

F.B. 29-2

TRANSIT

398

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

H. S. CROCKER COMPANY

DRAWING MATERIALS AND
SURVEYING INSTRUMENTS

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	
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	
22	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	
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.

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

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City Hall, San Diego, Cal.

MICROFILMED
DEC 4 1964

29

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

FROM
Loring's Book Store
SAN DIEGO, CAL.

10 } Dam
 1 } Emery
 07 } Coltd. db.

Curb Grades for lots 5-6
 Spk 223 Land & S.
 Louisa Quinn Corner
 A Chamberlain Court
 Penn. 3129

80.31 - BM Spk. P. 10. S. W. Cor. Sampson & Julia
 4.30
 84.61 H. 80.5 79.33 79.75
 4.11 5.28 5.86

2 Staffs

86.00 H. 79.33 79.75
 7.47 8.05
 CHK 11
 27
 07

Sampson POSTED

80.5	1
79.92	2
	3
79.33	4
39.37	
78.75	" 6
	7
78.17	8
	9
77.58	10
	11
77.01	223
76.42	
75.83	
75.25	
74.67	
74.08	
70.5	24

Julian

Drum

Sicard

Oct. 17 1907

builds
Evans
Barber

Curb Grades

For 62.5' Curb & Walk
on the North Side Julian
between 22nd & 23 Sts.
Being in front of lots

12, 13 & W 1/2 of 14.

Blk 227, M & S. Add

Permit 3170

Contractor - A. Chamberlain.

Owners West (lot 12)
Collins (lot 13, & W 1/2 14)

42.18 BM

9.42 ✓ 48.10

51.60 3.70

4.50

6.6 48.94

47.62 2.66

3.98

48.21

3.39

3 stakes
4821 1850 1879 2894
307 277 249 234
910
51,284

OK Chub 12/17/07 gatch Emery

22nd

POSTED 2

50'	45.0		
20'	45.29	1	
	45.58	2	
	45.88	3	
	46.17	4	
	46.46	5	
	46.75	6	
	47.04	7	
	47.33	8	
	47.62	9	
	47.92	10	
	48.21	11 227	
	48.50	12 3965	
	48.79	13 3966	
	49.08	14 "	
	49.38	15	
	49.67	16	
	49.96	17	
	50.25	18	
	50.54	19	
	50.84	20	
	51.13	21	
	51.42	22	
	51.71	23	
	52.00	24	

Julian Ave.

Irving Ave.

23rd St.

Oct. 21, 1907

Childs

Evans

Barber

Curb Grade for lots 31 & 32 Blk 239
Land & Town

For 50' of Curb and walk on
the South side of Harrison between
23rd and 24th Sts. lying in front of
lots 31 & 32 Block 239 Land & Town.

Permit 3177

Contractor A. Chamberlain

Owner J. W. Barber

75.90 B.M. 718, cor. Harrison & Dewey

1.80
74.70 ✓ 22.7 67.81 B.M. alley bet Harrison & Irving
66.9 75.27 ✓ 74.07 ✓ 6.26
7.80 6.69 7.17 66.0
6.66 8.07
7.47 65.2 4 stakes
8.87

not in 12/17/07

" " 2/27/05

80 " 50
(6) 24th
Dewey

ST

0.06	25	24
← 100 →	26	23
arc	27	22
	28	21
	29	20
2.49	30	19
6.99	31	18
9.97	32	17
0.99	33	16
2.99	34	15
4.99	35	14
	36	13
	37	12
	38	11
	39	10
9.25	40	9
8.25	41	8
	42	7
	43	6
	44	5
	45	4
	46	3
	47	2
	48	1

239

Harrison

Irving

(S) 23rd
Crosby

ST

Oct. 21, 1907

Schulds
Evans
Barber

Curb grade for lots 21 & 22 Blk
227 Mainmass & Schillers add.

For 50' of curb and walk on
the North side of Julian Ave. bet.
22nd and 23 Blk. 227. M. & S.

Permit No. 3176.

Contractor, A. Chamberlain
Owner, Nancy E. Patten

85
426
59

52.52 B.M. alley bet. Julian & Kennedy

4.50
57.02 ✓
51.42
5.60

50.83
6.19

I stakes

5125 ft 57.42 50.83
214 4.26 4.85
49.14 39
654 544 ✓
33,68 ft

OK Check 12/7/07 Hatch
Emery

Note Also checked lots 19-20
Permit in another book

40.2

POSTED 4

22nd

45.0

Julian

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24

227

49.08

49.66

One

50.83

51.42

52.0

23rd

ST

Irving

One

50.83
3969

11
6 } Dawn
07 } Colbath

Curb Grades

For Lots 25, 26, 27, 28,
33 & 34 - Blk 241
Land & Town Add

Permit 3199

Various owners.
Wm T Hooker - contr.

94.47 - B.M. Spk Pole S.W. Harrison & Simpson
4.78
99.25 14. 93.0° 93.69 94.38 95.77
6.25 5.56 4.87 3.48

96.46
2.791 4 stakes
94.47 93 93.69 94.38 95.77 96.46
4.22 500 4.31 2.72 2.23
98.69 AS

Chuck 12/17/07 Hatch
Emery

POSTED 5

Evans (25th) St.

1	48	27.5
2	47	
3	46	
4	45	
5	44	2.00'
6	43	
7	42	
8	41	X 95.2
9	40	
10	39	
11	38	1.00'
12	37	241
13	36	
14	35	* 96.1 96.46
15	34	3970
16	33	"
17	32	95.77
18	31	95.08
19	30	
20	29	2.50'
21	28	94.38
22	27	"
23	26	" 93.69
24	25	" 93.00

Sampson (26th) St.

1/2 Lavo
 6 Down
 of Colbath

POSTED

Curb Grades

For Lots 23 & 24 BK 225

S.D. Land & Town Add

J.C. DeLano owner

Fred Wallin contr

Permit 3202

84.80 RT $\frac{52.00}{2.20}$ $\frac{2982}{4.98}$

3 Stakes

84.77
 40
 85.17 RT $\frac{82.00}{3.17}$ $\frac{2982}{5.25}$

1078
 50
 80,64 RT $\frac{82}{4.64}$ $\frac{2982}{6.82}$

OK checked 1 1/2 of 1/2 of 1/2

24th
 61.0

St

Julian Ave

73.3

Julian

77.65

79.82

82.00

25th

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

39.71

11.24

225

Irving Ave

St

4 Dams
 57 } Dams
 Collard

24th

St. POSTED

60.0

Curb Grades

For Lots 31 & 32
 BIK 189
 S.D. Land & Town Add

Henry Hunter owner

Fred Wallin contr

Permit 3201

80.31-BM

6.63

86.94

2.17

84.77 BM Tall in cement wall NW 259 Julian

0.03

84.80

74.95

72.60

9.85 12.20

26.80

watcher

4.15 2.12

81.95 12.37

4.13

85.17

74.95

72.60

1.85

10.22

12.57

12.6

6.0

CHK

4/27

5/7

Dams
 Collard

OK

Kearney Ave.

1	48
2	47
3	46
4	45
5	44
6	43
7	42
8	41
9	40
10	39
11	38
12	37
13	36
14	35
15	34
16	33
17	32
18	31"
19	30
20	29
21	28
22	27
23	26
24	25

189

72.60

72.6

74.95

77.30

79.60

82.0

Julian Ave

25th

St

11/2
17/2
Collard

Curb Grades.

For Lot. 48 BIK. 98.

S.D. Land & Town Add.

Lila Burns owner

J. Frank Over cont'r

Permit 32.13

45.44 M

37.00 35.83 34.66 33.73
8.44 9.61 10.78 11.71

44.42 M

37.00 35.83 34.66 33.73
7.42 8.59 9.76 10.69

CHK 1/2 of Lila
of Collard

OK

Sicard

St.

POSTED

Newton Ave.

Main St

25	24
26	20
27	22
28	21
29	20
30	19
31	18
32	17
33	16
34	15
35	14
36	13
37	12
38	11
39	10
40	9
41	8
42	7
43	6
44	5
45	4
46	3
47	2
48	1

98

3939
37.0 35.83 34.66 33.73

Sampson

St

$\frac{1}{6}$ } Darr
 $\frac{6}{07}$ } Down
 } Co. Alt

Evans

St

POSTED

9

Curb Grades

For Lot 24 BIK 127

SD Land & Town Add.

V. V. Rood owner

J. Frank Over contr

Permit 3206.

54.18 B.M. Spk. pic. N.E. Sampson & Nat'l
 1.50
 55.98 H. 44.93 44.67 37.83
 11.05 11.05 3.77 8.61
 44.93 TP.
 0.51
 45.44 H. 45.00 43.00 40.50 38.00
 0.44 2.04 4.94 7.44

3 steps

54.18 45.00 43.00 40.50 38.00
 20.5 11.24 1.42 3.72 6.42
 56.24 H.
 12.11
 44.13 TP.
 24
 44.42

chk $\frac{1}{2}$ } Darr
 } Co. Alt
 O.K.

Newton Ave.

National Ave.

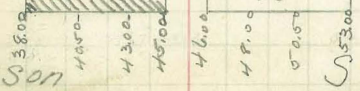
1	48
2	47
3	46
4	45
5	44
6	43
7	42
8	41
9	40
10	39
11	38
12	37
13	36
14	35
15	34
16	33
17	32
18	31
19	30
20	29
21	28
22	27
23	26
24	25

127

3940

Sampson

St



Evans

St.

POSTED

82.0

Curb Grades.

For Lots 37 & 38

Blk 190

Land & Town Add.

Mr. Pratt owner.

Hercules Stone & Brick Co
contr

Permit 3219

Walk being laid at Ch. $\frac{1}{2}$

86.80 141. 81.75 81.50
5.05 5.30

chk $\frac{1}{2}$ } Darn
09 } Colbath

Ave.

Hearney

Sampson

Ave.

Julian

190

48

47

46

45

44

43

42

41

40

39

38

37"

36

35

34

33

32

31

30

29

28

27

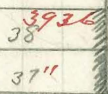
26

25

81.75

81.50

80.0



11) Dams
 16) Down
 07) Colbath

Curb Grades

For Lots 29, 30, 31, 32, 33 & 34

Blk 279, Land & Town Add.

Mr. Grieg owner

Hercules C. S. & B Co contr.

Permit 3221.

7408 - B.M. Hyd't No. 7 S.E. 25 by Franklin

7454	70.75	70.50	70.25	70.00	68.75
	3.79	4.04	4.29	4.54	5.79

+ stake
 "
 "
 "
 "
 "

Dewey

St.

11

60.00 POSTED

Ave.

Ave.

279

Grant

Evans

St.

Franklin

48	
47	
46	
45	
44	
43	
42	
41	
40	
39	
38	
37	
36	
35	
34	68.75
33	70.00
32	
31	70.25
30	
29	70.50
28	
27	70.75
26	
25	71.00

115 Down
29 Down
07 Collath

Curb Grades for
Lots 40 & 41 Blk. 187
M & S Add.

Fred Wallin - Contr.
J.C. Ratt - Owner
Permit # 3222

42.18 - B.M.

8.01		47.04	47.62
50.19	142	3.15	2.571

5125 187
~~417~~ 2 stakes
1704 4762
424 366

OK check 12/17/07 {Gitch Emery

23rd

St. 12

POSTED

520	25	24
Ave.	26	23
	27	22
	28	21
	29	20
	30	19
	31	18
	32	17
	33	16
	34	15
	35	14
	36	13
	37	12
	38	11
	39	10
47.62	40	9
	41	8
47.04	42	7
	43	6
	44	5
	45	4
	46	3
	47	2
45.0	48	1

Ave.

Hearney

Julian

22nd

St.

$\frac{11}{20}$ } Davin
 $\frac{07}{07}$ } Dorn
 Coltraths

Curb Grades for
 Lots 25-30 inc. B.190
 Land & Town Add

Barr & Abbott-owners

Hercules C. S & B. Co
 Contractors

Permit # 3230

80.31 - B.M. Sp. Blk. S.W. 26th x Julian
 $\frac{4.45}{84.76}$ 142 $\frac{80.25}{4.51}$ $\frac{80.00}{4.26}$ $\frac{80.75}{4.01}$

3 catches

86.00 M $\frac{80.00}{6.00}$ $\frac{80.25}{6.05}$ $\frac{80.00}{6.30}$ $\frac{80.75}{6.05}$

Chk. $\frac{11}{27}$ } Davin
 $\frac{07}{07}$ } Coltraths

Covered.

Ave

26th

St.

Ave.

POSTED 13

80.00	39.34	24
80.25	28"	23
	27"	22
80.50	28"	21
	29"	20
80.75	30"	19
	31	18
81.00	32	17
	33	16
81.25	34	15
	35	14
81.50	36	13
	37	12
81.75	38	11
	39	10
82.00	40	9
	41	8
82.25	42	7
	43	6
82.50	44	5
	45	4
82.75	46	3
	47	2
83.00	48	1

190

Julian

25th

St

Hearney

11 Dawn
 12 Colwell
 17 Bunnell

Evans

St.

POSTED

83.00

Curb Grades

For Lots 31, 32, 33 & 34

B/K 190

Land & Town Add.

Various owners

Hercules C, S, & B Co., cont'rs

Permit 3238.

80.31
 6.49
 86.80

81.00 81.25 10.75
 5.80 5.55 6.05

80.95
 5.205
 85.520
 0.46
 80.96

state
 80.75 81.00 81.25
 1.77 2.52 1.27

OK. Check 12/7/07 Hald
 Emery

Kearney Ave.

190

Ave.

48	
47	
46	
45	
44	
43	
42	
41	
40	
39	
38	
37	
36	
35	81.25
34	81.00
33	80.75
32	
31	
30	
29	
28	
27	
26	
25	80.00

Sampson St.

12/13/57 Hatch Williams Emery

Curb Grades

For Lots 19 & 20

Blk 227

Manasse & Shillers Add.

Mrs Opperman owner

A. Chamberlain contr.

Permit 3252

52.52 BM spt fence S. Cor. Alley Harry-Julian

45.9

57.05

52.52

44.3

56.95

1 stake

50.25 52.83
6.70 6.12

Chuck at 7/17 4 stake Emery

22nd St.

45.0

POSTED

Ave.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24

227

Julian

50.25

50.83

52.0

Ave.

Irving

25

23rd

St

Crosby

Curb Grades
For Lots 3 & 4
Blk 226

Land & Town Add
A. Chamberlain
owner

Chris. Kueke cont

Permit 3258

52.50 Bm SE cor ally Bldg Keating & Jahn
546
58.98 5375 5-4-17 24
53.23 53.23 4-4-8 07
52.52
443
56.95 H
2 stakes
53.75 54.50
320 245
check ok $\frac{4}{17}$ Hatch
08 Emery

53.00	1
53.75	2
54.50	4 1/2 3/2
	4 "
	5
55.25	6
Ave.	7
56.0	8
	9
56.75	10
	11
57.50	12
	13
58.25	14
	15
59.0	16
	17
59.75	18
	19
60.50	20
	21
61.25	22
	23
62.00	24

226

Irving Ave.

Dewey

St

Dec. 27/07 } Childs
 Evans
 Barber

Curb Grades
 For Lots 687,
 B.14 222

Land & Town Add.

K.E. Hyde owner

Hercules Co contr.

Permit 3261

65.17 B.M. 28th & Logan S.W. ofk. in elec. pole
 10.98
 76.15
 70.79 71.26 71.86 72.33
 5.39 4.92 4.29 3.82

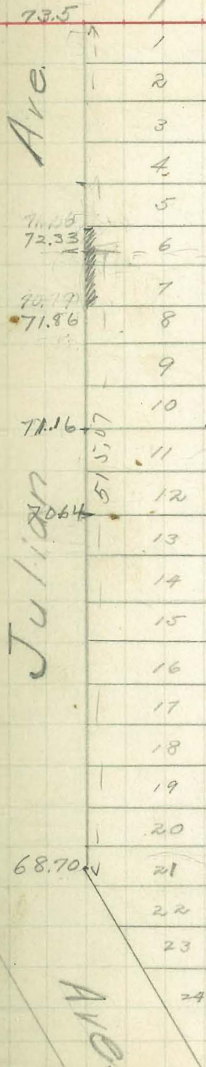
(75.47 B.M. Picard S.E. cor. of Hyd.
 Put in firm one at Simpson
 2 stakes

B.M. 75.47
 10.98
 H.T. 76.54 72.33 71.86
 4.21 4.68

East 1/2 of #6 + 7 = 35' Laid
 (No date) Chk. O.K.
 Evans Barber
 9/4/08

POSTED

Schley (27th) St.



Crosby

Curb Grades
For Lots 18 & 19
Blk 226

Land & Town Add.
D. P. Bennett owner
A. Chamberlain contr.

Permit 3263.

57.88
6.81
64.69
4.95
59.74
4.92
64.66

Bm NW ally bet Kenny & Julian
60.12 59.37 (blat)
4.54 5.27 (blat)
2 Stakes .07 (blat)

67.88
8.55
66.93
39.38
7.05

checked at $\frac{2}{27}$ Hatch
 $\frac{27}{08}$ Williams

53.00	1
53.75	2
	3
54.50	4
	5
55.25	6
	7
56.0	8
	9
56.75	10
	11
57.50	12 226
	13
58.25	14
	15
59.00	16
59.75	17
59.75	18 478
60.25	19
60.50	20
	21
61.25	22
	23
62.00	24

Ave.

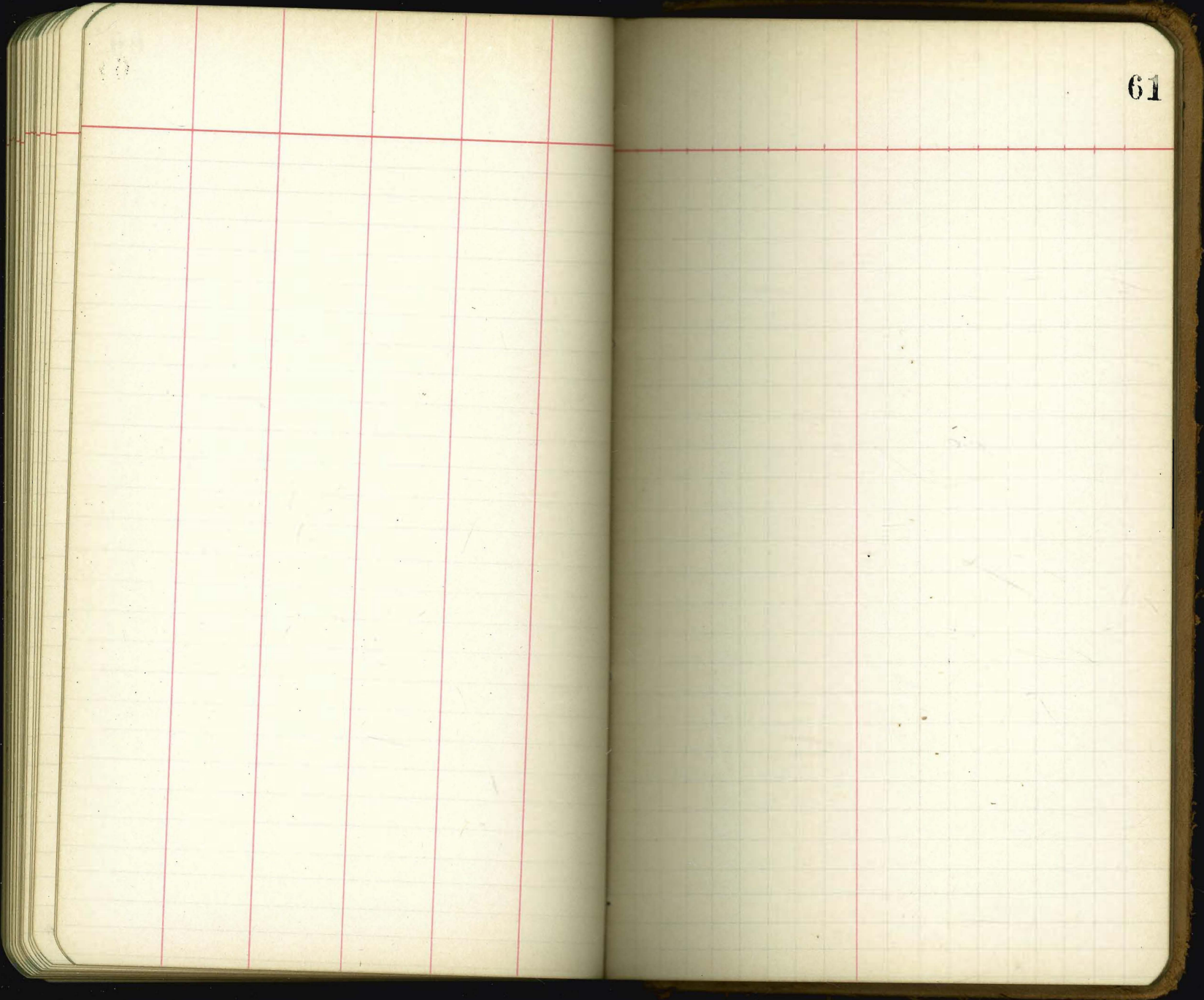
Irving

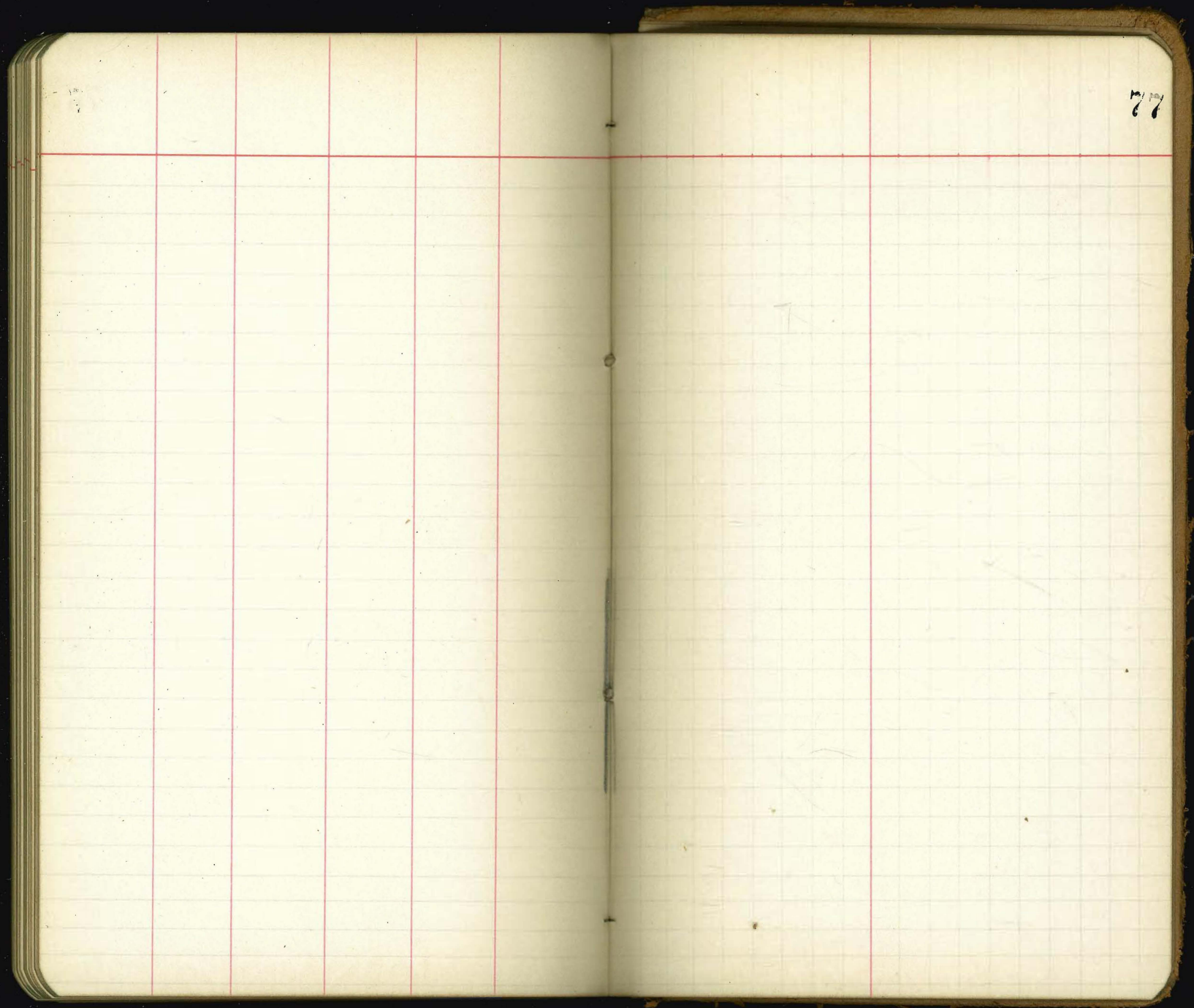
Dewey

St.

55

56





22

53
38
300 11.54105

.05
20
1.00
2.00
4.00
2.50

82.00
73.3
48.7
21.75

43.00
73.30
21.75
75.475
27.65
21.75
79.825
82.00

82.0
72.6
49.4
2.35
72.60
2.35
74.95
2.35
77.30
2.35
79.65
82.00

82.0
72.6
49.4
2.35
72.60
2.35
74.95
2.35
77.30
2.35
79.65
82.00

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DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

FOR SINGLE TRACK EMBANKMENT.

ROADWAY 14 FEET WIDE. SIDE SLOPES $1\frac{1}{2}$ 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.

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