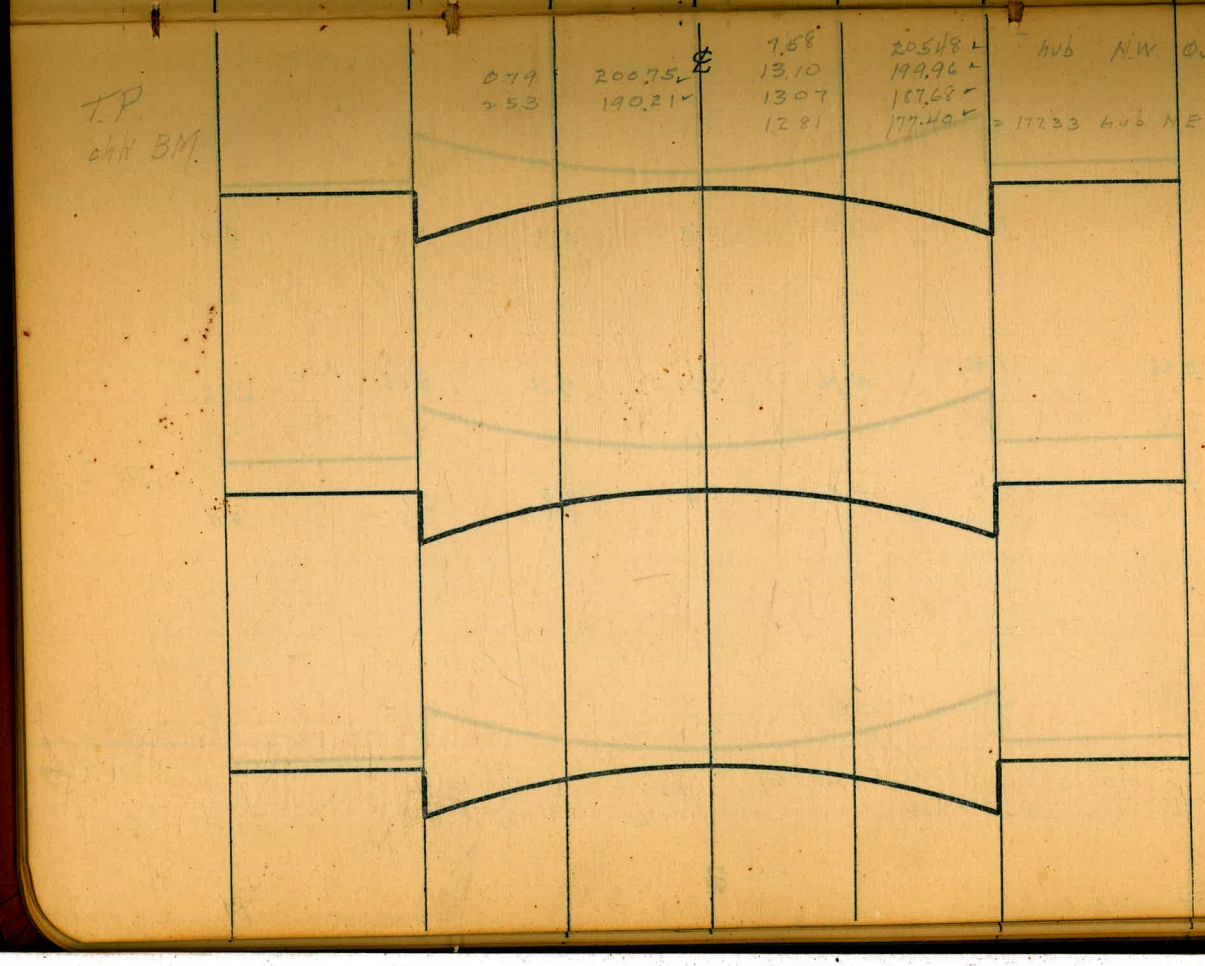

℄
10' 5'
19.9 20.6 17.8
15.6
10' 5 171.0 168.3
171.0
173.3
173.3
7' 5' 5'
17.8 17.7 19.6 19.8
17.2 8'
15.6
14.1
13.9
11.9
12.8 5
11.2
10.2
15'
7.7
15 5 171.7 171.7 169.3
168.1
171.7
173.3
173.3
174.8
176.0
177.0
176.1
177.7
177.7
178.7
181.2
15'
5'
16.7
15.9
19.2
16.9
15.5
15.0
12.4
9.7
7.5
15'
5.3
22.5
172.7
173.0
169.7
172.0
172.0
173.4
173.9
176.5
179.2
179.2
181.4
183.6


W
E
188.87
℄
15'
14.8
14.1
14.1
13.0
10.7
7.9
6.1
5.3
3.8
30'5
174.1
174.8
174.8
174.8
175.9
178.2
181.0
182.8
182.8
183.6
185.1
15'
13.1
12.0
11.2
8.8
6.8
37'5
175.8
176.9
177.7
177.7
180.1
182.1
15'
9.3
7.8
6.5
3.9
2.7
2.1
0.6
+1.7
55'5
179.6
181.1
182.4
182.4
185.0
186.2
186.8
188.3
190.6
190.6
12.34
201.09
℄
0.12
188.75
10'
18.0
16.2
15.2
13.7
11.9
10.3
9.3
7.0
75'5
183.1
184.9
185.9
187.4
189.2
190.8
191.8
191.8
194.1
10'
15.0
13.1
10.4
8.8
6.5
4.2
1.5
0.0
100'5
186.1
188.0
190.7
190.7
192.3
194.6
196.9
199.6
199.6
201.1
12.31
213.06
0.34
200.75
T.P.
10'
23.8
20.6
17.9
14.7
11.9
10.0
8.2
6.1
125'5
189.3
192.5
195.2
198.4
201.2
203.1
204.9
204.9
207.0

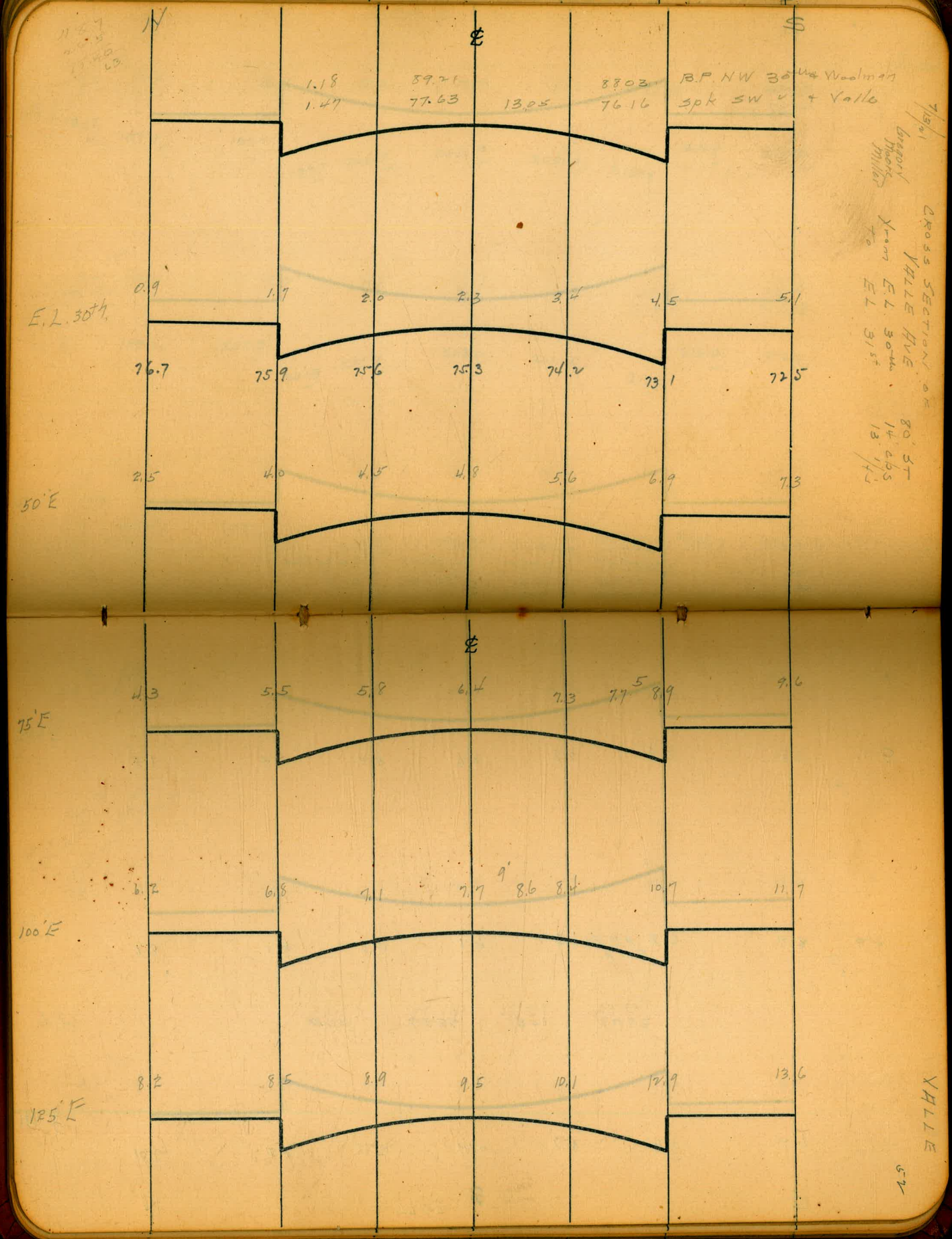
MARGNAR

25


W
E
213.06
℄
19.4 10
16.0
13.4
12.4
7.7
4.7
2.3
+0.3
213.4
150.5
193.7
197.1
199.7
199.7
200.7
205.4
208.4
210.8
210.8
213.4
16.4 10
19.6.7
11.0
11.2
7.8
4.1
1.6
+0.9
214.0
+2.9
216.0
167.5 on N.L. Outlook on E
199.1
201.9
201.9
205.3
209.0
211.5
214.0
214.0
216.0
11.5 10
7.6
4.6
2.6
0.4
+1.7
214.3
+2.2
215.3
+2.9
216.0
17733
167.5 on E 201.6
223 " W
N.L. Outlook
205.5
208.5
208.5
210.5
212.7
214.2
215.3
215.3
216.0


T.P
chit BM
079
253
200.75
190.21
℄
7.58
13.10
13.07
12.81
205.48
199.96
187.68
177.40
hub N.W. Outlook
= 17233 hub N.E. Outlook + Cabrillo

MRAMAR


N
S
℄
1.18
1.47
89.71
77.63
13.05
88.03
76.16
B.P. NW 30th & Woolman
Spk SW " + Valle
0.9
1.7
2.0
2.3
3.4
4.5
5.1
E.L. 30th
76.7
75.9
75.6
75.3
74.2
73.1
72.5
2.5
4.0
4.5
4.8
5.6
6.9
7.3
50'E
℄
4.3
5.5
5.8
6.4
7.3
7.7
8.9
9.6
75'E
6.2
6.8
7.1
7.7
8.6
8.4
10.7
11.7
100'E
8.2
8.5
8.9
9.5
10.1
12.9
13.6
125'E
7/13/01
Gregory
Moore
Miller
CROSS SECTION OF
VALLE AVE
from EL 30th
to EL 31st
80' ST
14 abs
13 1/4
VALLE
52

N 77.63 ℄ S

150' E

10.6 10.7 11.0 11.0 11.8 14.8 15.9

T.P. 0.74 65.36 13.01 64.62

175' E

1.3 1.9 2.0 1.9 2.7 3.3 4.9 5.3 6.3 6.9

5' 4' 5'

200' E

5.1 6.2 6.9 7.3 8.0 9.2 9.8 10.8

10'

225' E

5.5 5.5 7.6 8.4 9.8 10.0 10.6 11.4 12.0 12.3

9.5 9.5 10'

250' E

9.5 10.4 11.2 11.7 12.2 13.2 13.4 13.6

10'

use for back section. 6.3 9' 6.3 6'

use for section ahead on ↓ 8.3 10'

TP 4.97 58.12 17.21 53.15

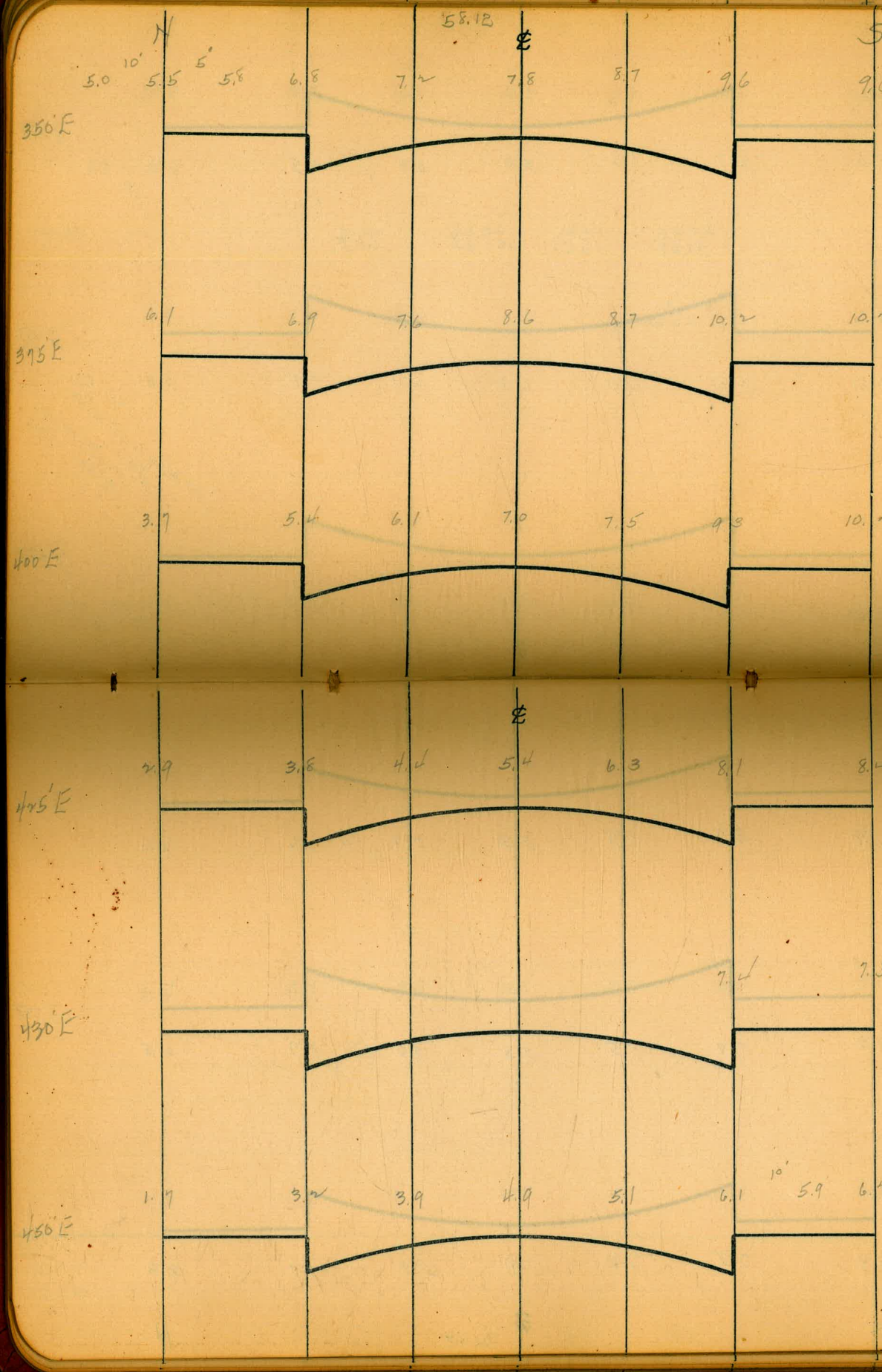
300' E

2.5 4.4 5.6 6.0 6.5 7.1 8.3 8.0 8.0

10' 10'

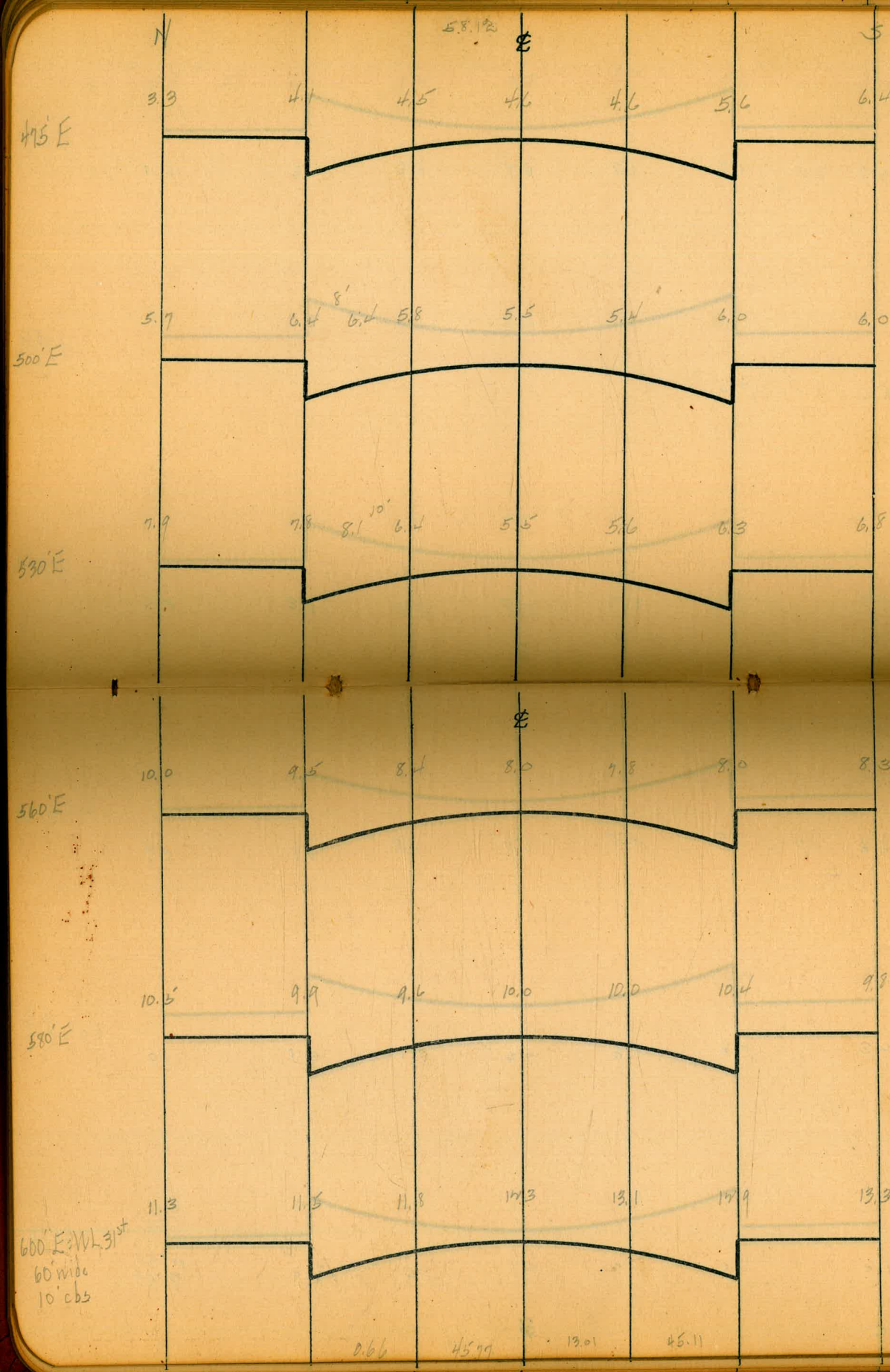
VALLE

(3)


58.12
N
S
℄
10'
5'
5.0
5.5
5.8
6.8
7.2
7.8
8.7
9.6
9.6
10.1
350'E
6.1
6.9
7.6
8.6
8.7
10.2
10.2
11.0
375'E
3.7
5.4
6.1
7.0
7.5
9.3
10.2
10.6
400'E
℄
2.9
3.8
4.4
5.4
6.3
8.1
8.4
425'E
7.4
7.3
430'E
1.7
3.2
3.9
4.9
5.1
6.1
5.9
6.4
450'E

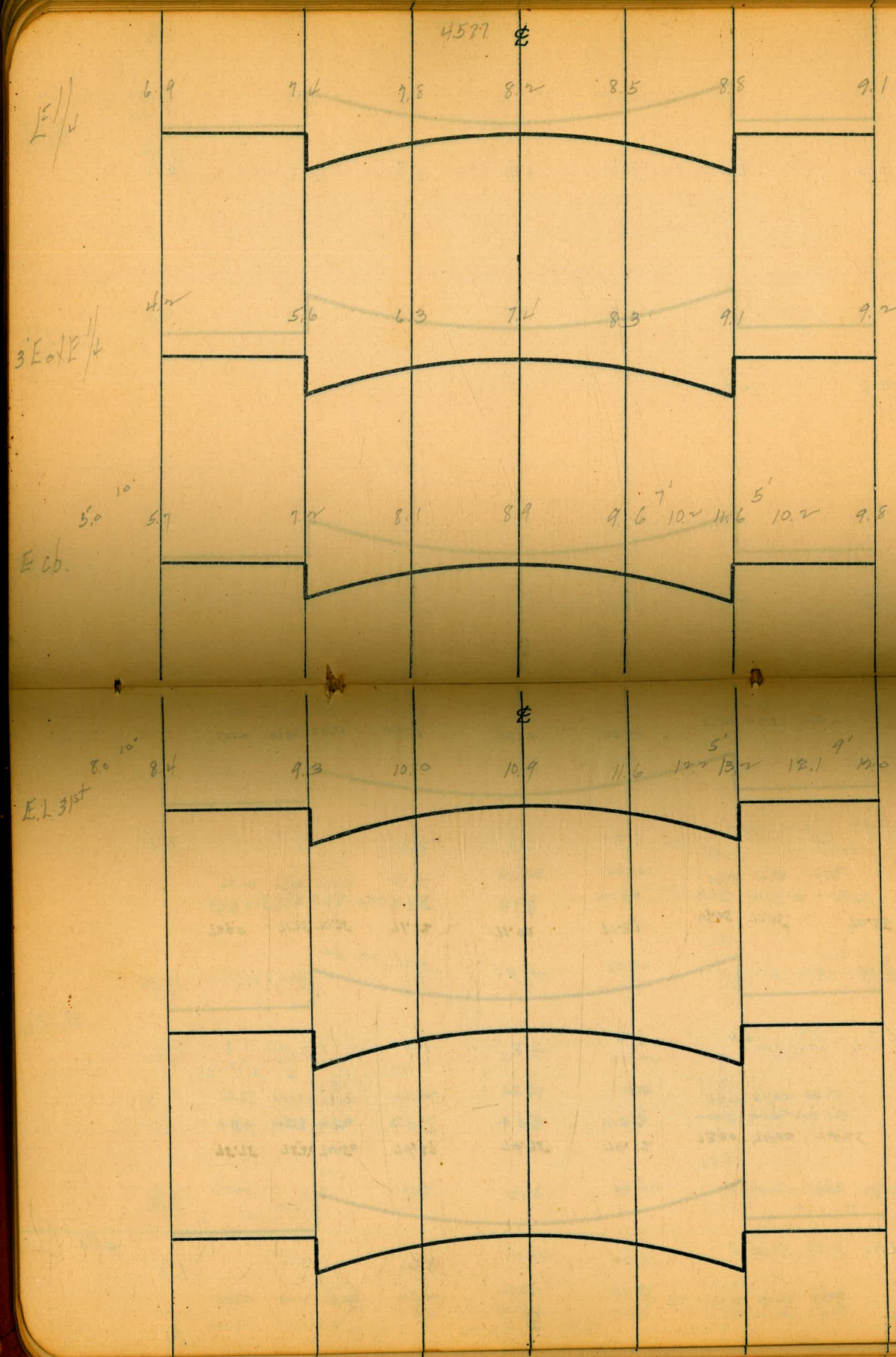
VALLE

52


N
S
℄
5.8.12
475' E
3.3
4.1
4.5
4.6
4.6
5.6
6.4
500' E
5.7
6.4
6.4
5.8
5.5
5.4
6.0
6.0
8'
530' E
7.9
7.8
8.1
6.4
5.5
5.6
6.3
6.8
10'
560' E
10.0
9.5
8.4
8.0
7.8
8.0
8.3
580' E
10.5
9.9
9.6
10.0
10.0
10.4
9.8
600' E. WL 31st
60' wide
10' cbs
11.3
11.5
11.8
12.3
13.1
12.9
13.3
0.66
45.99
13.01
45.11

YALLE

W.cb
6.E
W.ll
5.E.o/W.l
7.E.o/W.l
Contor


4577 ℄
E 1/4
6.9 7.4 7.8 8.2 8.5 8.8 9.1
3' E0 x E 1/4
4.2 5.6 6.3 7.4 8.3 9.1 9.2
E cb.
5.0 10' 5.7 7.2 8.1 8.9 9.6 7' 10.2 11.6 5' 10.2 9.8 10' 9.9
℄
E.L. 31st
8.0 10' 8.4 9.3 10.0 10.9 11.6 5' 12.2 13.2 9' 12.1 12.0 10' 12.6

9/10/61 Gregory Moore Miller Stamm

CROSS SECTION OF 80' ST
VALLE AVE.
EL 30th to EL 31st
20' cbs
10' ft

N ℄ S

0.5 76.70 76.16 spk SW Valve + 30

EL 30th

0.0 1.0 1.1 1.3 2.0 2.9 4.1

76.7 76.2 75.7 75.6 75.4 74.7 73.8 73.2 72.6

75.75 75.50 74.50 74.87 74.75 74.12 73.00 74.00 74.25
+0.4 +0.3 +1.2 +0.7 +0.6 +0.6 +0.8 -0.2 -1.0

1.5 2.4 2.9 3.7 3.4 4.1 3.9 4.7 4.9 6.3 6.4

50' E

75.2 74.3 73.8 73.0 73.0 73.3 72.6 72.8 72.0 71.8 70.4 70.3

72.00 71.75 70.75 71.12 71.00 70.37 69.25 70.25 70.50
+2.3 +1.8 +1.3 +2.3 +2.4 +1.5 +1.8 +1.6 +2.5 +1.5 -0.1

3.2 5.0 4.9 5.2 6.1 6.4 8.4 8.5

75' E

73.5 72.6 71.7 71.7 71.8 71.5 70.6 70.3 68.3 68.2

70.12 69.87 68.87 69.24 69.12 68.49 67.37 68.37 68.62
+2.5 +1.8 +2.8 +2.6 +2.4 +2.1 +2.9 +1.9 -0.3

℄

5.1 6.0 6.1 6.6 7.6 7.6 8.5 9.9 10.7

100' E

71.6 71.1 70.7 70.7 70.6 70.1 69.1 69.1 68.8 68.2 66.8 66.6 66.0

68.75 68.00 67.00 67.37 67.75 66.62 65.50 66.50 66.75
+2.8 +2.7 +3.7 +3.2 +2.8 +2.5 +3.1 +2.7 +1.7 +0.1 -0.2

7.1 7.6 8.0 8.5 9.2 10.9 11.8 12.5

125 E

69.6 69.4 69.1 69.1 68.7 68.2 67.5 65.8 64.9 64.2

66.37 66.12 65.12 65.49 65.37 64.74 63.62 64.62 64.87
+3.0 +3.0 +4.0 +3.2 +2.8 +2.8 +2.2 +1.2 +0.1 0.0

9.6 9.7 9.8 10.0 10.3 12.9 14.5 14.7

150' E

67.1 67.0 66.9 66.7 66.4 63.8 62.2 62.0

64.50 64.25 63.25 63.62 63.50 62.87 61.75 62.75 63.00
+2.5 +2.7 +3.7 +3.3 +3.2 +3.5 +2.0 +1.0 -0.7

T.P. 0.20 64.09 12.81 63.89

(Reduced & plotted DONYAN 9/67.21)

VALLE

58

N 64.09 ℄ S

175'E

0.0 0.5 0.6 0.8 1.5 3.1 3.9 5.1 5.4

64.1 63.6 63.6 63.5 63.3 62.6 61.0 60.8 60.8 59.0 58.7

62.62 62.37 61.37 61.74 61.62 61.00 59.87 60.87 61.12
+1.3 +1.2 +2.2 +1.8 +1.7 +1.6 +1.0 +0.3 -0.7 -1.9

3.9 5.4 5.8 5.9 6.1 7.5 8.5 8.4

200'E

60.2 58.7 58.7 58.3 58.2 58.0 56.6 55.6 55.7

60.75 60.50 59.50 59.87 59.75 59.17 58.00 59.00 59.25
-1.3 -1.8 -0.8 -1.6 -1.6 -1.1 -1.4 -2.4 -3.7

6.1 7.7 8.4 8.7 9.3 9.6 10.9 10.8

225'E

58.0 56.4 56.4 55.7 55.4 54.8 54.5 54.5 53.2 53.3

58.87 58.62 57.62 58.00 57.87 57.24 56.12 57.12 57.37
-1.7 -2.2 -1.2 -2.3 -2.5 -2.4 -1.6 -2.6 -4.0

℄

7.9 9.7 9.8 10.2 10.5 11.2 12.0 12.0

250'E

56.2 54.4 54.4 54.3 53.9 53.3 52.9 52.1 52.1

57.00 56.75 55.75 56.12 56.00 55.37 54.25 55.25 55.50
-1.7 -2.4 -1.4 -1.8 -2.1 -2.1 -1.4 -2.4 -3.4

T.P. 260 6.00 57.83 12.26 51.83

56.0 54.6

3.9 5.5 5.7 6.2 6.6 6.8 8.0 7.4

300'E

53.9 52.3 52.3 52.1 51.6 51.2 51.0 49.8 50.4

55.08 54.83 53.83 54.20 54.08 53.45 52.33 53.33 53.58
-2.0 -2.5 -1.5 -2.1 -2.5 -2.3 -1.3 -2.3 -3.8

5.5 6.5 7.2 7.5 8.1 9.0 9.4 9.3

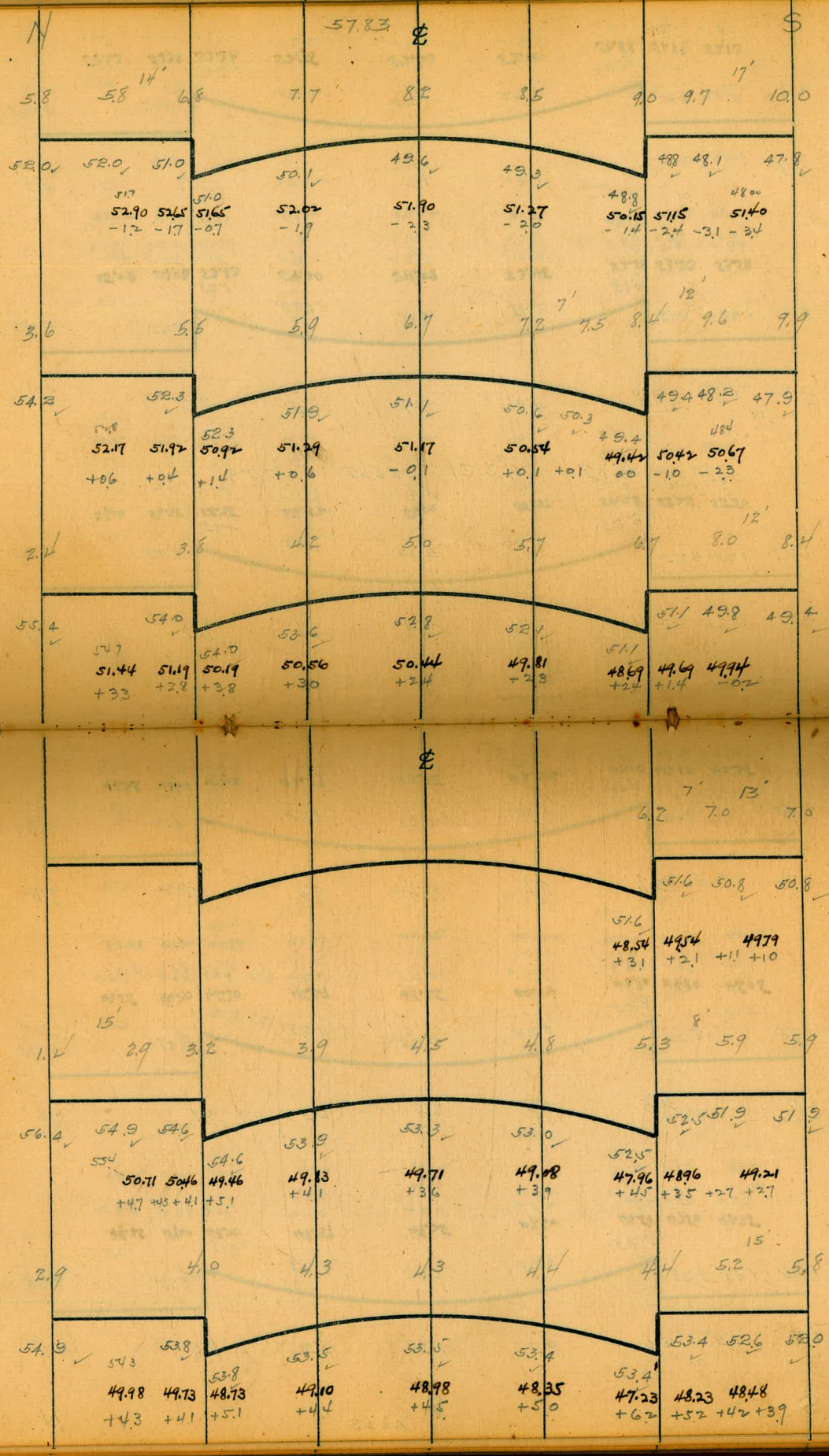
350'E

52.5 51.3 51.3 50.6 50.3 49.7 48.8 48.4 48.5

53.63 53.38 52.38 52.75 52.63 52.00 50.88 51.88 52.13
-1.7 -2.1 -1.1 -2.2 -2.3 -2.3 -2.1 -3.1 -3.7

VALLE

59


N
S
57.83
℄
375 E
400 E
425 E
430 E
450 E
475 E
VALLE

N ℄ S

500' E

530' E

560' E

580' E

600' E = W.L. 31st

60' wide

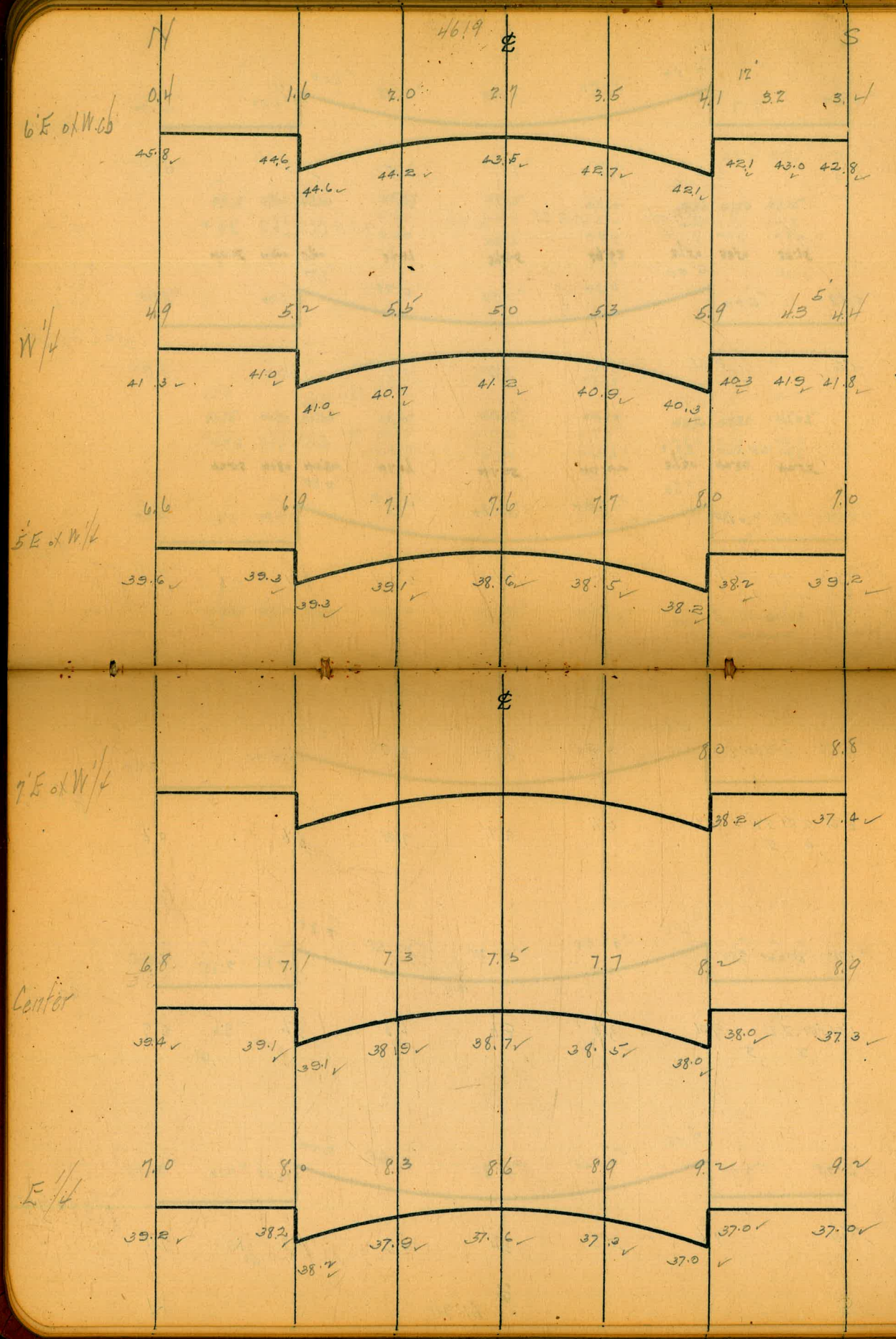
10' obs

10' J's

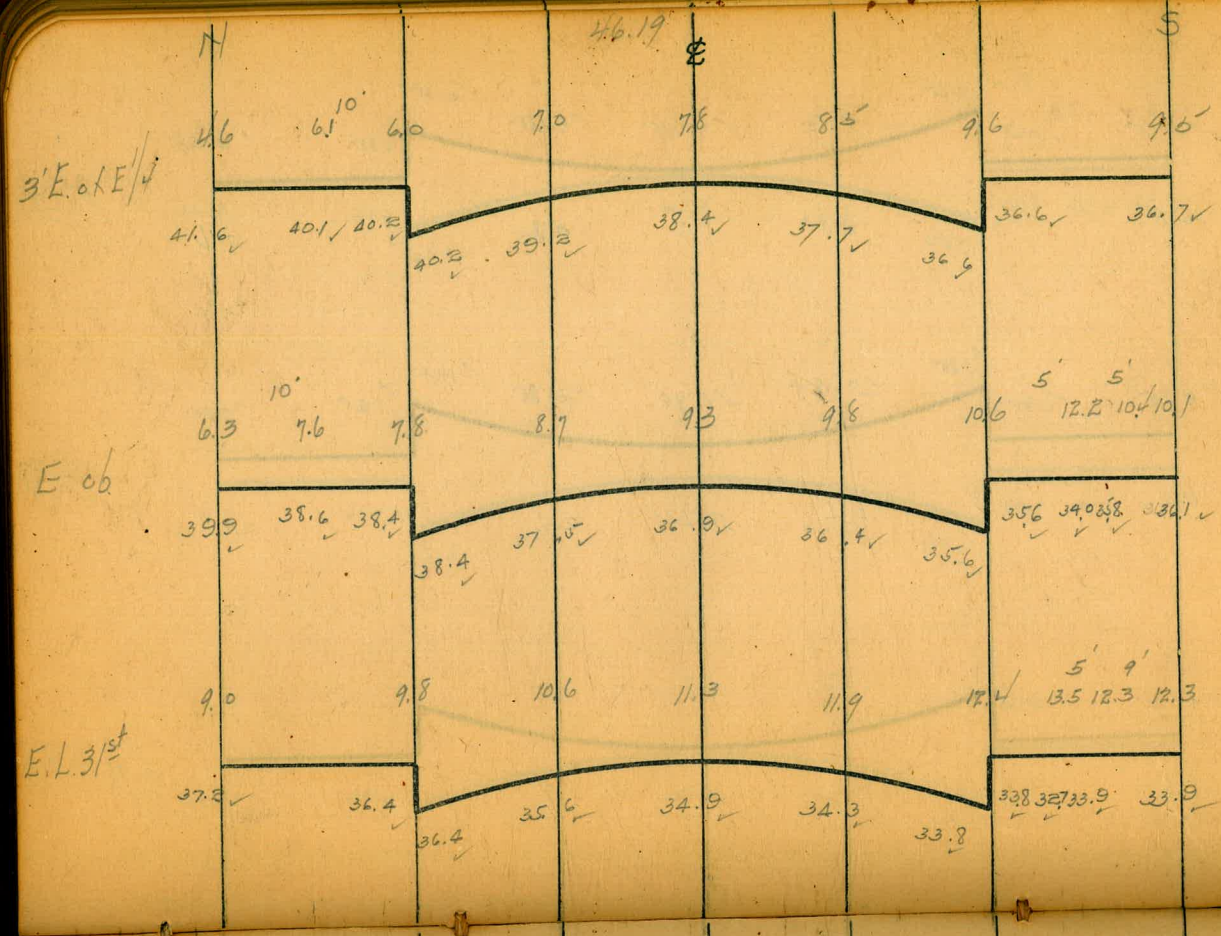
T.P.

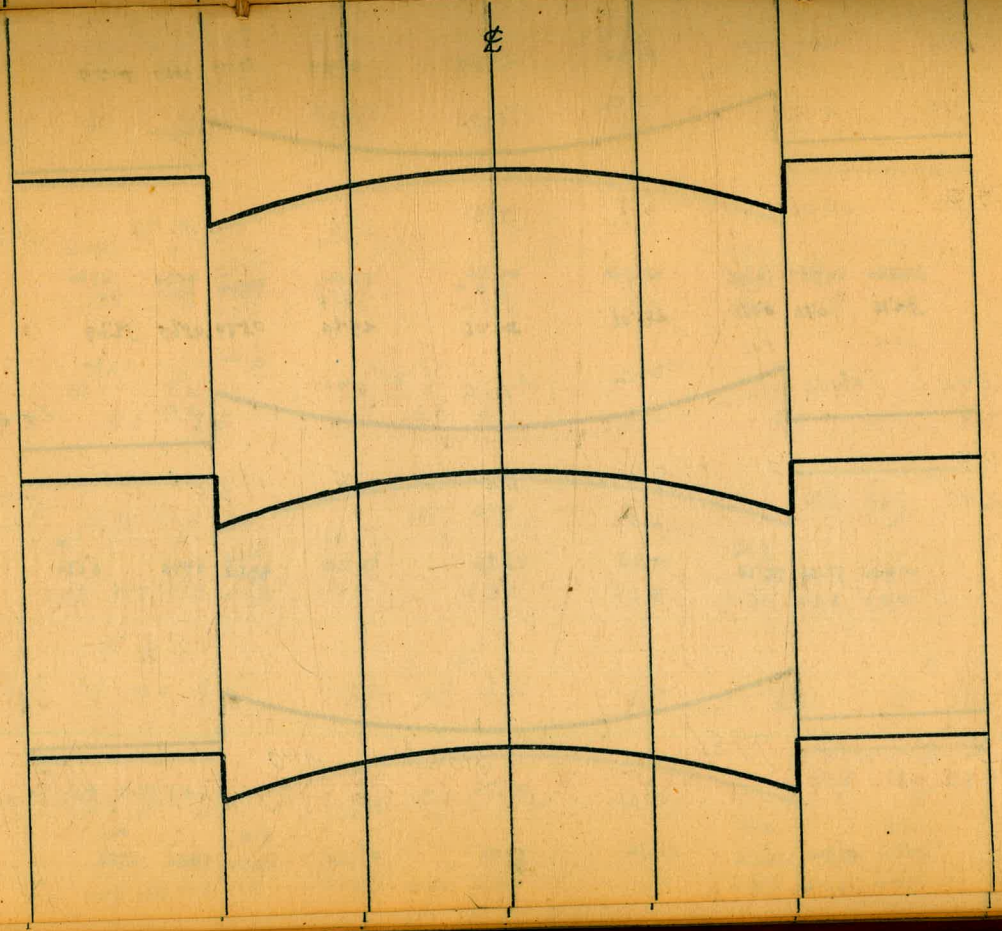
W.C.D.

VALLE


N
S
46.9
℄
17'
6'E. of W.C.L.
0.4 1.6 2.0 2.7 3.5 4.1 3.2 3.4
45.8 44.6 44.6 44.2 43.5 42.7 42.1 42.1 43.0 42.8
W 1/4
4.9 5.2 5.5 5.0 5.3 5.9 4.3 4.4
41.3 41.0 41.0 40.7 41.2 40.9 40.3 40.3 41.9 41.8
5'E. of W. 1/4
6.6 6.9 7.1 7.6 7.7 8.0 7.0
39.6 39.3 39.3 39.1 38.6 38.5 38.2 38.2 39.2
℄
7'E. of W. 1/4
8.0 8.8
38.2 37.4
Center
6.8 7.1 7.3 7.5 7.7 8.2 8.9
39.4 39.1 39.1 38.9 38.7 38.5 38.0 38.0 37.3
E 1/4
7.0 8.0 8.3 8.6 8.9 9.2 9.2
39.2 38.2 38.7 37.9 37.6 37.3 37.0 37.0 37.0

VALLE


N
4.6.19
℄
S
3' E. of E'/J
E. of
E.L. 3rd
4.6 6.1 6.0 7.0 7.8 8.5 9.6 9.6
41.6 40.1 40.2 40.2 39.2 38.4 37.7 36.9 36.6 36.7
6.3 7.6 7.8 8.7 9.3 9.8 10.6 12.2 10.1 10.1
39.9 38.6 38.4 38.4 37.5 36.9 36.4 35.6 35.6 34.0 35.8 36.1
9.0 9.8 10.6 11.3 11.9 12.1 13.5 12.3 12.3
37.3 36.4 36.4 35.6 34.9 34.3 33.8 33.8 32.7 33.9 33.9


℄

VALLE

63

9/10/51 Grading Cross Section 012
Moore
Miller
Shaw
MARTIN AVE
from E.L. 30th to E.L. 31st
80.37
20.205
10.146

N ℄ S

BM 0.14 73.80 73.66 Spk Stk 30th + Martin

	4.4	3.8	3.2	3.7	2.6	2.7		2.0	
E.L. 30th	69.4	70.0	70.6	71.1	71.2	71.1		71.8	
	69.7	69.50	70.0 / 68.50	69.62	70.25	70.37	71.1 / 70.0	71.0	71.45 / 71.25
	00	+0.5	+1.5	+1.9	+0.8	+0.8	+1.1	+0.1	+0.2
	5.2	4.6	4.1	3.5	3.3	3.1		2.6	
25' E	68.6	69.2	69.7	70.3	70.5	70.7		71.2	
	68.9	68.24	69.2 / 67.99	66.99	68.10	68.72	70.7 / 68.84	68.46	70.95 / 69.46 / 69.71
		+0.7	+1.2	+2.2	+1.6	+1.6	+1.7	+2.2	+1.2	+1.2

℄

	5.8	5.9	4.6	4.1	3.8	4.2		3.3	
50' E	68.0	67.9	69.2	69.7	70.0	69.6		70.5	
	67.95	66.74	66.49	67.9 / 65.49	66.59	67.20	67.30	69.6 / 66.91	70.05 / 67.91 / 68.16
		+1.2	+1.4	+2.4	+2.6	+2.7	+2.7	+2.7	+1.7	+1.9
	13'	7'		5'				13'	
	7.1	7.9	7.5	5.8	5.1	5.1	5.2	5.0	5.0	4.1
75' E	66.7	65.9	66.3	68.0	68.7	68.7	68.6	68.8	68.8	69.7
	66.1	65.23	64.98	66.3 / 63.98	65.07	65.67	65.77	68.8 / 65.37	66.37	66.62
		+0.9	+0.7	+1.3	+2.3	+2.9	+3.0	+2.8	+3.4	+2.4	+2.2
	9'	6'		5'				5'	
	8.9	8.9	10.0	9.5	7.9	6.7	6.6	6.9	6.4	5.8	5.0
100' E	64.9	64.9	64.8	64.3	65.9	67.1	67.2	66.9	67.4	68.0	68.8
	64.8	63.72	63.47	64.3 / 62.47	63.56	64.15	64.23	67.4 / 63.82	64.82	67.8 / 65.07
		+0.6	+0.2	+0.8	+1.8	+2.3	+3.2	+3.0	+2.7	+3.6	+2.6	+2.7

(Reduced & plotted) [illegible] 9/28/51

MARTIN

64

N

73.80

℄

S

13' 7 8'

11.9 12.4 11.6 9.8 9.0 8.8 8.2 7.1 6.4

125 E

61.9 61.4 62.8 64.0 64.8 65.0 65.6 66.7 67.4

615 62.21 61.96 62.04 62.62 62.70 62.28 63.28 63.53

- 0.7 - 0.7 + 0.2 + 1.7 + 2.0 + 2.2 + 2.3 + 3.3 + 3.2 + 3.3

62.8 60.96 65.6 66.8

T.P. 0.31 65.43 8.68 65.17

10'

6.8 6.7 4.8

149 E

58.6 58.7 60.6 60.6

60.77 60.52

- 2.1 + 0.1

10' 10'

8.8 6.7 4.8 2.9 2.6 2.7 1.8 0.4 0.3

150 E

56.6 58.7 60.6 63.5 62.8 62.7 63.6 65.0 65.1

60.71 60.46 60.6 59.46 60.52 61.10 61.16 60.74 61.74 61.99

- 2.0 + 0.1 + 1.1 + 2.0 + 1.7 + 1.5 + 2.9 + 1.9 + 3.0

℄

6' 10'

10.1 7.9 5.4 4.1 4.2 4.4 3.7 1.9 1.6

165 E

55.3 57.5 60.0 61.3 61.2 61.0 61.7 63.5 63.8

58.2 59.80 59.55 60.0 58.55 59.61 60.18 60.24 61.7 59.81 60.81 61.06

- 1.6 + 0.4 + 1.4 + 1.7 + 1.0 + 0.8 + 1.9 + 0.9 + 2.4

10'

11.3 7.2 5.9 6.5 6.2 6.5 4.9 4.2

180 E

54.1 58.2 59.5 58.9 59.2 58.9 60.5 61.2

56.1 58.90 58.65 58.2 57.65 58.70 59.37 59.32 58.9 58.88 57.88 60.13

- 2.8 - 0.5 + 0.5 + 0.8 - 0.4 - 0.1 00 - 1.0 + 0.4

13.3 11.4 10.2 10.0 9.6 9.6 7.8

200 E

52.1 54.0 55.2 55.4 55.8 55.8 57.6

53.05 57.69 57.44 54.0 56.44 57.49 58.04 58.09 55.8 57.65 58.65 56.7 58.90

- 4.6 - 3.4 - 2.4 - 2.3 - 2.6 - 2.3 - 1.9 - 2.9 - 2.2

MARTIN

65

N

65.43 ℄

S

14.7 13.3 11.9 11.2 10.9 10.8 9.7

215'E

50.7 ✓ 52.1 ✓ 53.5 ✓ 54.2 ✓ 54.5 ✓ 54.6 ✓ 55.7 ✓

51.4 56.79 56.54 52.1 53.54 56.58 57.13 57.17 54.6 56.72 57.72 55.15 57.97

T.P. - 5.4 - 4.4 2.66 - 3.4 - 3.1 55.42 - 2.9 12.67 - 2.7 52.76 - 2.1 - 3.1 - 2.8

6.0 4.7 3.7 3.0 3.0 2.8 2.6

250'E

49.4 ✓ 50.7 ✓ 51.7 ✓ 52.4 ✓ 52.4 ✓ 52.6 ✓ 52.8 ✓

50.05 54.68 54.43 50.7 53.43 54.46 54.99 55.02 52.6 54.56 55.56 52.7 55.81

- 4.6 - 3.7 - 2.7 - 2.8 - 2.6 - 2.6 - 2.0 - 3.0 - 3.1

4.7 5.6 4.8 4.8 4.7 4.7 3.9

280'E

47.7 ✓ 48.8 ✓ 50.6 ✓ 50.6 ✓ 50.7 ✓ 50.7 ✓ 51.5 ✓

48.75 52.87 52.62 49.8 51.62 52.04 53.16 53.18 50.7 52.71 53.71 51.1 53.96

- 4.1 - 2.8 - 1.8 - 2.9 - 2.6 - 2.5 - 2.0 - 3.0 - 2.9

℄

9.6 8.0 6.9 5.3 5.3 5.2 5.1 4.0

287'E

45.8 ✓ 47.4 ✓ 48.5 ✓ 50.1 ✓ 50.1 ✓ 50.2 ✓ 50.3 ✓ 51.4 ✓

46.6 52.45 52.20 47.4 51.20 52.21 52.73 52.75 50.3 52.27 53.27 50.85 53.52

- 5.9 - 4.8 - 3.8 - 3.7 - 2.4 - 2.6 - 2.6 - 2.0 - 3.0 - 2.7

10.6 9.1 8.4 7.1 6.2 5.9 5.8 5.3 4.6

300'E

44.8 ✓ 46.3 ✓ 47.0 ✓ 48.0 ✓ 49.2 ✓ 49.5 ✓ 49.6 ✓ 50.1 ✓ 50.8 ✓

46.35 51.66 51.41 46.3 50.41 51.43 51.95 51.96 50.1 51.47 52.47 50.45 52.72

- 6.1 - 5.1 - 4.1 - 3.4 - 3.4 - 2.5 - 2.5 - 2.4 - 1.4 - 2.4 - 2.3

11.4 10.1 9.1 7.1 7.1 6.8 5.9 5.8 5.2

325'E

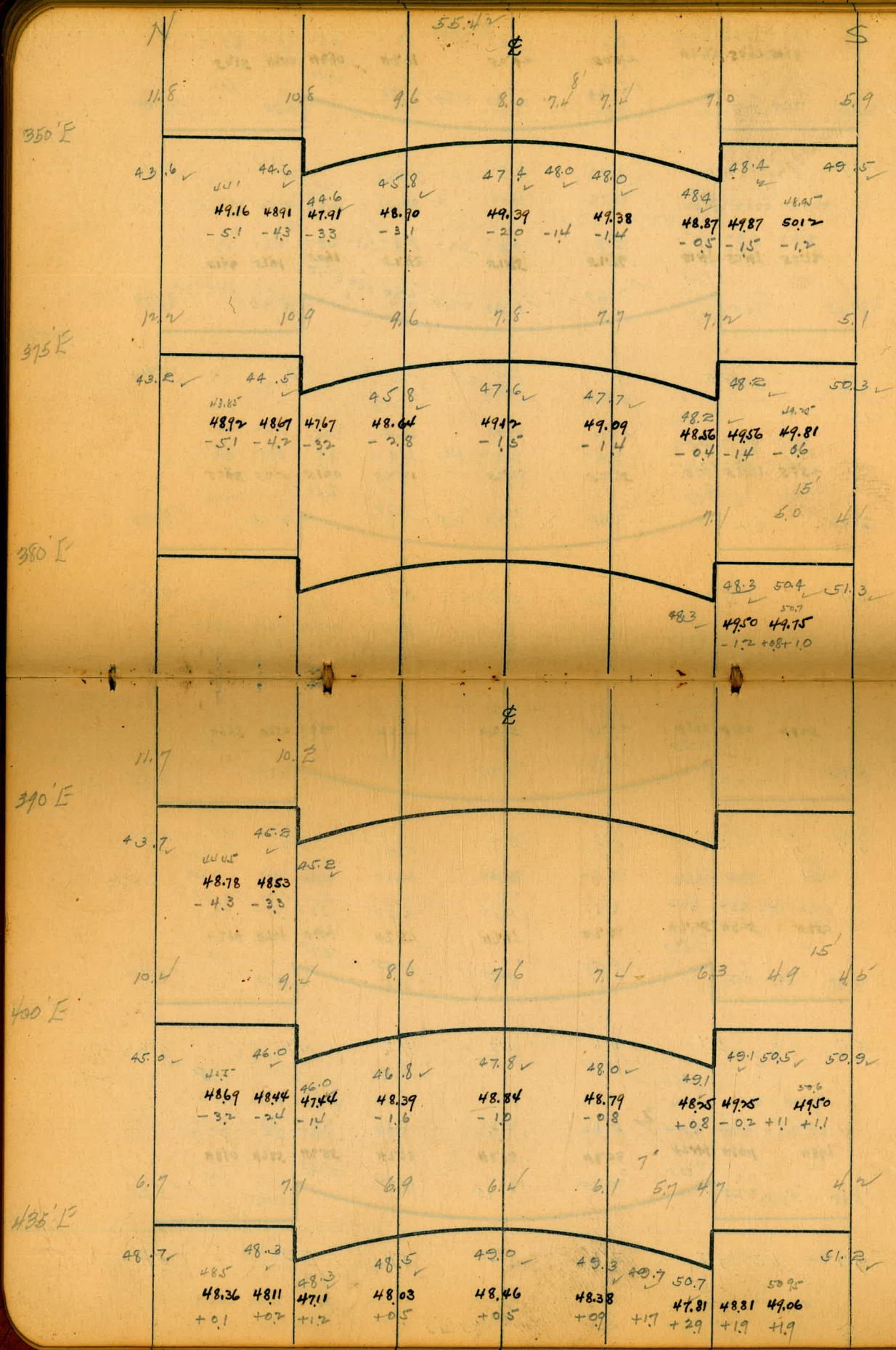
44.0 ✓ 45.0 ✓ 46.3 ✓ 48.3 ✓ 48.3 ✓ 48.6 ✓ 49.5 ✓ 49.6 ✓ 50.2 ✓

44.35 50.15 49.90 45.0 48.90 49.91 50.47 50.47 49.5 49.93 50.93 49.8

- 5.8 - 4.9 - 3.9 - 3.6 - 1.9 - 2.1 - 1.8 - 0.4 - 1.4 - 1.5

MARTIN

39


N
S
℄
55.42
11.8 10.6 9.6 8.0 7.4 7.4 7.0 5.9
350'E
43.6 44.6 45.8 47.4 48.0 48.0 48.4 49.5
49.16 48.91 47.91 48.70 49.39 49.38 48.87 49.87 50.12
-5.1 -4.3 -3.3 -3.1 -2.0 -1.4 -1.4 -0.5 -1.5 -1.2
12.2 10.9 9.6 7.8 7.7 7.2 5.1
375'E
43.2 44.5 45.8 47.6 47.7 48.2 50.3
48.92 48.67 47.67 48.64 49.17 49.09 48.56 49.56 49.81
-5.1 -4.2 -3.2 -2.8 -1.5 -1.4 -0.4 -1.4 -0.6
15'
7.1 5.0 4.1
380'E
48.3 50.4 51.3
49.50 49.75
-1.2 +0.8 +1.0
℄
11.7 10.2
390'E
43.7 45.2 45.2
48.78 48.53
-4.3 -3.8
15'
10.4 9.4 8.6 7.6 7.4 6.3 4.9 4.5
400'E
45.0 46.0 46.8 47.8 48.0 49.1 50.5 50.9
48.69 48.44 47.44 48.39 48.84 48.79 48.25 49.75 49.50
-3.2 -2.4 -1.4 -1.6 -1.0 -0.8 +0.8 -0.2 +1.1 +1.1
7'
6.7 7.1 6.9 6.4 6.1 5.7 4.7 4.2
435'E
48.7 48.8 48.5 49.0 49.3 49.7 50.7 51.2
48.36 48.11 47.11 48.03 48.46 48.38 47.81 48.31 49.06
+0.1 +0.7 +1.2 +0.5 +0.5 +0.9 +1.7 +2.9 +1.9 +1.9
MARTIN
57

N S

55.42 ℄

465' E

4.9 5.2 4.2 3.8 3.2 2.8 2.9 1.6

50.5 50.2 50.2 51.2 51.6 52.2 52.6 52.5 53.8

50.4 50.2 52.6 52.6

48.10 47.85 46.85 47.73 48.13 48.03 47.44 48.44 48.69

+2.3 +2.3 +3.3 +3.5 +3.5 +4.2 +5.2 +4.2 +3.9 +3.9

3.8 4.2 2.6 2.4 1.9 1.8 2.1 1.4

480' E

51.6 51.2 52.8 53.0 53.5 53.6 53.3 54.0

51.4 51.2 53.6 53.5

47.94 47.69 46.69 47.57 47.97 47.86 47.25 48.25 48.50

+3.5 +3.5 +4.5 +5.2 +5.0 +5.6 +6.3 +5.3 +4.9 +5.0

5.0 4.2 1.7 1.0 0.9 1.2 1.6 1.0

500' E

50.4 51.2 53.7 54.4 54.5 54.2 54.4

50.8 51.2 54.2

47.75 47.50 46.50 47.37 47.75 47.62 47.00 48.00 48.25

+3.0 +3.7 +4.7 +6.3 +6.6 +6.9 +7.2 +6.2 +6.0

℄

6.1 5.3 4.4 2.7 1.8 1.5 1.7 2.6 1.5

520' E

49.3 50.1 51.0 53.6 53.9 53.7 52.8 53.9

49.8 51.0 53.7 53.7 53.2

46.44 46.39 45.39 46.26 46.64 46.51 45.89 46.89 47.14

+3.7 +3.6 +4.6 +5.6 +6.4 +7.0 +7.4 +7.8 +6.8 +5.8 +6.1

7.8 7.2 5.6 5.0 5.1 4.9 5.1

550' E

47.6 48.2 50.4 50.3 50.5 50.3

47.9 48.2 50.5

44.99 44.74 43.74 44.61 44.99 44.86 44.24 45.24 45.49

+2.9 +3.5 +4.5 +5.2 +5.4 +5.4 +6.3 +5.3 +4.9

9.7 9.5 8.0 7.3 7.3 7.8 7.8

575' E

45.7 45.9 47.4 48.1 48.1 47.6 47.6

45.9 47.6

43.60 43.35 42.35 43.22 43.60 43.47 42.85 43.85 44.10

+2.2 +2.5 +3.5 +4.2 +4.5 +4.6 +4.7 +3.7 +3.5

Martin

68

599.5' E = W.L. 3rd
60' wide
10' ops
10' / 43

55.42

℄

10'

12.7 12.6 11.9 10.2 9.3 8.9 9.3 9.5 10.8

42.7 42.8 43.5 43.5 45.2 46.1 46.5 46.1 46.1 45.9 44.6

42.25 42.00 41.00 41.37 42.25 42.12 41.50 42.50 42.75
+0.5 +1.5 +2.5 +3.3 +3.8 +4.4 +4.6 +3.6 +3.1

15'

10'

13.6 12.6 11.9 10.9 9.7 9.4 10.0 10.4 12.2

W. cb

41.8 42.8 43.5 43.5 44.5 45.7 46.0 45.4 45.4 45.0 43.2

12.8 13.0 11.7 9.7 9.7 10.3 10.9 12.1

10'

W 1/4

42.6 42.4 42.4 43.7 45.7 45.7 45.1 45.1 44.5 43.3

℄

7'

12.6 13.6 13.3 11.9 11.2 10.6 11.6 12.7

Center

42.8 41.8 42.1 42.1 43.5 44.2 44.8 43.8 43.8 42.7

15'

12.1 13.7 13.3 12.2 12.1 11.1 12.5 13.5

E 1/4

43.3 41.7 42.1 42.1 43.2 43.3 44.3 42.9 42.9 41.9

5' 5'

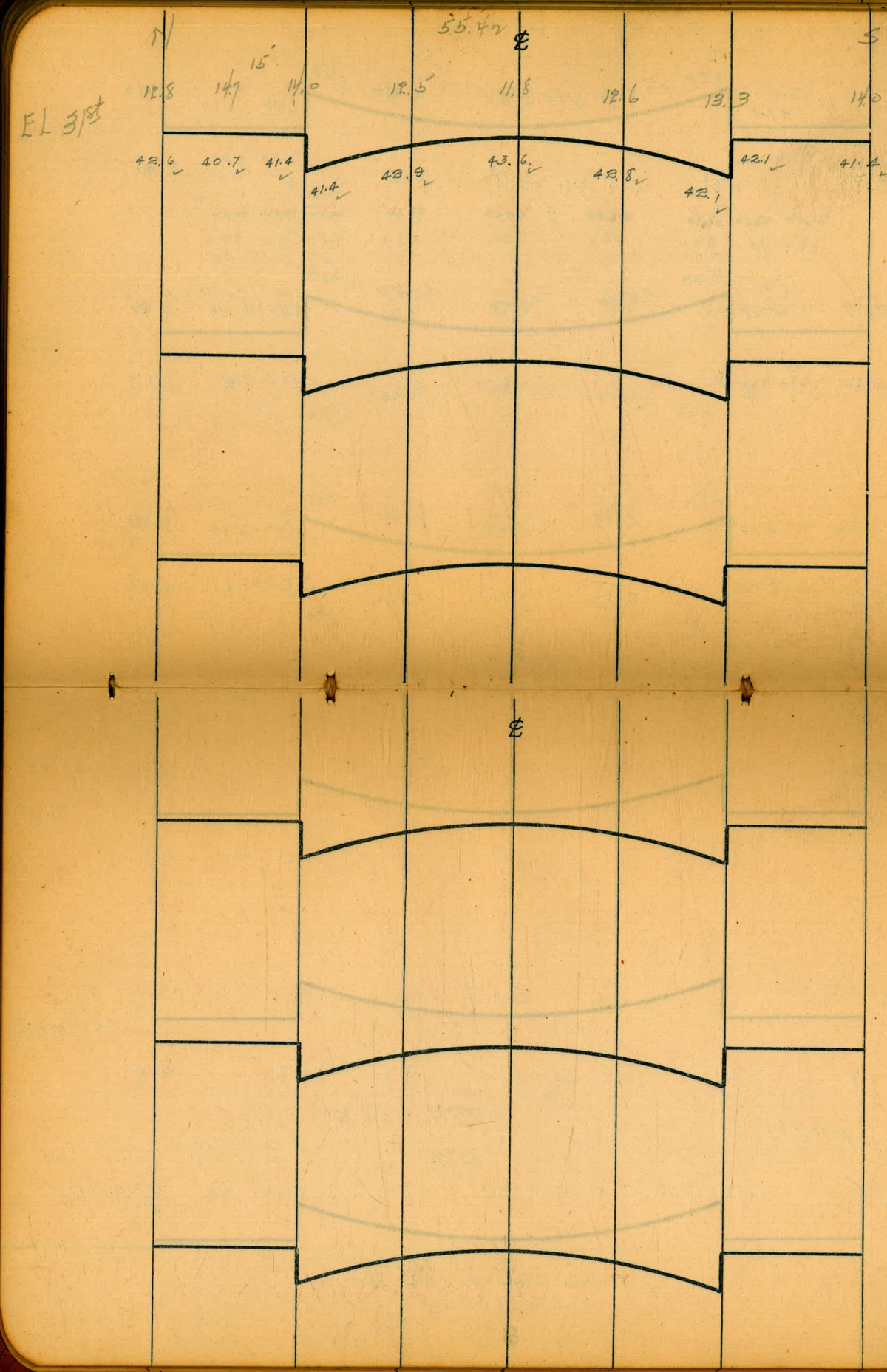
12.7 13.6 13.4 12.5 11.9 11.5 12.2 13.0 13.8

E. cb

42.7 41.8 42.0 42.0 42.9 43.5 43.9 43.2 42.4 42.4 41.6

MAPPIN

69


N
S
55.4
℄
15'
12.8
14.7
14.0
12.5
11.8
12.6
13.3
14.0
EL 31st
42.6
40.7
41.4
41.4
42.9
43.6
42.8
42.1
42.1
41.4
℄

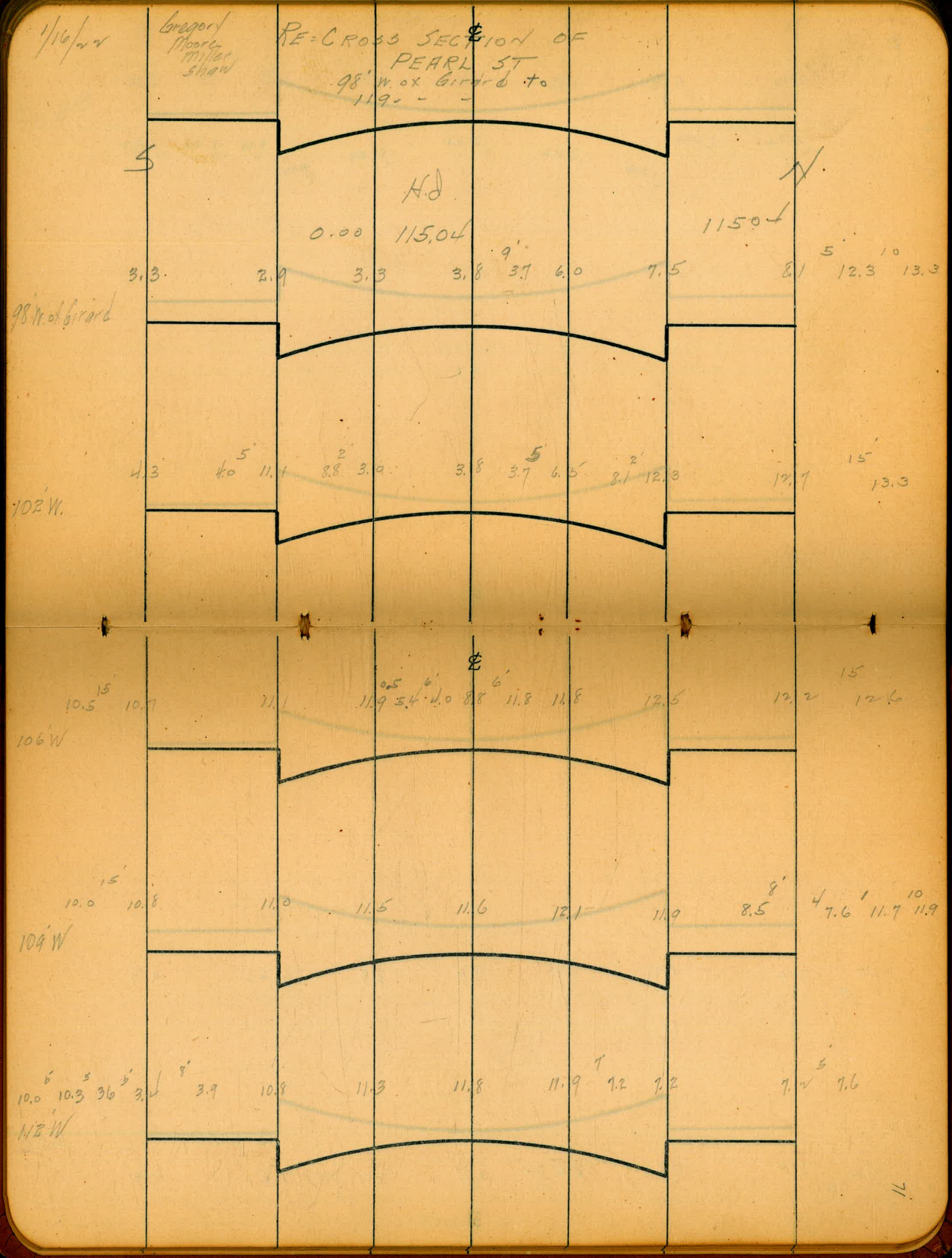
MARTIN

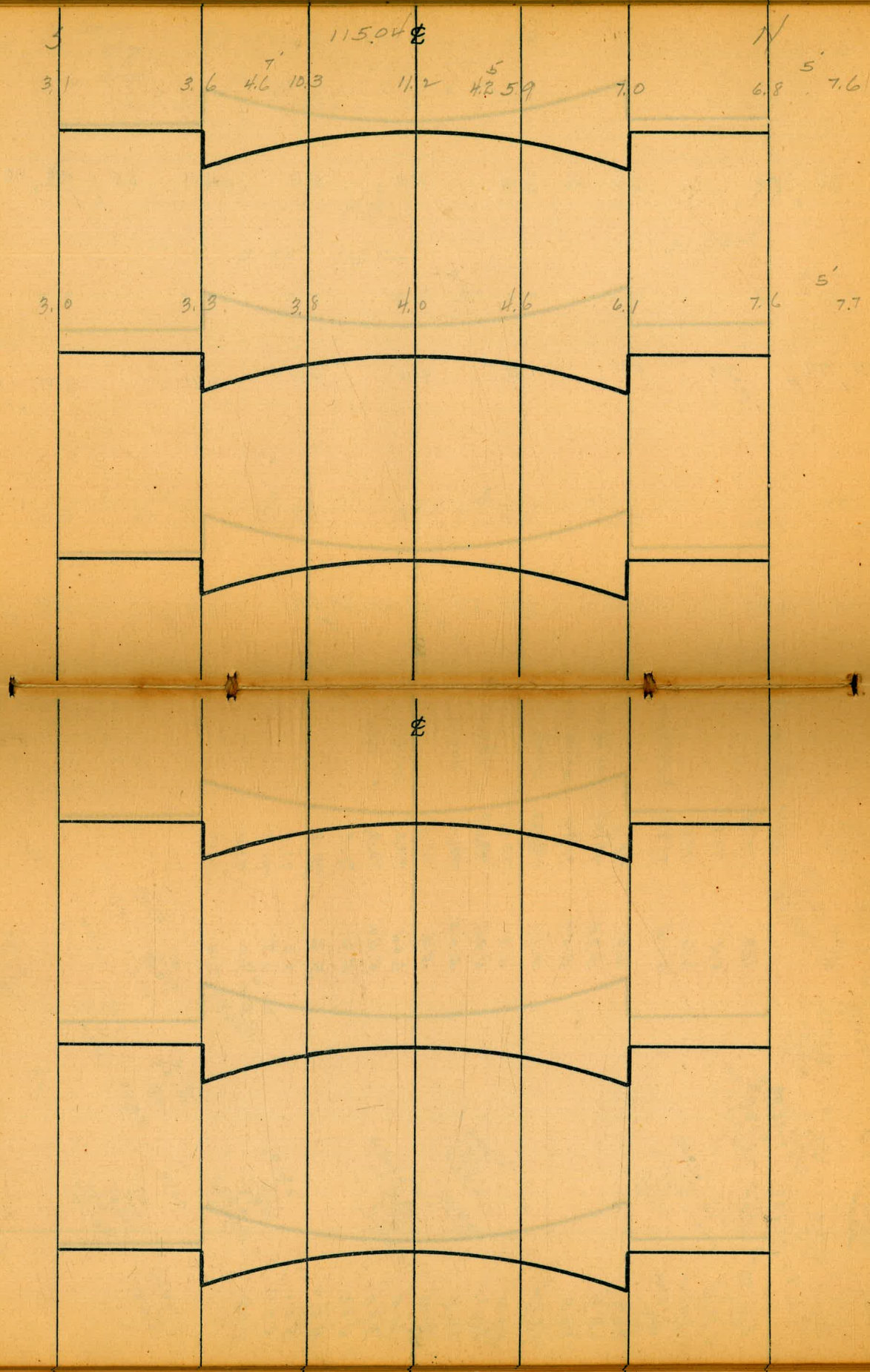
70

1/16/w v

Gregory
Moore
Miller
Shaw

RE-CROSS SECTION OF
PEARL ST
98' W. of Girard to
119 - - -




115.04 ℄
3.1
3.6
4.6
10.3
11.2
4.2
5.9
7.0
6.8
7.6
116' W
3.0
3.3
3.8
4.0
4.6
6.1
7.6
7.7
119' W
℄

8/19/22 Gregory Levels on S.L. of School
Moore
Ellis
Shaw
Property Marcey Arc

	6.20	72.22			66.02	NW Corner 28th											
E.L. 28th	7.14	7743		1.93	70.29		70.46	+ .82									
18' E				5.5	71.9												
59 "				6.6	70.8												
77 "				6.15	71.28	stub											
100				4.8	72.6		71.15	.93									
132				5.35	72.08	stub	71.44	.5									
155				5.49	71.94	stub	71.84	.49									
187.5				5.10	72.33	stub											
200				4.8	72.6		71.95	.54									
211.5				4.94	72.49	stub	71.76	.42									
263				5.25	72.18	✓											
300				5.9	71.5												
305				6.05	71.38	stub	71.61	-.13									
354				5.50	71.93	✓	71.43	+.5									
400				5.6	71.8												
450				5.2	72.2												
500				6.2	71.2												
550				6.9	70.5												
600				7.0	70.4												
				7.5	69.9												

8/19/22
Gregory
Moore
Ellis
Shaw

Levels in Alley Blk. 6 Cleveland Hgts
for garages

		5.84	272.90	267.06	B.P. N.E. Robn & 410
85	5.0 x Robn	W.L. = wood floor		6.10	66.8
90	" " "	1' E.O. x E.L. = cement apron		6.50	66.4
95	" " "	3.5 W.O. x W.L. = dirt floor		6.30	66.6
T.P.		380	270.12	6.58	266.32
106	5.0 x Robn	3.5 W.O. x W.L. = cement floor		3.75	266.37
114	" " "	E.L. = dirt floor		3.70	266.42
193	" " "	1.5 W.O. x W.L. = cement apron		5.72	264.40
207	" " "	1.5 " " " " = " floor		6.70	263.42
268	" " "	4.0 " " " " wood " "		7.5	262.62
370	" " "	E.L. = brick walk to house		9.02	261.10
420	" " "	" " = cement " " "		10.02	260.10
442	" " "	Center of alley = cement floor		10.65	259.47

From Bk. 977 pg. 27

N ℄ S

N.L. ← 0.67' → N.C.L. ← 23.66' → ← 5.67' →

11.85' E. of E.L. 32nd St. prod. N. = E.L. 32nd St. prod. S. (See Tie Pts. E. of 32nd)

11.85

38.15'

325.7 25.0 +0.7 | 325.5 24.86 +0.6 | 325.3 25.11 +0.2

1.33' 10.5' 6.5' 12' 7.33'

325.7 24.33 +1.4 | 324.9 24.45 +0.4 | 325.2 24.93 +0.3 | 325.0 24.76 +0.2 | 325.6 24.58 +1.0 | 325.5 24.19 +1.3

50' E of E.L. 32nd St. prod. North

26.0 24.64 +1.4 | 25.6 24.42 +1.2 | 25.5 24.67 +0.8

1.33' 10.5' 7.5' 4.33'

26.0 23.97 +2.0 | 25.2 24.08 +1.1 | 25.3 24.53 +0.8 | 24.9 24.24 +0.7 | 25.6 23.75 +1.8

50'

100' E

25.5 24.17 +1.3 | 25.4 23.84 +1.6 | 25.3 24.09 +1.2

1.33' 10.5' 7.5' 1' 3.33'

25.5 23.50 +2.0 | 24.8 23.6 +1.2 | 25.0 24.01 +1.0 | 24.7 23.69 +1.0 | 25.4 23.58 +1.8 | 25.4 23.17 +2.2

℄

150' E

25.0 23.7 +1.3 | 24.8 23.26 +1.5 | 24.8 23.51 +1.3

2.33' 9.5' 6.5' 5.33'

25.0 23.03 +2.0 | 24.5 23.23 +1.3 | 24.4 23.48 +0.9 | 24.1 23.23 +0.9 | 24.8 22.59 +2.2

200' E

23.7 23.22 +0.5 | 23.6 22.68 +0.9 | 23.6 22.93 +0.7

7.33' 4.5' 6.5' 7' 3.33'

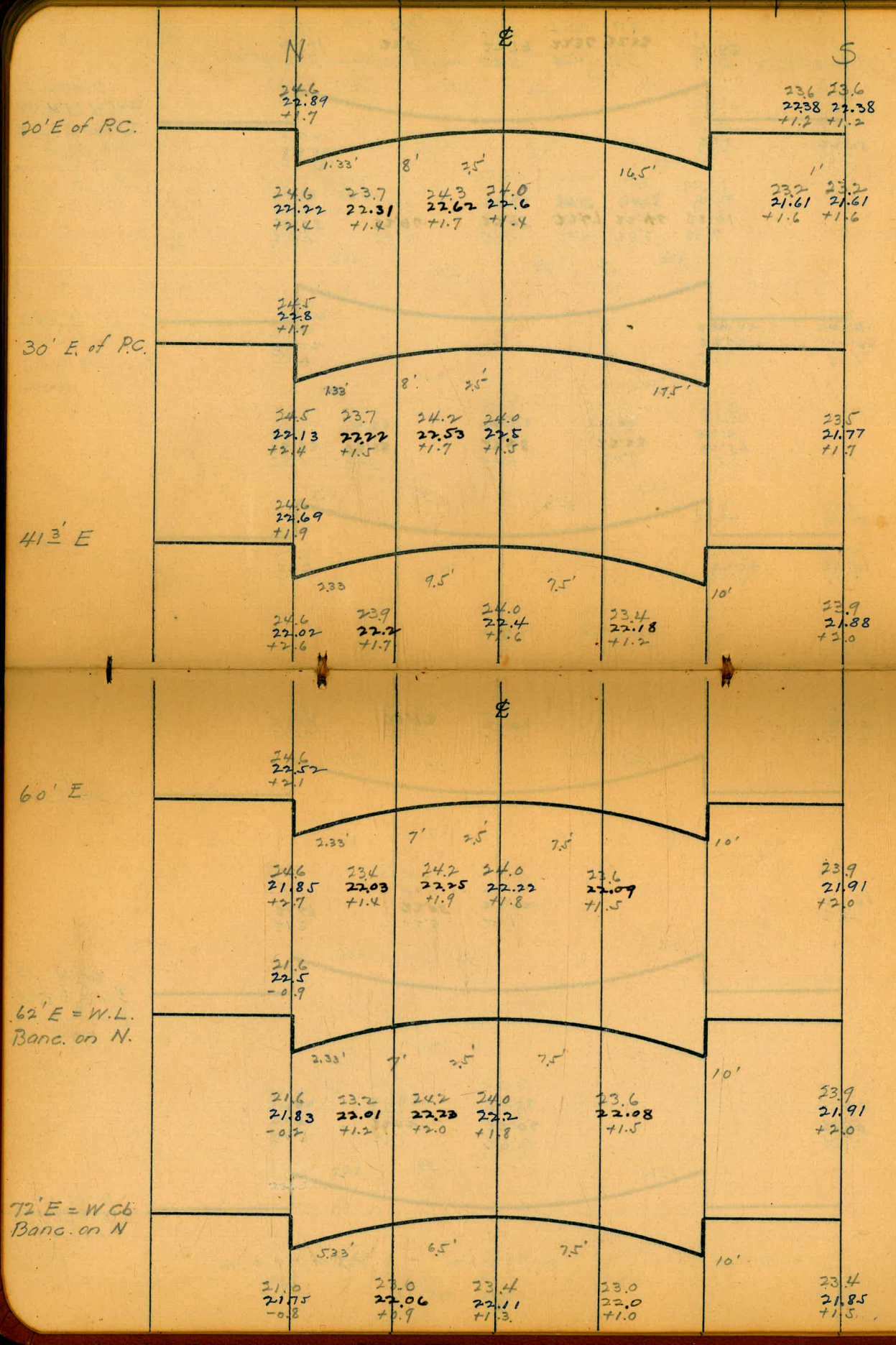
23.7 22.55 +1.1 | 24.0 22.96 +1.0 | 23.7 22.95 +0.7 | 23.3 22.67 +0.6 | 23.6 22.46 +1.1 | 23.6 22.01 +1.6

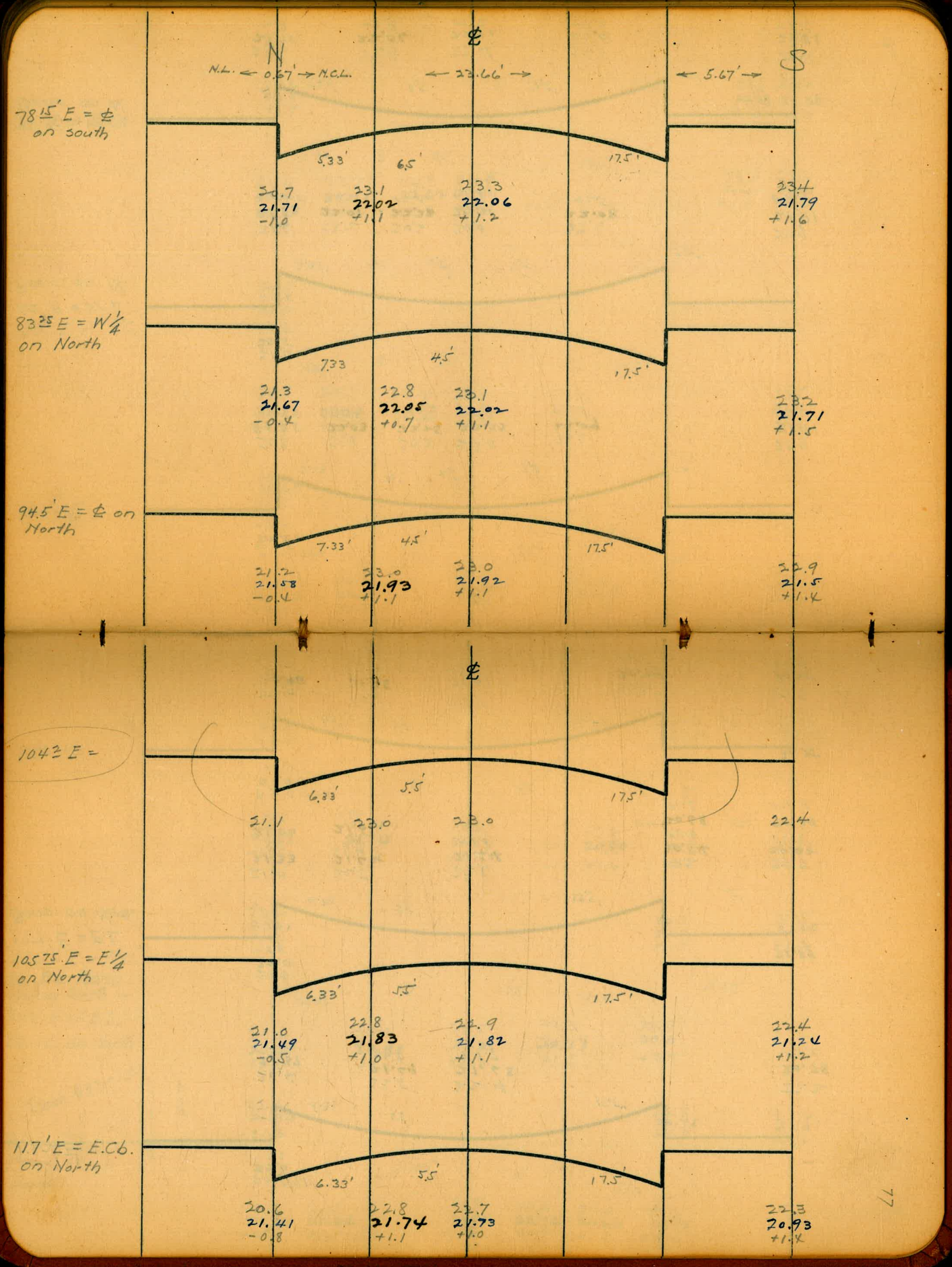
215.15' E = P.C. on W.L. Banc. St. going S.

23.5 23.08 +0.4 | 23.5 22.5 +1.0 | 23.4 22.75 +0.6

1.33' 10.5' 7.5' 1' 3.33'

23.5 22.41 +1.1 | 23.1 22.5 +0.6 | 23.5 22.79 +0.7 | 23.0 22.36 +0.6 | 23.5 22.23 +1.3 | 23.5 21.83 +1.7


N
℄
S
20' E of P.C.
24.6 22.89 +1.7
23.6 22.38 +1.2
23.6 22.38 +1.2
1.33'
8'
7.5'
16.5'
1'
24.6 22.22 +2.4
23.7 22.31 +1.4
24.3 22.62 +1.7
24.0 22.6 +1.4
23.2 21.61 +1.6
23.2 21.61 +1.6
30' E. of P.C.
24.5 22.8 +1.7
1.33'
8'
7.5'
17.5'
24.5 22.13 +2.4
23.7 22.22 +1.5
24.2 22.53 +1.7
24.0 22.5 +1.5
23.5 21.77 +1.7
41 3/4' E
24.6 22.69 +1.9
2.33
9.5'
7.5'
10'
24.6 22.02 +2.6
23.9 22.2 +1.7
24.0 22.4 +1.6
23.4 22.18 +1.2
23.9 21.88 +2.0
℄
60' E
24.6 22.52 +2.1
2.33'
7'
7.5'
7.5'
10'
24.6 21.85 +2.7
23.4 22.03 +1.4
24.2 22.25 +1.9
24.0 22.22 +1.8
23.6 22.09 +1.5
23.9 21.91 +2.0
62' E = W.L.
Banc. on N.
21.6 22.5 -0.9
2.33'
7'
7.5'
7.5'
10'
21.6 21.83 -0.2
23.2 22.01 +1.2
24.2 22.23 +2.0
24.0 22.2 +1.8
23.6 22.08 +1.5
23.9 21.91 +2.0
72' E = W.Cb
Banc. on N
5.33'
6.5'
7.5'
10'
21.0 21.75 -0.8
23.0 22.06 +0.9
23.4 22.11 +1.3
23.0 22.0 +1.0
23.4 21.85 +1.5


N
℄
S
N.L. ← 0.67' → N.C.L.
← 23.66' →
← 5.67' →
78 15/25' E = ℄ on south
5.33'
6.5'
17.5'
20.7
21.71
-1.0
23.1
22.02
+1.1
23.3
22.06
+1.2
23.4
21.79
+1.6
83 25/25 E = W 1/4 on North
7.33
4.5'
17.5'
21.3
21.67
-0.4
22.8
22.05
+0.7
23.1
22.02
+1.1
23.2
21.71
+1.5
94.5' E = ℄ on North
7.33'
4.5'
17.5'
21.2
21.58
-0.4
23.0
21.93
+1.1
23.0
21.92
+1.1
22.9
21.5
+1.4
℄
104 2/25 E =
6.33'
5.5'
17.5'
21.1
23.0
23.0
22.4
105 75/25' E = E 1/4 on North
6.33'
5.5'
17.5'
21.0
21.49
-0.5
22.8
21.83
+1.0
22.9
21.82
+1.1
22.4
21.24
+1.2
117' E = E.Cb. on North
6.33'
5.5'
17.5'
20.6
21.41
-0.8
22.8
21.74
+1.1
22.7
21.73
+1.0
22.3
20.93
+1.4

N ℄ S

122' E

20.4
22.0
-1.6

5.33 6.5' 17.5'

20.4
21.37
-1.0

22.5
21.69
+0.8

22.4
21.68
+0.7

22.2
20.78
+1.4

127' E = E.L.
Banc. on North

21.0
22.0
-1.0

21.29

4.33' 7.5' 12.5' 5'

21.0
21.33
-0.3

21.00
0.0

22.5
21.62
+0.9

21.5
+1.0

22.6
21.64
+1.0

22.2
20.84
+1.4

20.68
+1.5

22.7
20.62
+2.1

20.29
+2.4

23.0
21.96
+1.0

130' E

21.25

2.33' 9.5' 10.5' 7'

23.0
20.96
+2.0

22.5
21.75
+1.2

22.5
21.61
+0.9

22.3
20.79
+1.5

22.8
20.75
+2.5

℄

137' E

23.5
21.87
+1.6

22.3
21.18
+1.1

22.6
21.43
+1.2

2.33' 9.5' 9.5' 8'

23.5
20.87
+2.6

22.4
21.16
+1.2

22.6
21.53
+1.1

22.2
20.60
+1.6

2.33'

22.3
20.18
+2.1

5.67'

22.6
20.18
+2.4

23.2
21.61
+1.6

22.7
21.0
+1.7

22.5
21.25
+1.2

156 3/4' E = P.C.
on E.L. Banc.
going South =
293' E of E.L.
Banc. on North

2.83 9.5' 7.5' 4.33' 5.67'

23.2
20.61
+2.6

22.3
20.91
+1.4

22.5
21.31
+1.2

22.3
20.77
+1.5

22.7
20.0
+2.7

21.25

Book 983-10

70.7'

22.6
21.34
+1.3

22.3
20.75
+1.5

22.2
21.0
+1.2

50' E of E.L.
Banc. St. on
North

0.83' 11.00' 5' 5.83

22.6
20.34
+2.3

21.9
20.44
+1.5

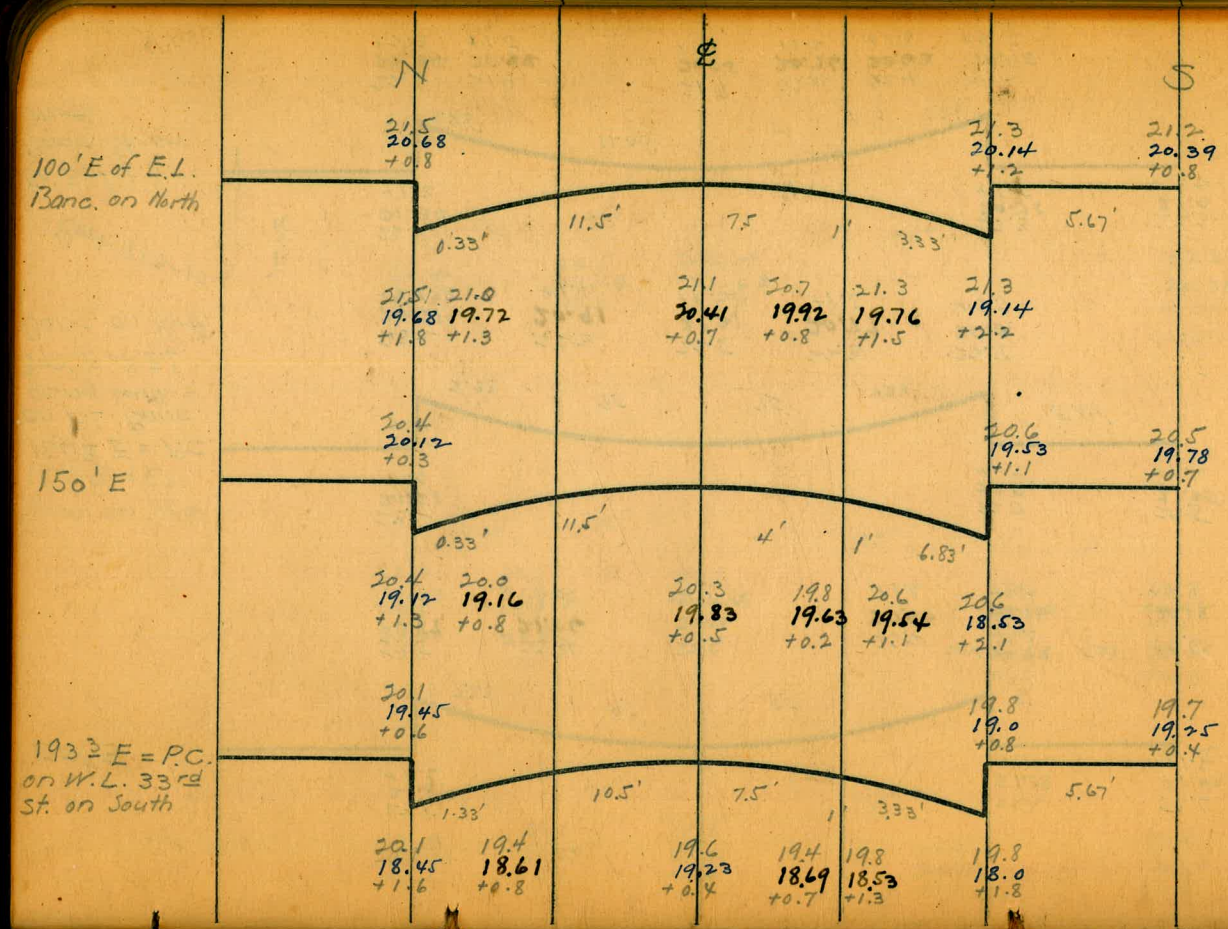
21.9
21.05
+0.8

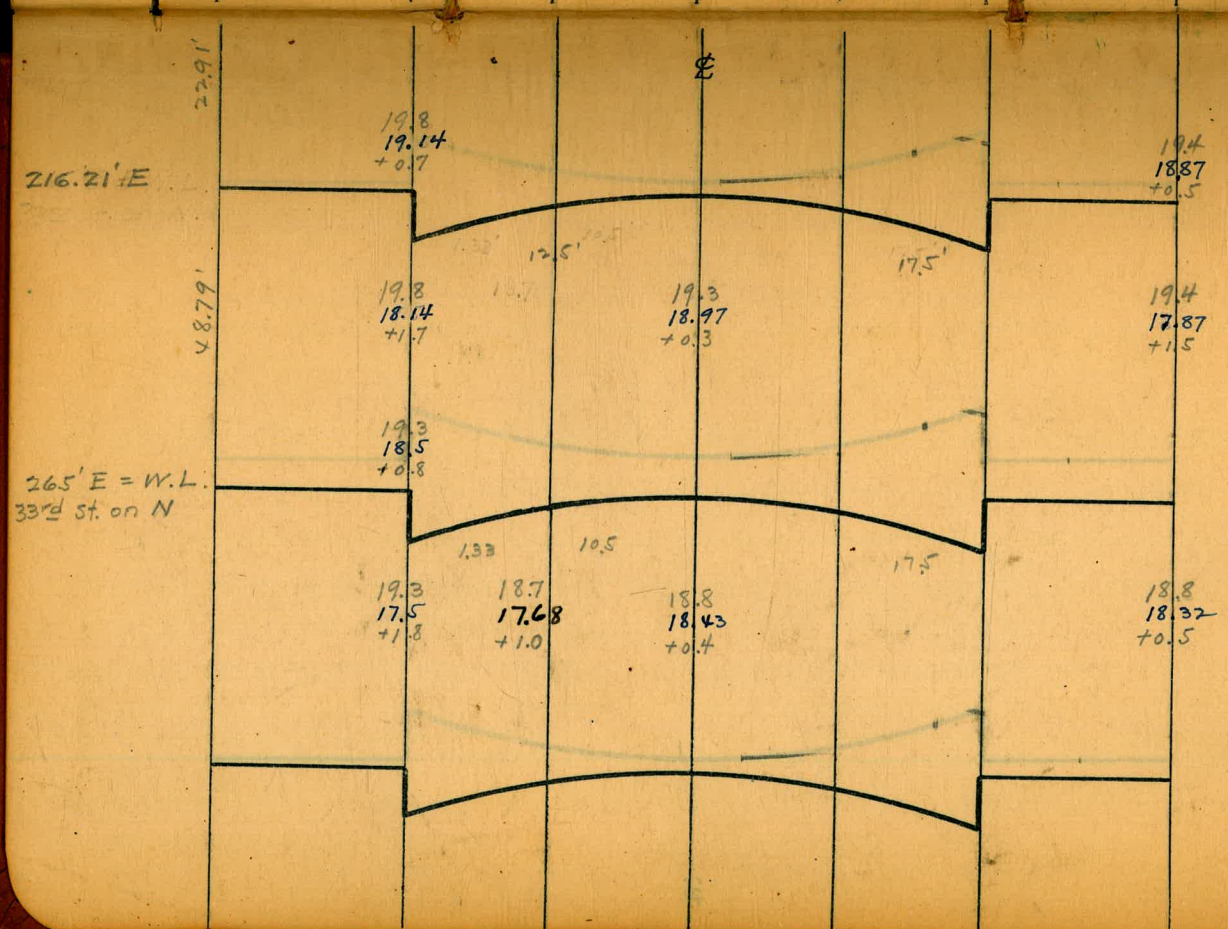
22.0
20.76
+1.2

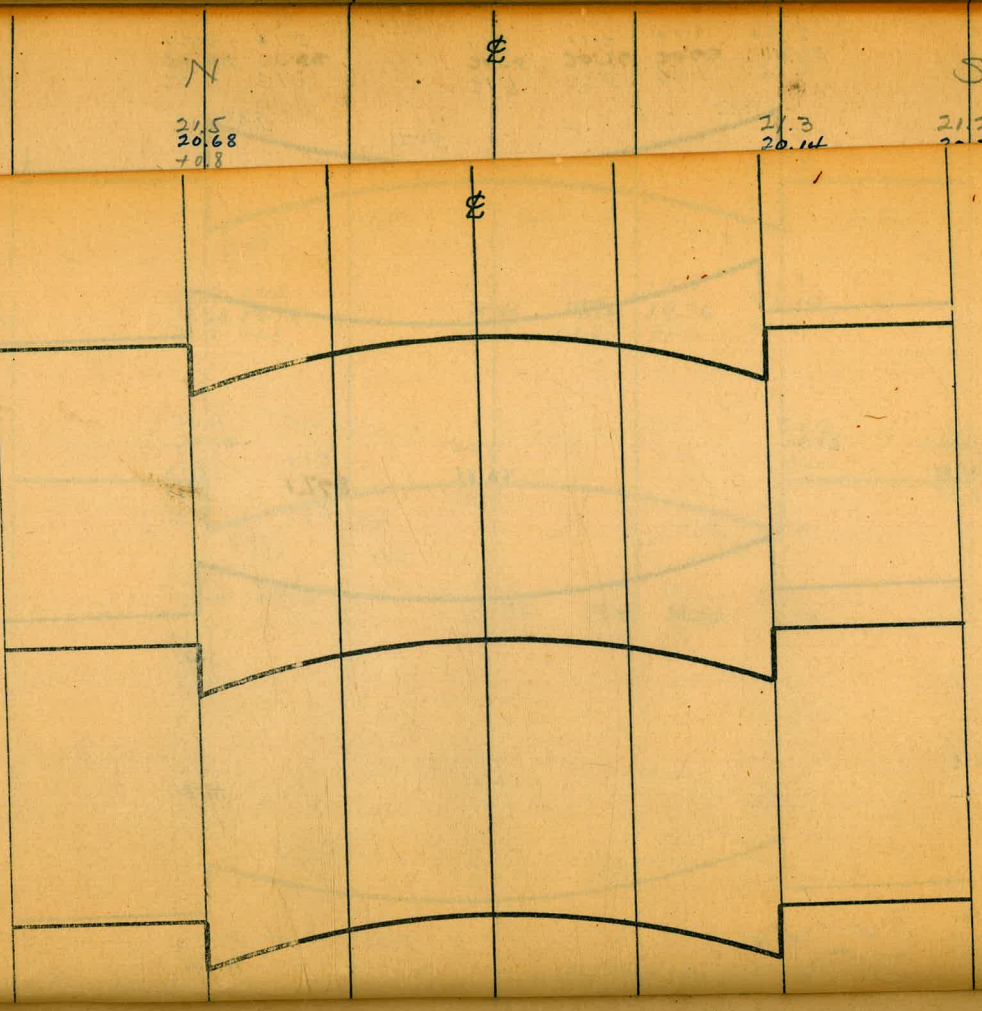
22.4
20.63
+1.8

22.3
19.75
+2.5

78


N
℄
S
100' E of E.L.
Banc. on North
21.5
20.68
+0.8
21.3
20.14
+1.2
21.2
20.39
+0.8
11.5'
7.5
1'
3.33'
5.67'
0.33'
21.5
19.68
+1.8
21.0
19.72
+1.3
21.1
20.41
+0.7
20.7
19.92
+0.8
21.3
19.76
+1.5
21.3
19.14
+2.2
150' E
20.4
20.12
+0.3
20.6
19.53
+1.1
20.5
19.78
+0.7
11.5'
4'
1'
6.83'
0.33'
20.4
19.12
+1.3
20.0
19.16
+0.8
20.3
19.83
+0.5
19.8
19.63
+0.2
20.6
19.54
+1.1
20.6
18.53
+2.1
193.3' E = P.C.
on W.L. 33rd
St. on South
20.1
19.45
+0.6
19.8
19.0
+0.8
19.7
19.25
+0.4
10.5'
7.5'
1'
3.33'
5.67'
1.33'
20.1
18.45
+1.6
19.4
18.61
+0.8
19.6
19.23
+0.4
19.4
18.69
+0.7
19.8
18.53
+1.3
19.8
18.0
+1.8


22.91'
℄
216.21' E
19.8
19.14
+0.7
19.4
18.87
+0.5
12.5'
17.5'
48.79'
19.8
18.14
+1.7
19.3
18.97
+0.3
19.4
17.87
+1.5
265' E = W.L.
33rd St. on N
19.3
18.5
+0.8
1.33
10.5
17.5
19.3
17.5
+1.8
18.7
17.68
+1.0
18.8
18.43
+0.4
18.8
18.32
+0.5


N
℄
S
21.5
20.68
+0.8
21.3
20.14
21.2
100' E of E1
℄

Pearl

Draper NW spk 8784

Curier SE spk 820

Drape Mon 8760

Fay SE 111.58

114.23

Cabrillo

Mrs. Cook

Fin. + Stein

Grrard

Hermosa

279.70

139.81

98

102

106

109

112

116

119

279.66

139.82

50.00

286.65

2796

139.82

282

410

338

116.19

1st + Montecito

Fifth St. Hdd

13 + 14

17

209

Mexia – El Dorado

El Dorado Arkansas

266

65 P O 2'

61

7.0 P O 1.5'

85

7.8 A O .83

9.6

7.8 A O 1.0'

20

~~8.0~~ E O 2'

16.4

~~8.0~~ E O 2.2

19.

~~8.0~~ E O 1.3

18.5

~~8.2~~ E O 7.3

18.5

~~8.5~~ E O ~~2.4~~

16

~~8.7~~ E O 2.2

16

~~7.6~~ E O 3.0

19.6