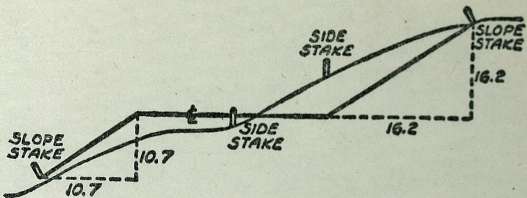


G-3416



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
SLOPE 1 TO 1. ROADWAY OF ANY WIDTH

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

MICROFILMED

APR 16 1965

DIRECTIONS FOR USE OF TABLES

TABLE No. XIV

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 1/2 to 1. If ground is nearly level, the cut or fill at side

left column and top row. The number in body from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake lower target by this amount to cut or fill and find distance in table. Set up rod at this point and line of sight should cut target. If it does not mark the angle, adjustment necessary.

IMPROVED TABLES
AND
INFORMATION

TABLE No. VII

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of corrections. Degree of curve with a given L may be found by dividing tangent (or external) opposite L by given tangent (or external).

The distance from a point on the tangent to the curve is very nearly the square of the tangent length divided by twice the radius.

Mildred & Azusa - Grade 2
Alley BIK 3 - O.B. 3
Longbranch Sewer 5
La Jolla Shores Dr. - Drain }
North of Camino De La Colina } 6
Alley BIK 20 - O.B. Park }
" 99 - Ocean Bay Beach } 8-9
" " 4 - Ocean View }
" " 7 - Sunset Grove - 10-14 }
" " 12 Normal Hqts 17-
La Jolla Shores Dr. ^{south of} Camino De La Colina 20

Mildred & Azusa Str.

Grade stakes

10-27-54
W.O. 10006

Azusa - From Mildred Sly. To Alley

Mildred - From Azusa To 128' Ely.

stakes set 5' outside of Prop. line

0+00 = S. Ely Cor. Azusa + Mildred.

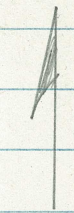
Ties From F.B. 2149 + FB 2160

Green Profile # 3688

B.M. = R.R. spike 2+99.81 FB 2160
PTL

EL = 49.31

	1.98	5.20	Mildred	
	51.80	52.35	2.96	1.50
	C 0.18	C 2.85	52.55	52.80
			C 0.41	F 1.30
	3.60	• 40'	• 40'	• 48'
	51.80			
	1.80			
		0+00		
		Bath ways		
		0+40		
		0+80		
		0+12		
	9.73			
	49.13			
	C 0.60			
		0+84		
	7.02			
	46.06			
	C 0.96			
		1+25		
	4.25			
	43.06			
	C 1.19			
AZUSA				



Alley BIK. 3 Ocean Beach

25127

Guizot to Froude
between Saratoga + Santa Monica

C.H.S.

Begg Sheet 2A84-D 10-27-54
Patten N.O. 32397

2+76		D-0.10	8.89 118.40 C 0.49	9.01 118.50 C 0.51	n-2'
2+32		N-0.65	3.53 121.90 C 1.63	2.54 121.97 C 0.57	D-1'
1+88		D-2'	5.60 125.40 C 0.20	5.29 125.44 F 0.15	D 2'
1+44		N. 0.17 in	9.81 128.90 C 0.91	9.57 128.92 C 0.65	N -0.45
1+00	Brk	D 2'	3.78 132.40 C 1.38	3.80 132.40 C 1.40	N-0.18
0+50		D-2'	7.55 137.49 C 0.06	7.59 137.47 C 0.12	D 2'
0+00	= wly line Guizot		142.59 X	142.54 X	

98.75
140.95

5+49 - RT. = (S) #1

7.10
91.70
C 5.40

6+00 = Ely lime - Froude

3.76
93.78 ✓

3.47
93.48 ✓

5+70

0-2' 7.50
95.59
C 1.91

5.56
95.59 0-2'
Fo.03

5+40

Brk.

0-3' 101.23
97.40
C-3.83

7.60
97.70 0-2'
Fo.10

A+96

0-2' 2.43
100.90
C-1.53

1.94
101.17 X-2'
C-0.77

A+52

N-2.23 7.45
104.40
C 3.05

5.56
104.64 X-2'
C 0.92

A+08

N-2.28 10.24
107.90
C 2.34

8.83
108.11 X-2'
C 0.72

3+64

N-2.22 2.56
111.40
C 1.16

3.46
111.58 X-1/10
C 1.88

3+20

0-2' 5.05
114.90
C 0.15

6.22
115.05 0-2'
C 1.17

Longbranch west of Abbott

Sewer

11/30/54

stakes 6' RT of #

RT. = Lat # 2
A+67⁵ Lt. = Lat # 3

#3

3.77
- 1.80
C. 4.57

#2

2.64
- 2.15
C. 4.79

25' South of M.H.
stub end

stub. to South

- 0.99
0+06 EL. = -2.93
C. 3.92

1.00
0+25 EL. = -2.80
C. 3.80

25' North of M.H.
stub end

Stub to North

1.56
0+06 EL. = -2.93
C. 4.49

0.91
0+25 EL. = -2.80
C. 3.71

Stake 6' RT of 90⁵
0+96⁵ = M.H. - 2.98

1.56
- 3.02
C. 4.58

0+48.25

2.91
- 3.22
C. 6.13

3.06
2.98
4.8

0+00

- ~~3.00~~ ^{2.54} - 3.46 - Actual Elev.
C. 6.00

396' west of

Abbott.

= Existing M.H.

12-8-54
wo-21166

6

Storm Drain East from
La Jolla Shores Drive

North of Camino De La Colina

stakes - 10' Lt of ϕ to I.E.

Radius points set.

Sheet 2261-D.

F.B. 2244 1-22

A+53.18 = E.C.

$\Delta = 30^\circ$ - R = 21.5

A+41.92 B.C.L.

24

A+17.92

24

3+93.92 = E.C.

$\Delta = 50$ R = 21.5

3+75.18 = B.C. ^{RT} = end existing pipe

3+40.31 = $\frac{1}{2}$ O-27 FB 2244-P22

43.20

34.90

C 8.30

42.69

34.26

C 8.43

~~32.91~~

42.87

31.56

C 11.31

30.00

30.46

F 0.46

~~IE~~
IE
Lyon

= Head wall

5+96.99 B.C. = end of Job.

5+49.06

5+01.12

8.75
43.08
C 5.67

6.80
40.36
C. 6.44

46.02
37.63
C 8.39

Alley Bk 20 - O.B. Park

" " 99 - Ocean Bay Beach

Cable to Bacon between Voltairs

W. Pt. Loma Blvd. 12-20-54

W.O. 32192

Sheet # 11464-L

FB 2306-P-1

1+80 = Brk

a-v' 5.23
15.45
F 0.22

5.50
15.45 x-2'
C 0.05

1+30

x-v' 6.21
16.30
F 0.09

6.30
16.30 N-2
x

0+80 - Brk

a-v' 7.15
17.15
x

7.34
17.15 N-2'
C 0.19

0+60 Brk

x-4' 7.97
17.51
C 0.46

7.73
17.51 N-2'
C 0.22

0+40 Brk

a-i' 8.13
17.71
C 0.42

8.36
17.71 X-0.60
C 0.65

0+20 Brk

a-i' 8.28
17.78
C 0.50

8.21
17.78 N-2'
C 0.43

0+00 = N. wly line Cable

v
17.70

17.70

5+97E = S. Ely. line Bacon

9.28 ✓

9.06 ✓

5+77E

10.26
9.56
C 0.70

10.09
9.56 X-0.10
C 0.52

5+30

10.74
10.26
C 0.48

10.38
10.26
C 0.12

A+90 Lt. = (S) #1

11.08
5.78

A+80

C-5.30

1.15
11.00
C 0.15

1.33
11.00 X-3'
C 0.33

A+30

1.60
D 0.70 11.74
F 0.14

1.57 X-3'
11.74
F 0.17

3+80

3.09
N-0.194 12.48
C-0.61

3.00
12.48 N-0.25
C 0.52

3+30

3.17
13.22
F 0.05

3.47
13.22 D-2'
C 0.25

2+80

4.08
13.96
C 0.12

3.96
13.96 D-1'
X

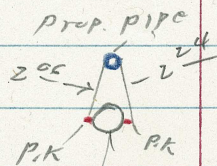
2+55 Lt. = (S) #2

24.20
19.32
C 4.88

2+30

4.41
14.70
F 0.29

4.57
14.70 D-3'
F 0.13



P. Pole
JPA 4950

Alley Bk. 2 Sunset Grove.
also " Bk 4 Ocean View

12-20-54
W.D. # 32142
F.B. 1870-P55

Sheet # 11A 6A L

Nly. + Sly. Alley.
(Top of 'T')

10

1+1A ^E = S.Wly line + Fly + Wly. Pass	"	29.71 129.39 C 0.32	30.96 N-1" W. 129.61 + 2" So. C 1.35
1+00 ^E = N.E. line + E. + Wly. Pass	"	8.37 127.95 C 0.42	8.76 " 2" 128.20 Both C 0.50 ways
0+67 ^E	"	3.74 124.18 C 0.44	5.71 124.42 " C 1.29
0+35	"	0.90 120.40 C 0.50	2.65 " 120.65 " C 2.00
0+25	"	9.49 118.90 C 0.59	2.51 " 119.13 " C 3.38
0+15	"	7.59 116.74 C 0.85	20.00 116.99 C 3.01
0+00 = S.Wly. line Muir		112.76	113.24

Nly & Sly. Alley
(top of "T")

11

2+15 = N. Ely. line Long Branch.

140.93

141.20

2+05

□ 40.35
140.15
C 0.20

0.46 x-2
140.40
C 0.06

1+80

□ 8.92
135.65
C 3.27

38.77
135.90
C 2.87

1+47⁵

2.30
132.52
F 0.22

5.66 N
132.75 -0.82
C 2.91

Alley Bk. 4 - Ocean View

" Bk. 2 Sunset Grove

12

Ely + Wly Alley

2+00 Bk.	N-3'	3.50 112.25 C 1.25	6.13 112.50 C 3.63	X line
1+80 Bk	X-3'	10.42 109.72 C 0.70	110.04 (set 0.32 above E. side)	
1+60 Bk.	N-3.58	7.53 107.12 C 0.41	8.46 107.37 C 1.09	"
1+25	X-3.90	3.45 102.24 C 1.21	2.67 102.49 C 0.18	"
0+90	"	7.18 97.37 C 0.19	8.80 97.62 C 1.18	"
0+55	"	2.52 92.49 C 0.03	3.92 92.74 C 1.18	
0+20 Bk	"	9.38 87.62 C 1.76	90.99 87.87 C 3.12	D-3
0+00 = N. Ely line Quizot.		8.468	85.17	

4+70		6.55 136.97 F 0.42	40.05 137.22 C 2.83
4+50		N. line 7.92 136.74 C 1.18	40.65 136.99 C 3.66
4+30		5.95 136.14 F 0.19	19.51 136.39 C 3.12
4+10		3.08 135.14 F 0.06	6.92 135.39 C 1.43
3+90		3.12 133.76 F 0.64	6.25 N. 134.01 -0.82 C 2.24
3+70		N. -0.10 3.35 132.00 C 1.35	4.85 N. 132.25 -0.88 C 2.60
3+50 - P.V.C.		N-0.20 31.40 129.84 C 1.56	2.17 N 130.09 1.34 C 2.08
3+00		N-0.53 5.74 123.97 C 1.77	6.17 N 124.22 0.57 C 1.95
2+50		N-0.86 20.55 118.11 C 2.44	20.59 N. 118.36 0.50 C 2.23

1+30 Rt. = (S) #1

$$\begin{array}{r} 102.95 \\ 98.16 \\ \hline C 4.79 \end{array}$$
6+15st = S. w. line of Alley

128.20

129.61

5+80

$$\begin{array}{r} 1.95 \\ 131.73 \\ C 0.22 \end{array}$$

$$\begin{array}{r} 4.19 \\ 131.98 \\ C 2.21 \end{array} \quad N. 150$$

5+50 E.V.C.

$$\begin{array}{r} 2.99 \\ 134.00 \\ F 1.01 \end{array}$$

$$\begin{array}{r} 5.91 \\ 134.25 \\ C 1.66 \end{array} \quad D-1$$

5+30

$$\begin{array}{r} X-V \\ 5.02 \\ 135.33 \\ F 0.31 \end{array}$$

$$\begin{array}{r} 6.77 \\ 135.98 \\ C 0.79 \end{array} \quad X-2$$

5+10

$$\begin{array}{r} 5.77 \\ 136.25 \\ F 0.46 \end{array}$$

$$\begin{array}{r} 8.53 \\ 136.51 \\ C 2.02 \end{array}$$

4+90

$$\begin{array}{r} C 31 \\ 136.80 \\ F 0.49 \end{array}$$

$$\begin{array}{r} 9.59 \\ 137.05 \\ C 2.54 \end{array}$$

Sewer Extention

Moana Drive at

Loma Land Drive

0+00 = plug end Moana Dr. 60't

Nly of Loma Land Dr. (Sheet. 11124-L)

0+90 = End (on Loma Land Dr.)

97.30
290.63
C-6.67

0+67E

96.89
289.89
C 7.00

0+45

96.18
289.15
C 7.03

0+22E

94.84
288.41
C-6.43

0+00 = Existing pipe (11125-L)

93.34
287.67
C-5.67

Gutter Grades wly. side
Fairmount across Dwight

1-25-54

No plans.

Nails - 4' East of ob. line

0+94⁵ Meet existing Pavc.

C-0.31

0+85

C-0.55

0+75

C-0.71

0+60

C-0.78

0+43³

C-0.84

0+30

C-0.81

0+15

C-0.85

0+00

Meet. Existing Pavc.
= 5' North of Nly. line

C-0.60

Dwight.

Restake Alley BIK 12 3/25/55
Normal Hqts.

17

orig staking in G.B. 318 P 70-76

Ely. & Wly Alley

0+00 = Existing Pave in Nly. & Sly Alley

1+41.21	Brk	N 0.03'	7.85 396.12 C 1.73	5.94 396.12 F 0.22 F 0.18	0 0.9
1+31.21	Brk	N 0.05 in	7.86 396.18 C 1.68	6.00 396.18 F 0.12	0 1'
1+21.21	Brk	N 0.13 in	7.85 396.15 C 1.70	6.12 396.15 F 0.03	0 1'
0+90.9		N. 0.05 in	7.43 395.93 C 1.50	6.30 395.93 C 0.37	N. 75
0+60.6		N. 0.85	6.85 395.70 C 1.15	5.32 395.70 F 0.88	0 0.5
0+30.3	4 x 30.3 0.775%	N. 1.25	6.70 395.47 C 1.23	6.18 395.47 C 0.71	N 1'
0+00			395.25 Meot	395.25 Meot	

Elev. = 393.81

X

- 103' Prop. E. R.P.
= Cross in wly. cl.

3+21' = alloy el. P.I. on Rt.

393.81

393.88

Meat,

3+07' alloy el. P.I. on Lt.

393.87

Meat

393.81

2+87.11 = Brk. Line Mt. View on Right

X-2'

4.70
394.115.11
394.11

0.2'

C 0.59

C 1.00

2+75.00 Brk. = Line of Mountain View on left.

N 0.62

6.31
394.285.34
394.28

0.2'

C 2.03

C 1.06

2+41.56

N 1.95

7.04
394.744.90
394.74

0.01'

C 2.30

C 0.16

2+08.11

D 1.5

6.29
395.206.15
395.20

0.15

C 1.09

C 0.95

1+74.66

N 0.08 in

7.80
395.666.20
395.66

0.12

C 2.14

C 0.54

9 x 33.45 = 0.09
1.4%

N. + S. Alley BIK 12 Normal Hgts 3/25/55

Restako.

See G.B 318

2+25 = Existing Pavc.

70

395.20^v

5.21^v
395.20

2+00

plan grade

5.61
395.12
C 0.49

5.90
395.12
C 0.78

1+75

5.75
395.03
C 0.72

5.73
395.03
C 0.70

1+50

5.69
394.95
C 0.74

5.79
394.95
C 0.84

1+25.81 = Δ (on split) $\Delta 35^{\circ}-51'$ $\frac{1}{2}\Delta = 17-55-30'$
9.72 off $\pm = 2^{\circ}$ R.P.

6.04
394.87
C 1.17

5.94
394.87
C 1.07

0+94.35

6.23
394.48
C 1.75

6.35
394.48
C 1.87

0+62.9

0.15

5.91
394.09
C 1.82

6.55
394.09
C 2.46

0+31.45

1.24%

6.27
393.70
C 2.57

5.90
393.70
C 2.20

0+00

Ely. Ch. Coplay.

4.40
393.31
C 1.09

4.66
393.31
C 1.35

0-12

393.16

393.14

La Jolla Shores Dr.
stake for grade check.

B.M. = U.S.G.S. Disc.
S.W. La.J. Shores Dr. + Camino Del Collado
E.L. = 42.99

Sta 41+75+ shoot #12108-L.
To 48+00 " #12109-L.

4-1-55
NO. 32391

44+00	2.35	3.74
	42.44	43.19
	F0.09	C0.55

43+75	1.84	3.35
	41.95	43.08
	F0.11	C0.27

43+50.00	1.16	
	41.36	
	F0.20	

43+26.9 (slightly Calle Corta)	0.47	1.90
	40.75	41.65
	F0.28	C0.25

43+00	7.60	1.19
	39.94	40.39
	F0.34	C0.80

42+37.5	7.55	8.84
	37.94	38.66
	F0.39	C0.18

41+75	5.10	6.35
	35.93	36.93
	F0.83	F0.58

46+46.95	ob. E.C. Collado	2.86 42.69 C0.17	3.62 43.44 C0.18
45+56.95	ob. B.C Camino del Callado	3.57 43.49 C0.08	4.28 44.24 C0.04
45+50		3.52 43.52 C0.03	4.40 44.29 C0.11
45+25		3.44 43.57 F0.13	4.50 44.34 C0.16
45+00		3.22 43.52 F0.30	4.48 44.29 C0.19
44+75		3.03 43.38 F0.35	4.45 44.16 C0.29
44+50		2.91 43.16 F0.25	4.29 43.94 C0.35
44+25		2.90 42.85 F0.15	3.95 43.64 C0.31

A 9400

0.
40.02

40.77

A 8450

40.55

41.30

A 8400

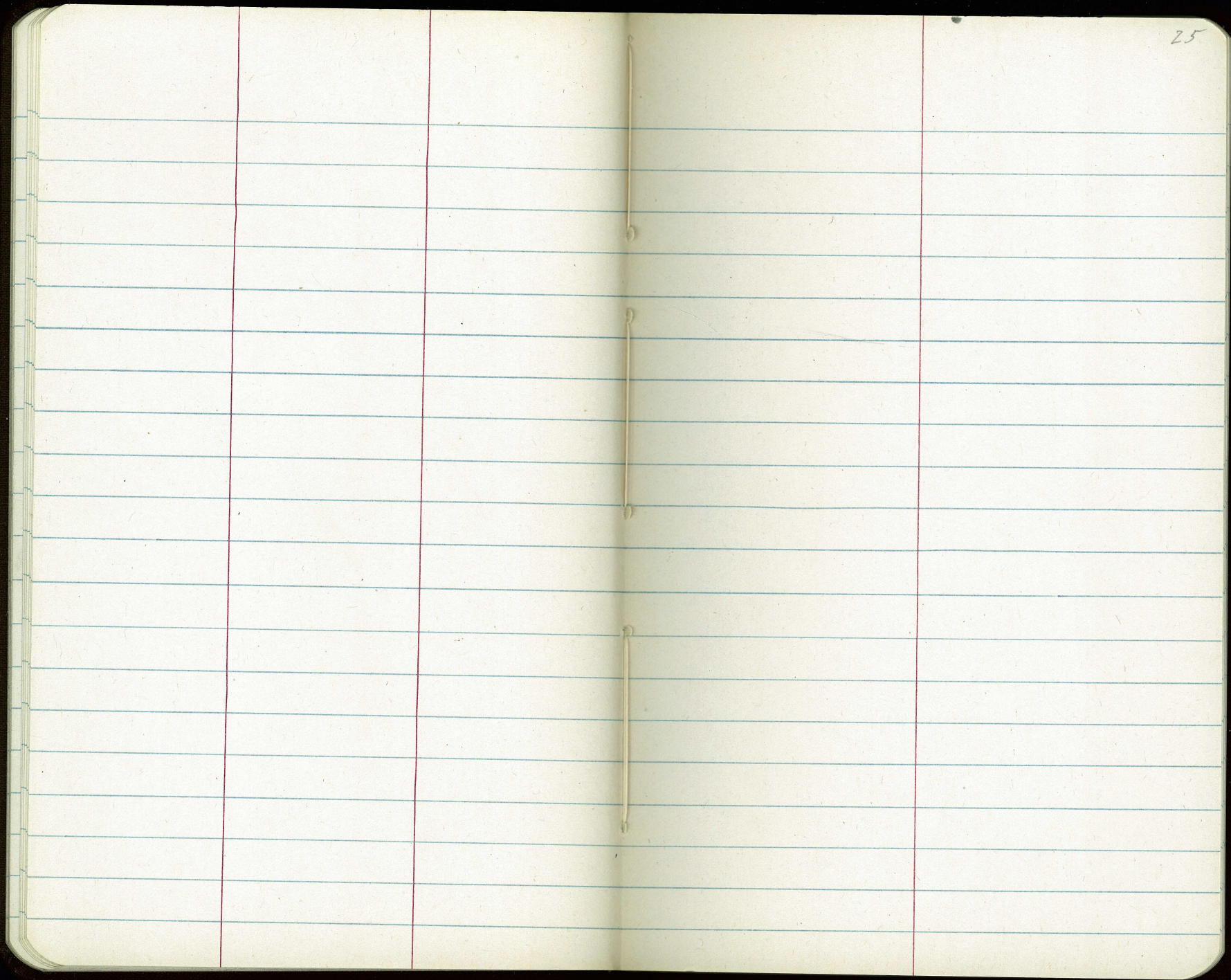
0.40
41.08
FO.681.71
41.83
FO.12

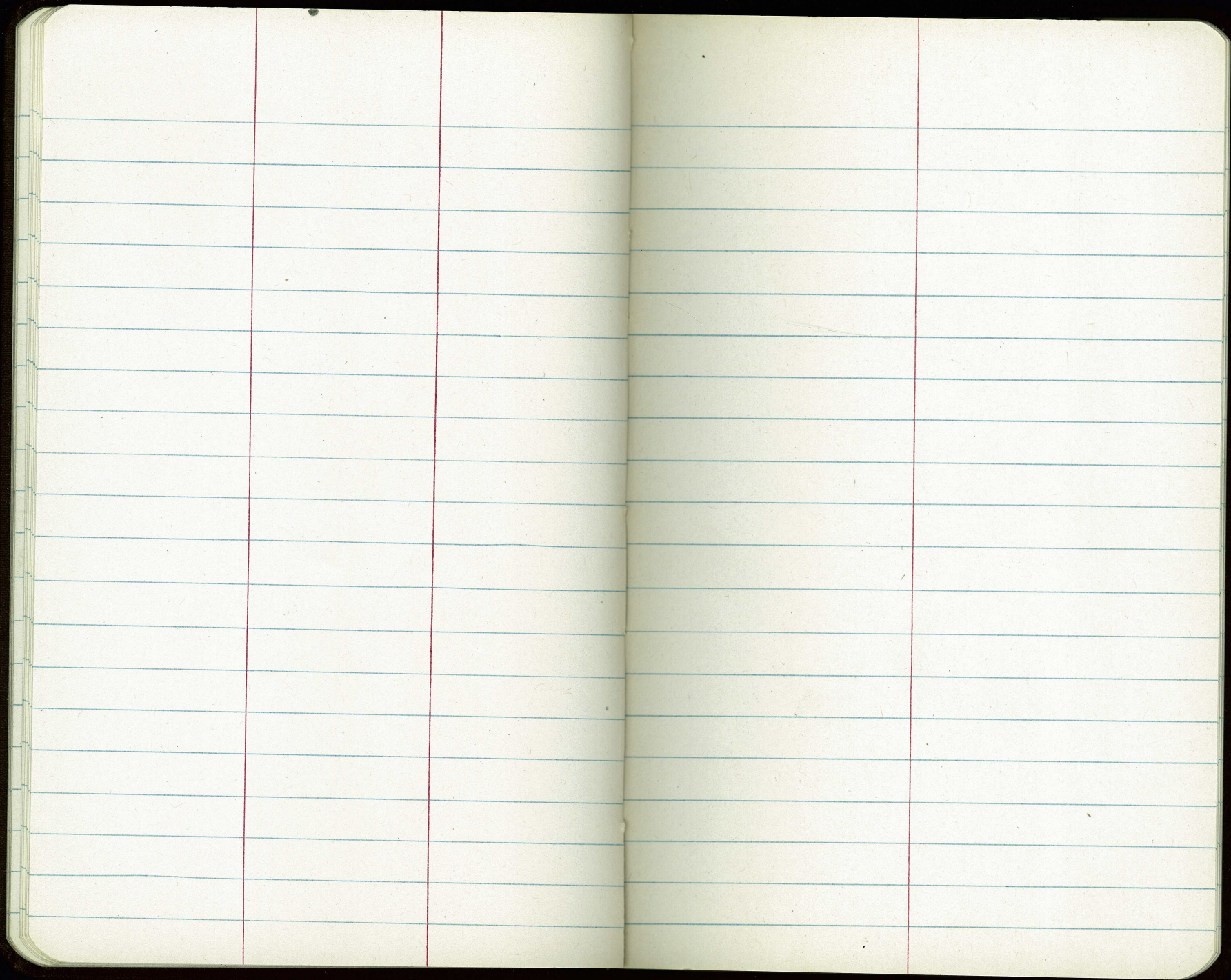
A 7450

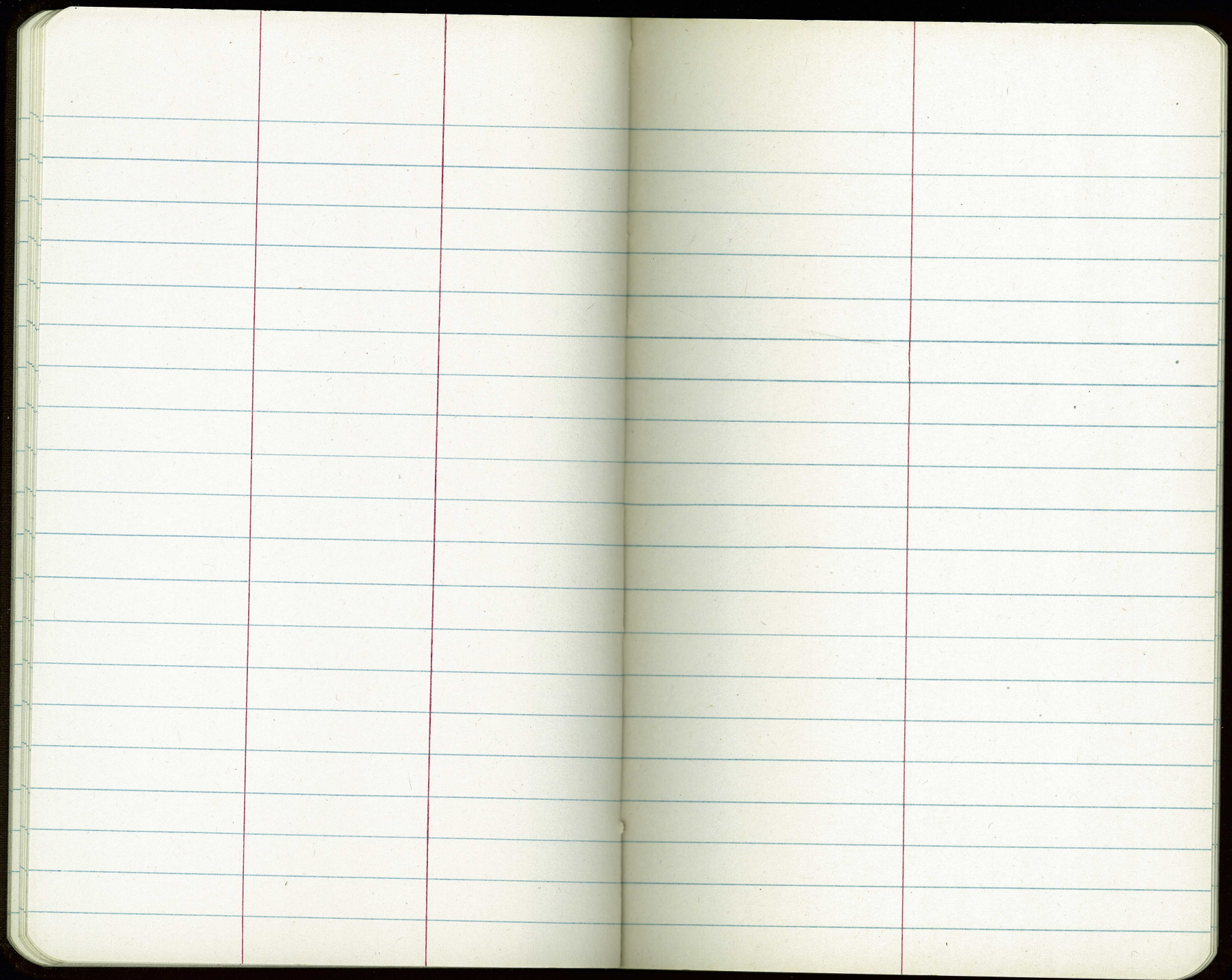
0.90
41.61
FO.652.36
42.36
X

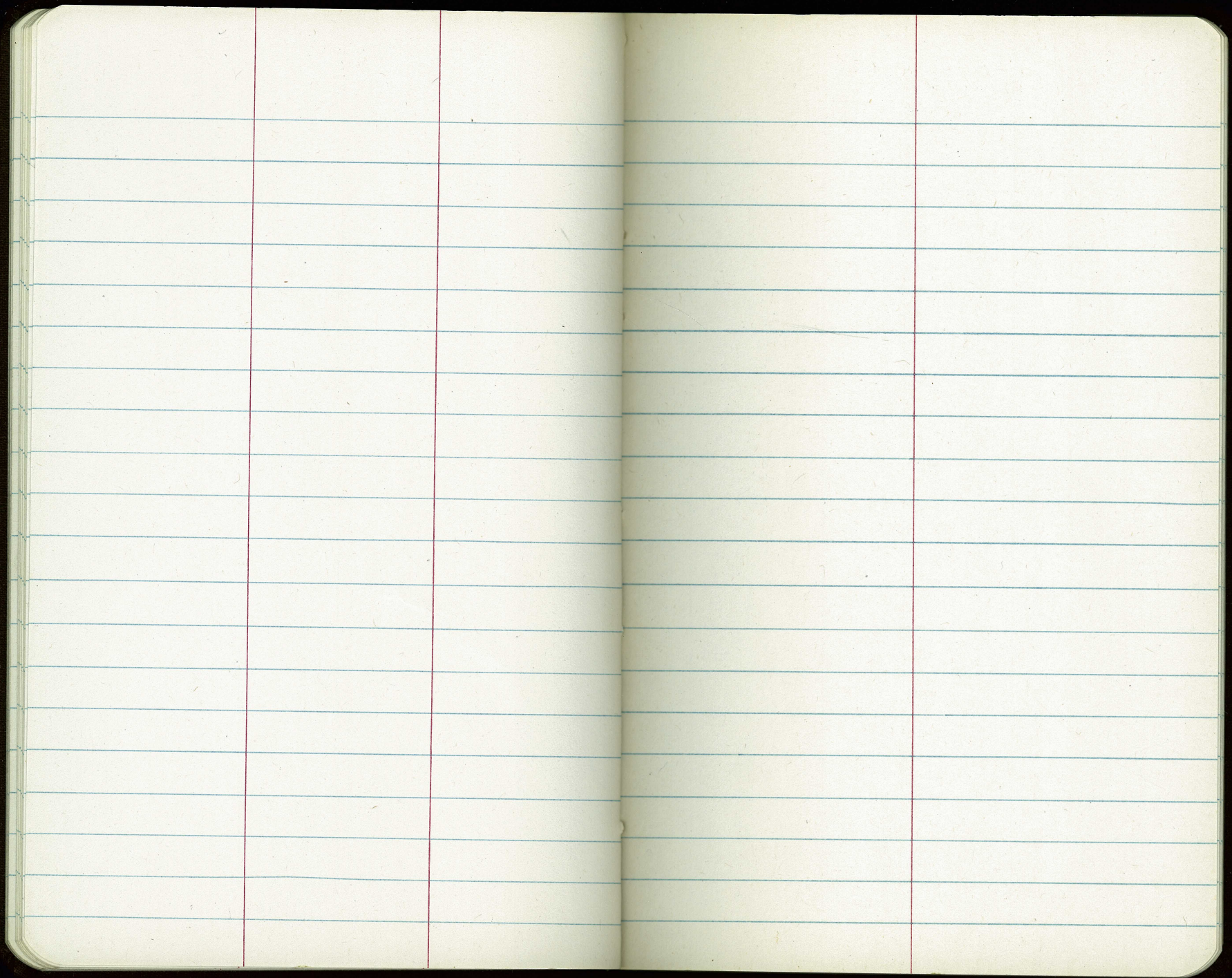
A 7400

2.20
42.14
CO.063.05
42.89
CO.16









651

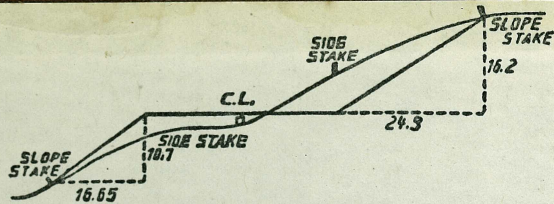
140.85

112.45

35.25

27.06

18.24



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

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