

1778



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Book, Right Hand Page 8 ver-
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THE FREDERICK POST CO.

ENGINEERING and DRAFTING SUPPLIES

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CHICAGO

Survey Pl. 1360 + 1361
Paseo Dorado

1
39

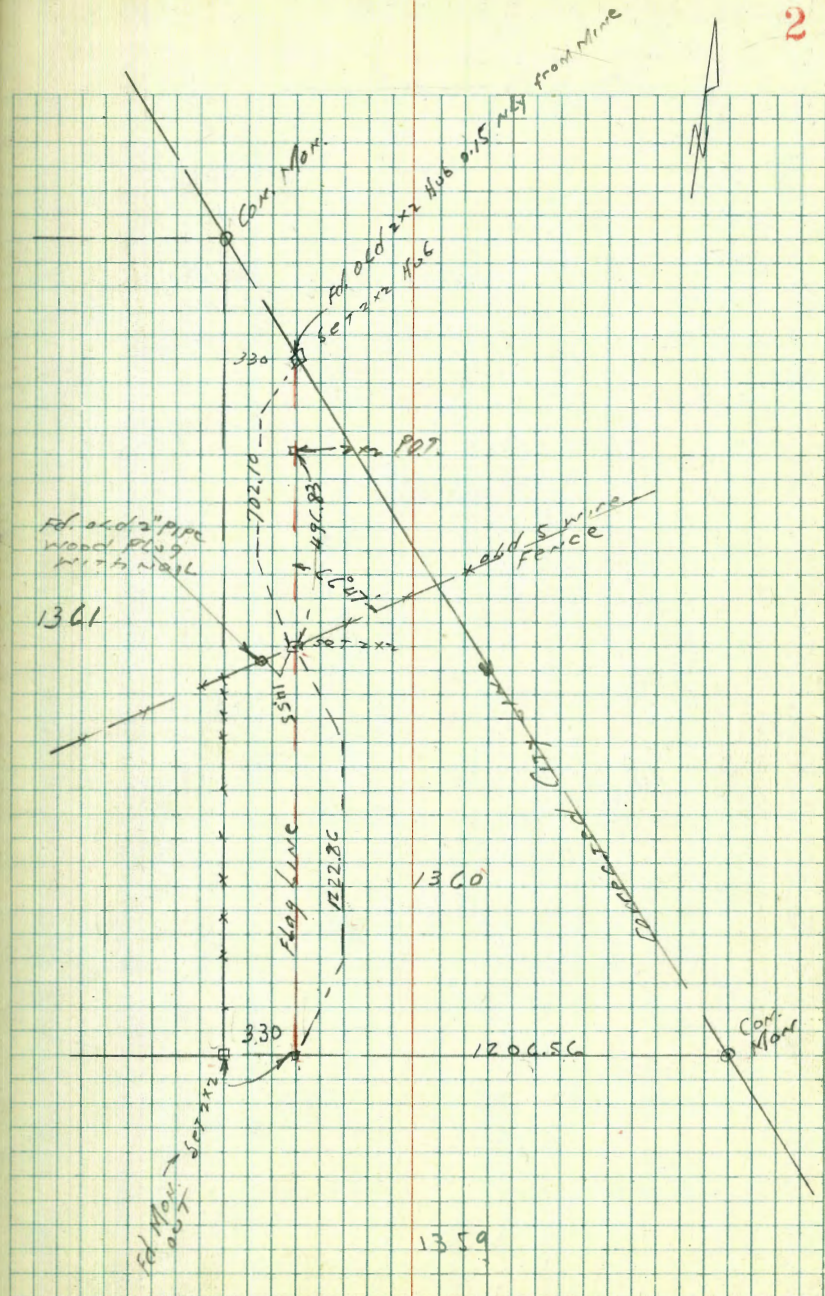
Slope dis. Sly 1360

300	0°0'	300	
240	2°28'	229.76	
300	0°10'	300	
200.97	0°0'	200.97	
100	7°00'	99.25	
67	00	67	old
		1287.00	to Hub

8030	2°15'	80.24	
255.5	12°30'	249.54	
		1536.78	to 2" Pipe
		1536.56	
		-0.22	

Flagged Line
Slope ch.

108.97	0°00'	108.97	
119.0	11°10'	116.75	
300	10°55'	294.57	
300	0°0'	300	
		820.29	= Chain rail
186.53	0°00'	186.53	
		1006.82	= P.O.F. nail
216.08	0°00'	216.08	
		1222.86	= 2x2 or line fence
300	2°00'	299.82	
197.59	4°24'	197.01	1222.86
		496.83	702.10
198.15	0°00'	198.15	1924.96
		7.12	
		702.10	



Paseo Dorado

1+08.02 - Cont. - Bay. Conc. - Edge Walk on Rt.

1+08.02
TP on PK Nail

547

674 610
375 30
600 Drive
Flow

1+04.5 - End Rolled Cb on Rt.

0+96 - End Rolled curb on Lt.

0+81

52 52
50 35

0+54

0+27

0+00 sketch D-3

52
50

767

4

485 491 60 63
241 291 37 50
Edge Walk Edge Walk

565	503	505	506	547	571	555	573	575
48	186	140	10	8	15	15	136	
Drive	Edge	Edge			Gut	56.6	Edge Conc	56.6
Way	Job	Conc. slab					Conc. slab	
*Top Conc Drive								

567 563 597
13.7 14.9 15.8
Lip Gut Top Cb

575 535 535 562
17 16.2 13.5
Cb Gut Edge Conc.

572	583	582	551	565	555	545	576	58 63
78.2	27.1	23.8	12.3		13.7	14.9	15.7	25 50
Cb	Gut.	Conc.	Cur.		Lip.	Gut.	Cb	
		Edge	Gut.					

585.73	569	549	576	585	550	580	63 65
50 25	20.6	12.4		13.4	14.7	15.4	25 50
	Conc.	Gut.		Lip.	Gut.	Top Cb	
		Conc.					

52.53	579	546	548	576	520	527	563 64 60
50 27	18.8	18	12.2		13.3	14.5	25 50
	Top Rolled	Gut.	Conc.		Lip	Gut	Top Rolled
	Cb						Cb

542.63	566	536	544	568	541	534	565 60 60
46.35 25	15.8	15	13.0		13.7	14.9	25 50
	Top Rolled	Gut.	Lip.		Lip	Gut.	Top Rolled
	Cb						Cb

Direct Alex Red used

B.M. NE. BP.
CALLE LA PLATA AND PASEO DORADO

Paseo Dorado

1+75.5

62 63 59
51L 36 30
29
Walk

1+50

62 61 51
41L 38 30
29
Walk

1+38.6 = End Conc. Slab inlet

430
18
Gut.
inlet

1+33.7 = Beg. Conc. Walk

65 62 55
42L 37 30
29.2
Walk

1+20.5 = 2.5' dia Pole Pol 177 21.6 Rt.

1+76 " " " " 21.8 Lt.

1+65.5 " " " " 21.8 Rt.

1+51 " " " " 21.1 Lt.

1+41 " " " " 21.5 Rt.

1+26 " " " " 21.5 Rt. ← 1+?

1+13.5 = 2.5' dia Data Pole 21.8 Rt.

1+18.8 = Edge Conc. Drive

1+06 2' Pole 21.8 Rt.

1+03.2 = Beg. Conc. Drive

Lt.

Rt.

67 73 Rt. 76
30 34 40

5

588 584 510 542 590 593 578 631 626 642
24 178 178 10 10 179 179 242 292
Walk cb. Gut. Gut. cb. Walk Walk

529 510 456 482 550 543 501 570 571 583
24 178 178 10 10 18 18 242 292
Walk cb. Gut. Gut. cb. Walk Walk

61 62 71
30 34 40
house

476 526 529 455 473 540 536 492 578 530 540 473
18 18 147 146 10 8 10 15 18 18 18
cb. slab Top Gut. Gut. Top slab 4' slab Gut. inlet

518 515 465 478 535 540 504 574 534 550
18 153 145 10 8 10 18.8 242 292
Slab slab Gut. Gut. Conc. Walk Walk
of Conc. Slab Edge

58 64 71
30 34 40
house

610 5.17
31 18.6
Conc. Drive Top Drive

101 5.58
30 18.6
Conc. Edge Conc.
- Drive Drive

chk. starting BNA

0.01
7.67-8.11
7.66

Z+54.84 = E. line Calle La Plata

7.37	6.80	7.14	7.66	7.65	7.48	7.85	8.31
2.19	2.14	10		10	18	28	29
cb.	cut					cut	cb.
						at cb	Ret.

Z+44.62 = E. cb " " "

6.71	6.78	6.44	6.43	6.98	7.42	7.42	7.25	7.44	7.57	8.14
4.38	40.8	30.5	31	70		10	12.7	30.5	51	51
cb	cut							cut	cut	cb.
									at Ret.	

Z+29.3 = Calle La Plata

6.18 5.93
50 30

5.88	6.11	6.21	6.26	7.06	7.10	6.90	6.88	7.18	7.73
25	21	18.8	15		10	2.36	2.84	3.05	50
	North	South						in hole	
	Ret	Ret							

Z+13.26

5.89	5.65	6.75	6.83	6.69	6.85
30.5	18		10	2.2	30.3

Z+0.374 = section on W. Calle La Plata

6.3	6.2	5.96	5.57	5.50	5.98	6.52	6.58	6.52	7.01	7.21	7.2
10	14	29	28	18	10		10	21	21	30	40
		cb	cut					cut	at cb		
			at cb	Ret.				at Ret.			

149.55

65 60 630
50 36 30

5.86	5.99	5.96	5.86	6.32	6.33	6.21	6.82	6.86	6.90
2.2	2.2	18	10		10	18	15	2.2	2.2
cb.	cut					cut	cb.	W. of	W. of
Ret.	at Ret.						to West.		

Levels Proposed Drain
Sketch P-3

Water
Tape
Station
Morales
3-31-53

0+65 = Beg. H.C. DINE

0+56 = 2 24" Fan Palm 10.5' H

0+53 = 2 24" Fan Palm 10' H

0+23

0+10

0+07 ^{End} opp Existing 9" Drains = 3 Pipes

0+00

0-100'

0-125' = ^{Edge} Water Leagues

547

Lt.

d.

Rt.

7

3.10
Per 173.

2.0

2.8

-0.93
0.5
= center Pipe

-1.09
on Hub.

-2.3

-3.7

B.M. Pt. 1148.02 Page 4

Levels Proposed Drain

Lt.

L

Rt.

8

2+36.36 = Δ Lt. 38°41'

2+00
T.P. & P.K. Nail

523

1+81 = Intersection ^{with} Paving

1+62.5 = Edge H.C. Walk

1+58 = Beg. H.C. Walk

1+51 = 3/4" Hydr.

1+35

1+15 = 3' Date Palm 83 Lt.

0+85

561
172
R.A. to Back
Turn = Edge Pav.

574

568
174
Corner Pav.

502

208

Edge
Pav.

523

517

176

Edge Pav.

460

28

Edge
Pav.

485

6.7

Edge Pav.

504

492

20

Edge Pav.

460

15

Edge
Pav.

474

494

4

Edge Pav.

472

402

223

Edge
Pav.

42

464

159

Edge
Pav.

3.7

3.29

Pav.

Levels Proposed Drain

Lt.

⊥

174

9

chk. BM PK Nail P-7 5.47^v

3+19.96 = Beg. inlet

4.30
5
11/16"
Gut.

5.28

3+02

5.23

2+9.7

5.06

2+77 = Beg. Conc. Slab over Exst. Drain

5.23

2+75 = 1/2" Top Rolled cb.

5.78

2+73

5.45
Gut.
Conc.

2+53 opp end Rolled cb

6.12
9
cb.

5.75
9
Gut.

5.78

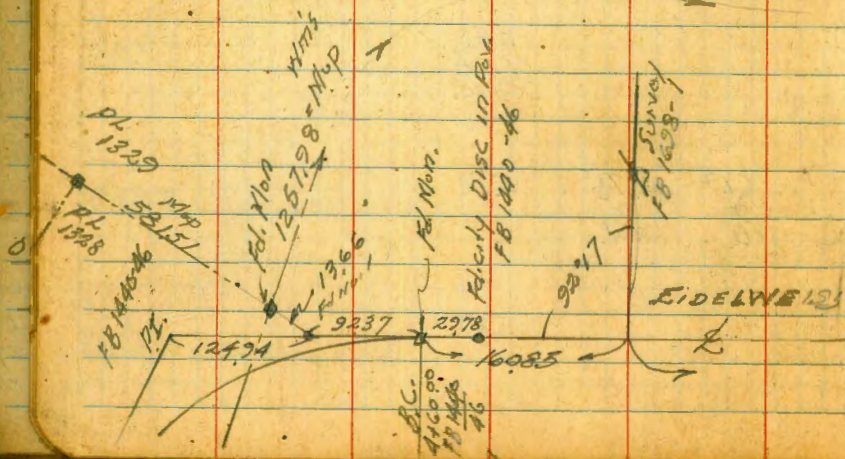
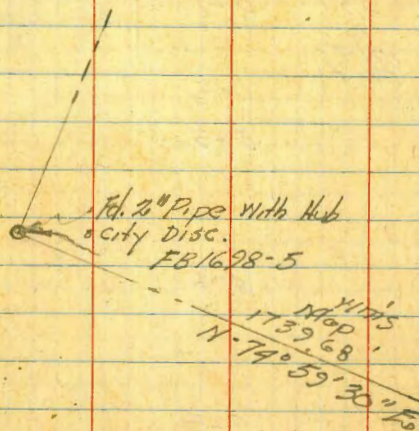
2+48 = 1/2" Conc. Slab

5.83

SORRENTO VALLEY
 LOS PINASQUITOS CANYON
 SURVEY OF BRIDGE WITH

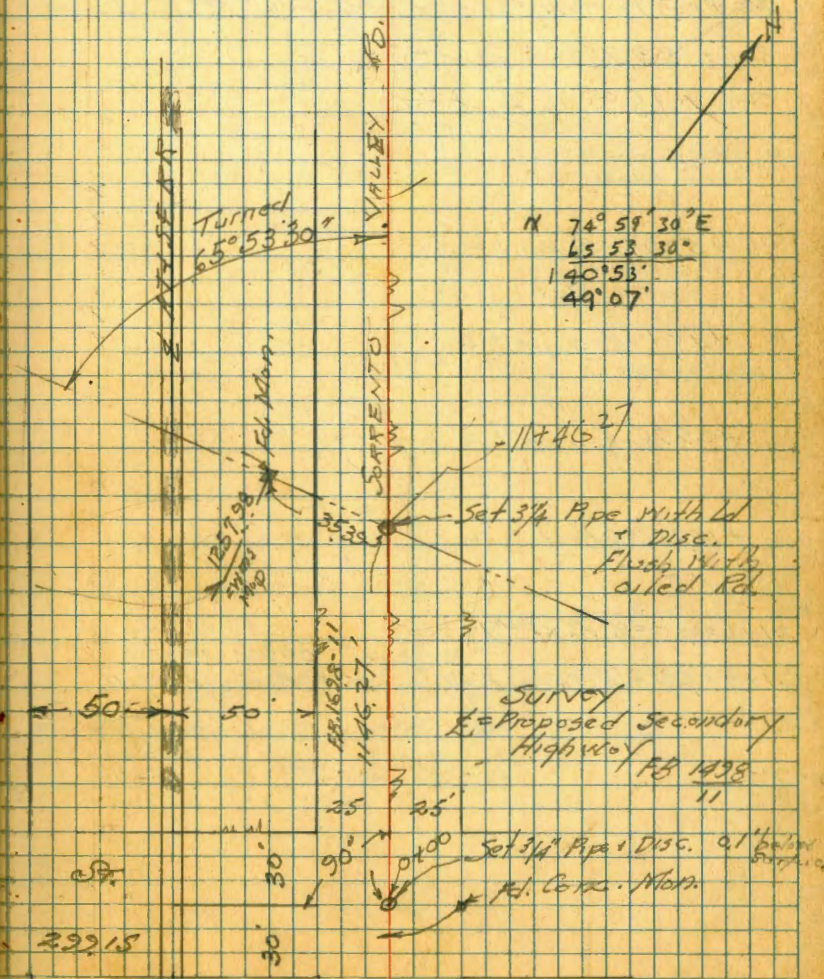
Walker
 rope
 pulled
 8-7-53

W.G. 2/150



This Survey

Cont. pull
 2/140/68



N 74° 59' 30" E
 65 53 30
 140 53
 49 07

SURVEY
 Proposed Secondary
 Highway FB 1498
 11

Set 3/4" Pipe & Disc. at bottom
 of hill

SORRENTO VALLEY - BRIDGE SITE

Lt.

Survey

Rt.

11

22+03.76 ch. Face Blkd. 12" Bridge Seat
6" Parapet Wall

21+82.75 = L Bent #7

21+75.00 = L Bent #6

+59.95 = L Bent #5

745.1 = L Bent #4

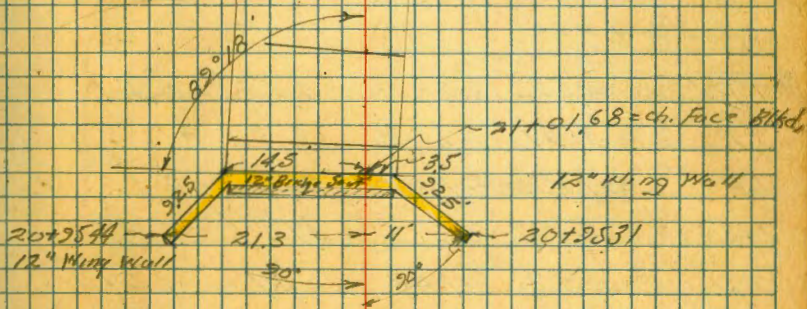
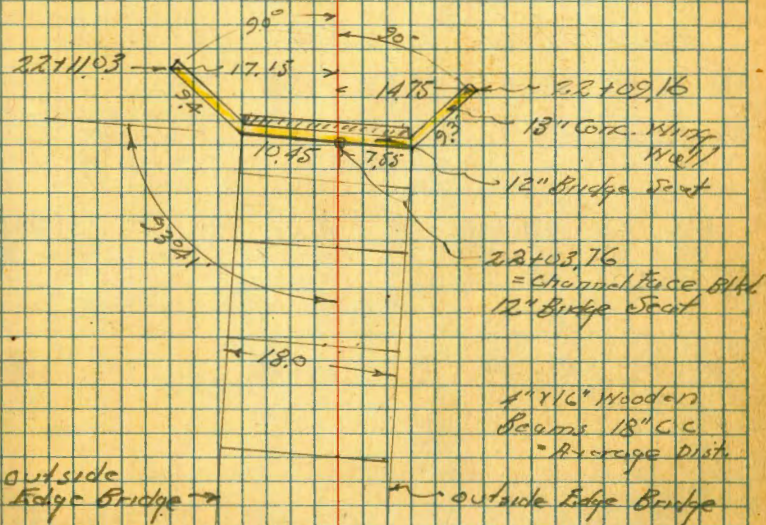
+29.75 = L Bent #3

+14.25 = L Bent #2

21+03.95 = L Bent #1

21+01.68 = ch. Face Blkd.

12" Bridge Seat
6" Parapet Wall



SORRENTO VALLEY BRIDGE SITE

20+50

+46 3/4 Tol Pole #402875-H 337' H

20+50

20+00

19+50

19+00

17+50 Cont. P-18

TP	4.52	25.03	4.52	20.51
TP	3.91	25.03	2.53	21.12
TP	7.44	24.00	2.02	16.86
TP	2.27	25.58	4.12	23.31
TP	4.42	27.43	10.57	33.01

40.73
- 9.21

217 22.58 31.41 =

Lt

Lt

Lt

12

15.2	15.4	20.2	20.7	20.8	20.6	20.7	15.4	15.6
9.8	9.6	4.8	4.3	4.2	4.4	4.8	9.6	9.4
4.1	2.8	2.1	1.4	EP	4	10	2.0	4.6

20.7	16.7	12.3	12.5	14.9	15.5	12.9	12.2	13	15.9
4.3	8.3	12.7	12.5	10.1	25	12.1	12.3	11.0	9.1
5.7	5.0	16.6	6.4	7.0	25	10.0	11.6	11.9	15.0

15.3	14.7	19.1	20.2	20.1	19.7	18.9	15.4	15.3
9.7	10.3	5.9	4.8	4.9	5.3	6.1	9.6	9.6
5.0	3.0	2.4	1.4	EP	EP	1.3	2.0	3.5

15.7	14.9	19	20	20.1	19.7	12	15.8	15.9	14.9
9.3	10.1	6.0	5.0	4.9	5.3	6.0	9.2	10.0	10.5
4.8	3.5	2.5	1.4	EP	EP	1.3	1.8	2.5	2.5

16.1	15.2	18.7	19.9	20	19.7	18.7	15.8	15.2	14
8.9	9.5	6.3	5.1	5.0	5.3	6.4	9.2	9.5	11.0
4.8	3.0	2.5	1.5	EP	4.5	4	1.8	2.6	6.0

EP 25.03 EP

5th. Plank
Set P.M. up a City Disc N.E. for CENTER P.K.

Ph. Man

EL's JNK. 11-12-53

USGS. E.M. Jorjants

City Datum

SORRENTO VALLEY - BRIDGE SITE

Lt

R

Rt

14

22+09.16

	9.3	9.3	13.7	14.4
	18.2	18.2	11.5	10.6
22+03.76 = channel face Conc. Skel	90	62	47	25
	Water Edge	Water Edge		

22+100

21+82.76

21+80

21+45.1

TR 4.71 25.22 4.52 30.51

21+36

21+15

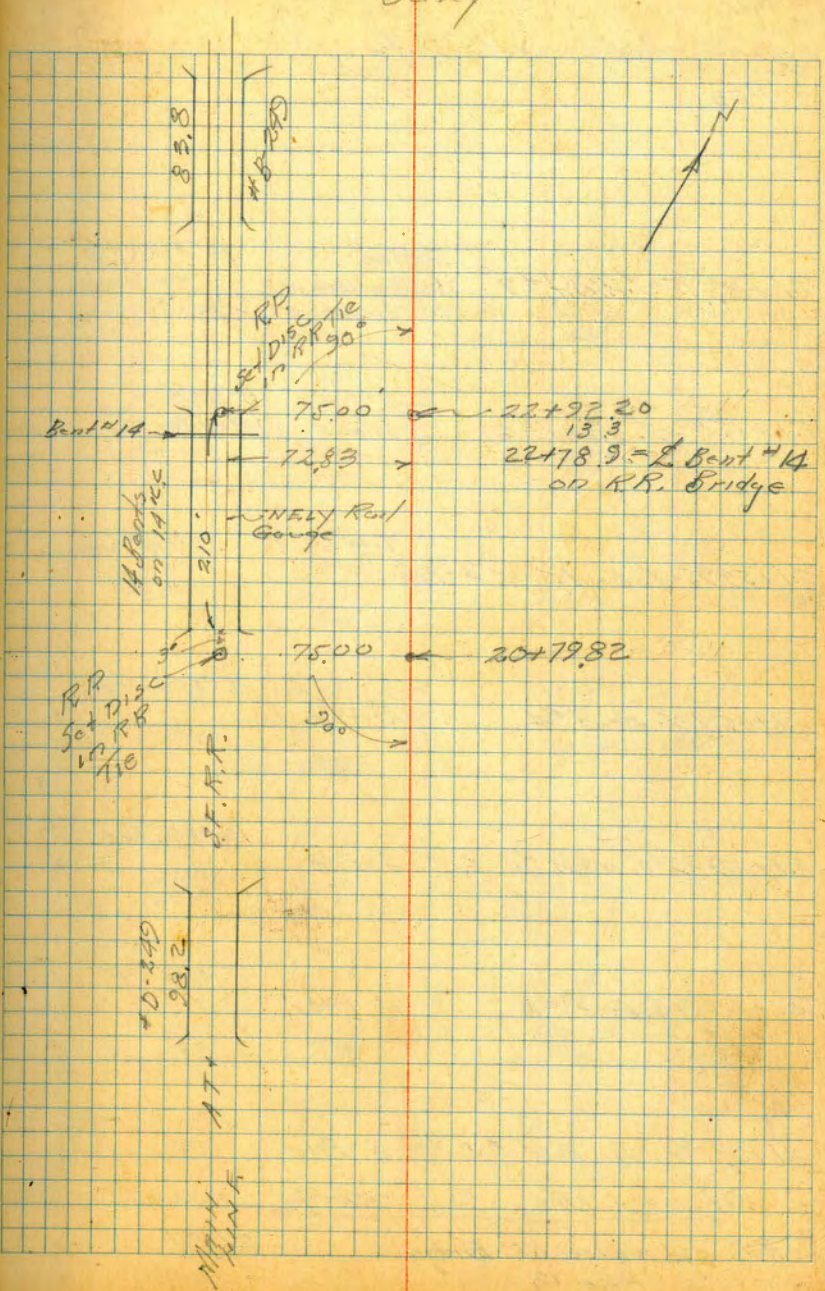
25.03

	20.3	20.3	19.1	16.8	19.3						
	48.6	49	51.5	8.4	5.2						
		5	14.75	11.8	10						
		Edge of Pav	Top of Winy Walk		Top of Drift Wood						
	13	19.9	18.3	14.4	20.4	18.3	19.9	15.1	16.3	16.3	17.4
	122	582	689	10.8	48	687	534	10.1	89	89	76
	10.4	10.6	10.95	6	0	0	7.55	7.55	20	100	140
	Ground	Top of Winy Walk	Bridge Seat	Ground	Deck	Bridge Seat	Top of Winy Walk	Ground			
	8.3	9.3	13.7	14.6	11.7		16.3	16.3	16.3	17.6	
	10.9	15.9	11.5	10.6	13.8		8.9	8.9	8.9	7.6	
	95	60	45	25	water		20	53	100	140	
	Edge Water	Edge Water			Bridge via channel						
	9.3				9.3		13.6	14.6	15.1	17.6	
	15.2				15.2		11.6	10.6	10.1	7.6	
	55				Edge Water		9	31	30	140	
	Water										
	9.3				9.3		14.6	14.5	15.1	17.6	
	15.2				15.2		10.6	10.7	10.1	7.6	
	75				26		31	53	20	140	
	Edge Water				Edge Water						
	1.4				33.8		9.3	13.2	13.1		
	Bottom Pond				80		15.9	12.0	12.1		
	25.22				Edge Water		80	96	140		
							Edge Water				
	9.3				9.3		14.1	14.9	14.9		
	15.2				15.2		13.2	13.1	13.1		
	66				100		125	125	192		
	Water Edge				Water Edge						
	13.7	15.3	9.3		9.3		14.1	14.9	14.9		
	11.3	9.7	15.7		15.7		10.9	10.1	10.1		
	66	60	4.7		120		14.9	14.9	15.2		
			Water Edge		Edge W						
					25.03						

Survey

Sorrento Bridge Site - Data

			201	
TP	chik starting	8.14	2.57	31.41
TP	5.87	33.97	2.22	28.10
TP	4.28	31.02	2.24	26.04
TP	5.37	28.28	4.77	23.61
TP	5.89	28.38	4.27	22.42
TP	6.28	26.76	4.71	20.51
				25.26



Sarrante Bridge

Walker
Page
Pullen
Nov
11-17-53

Additional Data

21+89.75 - E Bent #7 5-Pile 12"x12" Cap
Two Together at
Two on Rt = 2.75' c.s.

21+75.00 - E Bent #6 3 Pile 12" High Cap
x14" Wide

21+59.95 - E Bent #5 - 4-Pile Two 2 Piles Together 12"x12" Cap

21+45.1 - E Bent #4 3-Pile 12"x12" Cap

21+29.95 - E Bent #3 4-Pile 12"x12" Cap

21+14.95 - E Bent #2 4-Pile 12"x12" Cap

21+03.05 - E Bent #1 3-Pile 1.3' x 0.7' Cap

Direct Silver Rod Used

B.M. Spk - Disc RR. Bridge
Page 17

2051

Lt

Rt

Rt.

17

Base
L1178
Survey
P-11

8.6 Ground = Water Line 12.0	18.67 Deck Top Cap End	20.50 Pav.	18.68 8.5 Top Cap End	12.9 8.5 Ground
4.5 Bottom Pond 15.2	18.72 Deck Top Cap End	20.50 Pav.	18.76 6.9 Top Cap End	6.1 6.9 Bottom Pond
0.2 14.3 Bottom Pond	18.70 Deck Top Cap End	20.50 Pav.	18.86 6.2 Top Cap End	-1.1 6.2 Bottom Pond
-0.3 14.3 Bottom Pond	18.80 Deck Top Cap End	20.50 Pav.	18.84 5.2 Top Cap End	-0.4 5.2 Bottom Pond
0.4 15.5 Bottom Pond	18.71 Deck Top Cap End	20.50 Pav.	18.76 5.3 Top Cap End	0.3 5.3 Bottom Pond
2.1 15.6 Bottom Pond	18.76 Deck Top Cap End	20.50 Pav.	18.68 6.0 Top Cap End	3.5 6.0 Bottom Pond
8.6 15.6 Ground = Water	18.68 Deck on Top of Bent Cap End	20.61 Pav.	18.46 4.5 Top Cap End	8.6 Ground = Water Line 4.5

SORRENTO BRIDGE

walkway Additional Sections
Pope

24+06 = 1/2 Group Trees 24' Ht Total 30" Dia.

24+00 Section Total Dia = 24"
23+85 = 1/2 of Group 7 Trees 20' Ht 24+00

23+50

23+00 25' Ht = Fence = Parallel To ♀

19+00 Cont. P-12

18+50

18+00

17+69 = Tol Pole D 35129-T 24.3' Ht

17+50

B.M. P-12 20.51

H.

♀

Ht.

18

15.6	15.2	15.5	19.30	19.64	19.50	19.2	17.2	16.9	18.7
46	18	12	6	15	26	32	50	100	
			F.P.		EP				

15.8	15.7	15.4	19.15	19.64	19.20	19.1	16.7	16.7	17.8
44	19	14	7	14	19	29	50	100	
			F.P.		EP				

15.2	15.8	15.1	19.38	19.80	19.46	19.4	16.6	16.5	17.3
44	19	15	6	13	17	28	50	100	
			F.P.		EP				

16.0	15.9	13.7	19.26	19.57	19.08	18.7	16.0	16.9	14.7	14.7
47	30	16	15	6	12	15	34	40	60	
			F.P.		EP					

16.0	15.8	18.8	19.22	19.45	19.08	19.2	16.6	16.9	15.8
46	25	35	5	6	12	16	25	40	
			F.P.		EP				

16.2	15.9	19.0	18.57	19.13	18.6	19.4	16.4	16.5	14.1
41	33	4	16	7	13	16	34	60	
			F.P.		EP				

15.8
7.60

JORRENTO BRIDGE

26+00 Fence = 275' Rt.

23+50 Fence = 20' Rt.

11' Rt Top Rail = Two 1" x 3"
 22+11 Sec. Two Rail Set. " " "
 2" x 6" Posts
 Spaced with 1/2" Pipes -
 One Barbed Wire

26+00

15.2	19.2	19.56	19.68	19.72	19.2	16.9	15.8	15.8	17.8
14	7	1		32	27	34	50	76	100
		FR		FR					

25+50

15.1	18.7	19.92	19.62	19.82	19.5	17.0	16.5	18.4
14	8	3		19	25	32	50	100
		FR		FR				

25+57 38.8' Rt = 2 Tel Pole # 514515-14

25+39 29' Rt = 2 Two Trees Total dia 30"

25+00

15.2	13.2	18.8	19.15	19.76	20.02	24	17.9	17.3	19.5
50	14	8	3		19	19.2	30	50	100
			FR		FR				

24+50

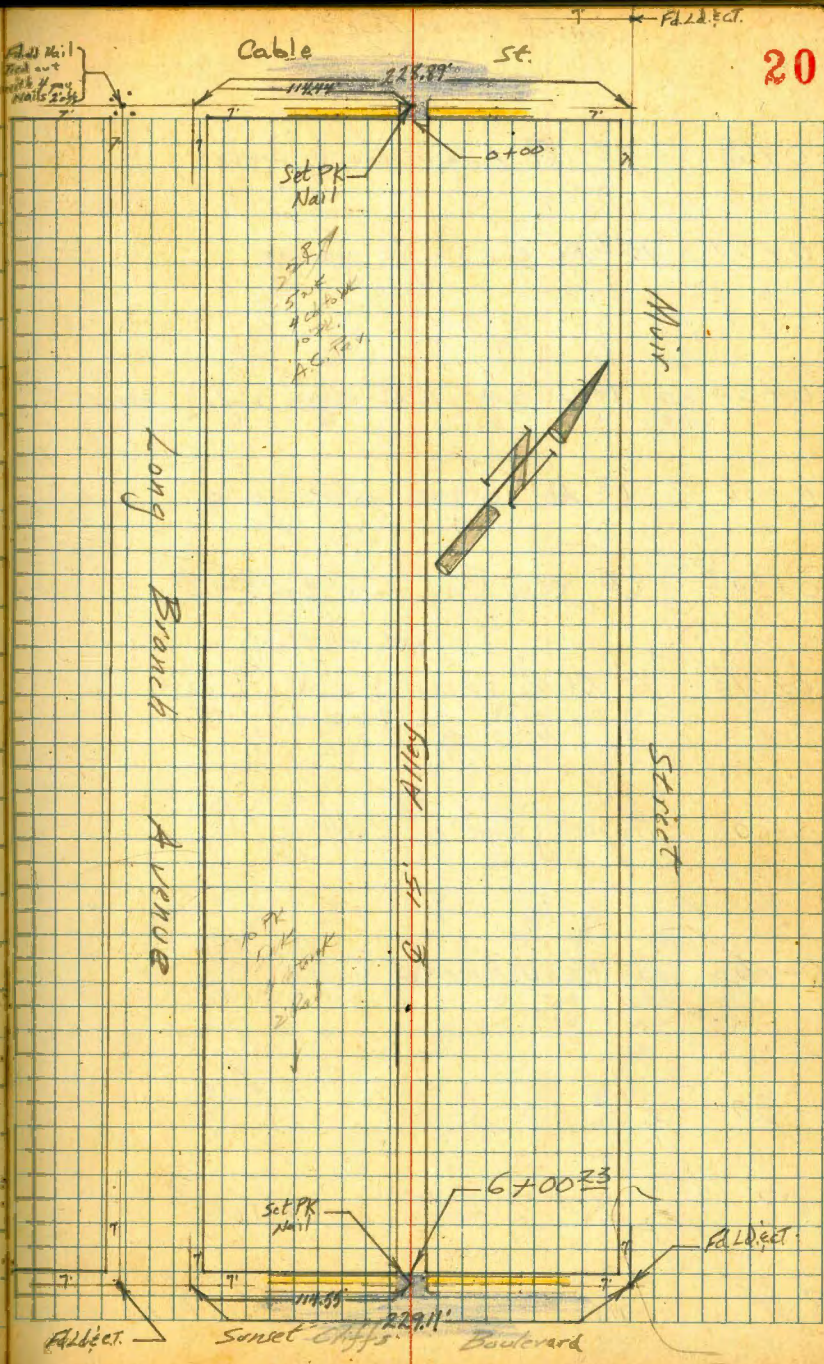
18.3	14.0	19.0	19.43	19.82	19.76	19.7	17.5	17.8	20.0
47	18.0	10	5		16	22	30	50	100
			FR		FR				

Roberts
Cota
O'Neil
9-23-54
W.D. #32378

X-Section Alley Block 9, Ocean Beach Park

T.P. 13 pg. 7

INDEXED
SEP 24 1954



0+68 7² Rt begin board fence

0+57 15² Rt & Single garage

0+50 7² Lt Enl picket begin board fence.

0+38 7² Lt begin picket fence

0+34⁸ 6⁸ Rt to NE corner (Box 3³ 2²)

↑ Field check!

0+31⁵ 6¹ Rt to NW cor. of wood box containing some kind gas pressure valves.

0+00 Property line of Cable

0-10 Fly Curb Line of Cable

0-30 & Cable Street

T.P. 6.81 21.84⁷ 2.03 15.03

B.M. 11.08 17.06 5.98^{NW 4^{c.t.} Bacon & Longbranch}

18.2
3.6
20

18.0
3.8
72

17.5
4.3
5

17.5
4.3
5

17.8
4.0
5

18.1
3.7
73

18.7
3.1
15.2
DIT Floor

18.0
3.8
20

16.78
5.06
72
cb

16.73
5.71
72
cut

16.28
5.56
72
cut

16.64
5.20
72
cb

16.77
5.07
72
cb

16.17
5.87
35
cut

16.82
5.02
33
cb

16.04
5.80
10
cut

16.53
5.31
10
cb

15.96
5.88
10
cut

15.98
5.91
10
cut

16.01
5.33
10
cb

15.73
6.11
56
cut

16.29
5.55
36
cb

16.21
5.63
30

16.04
5.80

15.81
6.03
30

21.84⁷

1+39 { 8^L Lt & Single garage
 .17^{RT} & double garage

1+32 7⁰ Lt End board fence

1+15⁰ 6⁰ Lt begin board fence

1+10 13^{RT} & Single garage

1+00

0+93 16⁰ Rt & Single garage

0+91 13⁰ Lt & Single garage

0+89 7⁰ Lt End board fence.

0+82 7⁰ Rt End board fence.

0+76 6⁰ Lt & 3⁰ Conc walk

0+70⁰ 5⁰ Rt to Near Edge P. Pole # 7A4002

21.84X

19.6
 3.2
 8.2
 dirt

19.99
 1.85
 17.5
 conc

18.9
 2.9
 20

18.9
 2.9
 22

18.9
 3.0

18.9
 3.0
 5

19.1
 2.7
 22

18.9
 2.9
 20

19.74
 2.1
 17.2
 dirt

18.74
 3.10
 15.3
 conc

18.9
 2.9
 16
 dirt

18.58
 3.26
 16.2
 conc

18.22
 3.62
 6.2
 conc

21.84X

2+16 12° Rt & 3° conc walk

2+11 11½ Lt begin conc apron - 3 car garage

2+10 15° Lt & 3' conc walk

T.P. 7.76 28.54 π 1.06 20.78

2+00 { 7² Rt End board fence
4⁶ Rt to N.E. P. Pole # PA 4860

1+96 14⁰ Lt & Single garage

1+85 7² Lt End board fence

1+68² 7³ Rt begin board fence

1+57² 15² Rt & Single garage

1+52 7³ Lt begin board fence

1+50

21.84 π

21.95
6.39
15
Floor

21.47
7.07
11.5
conc

21.05
2.49
1.20
conc

21.19
7.35
15
conc

28.54 π

20.7
1.7
20

20.7
1.1
7³

20.4
1.4
5

20.4
1.4
5

20.7
1.1
5

20.7
1.1
7³

20.6
1.2
20

20.75
1.09
14.0
conc

20.0
1.8
1.54
2.12

19.8
2.0
20

19.6
2.2
7³

19.7
2.1
3

19.5
2.3
6

19.8
2.0
6

20.0
1.8
7³

19.9
1.9
20

21.84 π

3+00

2+95⁵ 9⁸ Lt End conc apron

2+91 13⁰ Rt £ Single garage

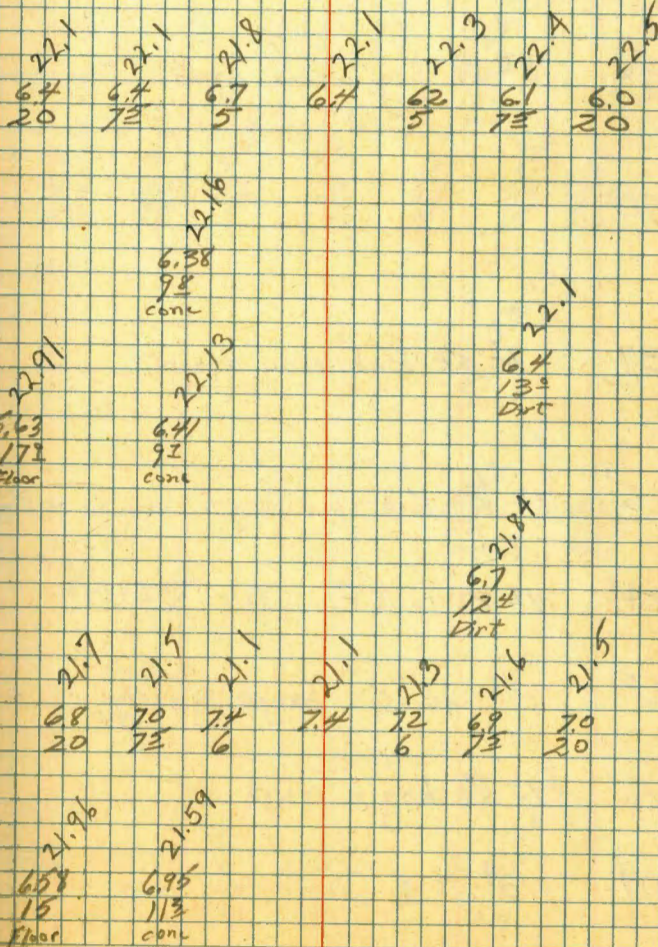
2+81 9¹ Lt begin conc apron - single garage

2+69 12⁴ Rt £ Single garage

2+50

2+46 11³ Lt End conc apron - 3 garage

2854



2854

Check 2.64 28.05 = 28.08

Top Fire hydrant on S.E. Corner Main & Sunset Cliffs

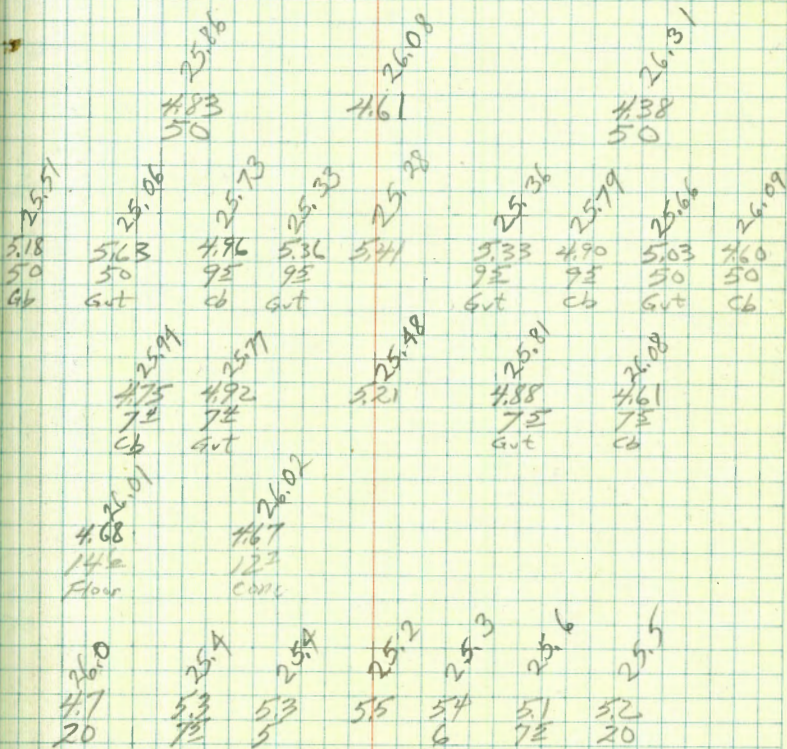
6+30.23 E Sunset Cliffs Blvd.

6+10.23 Curb Line

6+00.23 Prop. line Sunset Cliffs Blvd.

5+60 12" 2t End conc apron

5+50 6" R₃ to N.E. P. Pole JPA 4118



30.69X

30.69X

LOS PINASQUITOS CREEK BRIDGE

WILKEY CROSS SECTION FOR KEYSTONE
 TUNNEL
 BRIDGE APPROACHES
 11-28-1955

INTJGR
 DEC 13 1954

20+25

Note: Final X-Sections P-34

20+00

19+75

19+50

19+25

19+00

18+75

18+50

spk + disc
 B.M. N.E. of Santa Fe Bridge 20.51
 P-12

These sections superseed
 those on p. 12

Lt.

C

Rt.

28

15.0 15.0 19.8 20.4 19.5 15.8 15.3
 40 29 24 16 25 48

15.1 15.1 18.2 19.8 20.12 19.2 15.6 15.5
 40 29 26 21 16 25 50

15.1 15.1 18.0 19.6 20.12 19.5 16.0 16.0 16.0
 40 31 27 22 15 21 40 50

15.1 15.1 15.8 18.4 19.5 20.15 19.6 16.2 16.3 15.1 16.7
 42 37 33 29 22 15 22 34 37 42

15.1 14.9 18.0 19.2 20.17 18.67 17.11
 50 26 29 23 22 55
 E.P. E.P. N-side
 Detour Detour

16.0 15.2 19.1 19.90 20.05 18.28 18.40 14.9 14.1
 50 34 26 15.5 34.5 40 45 50
 E.P.
 5th Detour

16.0 15.4 19.2 19.66 19.78 18.72 18.4 16.4 16.0
 40 35 25 14.8 16.5 20 27 40
 E.P.

15.8 15.3 18.6 19.45 19.96 19.23 18.9 16.7 16.0
 40 33 27 14.8 7 12 16.2 20
 E.P. 18

23+00

22+75

22+50

22+27

22+24

22+20L = Hd wall Nthly

20+57' = Hd wall Sthly

20+52

20+50

20+48

48
20+50

Lf

E

Rt

29

152	158	178	1920	1980	1948	192	166	1790	1760
40	21	18	8 ^{ep}		13 ^{ep}	19	27	365	50

163	167	185	192	196	174	166
40	23	16		18	23	40

157	162	192	202	198	172	167
40	27	16		18	24	40

157	161	189	203	206	182	173
40	23	17		18	30	40

152	154	106	110	111	182	173
40	30	20		23	30	40

150	153	103	100	111	102	102	125	176	162
40	30	26	158		158	23	27.2	35	50

162	164	102	102	97	110	115	147	155
40	28	204	158		158 = end wall	25	30	35

152	164	102	97	104	127	133	157
40	23	21		20	25	30	35

136	15.5	48	155
31	33		48

157	155	170	207	207	200	153	144	138
40	29	21	20		13	20	20	23

Lt

E

Rt

Check Orig BM 2051

24100 = approx end of detour

23+75

23+50

23+25

159	160	150	192	1951	1965	1984	1950	193	171	170
40	21	20	12	3 rd ep		55 th E.R.	15 th ep	22	27	40
160	170	142	194	1965	1972	176	168			
40	26	20	12	= ep	20 th ep	26	40			
154	15 ^s	192	1935	1965	1970	1865	186	171		
40	20	13	5 th		8 th	30 th	34	40		
			ep		ep indet.	ep indet.				
152	163	188	1932	1972	1945	191	1894	1788		
40	21	14	6 th ep		13 th ep	17	22 nd	45 th		
								ep indet.	ep indet.	

Dec. 21-1955
 Walker
 Taylor
 Johns
 Elmore

31

Los PENASQUITOS CREEK BRIDGE

BRIDGE APPROACH 195, 21150

FINISH GRADES

Station - Cor. P32
 20+00

19+75

19+50

19+30

19+10

18+90

18+70

18+49.08 - Beg. Project

B.N. - D.W. N.E. Cor

SANTA FE BRIDGE
 P-12

2051

LT	C	RT
21.36 12.70 F 1.66	21.54 20.30	21.36 16.34 F 5.02
20.91 12.62 F 1.29	21.09 20.04	20.91 15.85 F 5.06
20.42 12.54 F 0.88	20.60 20.15	20.42 15.34 F 5.08
20.07 12.47 F 0.60	20.25 20.30	20.07 14.83 F 5.24
19.78 12.53 F 0.26	19.96 20.10	19.78 14.14 F 5.64
19.58 12.40 F 0.18	19.73 20.00	19.58 13.80 F 5.78
19.45 12.34 F 0.11	19.63 12.70	19.45 16.56 F 2.89
19.37 12.19 F 0.18	19.55	19.37 16.65 F 2.72

Los Penasquitos Creek Bridge
 d. Approach
 Sta. Cont. from P-31

Cont. P-33
 22119 = W end Bridge

21795.5

21767

21385.0

21110 = Bent

20781.50 = Bent

20758 = Bgn. Bridge

20725

Lt.

d

Rt

32

2197	21.74 21.45 FO.29	21.98
------	-------------------------	-------

2171	21.99 21.70 FO.29	21.71
------	-------------------------	-------

2185	22.18 21.83 FO.29	21.85
------	-------------------------	-------

2193	22.20 21.91 FO.29	21.93
------	-------------------------	-------

2199	22.24 21.95 FO.29	21.99
------	-------------------------	-------

2191	22.30 21.91 FO.29	21.91
------	-------------------------	-------

2183	22.11 21.82 FO.29	21.83
------	-------------------------	-------

2168	
2013	
FO.29	

2186	
2046	
FO.29	

2168	
1545	
FO.29	

Cont. P-31

Los Penasquitos Crk. Bridge
Approach

Lt.

L

Rt.

Sta
24+00.96 = End Project

19.11
14.74
F 4.70

19.62
19.62

19.44
19.86
C 0.42

23+80

19.15
14.90
F 4.55

19.63
19.63

19.45
19.87
F 0.41

23+60
24+00.96 = End Project

18.60
15.63
F 3.97

19.78
19.64

18.60
19.13
C 0.59

23+50

18.74
15.98
F 2.76

19.92
19.65

18.74
19.14
C 0.40

23+20

19.97
16.02
F 3.95

20.15
19.77

19.97
18.83
F 1.12

23+00

20.03
15.80
F 4.50

20.48
19.77

20.30
18.71
F 1.59

22+75

20.78
16.37
F 4.51

20.95
19.87

20.78
18.02
F 2.76

22+50

21.16
16.57
F 4.59

21.34
20.00

21.16
18.57
F 2.59

Los Peñasquitos Creek Bridge -

APPROACH -

Dec. 30th Walker
1955 Taylor 34

Johns
E. Moore

FINAL CROSS SECTIONS
FOR YARDAGE

20+25 Note; Prelim. X-Sections P-28-30

20+00

19+75

19+50

19+25

19+00

18+75

18+50

140 21150

LT,

R

RT

15.0	21.6	21.70	21.85	21.77	21.6	15.7	15.7
31	17	13.1		14.2	18.0	24	33
		EP		EP			

15.1	21.2	21.39	21.53	21.44	21.2	16.9	16.6
32	17	12.9		13.9	18	28	33
		EP					

15.2	20.8	20.25	21.07	21.04	20.9	15.2	15.6
33	17	12.3		13.3	18.0	27	40
		EP		EP			

15.9	19.0	20.2	20.50	20.44	20.58	20.2	15.9	15.1
34	24	17	12.6		13	19	28	38
			EP		EP			

15.1	18.6	19.6	20.10	20.20	20.10	19.5	18.6	17.9
36	25	20	11.7		12.1	19	25	40
			EP		EP			

15.3	18.0	19.4	19.78	19.95	19.86	18.1	14.8	14.1
34	27	21	10.9		13	36	45	50
			EP		EP			

16.9	15.2	18.0	19.2	19.66	19.71	19.55	19.1	16.2	16.0
44	25	27	21	10.7		10.9	21	28	40
				EP		EP			

15.8	15.5	19.1	19.71	19.55	19.25	18.9	15.9	15.7
40	33	23	10.9		10.7	19	26	30
			EP		EP			

R.M.E. Spk & Disc. N.G. Cor. Santa Fe Bridge
P-12

20.51

Sorrento Creek Bridge
Final Cross Sections

22+50

22+27

22+24

22+20.1

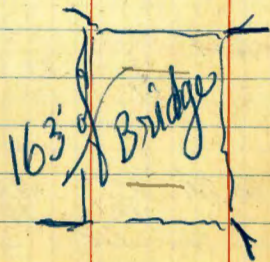
TR

20+57.1

20+52

20+50

20+48



22.81

Lt

Rt

Rt

35

15.6	16.4	21.2	21.27	21.31	21.22	21.9	18.2	16.8
40	26	19	13.9		13.5	20	25	40
			EP		EP			

15.8	15.6	21.6	21.55	21.64	21.53	21.4	17.8	17.1
38	29	20	14.1		13.8	21	31	40
			EP		EP			

15.5	15.5	21.5	21.58	21.71	21.58	21.4	17.8	17.8
35	29	20	13.7		13.9	21	31	35
			EP		EP			

21.95	21.6	21.63	21.83	21.66	21.4	17.5	17.2
18.6	18.5	17.8		18.1	20	32	40

TOP HING
WALL

16.1	17.8	21.9	22.00	22.05	21.98	21.9	22.27
30	27.2	21	14		14.2	15.4	15.4
			EP		EP		TOP HING WALL

15.7	21.8	21.95	22.05	21.94	32.0	22.23	
33	22	13.4		13.9	19.7	19.8	TOP HING WALL
		EP					

15.6	21.8	21.93	22.03	21.94	21.9	20.7	22.21
32	21	13.4		14	18	21.6	21.7
		EP		EP		TOP HING WALL	TOP HING W

15.5	21.7	21.93	22.00	21.92	21.9	15.6	15.5
31	19	13		14.2	18	29	35
		EP		EP			

Indexed
1-3-56

Sorrento Bridge Final Cross Sections

36

24+00

16.2 18.8 19.31 19.55 19.82 19.7 19.5 19.4
24 ~~28~~ 10.5 6 10.7 16 24
19

17.4
30

23+75

16.2 19.3 19.55 19.62 19.61 19.0
24 19 11.0 11 22
E.P.

23+50

15.4 15.8 19.6 19.85 19.88 19.79 19.5 18.5
20 27 19 11.8 11.5 18 30
E.P. E.P.

+25

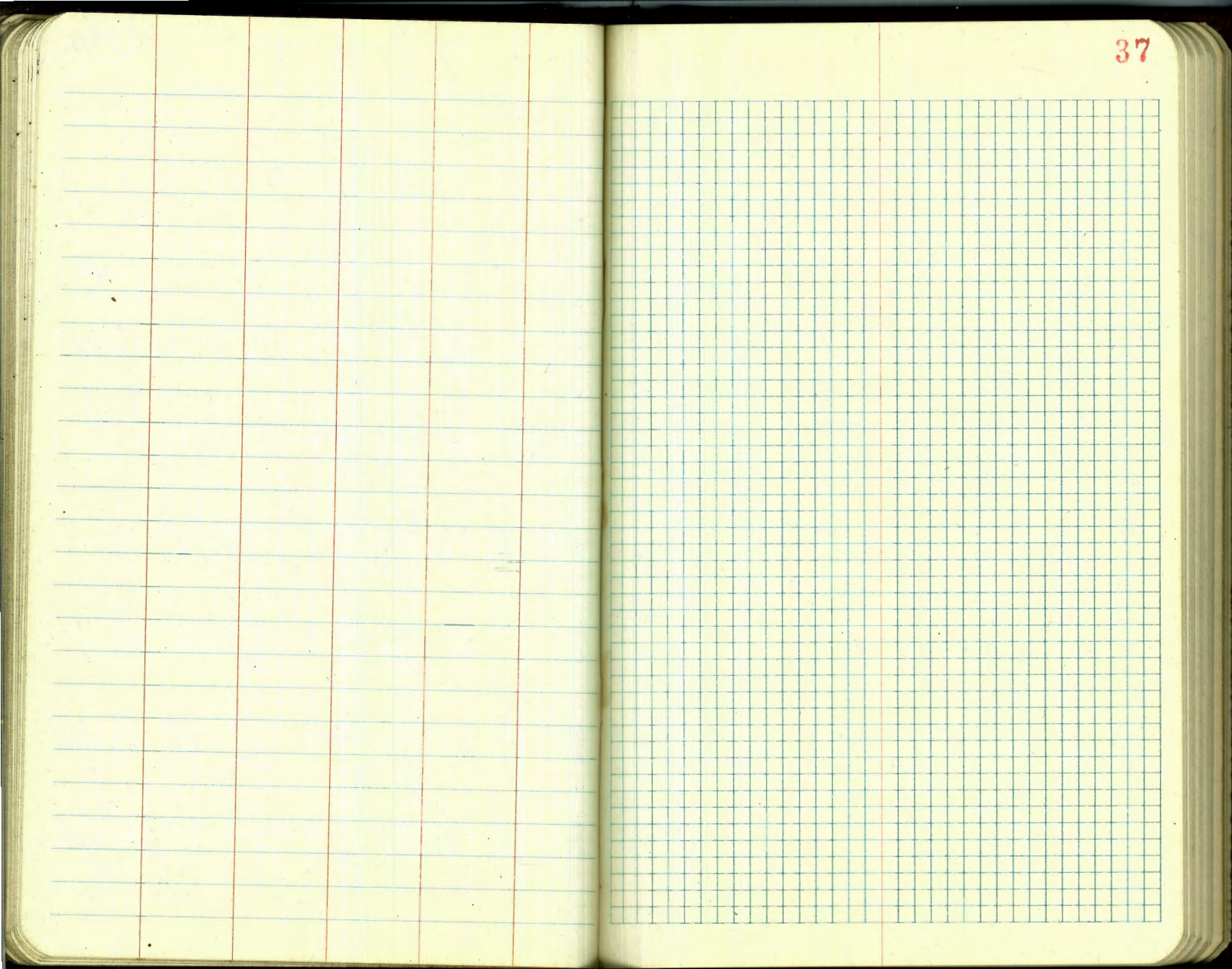
15.5 16.4 19.6 20.06 20.08 19.96 19.8 18.8
40 20 20 12.2 12.0 18 22
E.P. E.P.

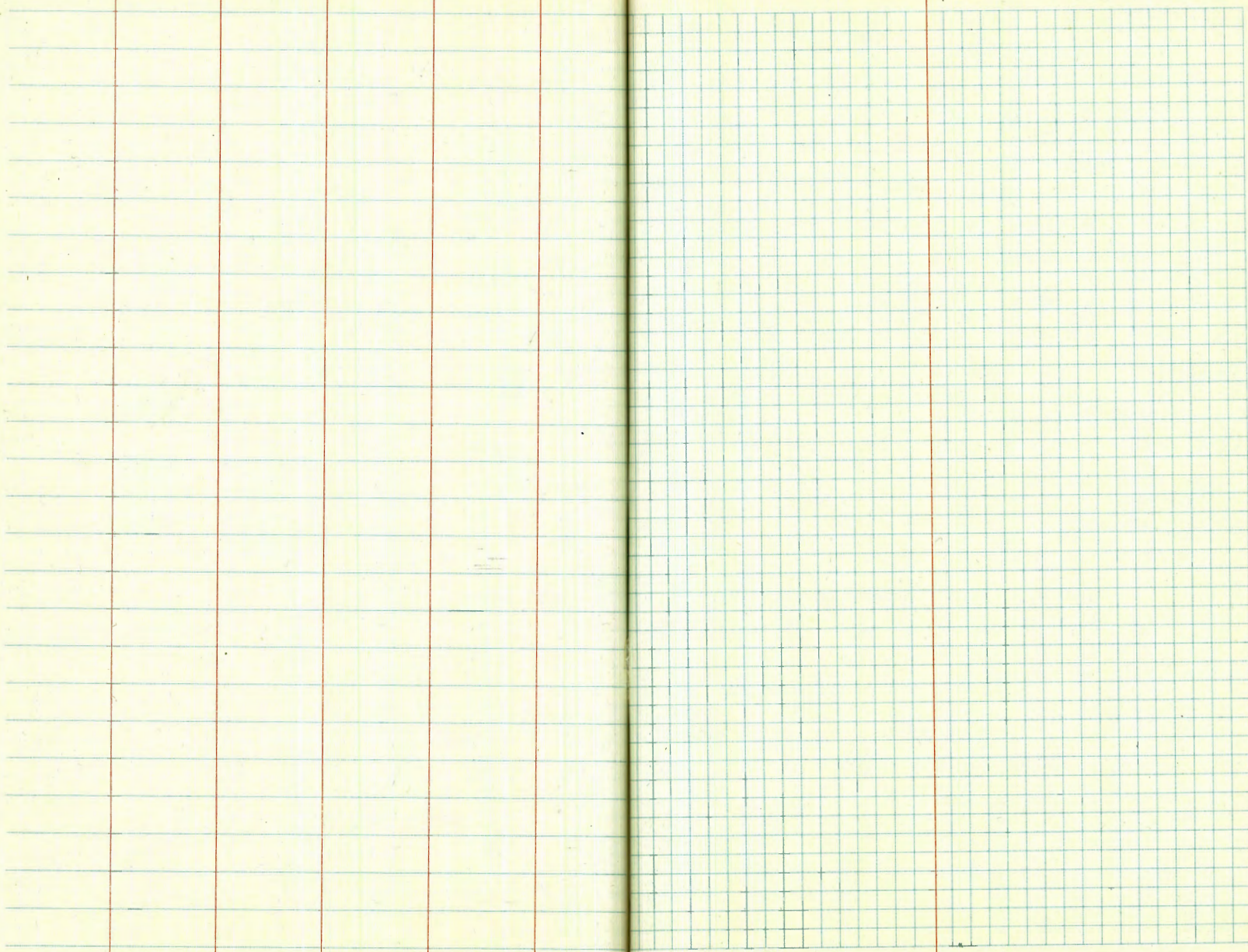
23+00

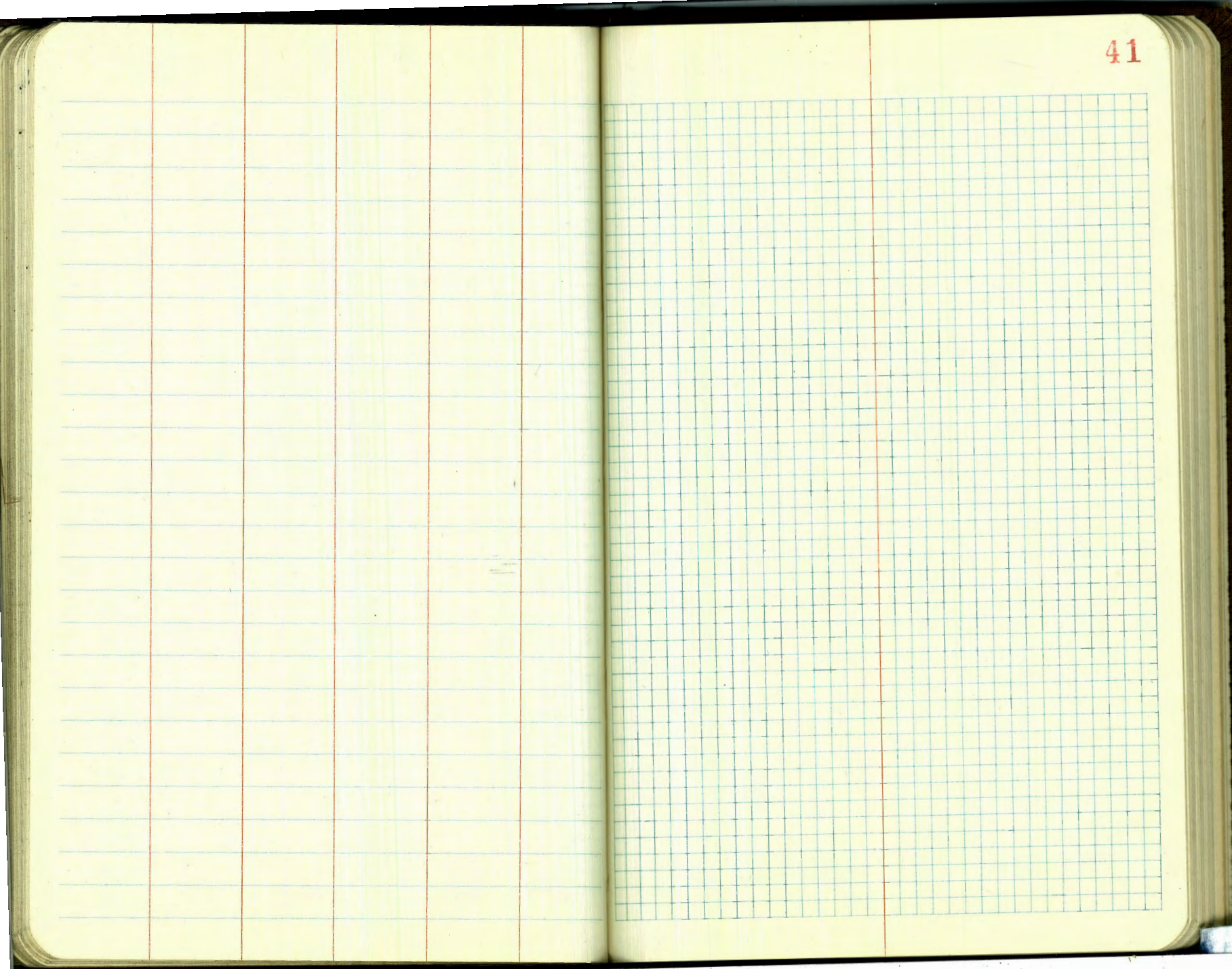
15.8 16.0 20.1 20.31 20.48 20.44 20.2 18.1 17.8
40 26 20 13.2 13.3 18 23 37
E.P. E.P.

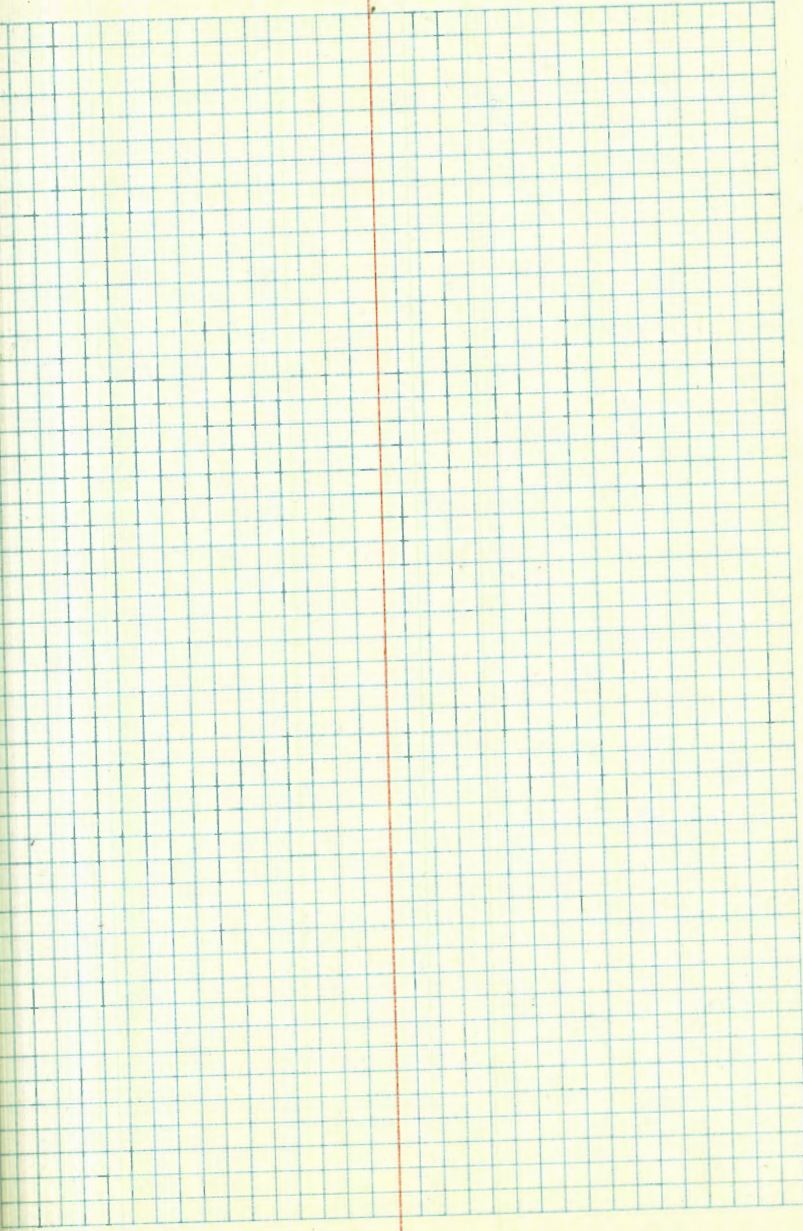
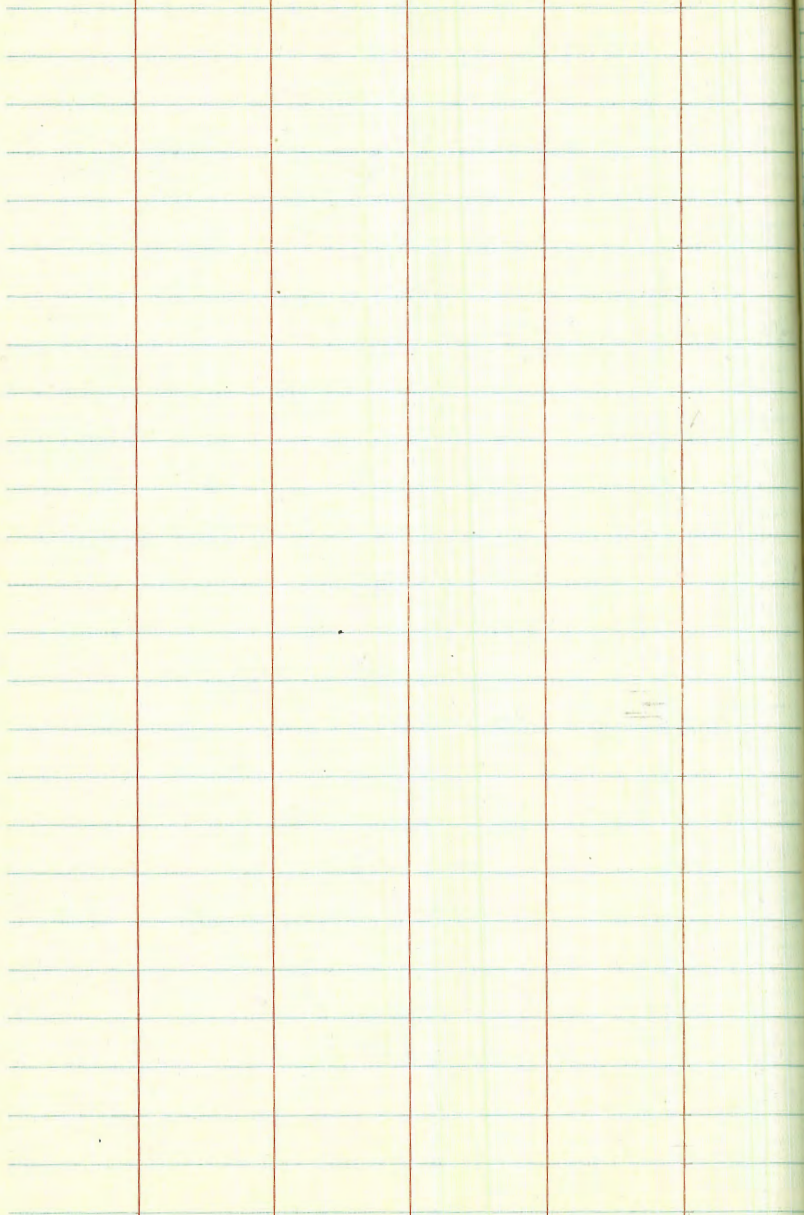
22+75

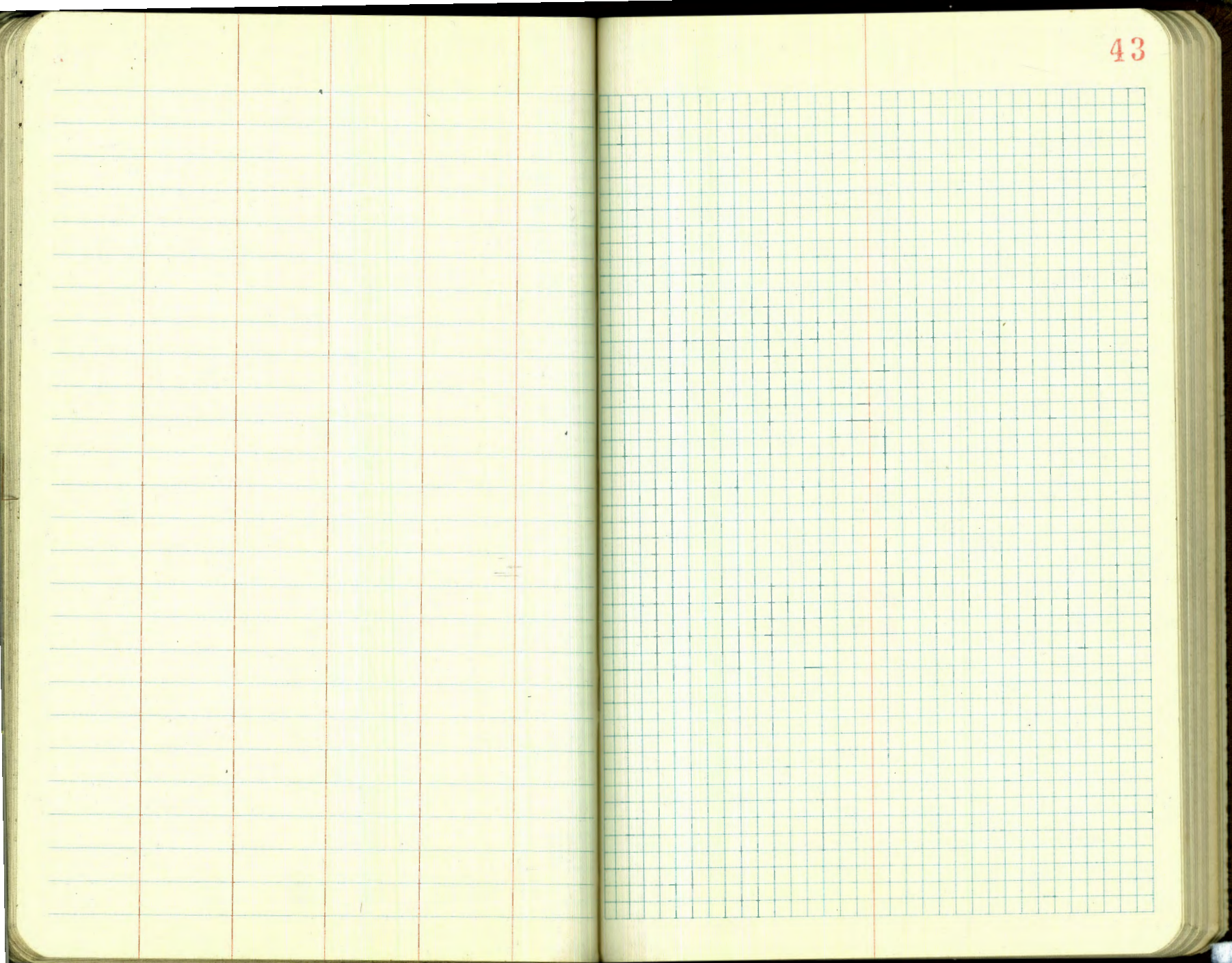
16.3 16.8 20.6 20.89 20.74 20.83 20.6 18.1 16.6
40 26 19 13.7 13 19 23 40



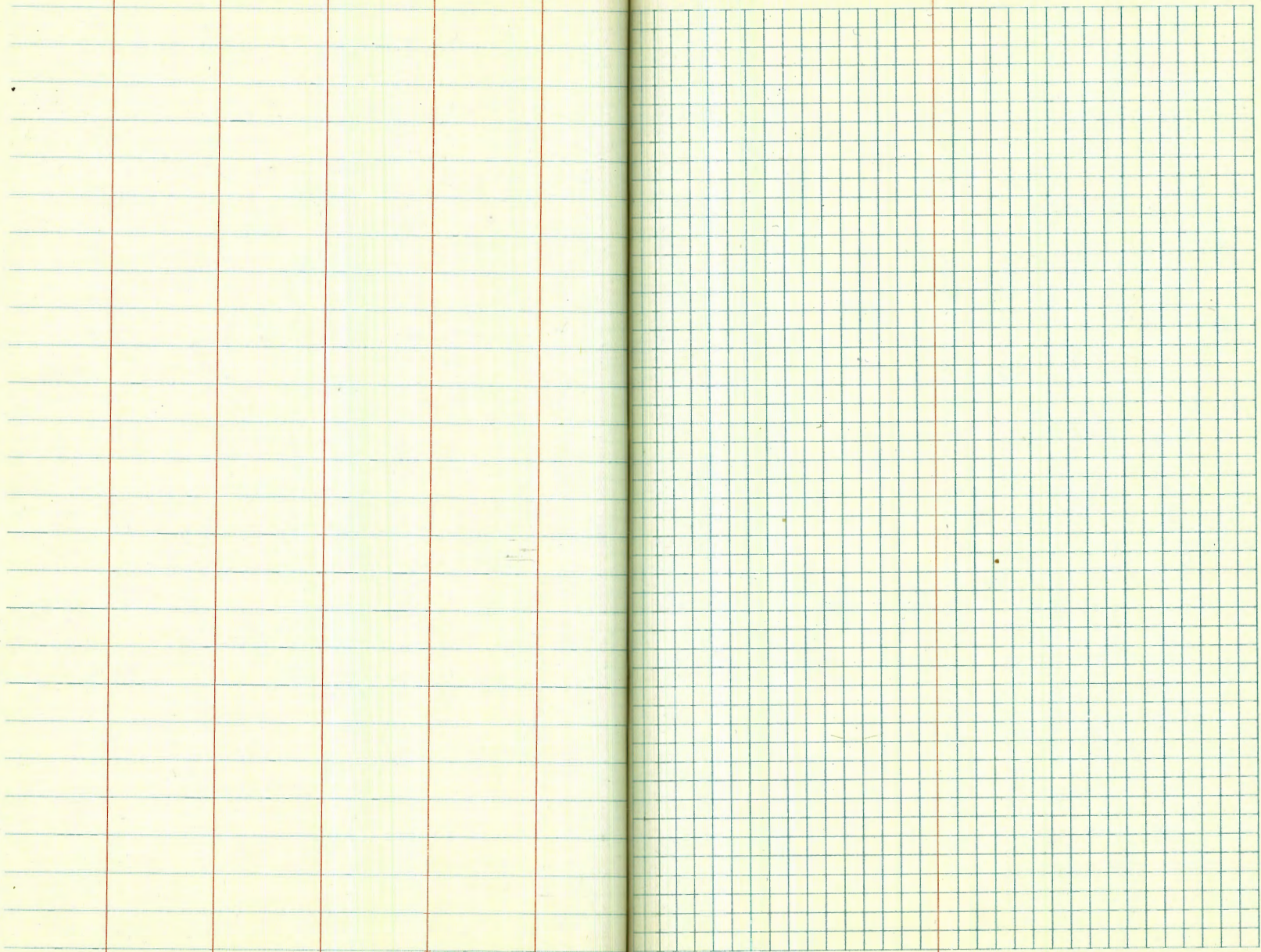






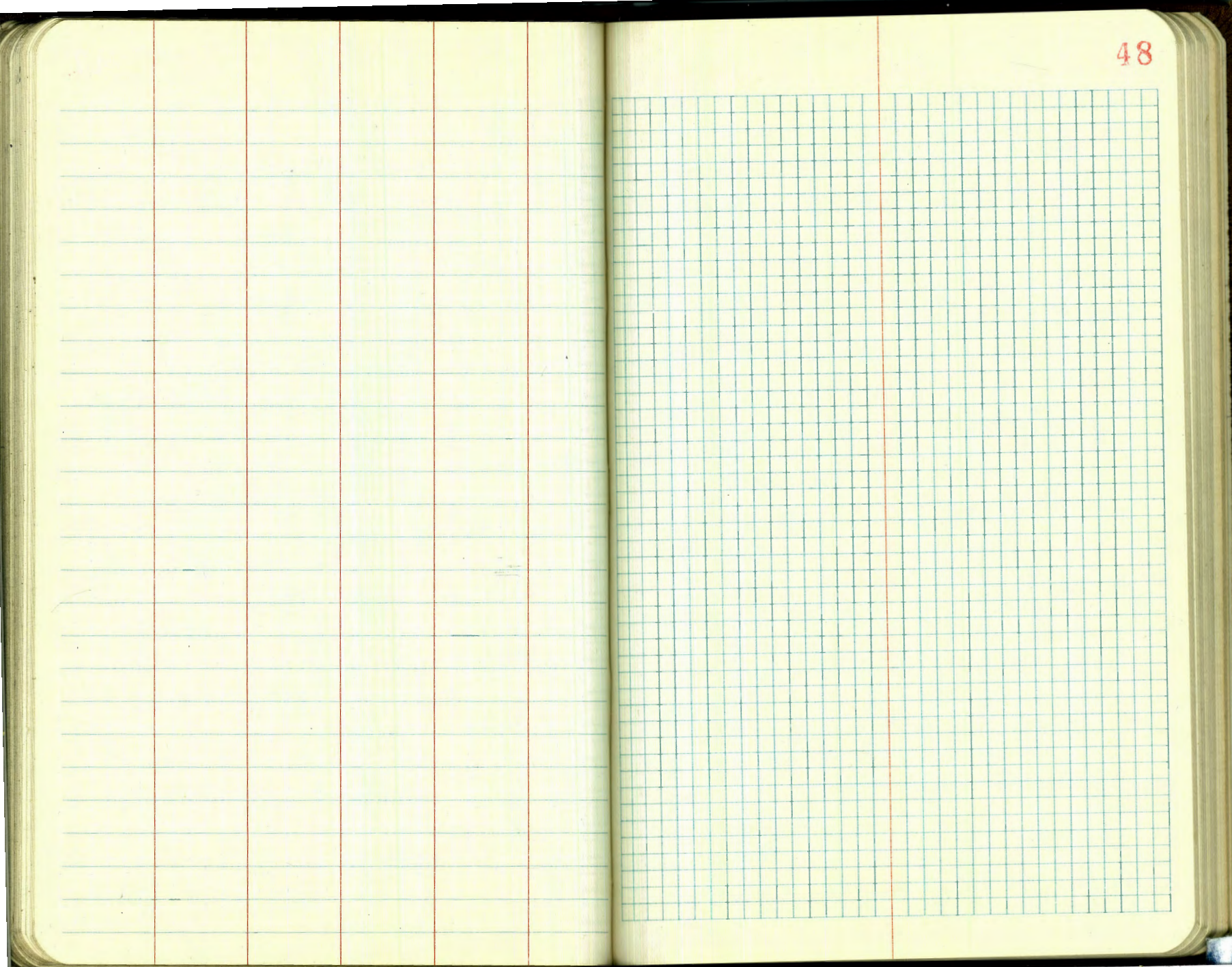


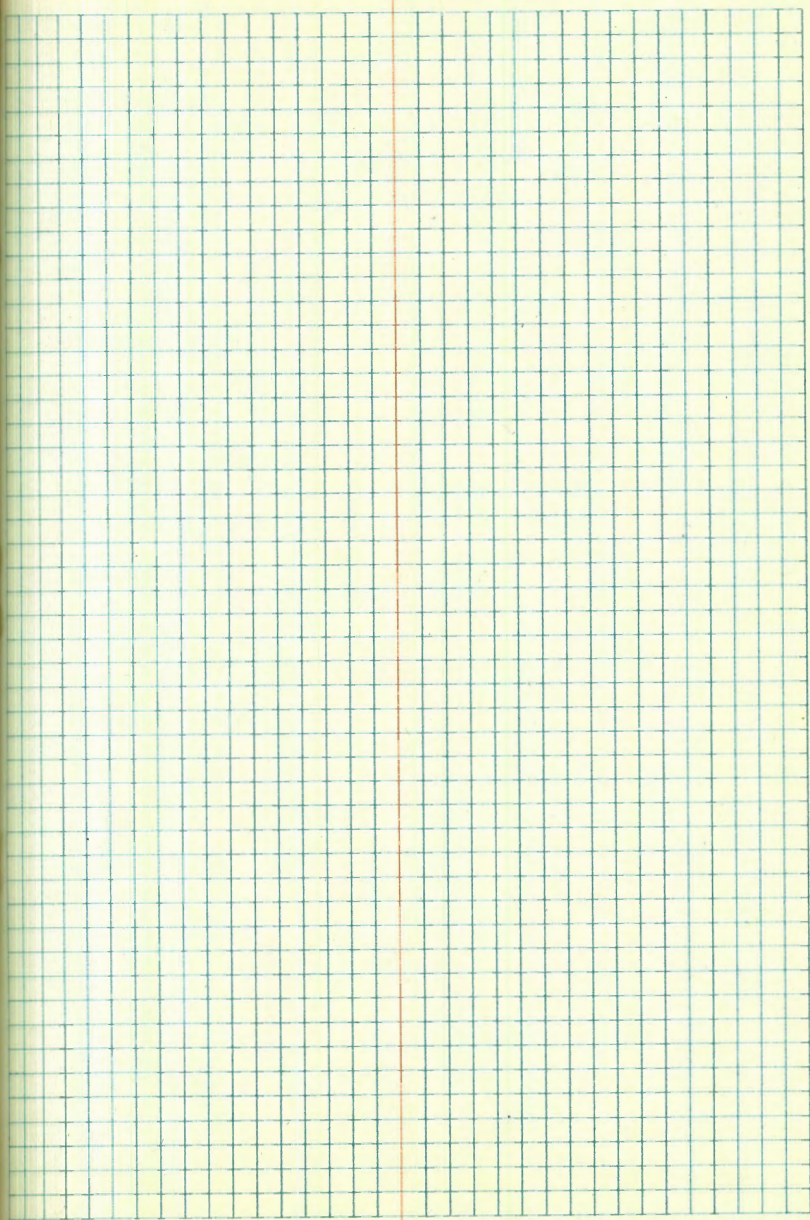
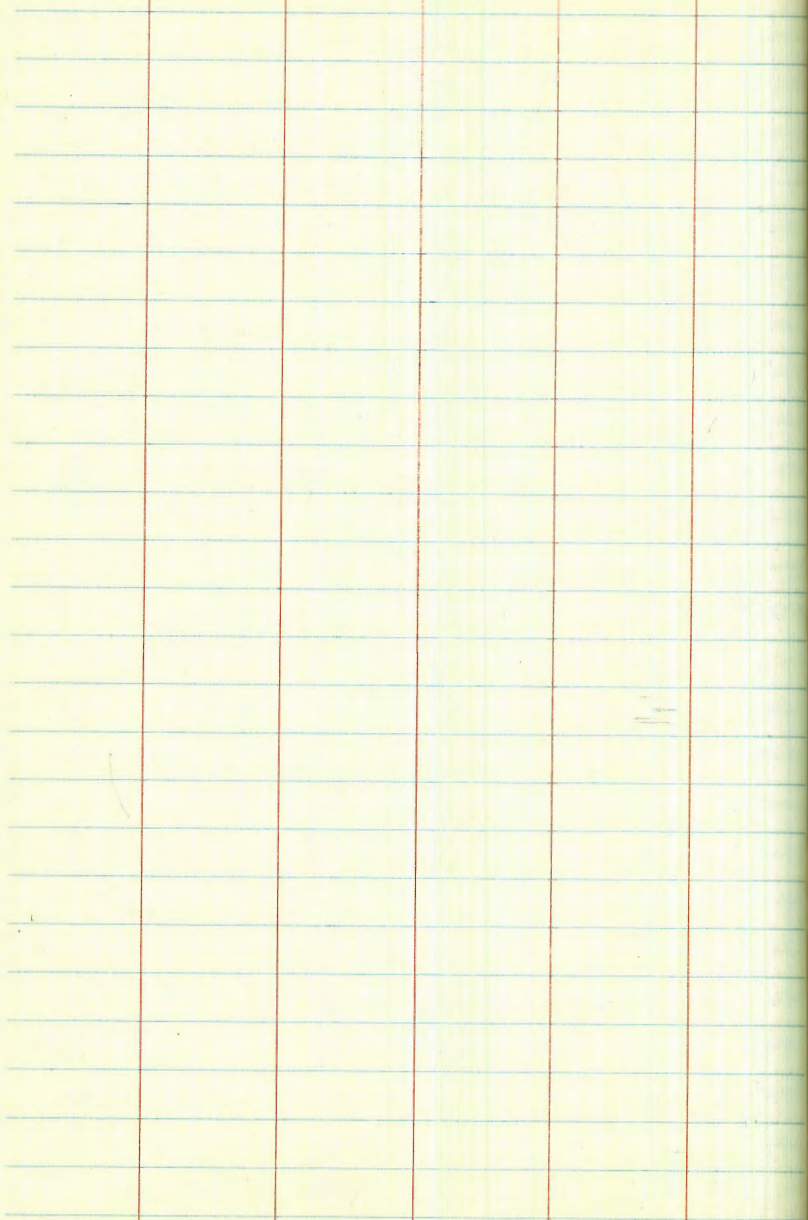
The image shows a blank page from a ledger or account book. The page is cream-colored and features a grid of blue horizontal and vertical lines. A prominent red vertical line runs down the page, creating a margin on the left side. The grid consists of approximately 25 columns and 30 rows. The page number '44' is printed in red in the top right corner.

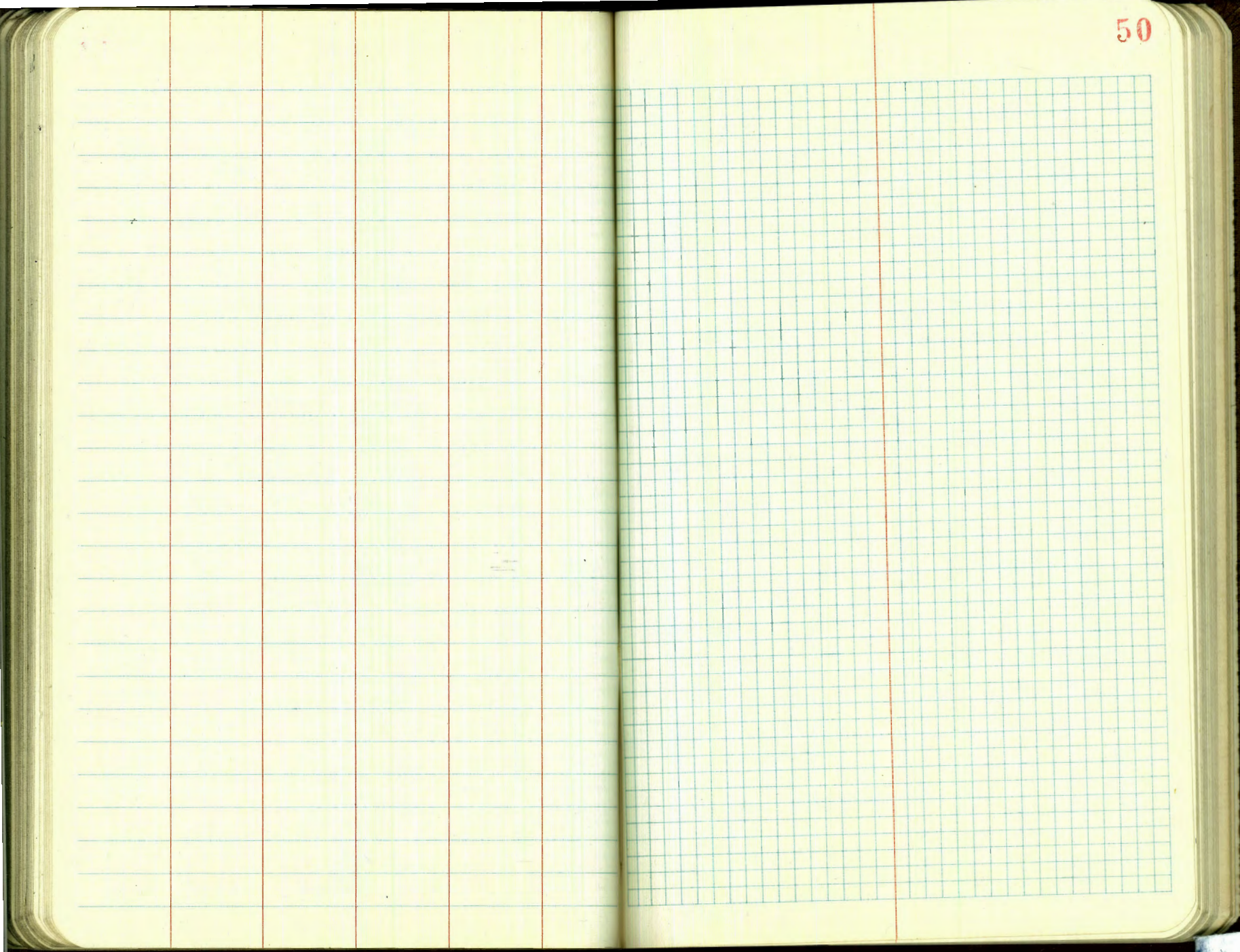


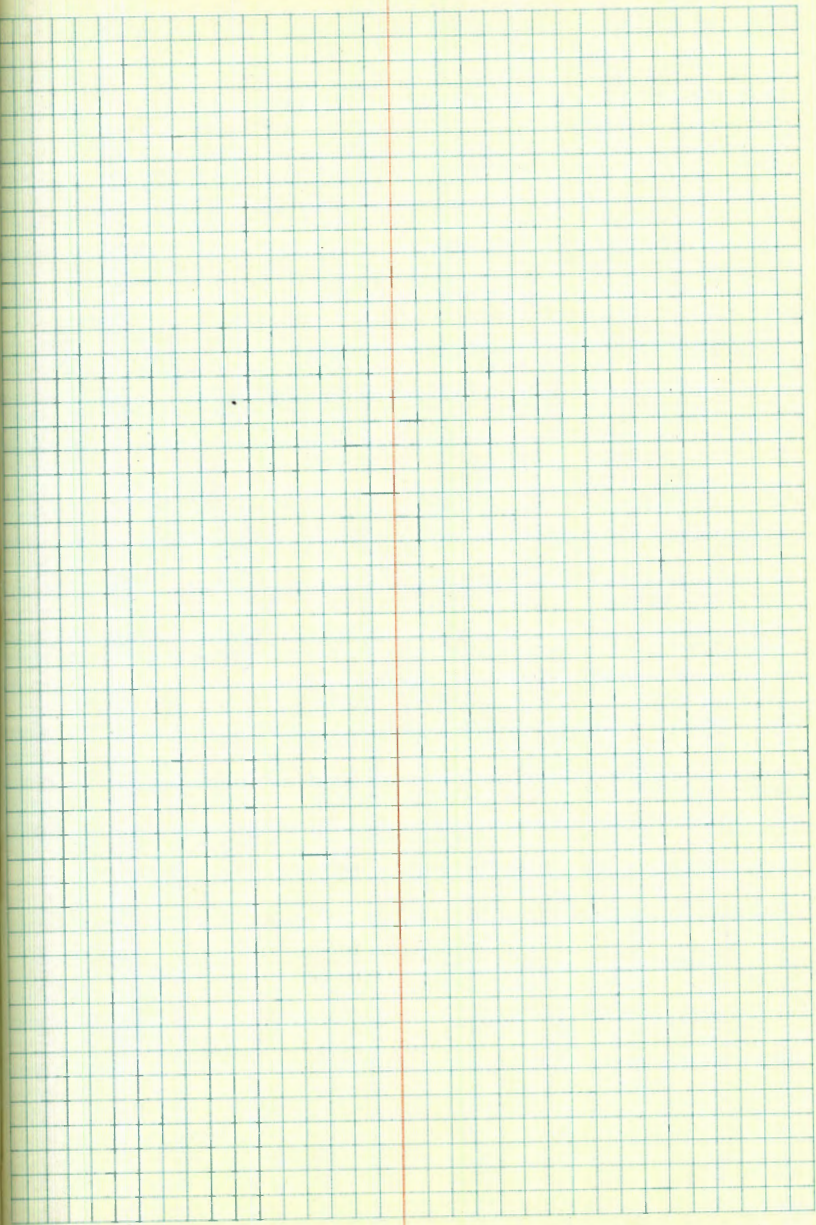
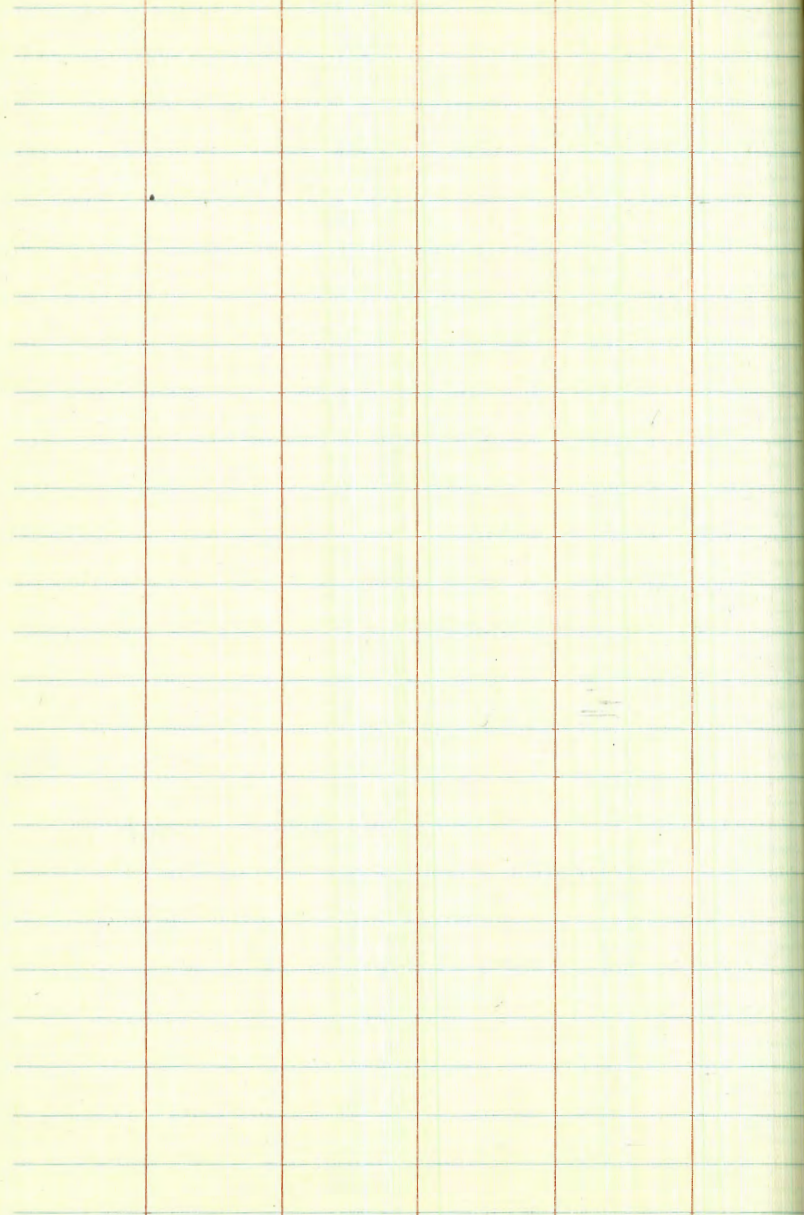
This page features horizontal blue lines for writing. It is divided into four vertical columns by three red margin lines. The columns are of equal width, and the margins are consistent on both sides.

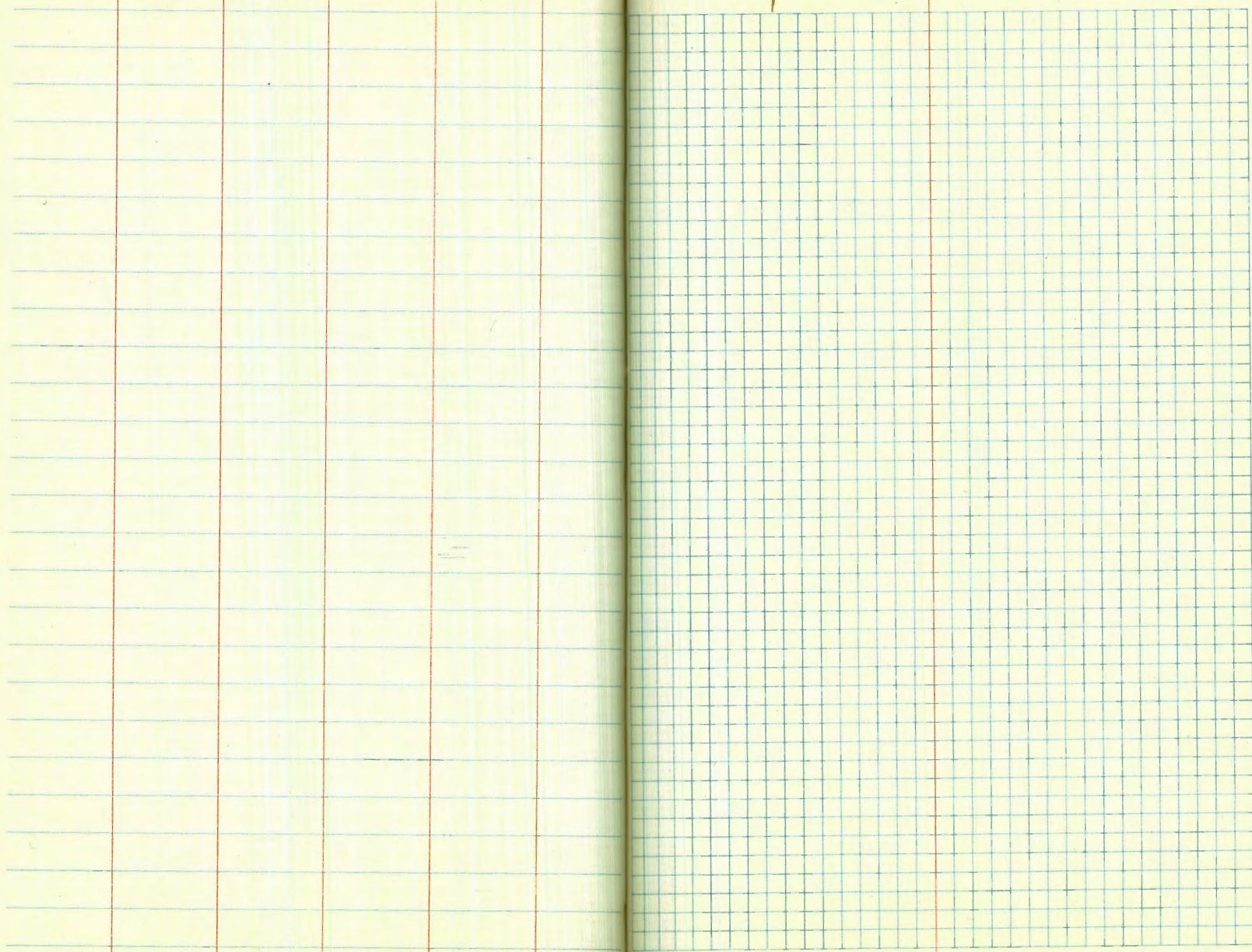
This page is a grid page with a green grid pattern. A single vertical red margin line is positioned on the left side of the grid. The grid covers the majority of the page area.

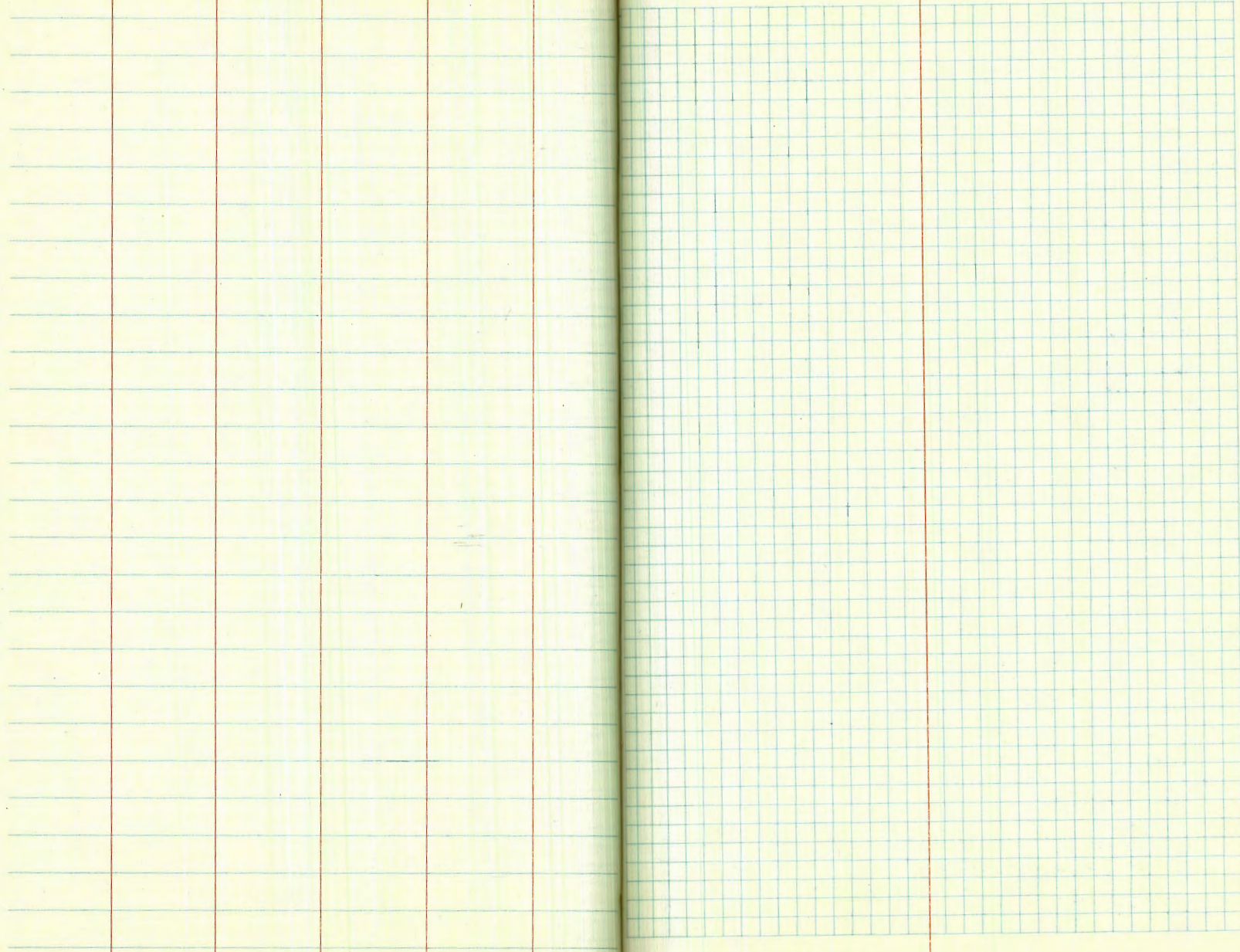


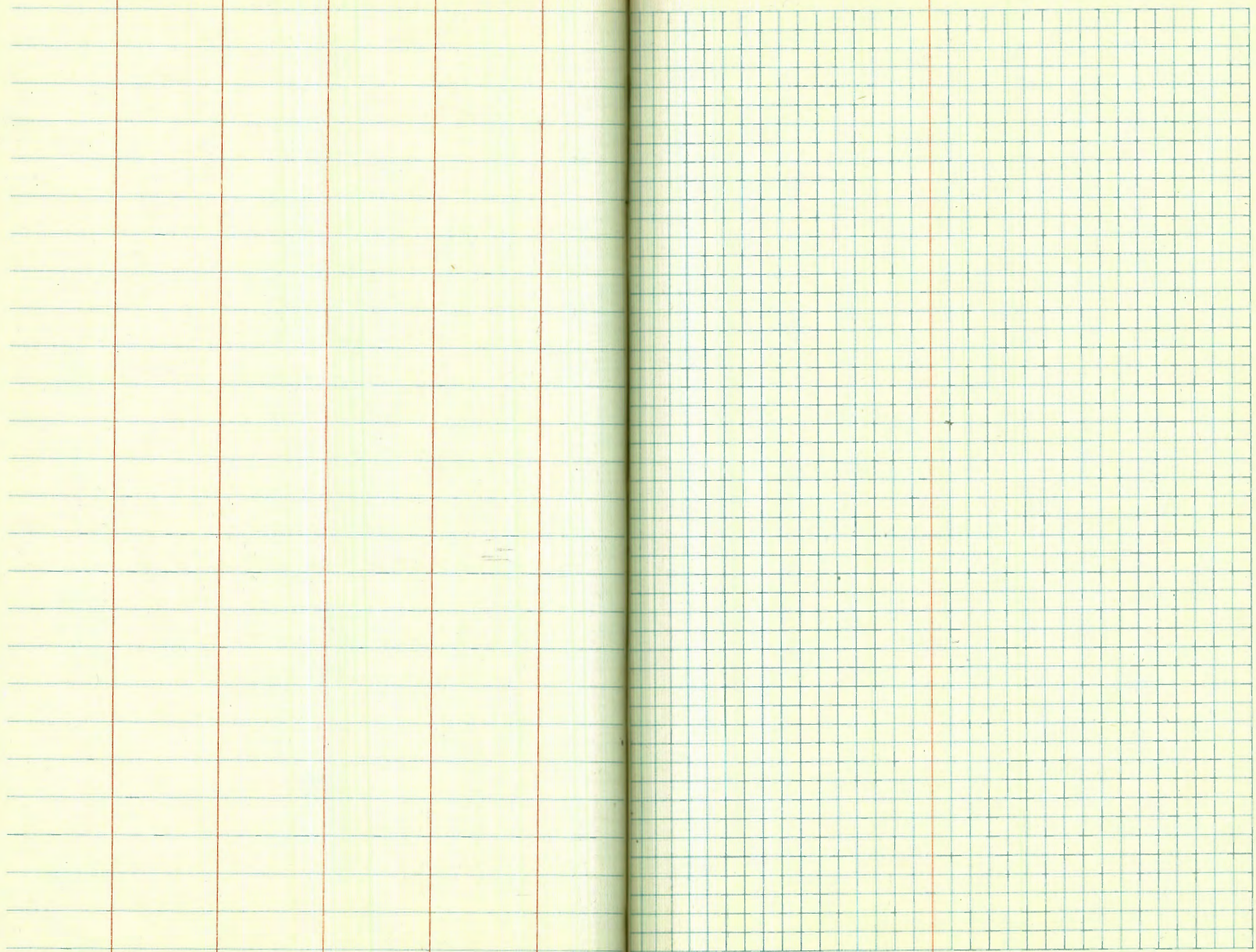


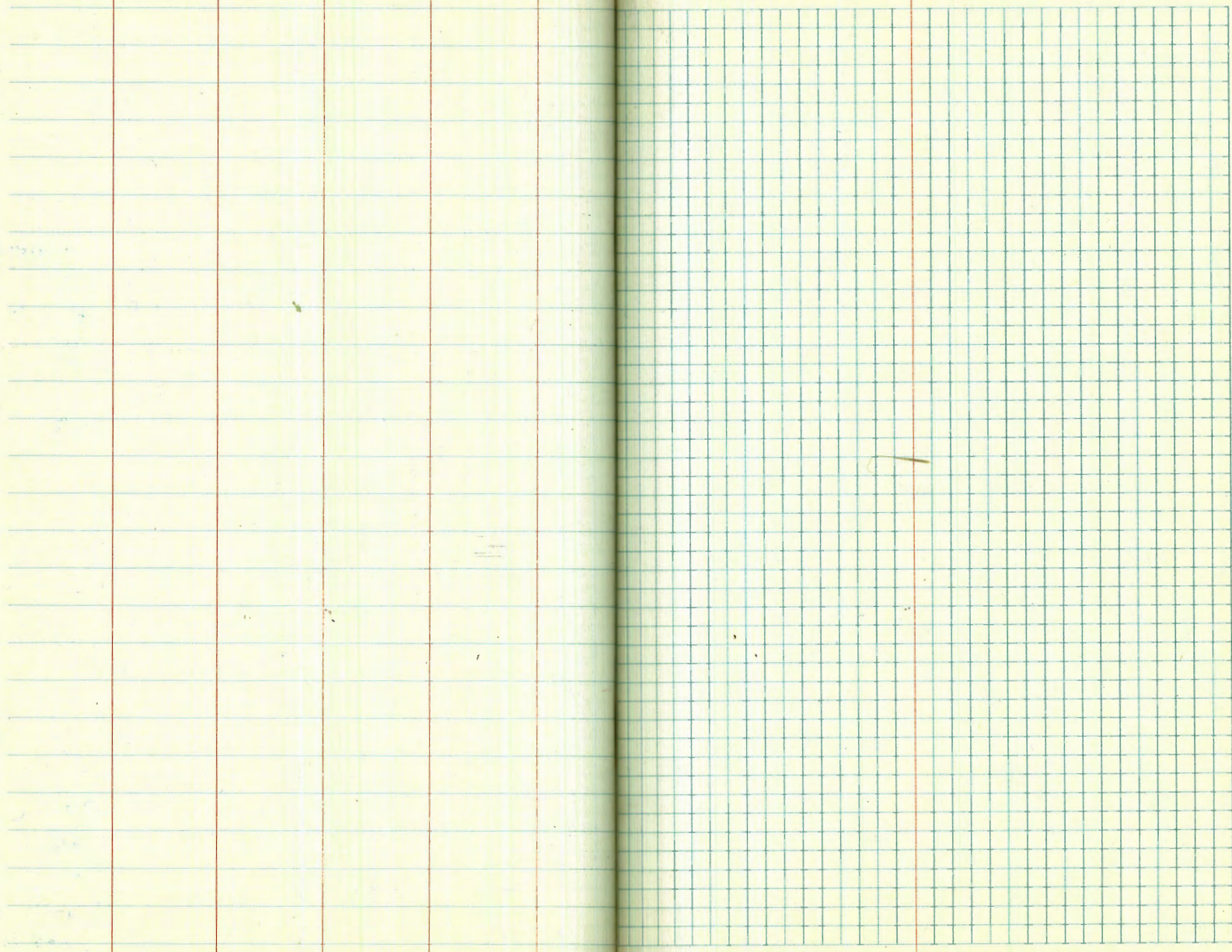


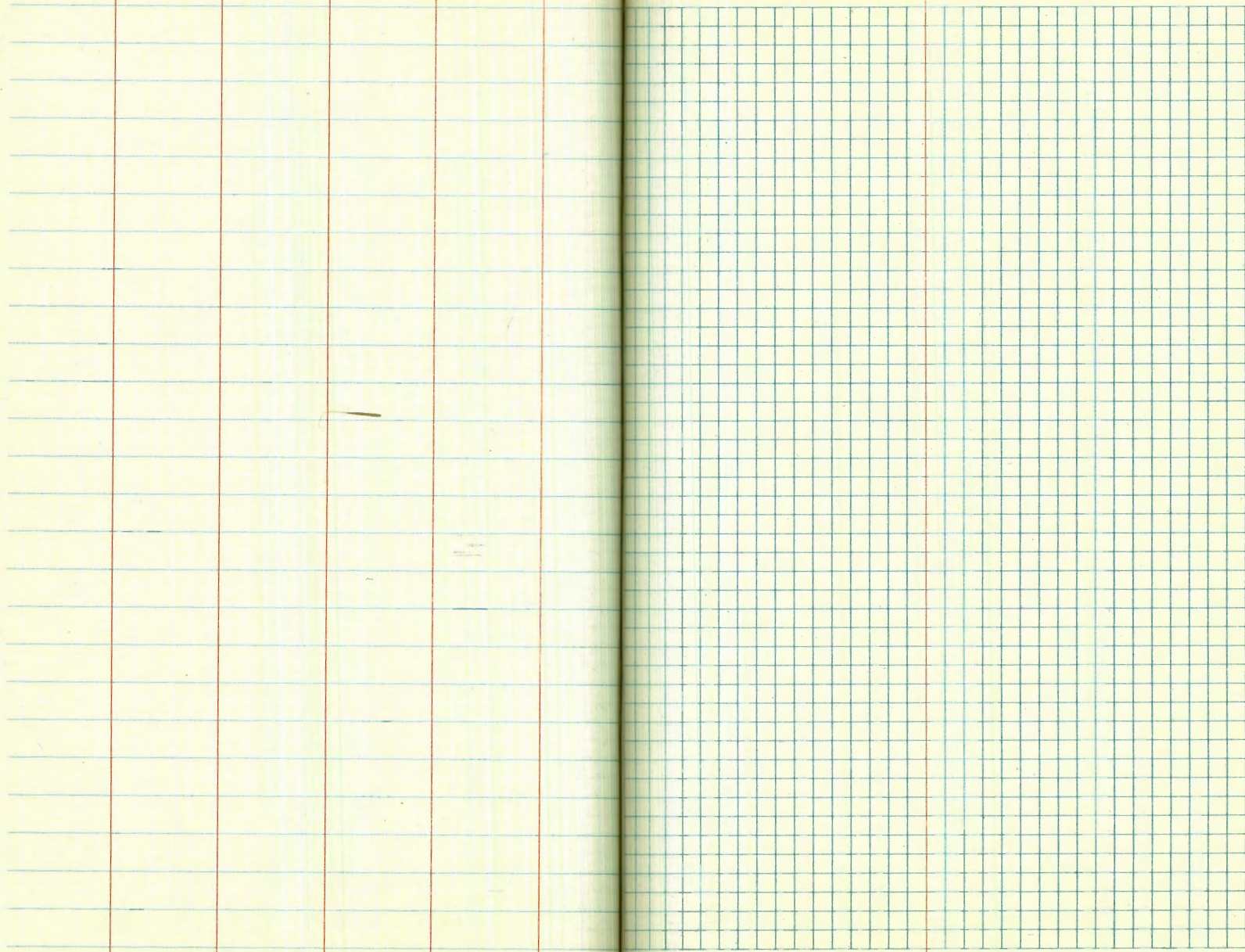


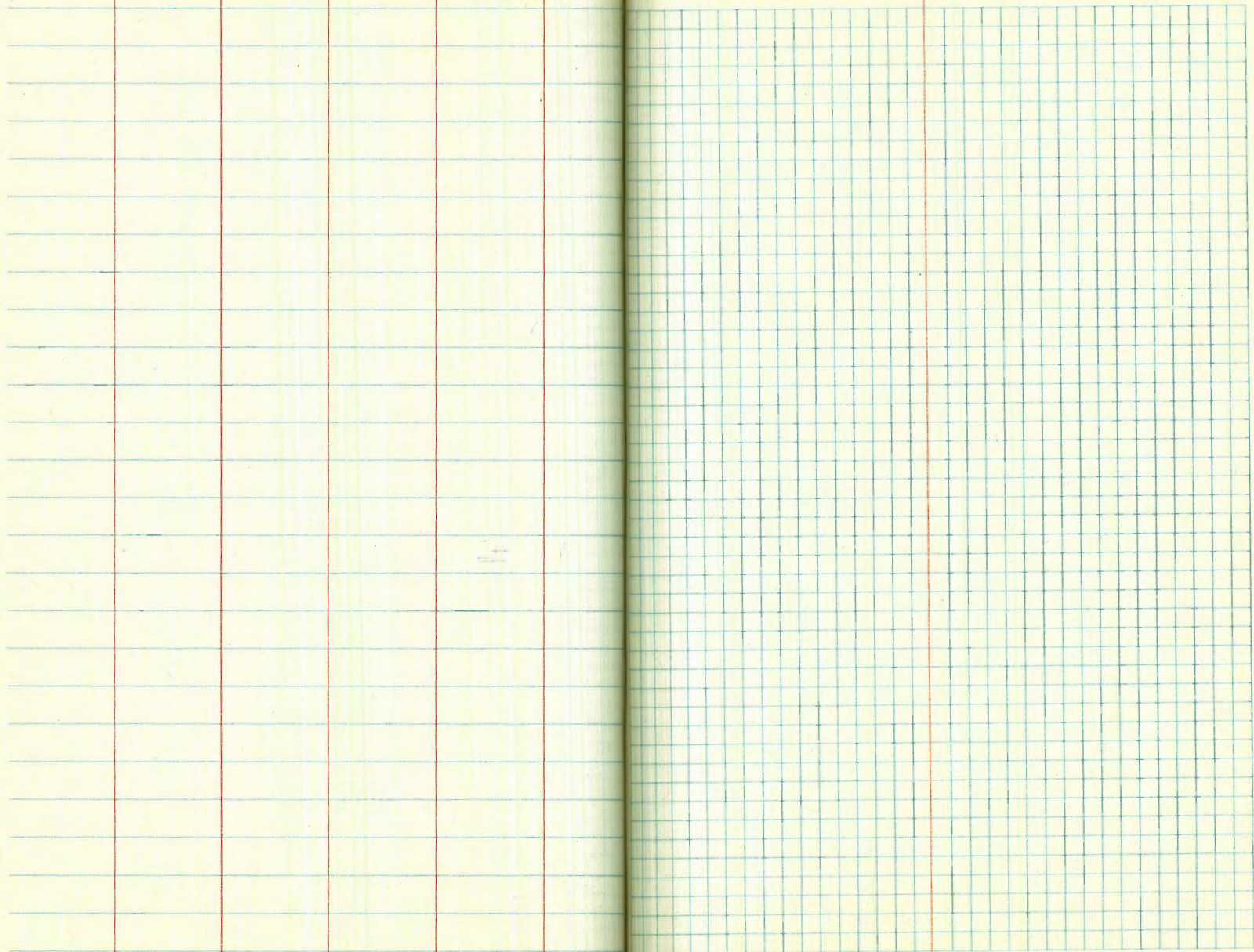


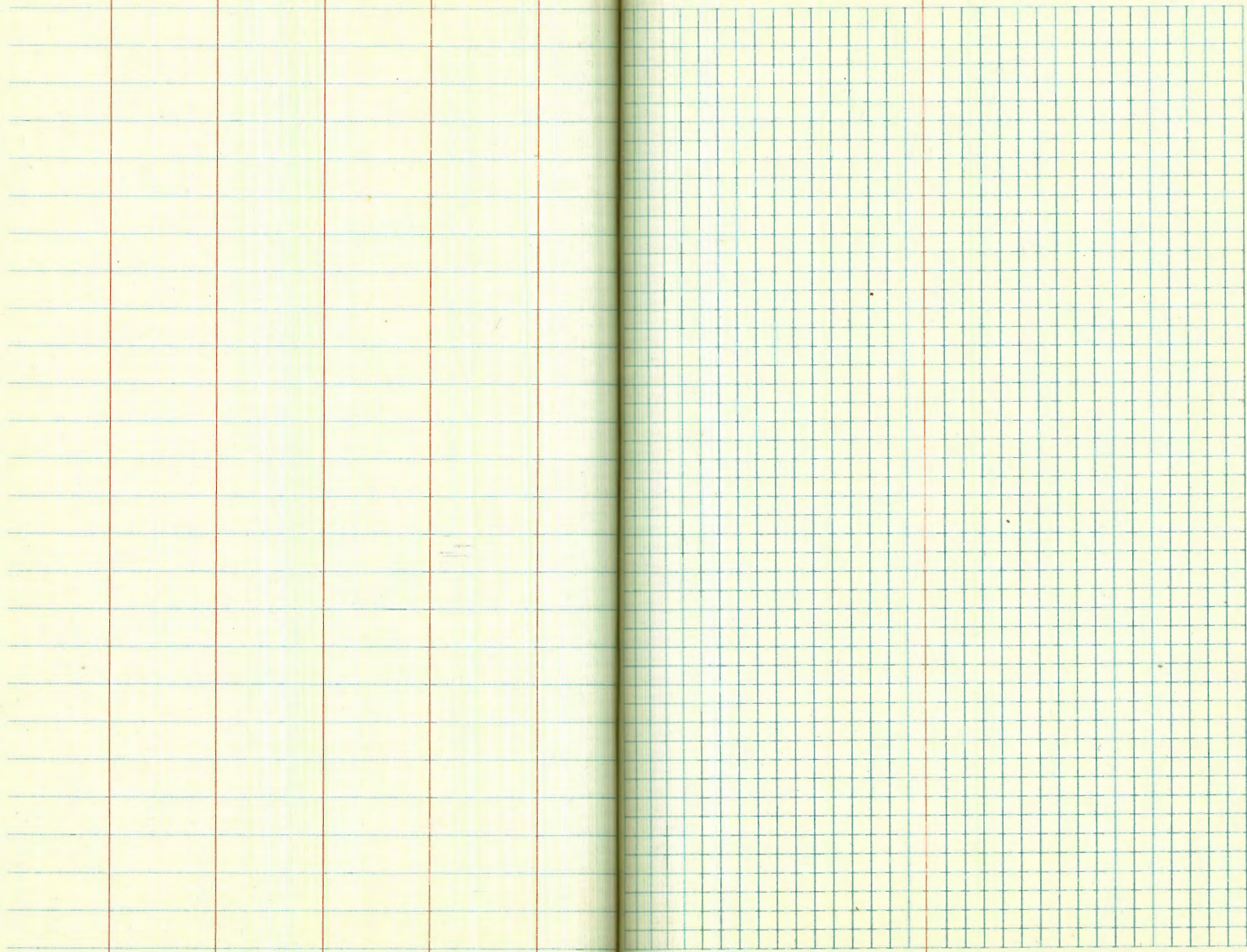


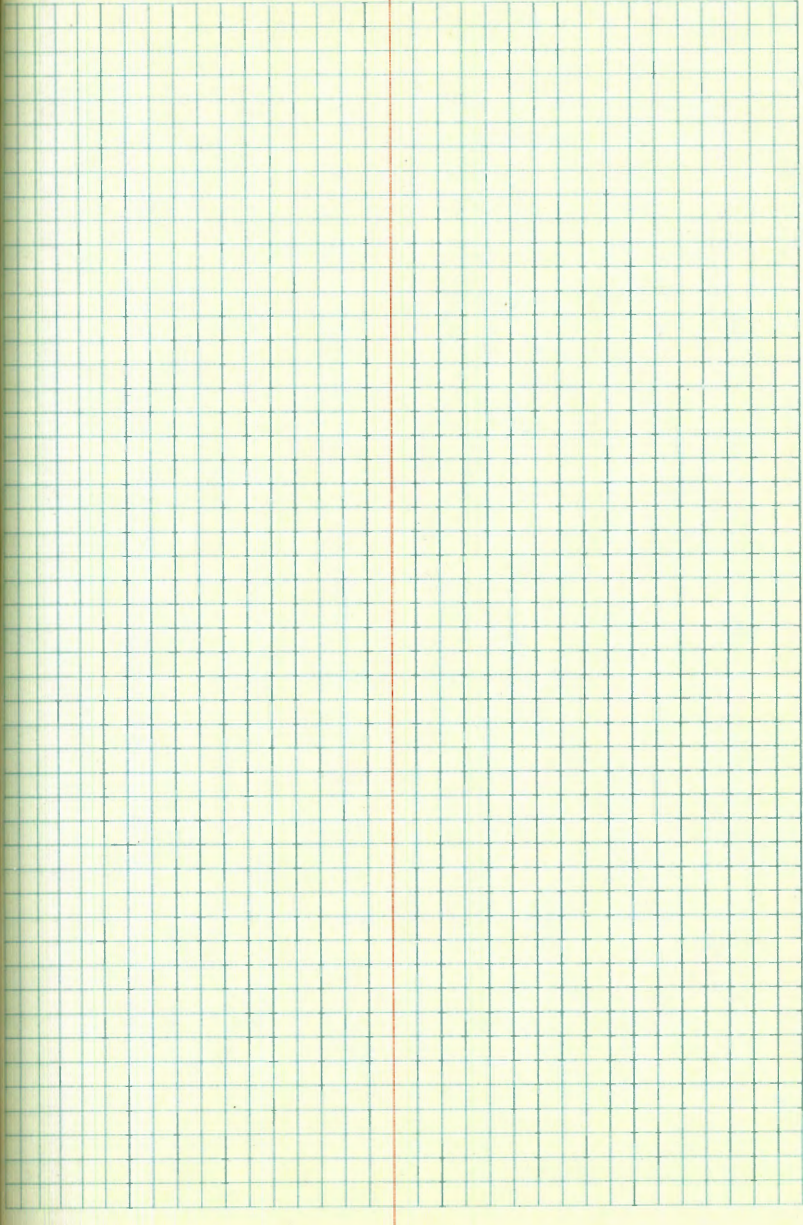
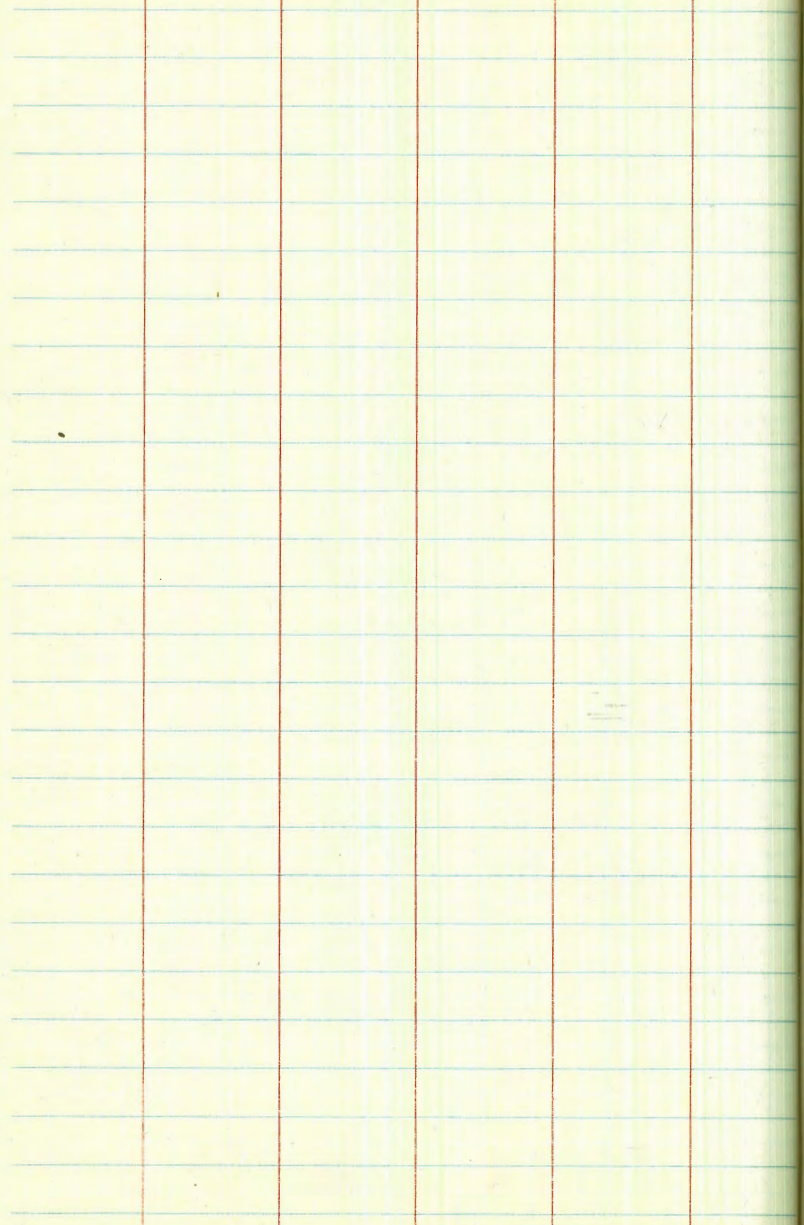




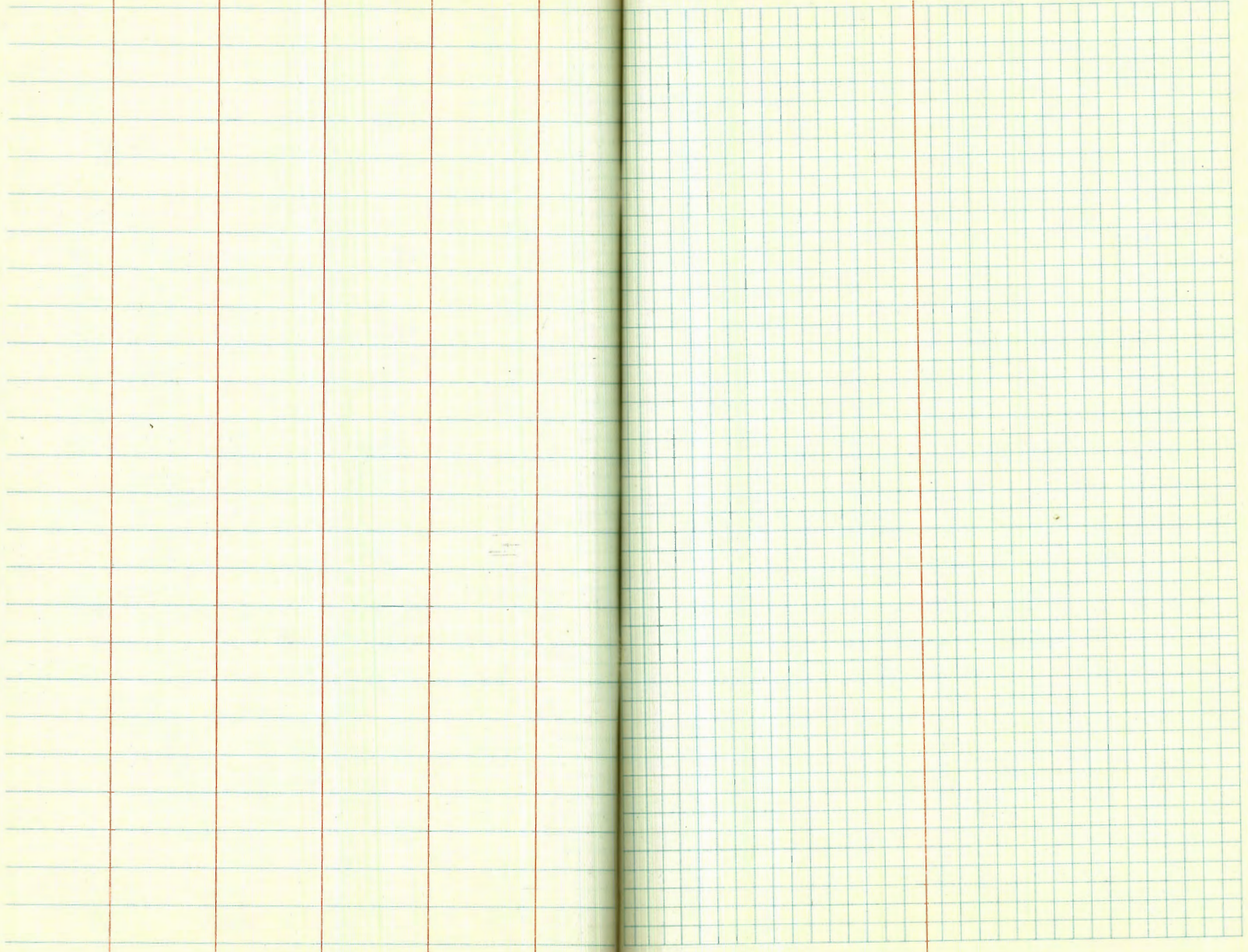


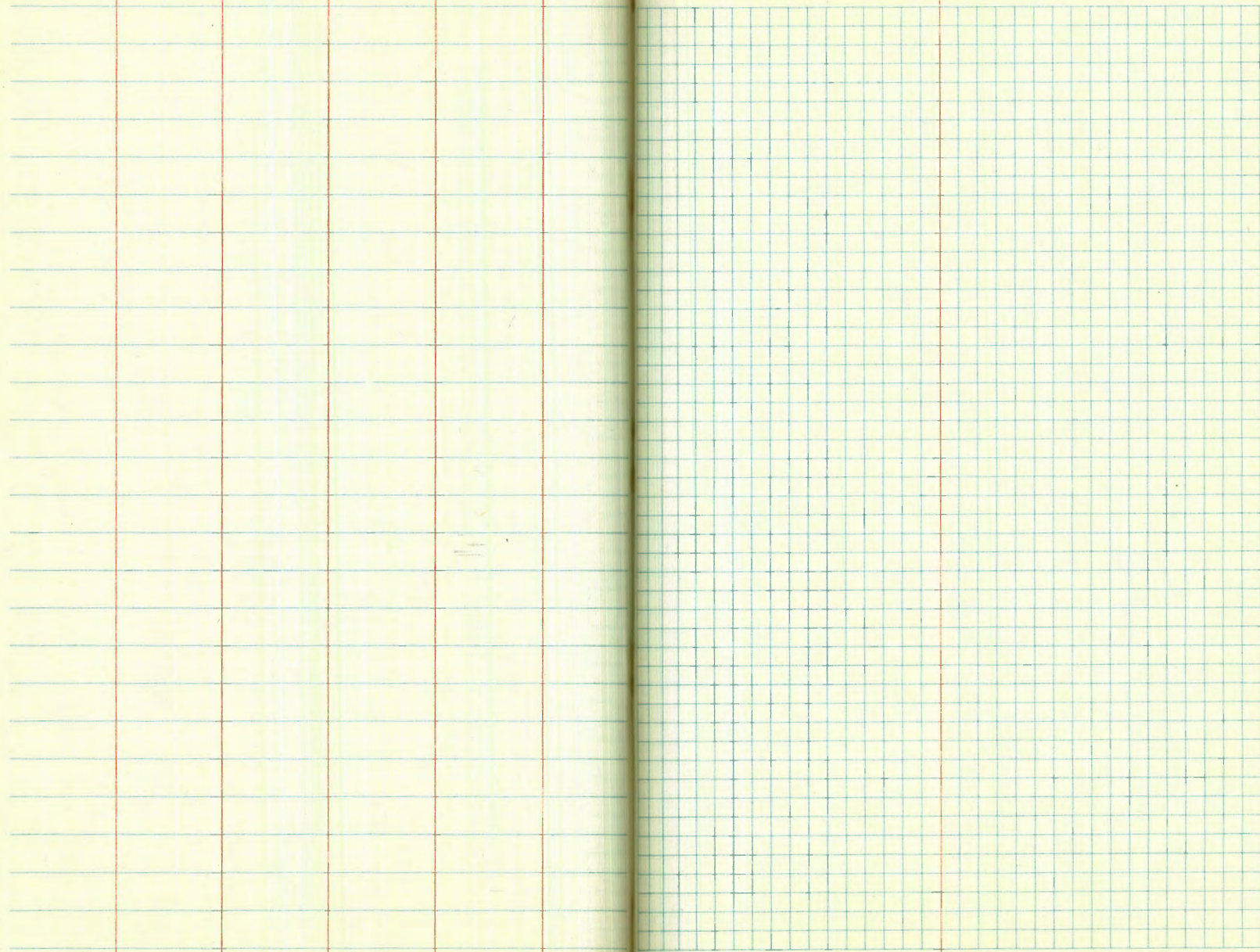


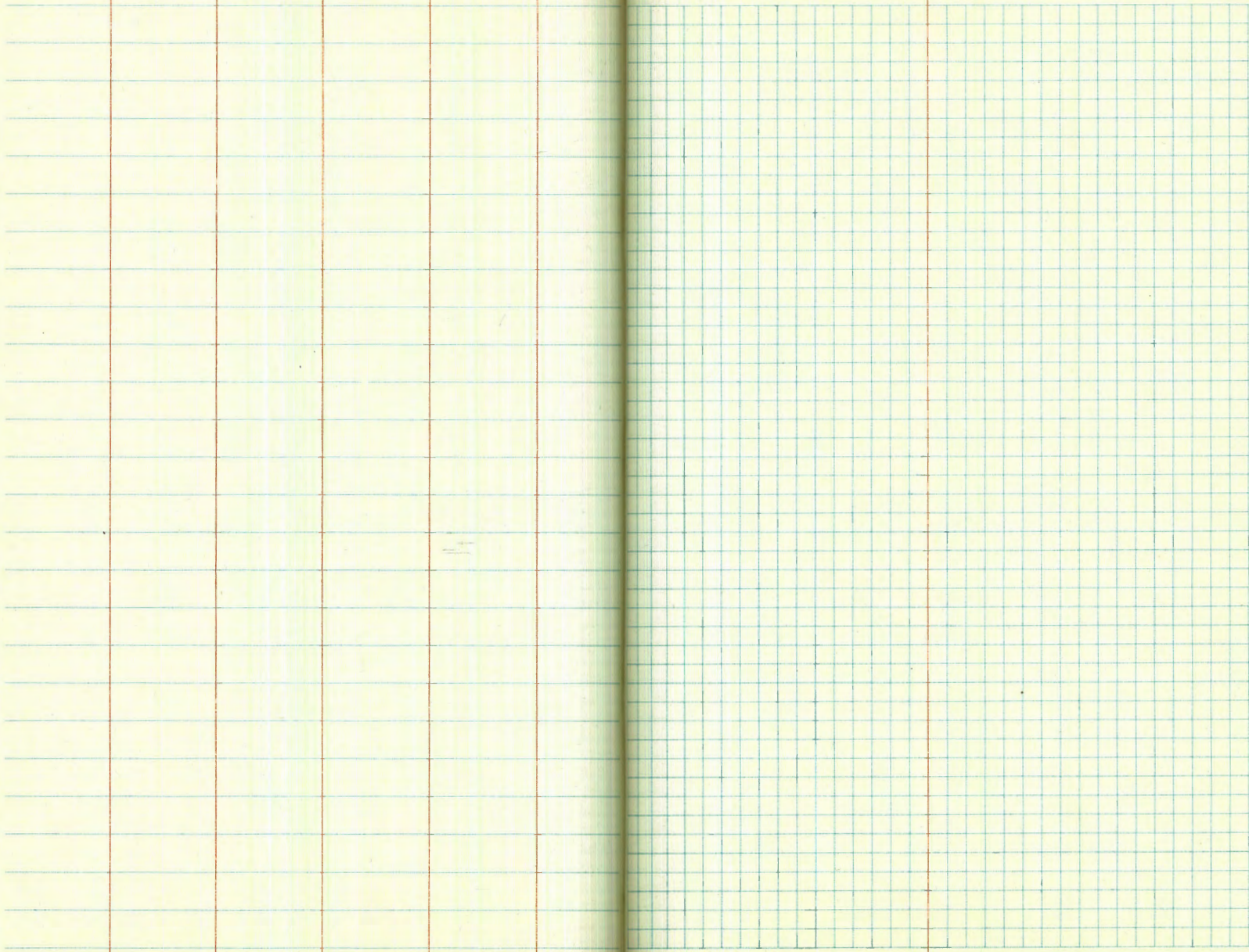




The page contains a grid of blue lines forming a table. The grid is approximately 20 columns wide and 30 rows high. A vertical red margin line is positioned on the left side of the grid, about one-fifth of the way across the page. The paper is yellowed with age.

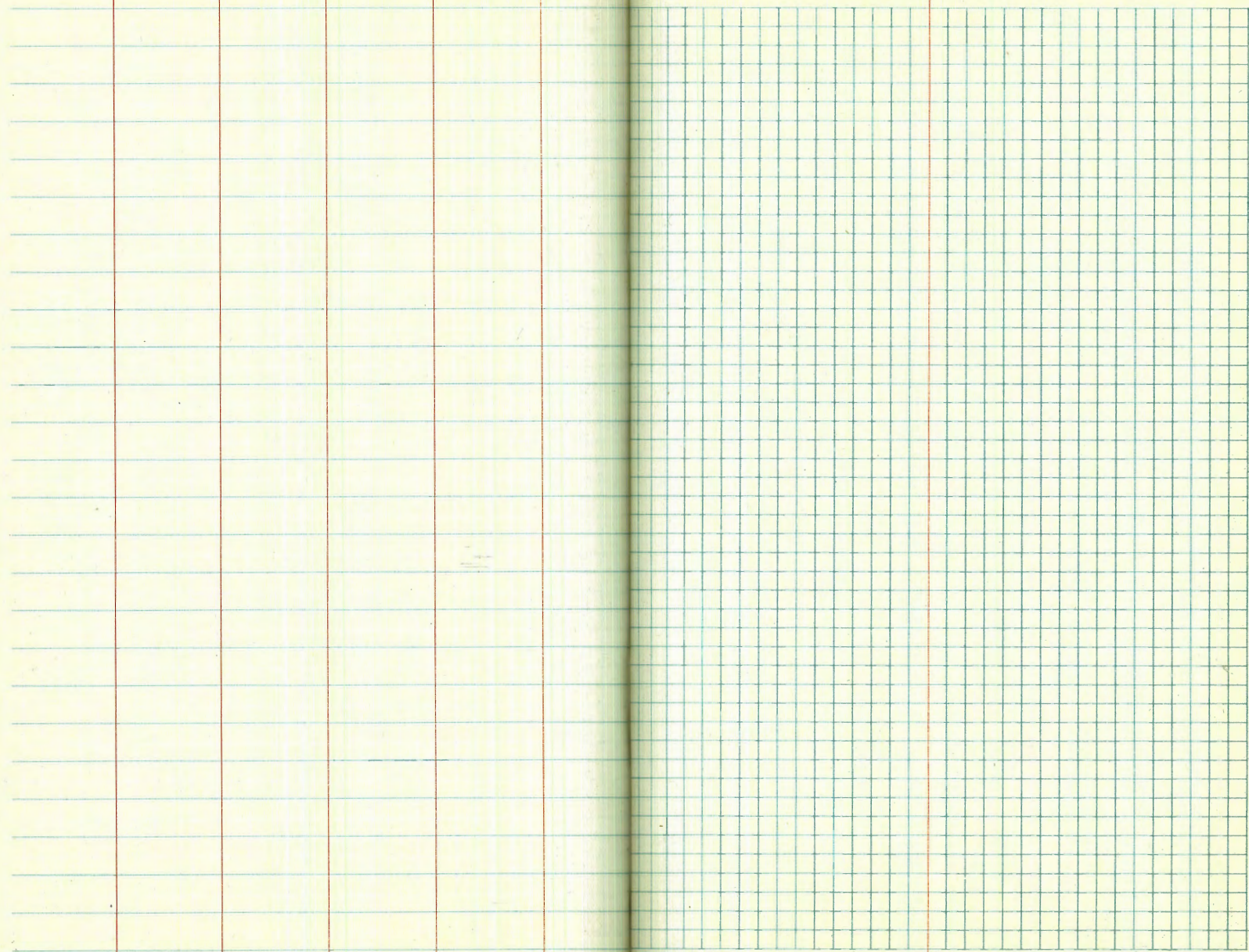






The image shows an open notebook with two pages. The left page is ruled with horizontal blue lines and has four vertical red margin lines. The right page is a grid of small squares, with a vertical red margin line on the left side. The page number '66' is printed in red in the top right corner of the right page.

The right page of the notebook features a grid of 20 columns and 20 rows. The grid is formed by light blue lines. The first column is significantly wider than the other 19 columns. The grid is empty.

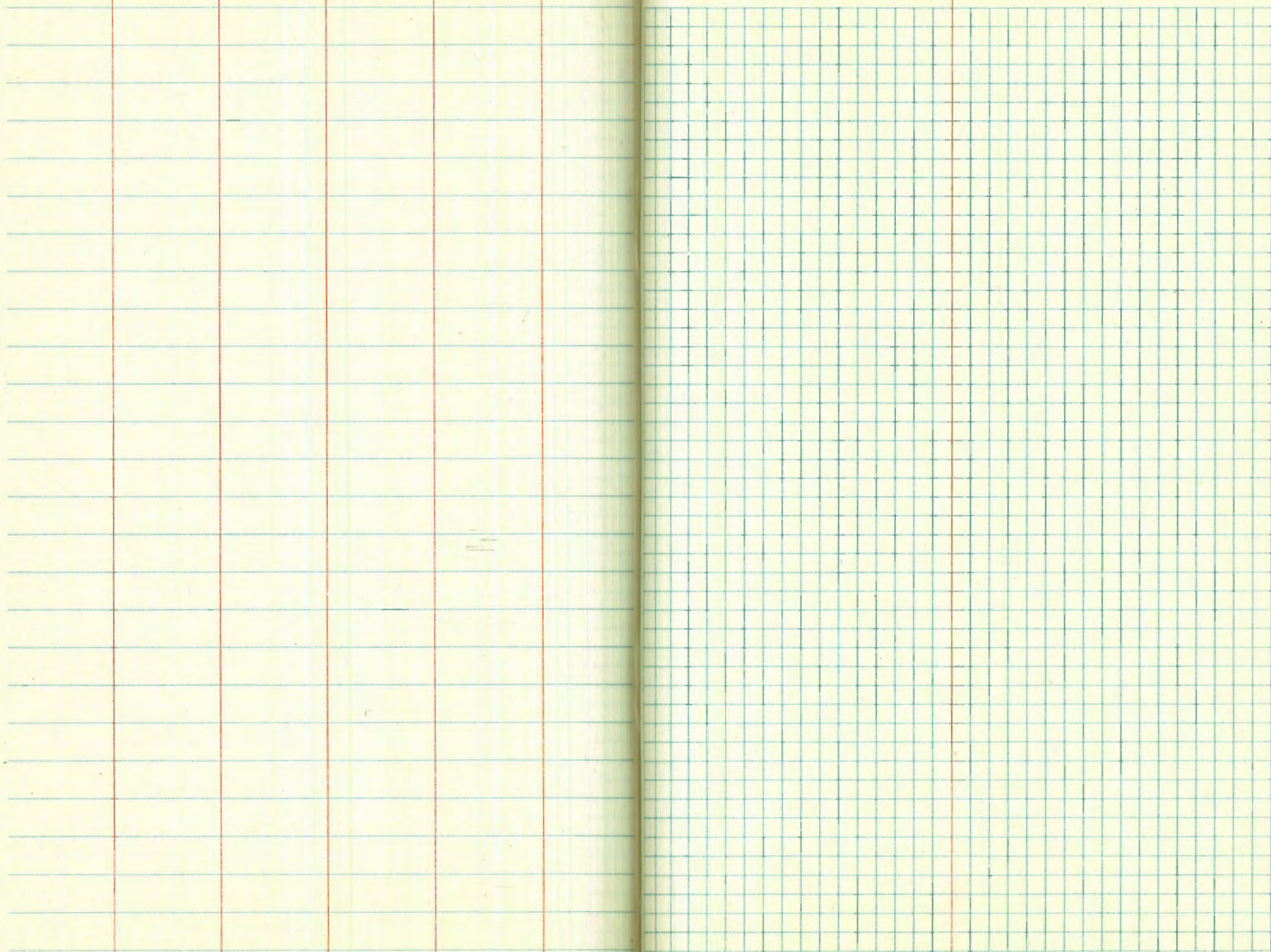


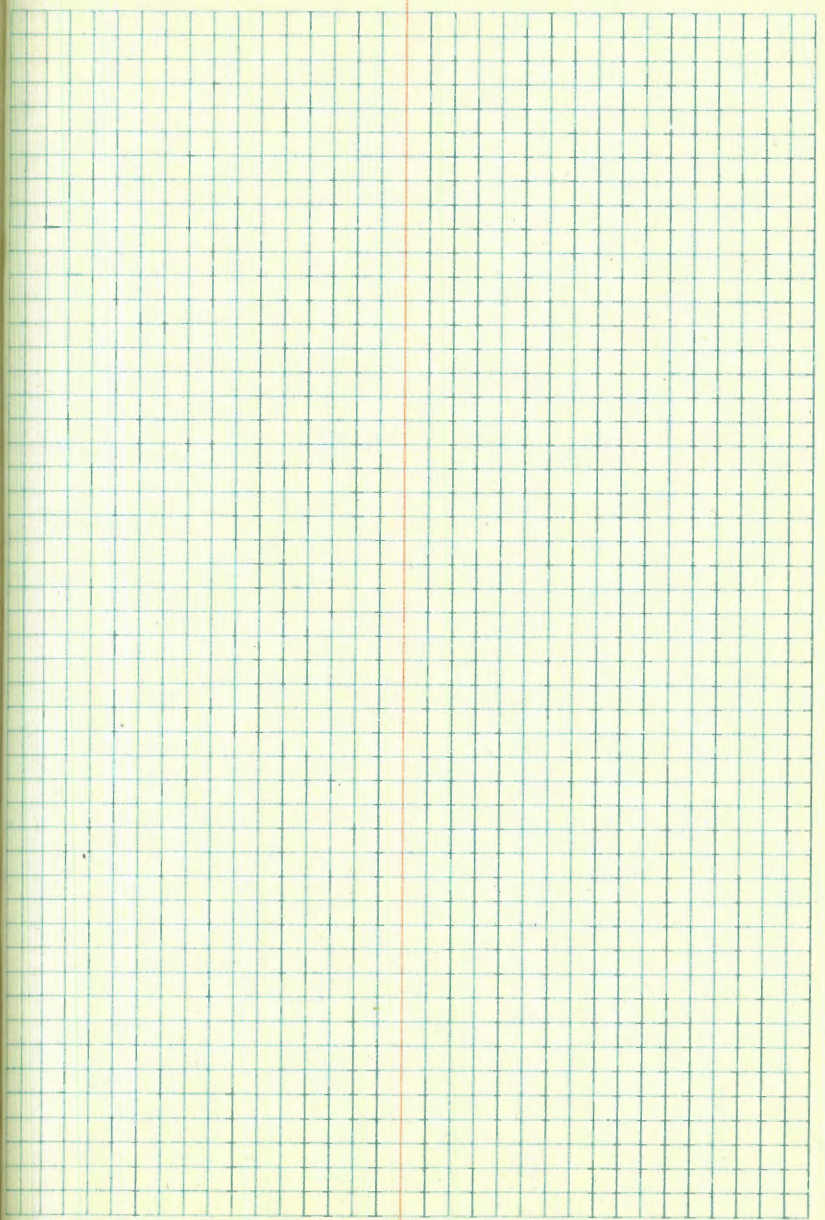
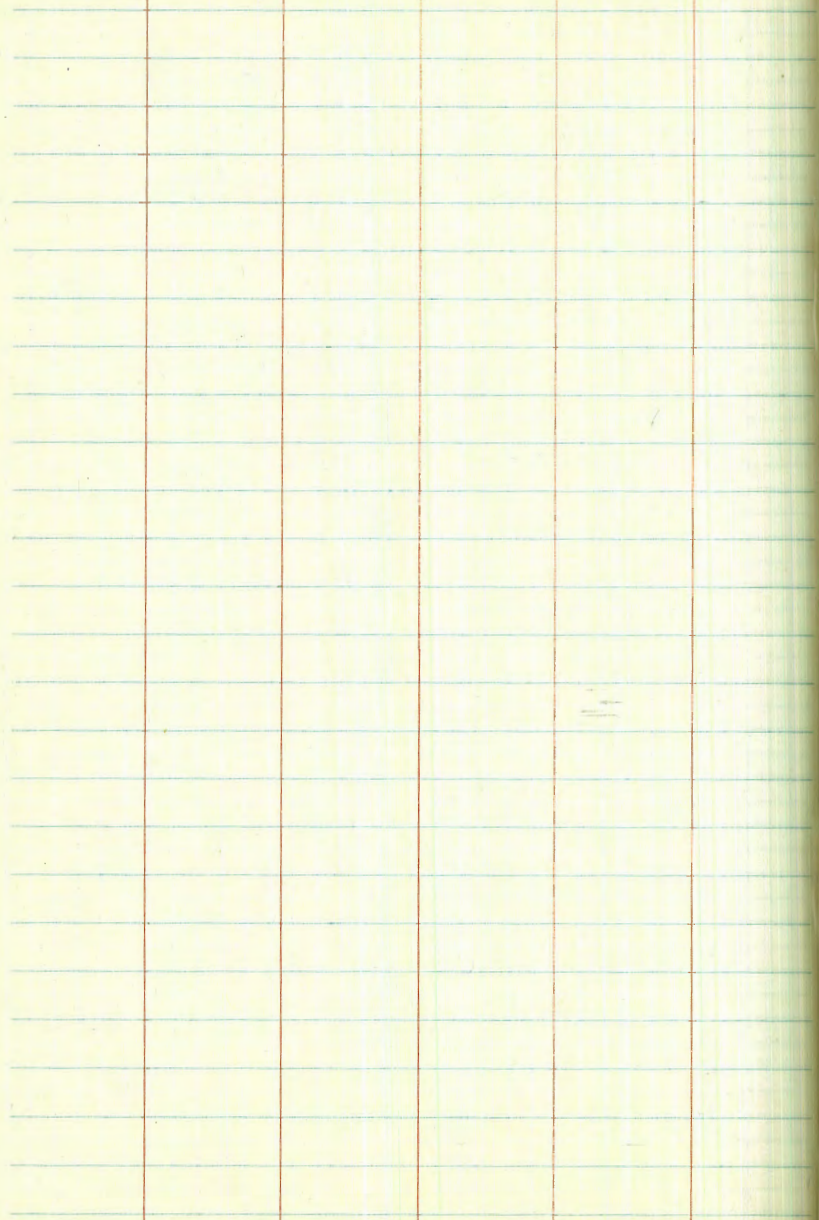
The image shows an open notebook with two pages. The left page is ruled with horizontal blue lines and has four vertical red lines. The right page is a grid of blue lines with a single vertical red line on the left side. The page number '69' is printed in red in the top right corner of the right page.

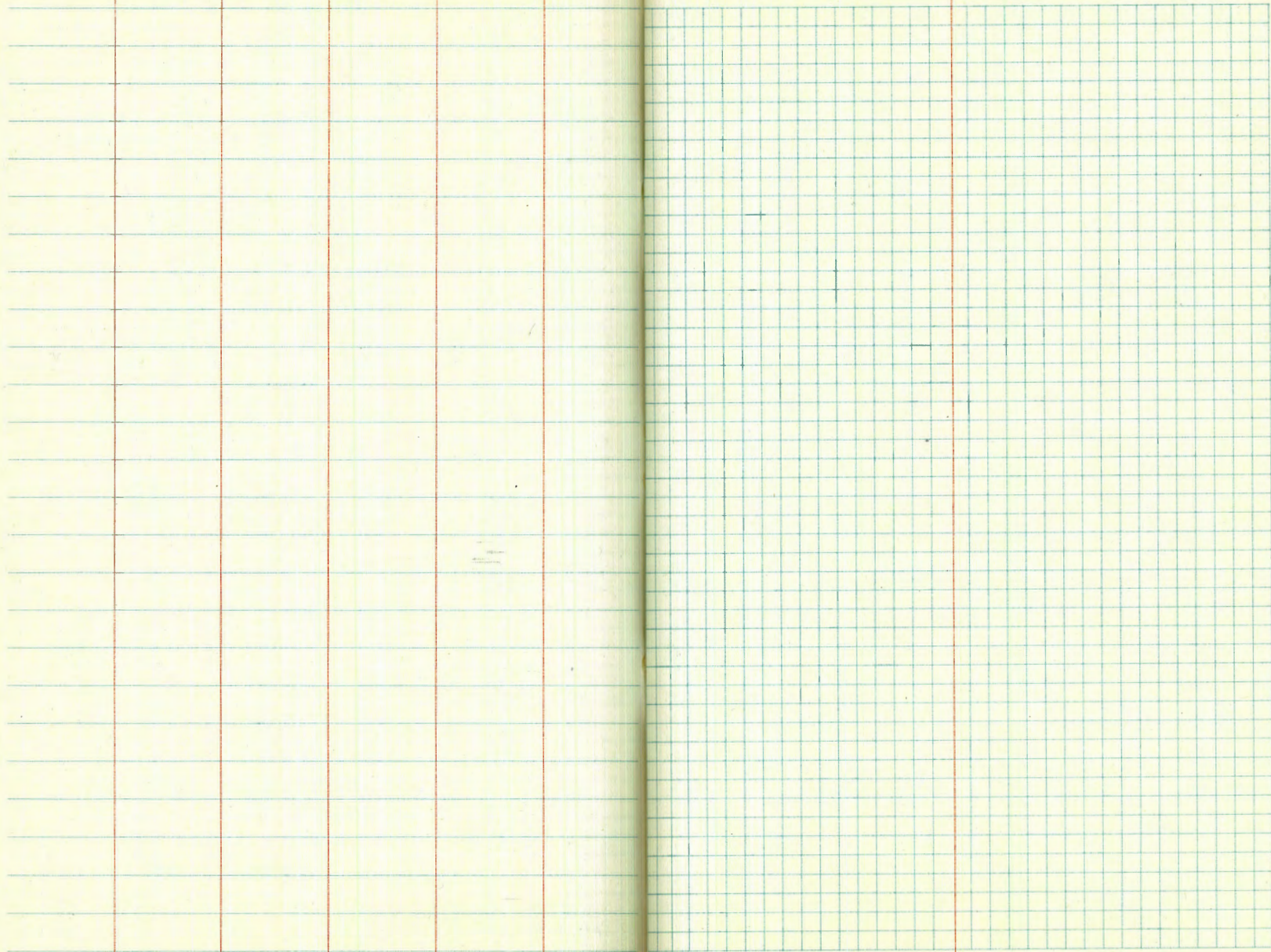
This page is a ledger-style page with horizontal blue lines and vertical red lines. It is divided into six columns of varying widths. From left to right, the columns are: a wide column for descriptions, a narrow column, a narrow column, a narrow column, a narrow column, and a wide column for numerical entries. The page is currently blank.

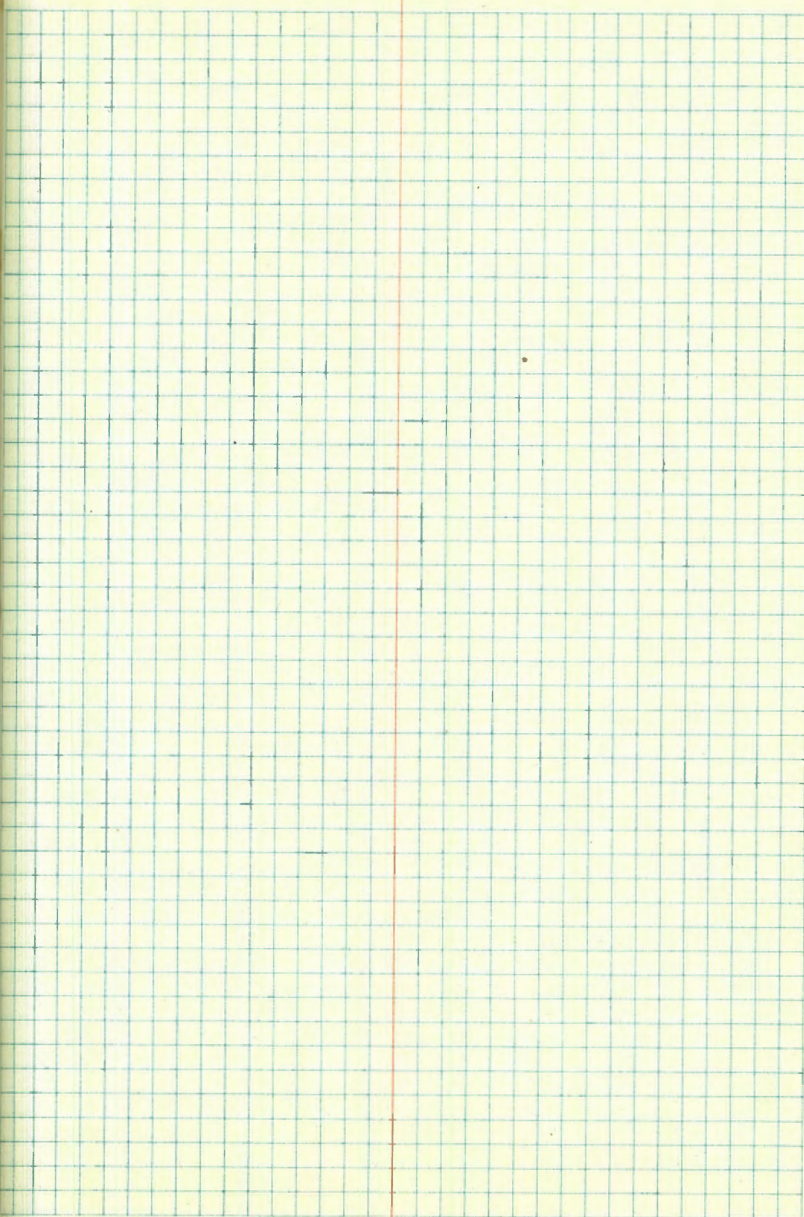
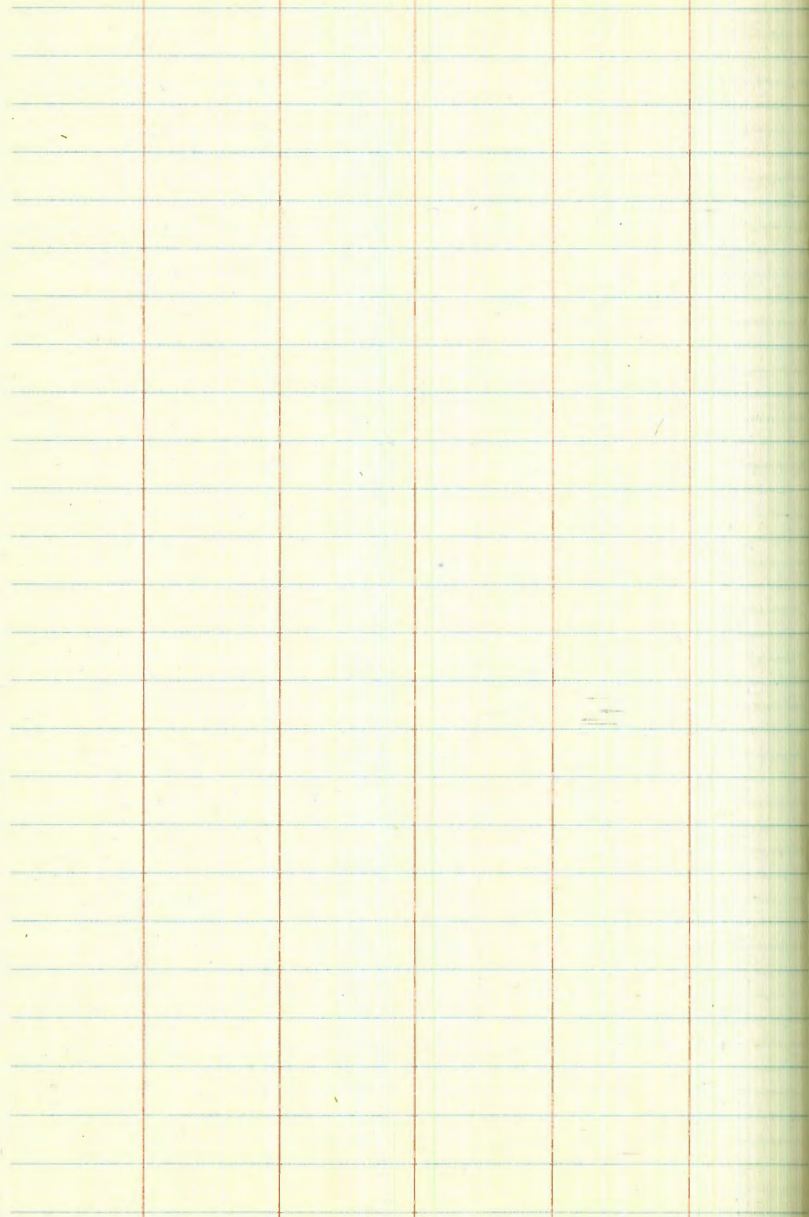
This page is a full grid of blue lines, typically used for graphing or detailed calculations. It consists of a uniform grid of small squares. A vertical red line is drawn down the page, approximately one-fifth of the way from the left edge, creating a narrow column on the left side. The page is currently blank.

The right page of the notebook features a grid of 20 columns and 20 rows. The grid is formed by light blue lines on a cream-colored background. A vertical red margin line is positioned on the left side of the grid, approximately one-fifth of the way across the page. The grid is empty and occupies the majority of the page area.

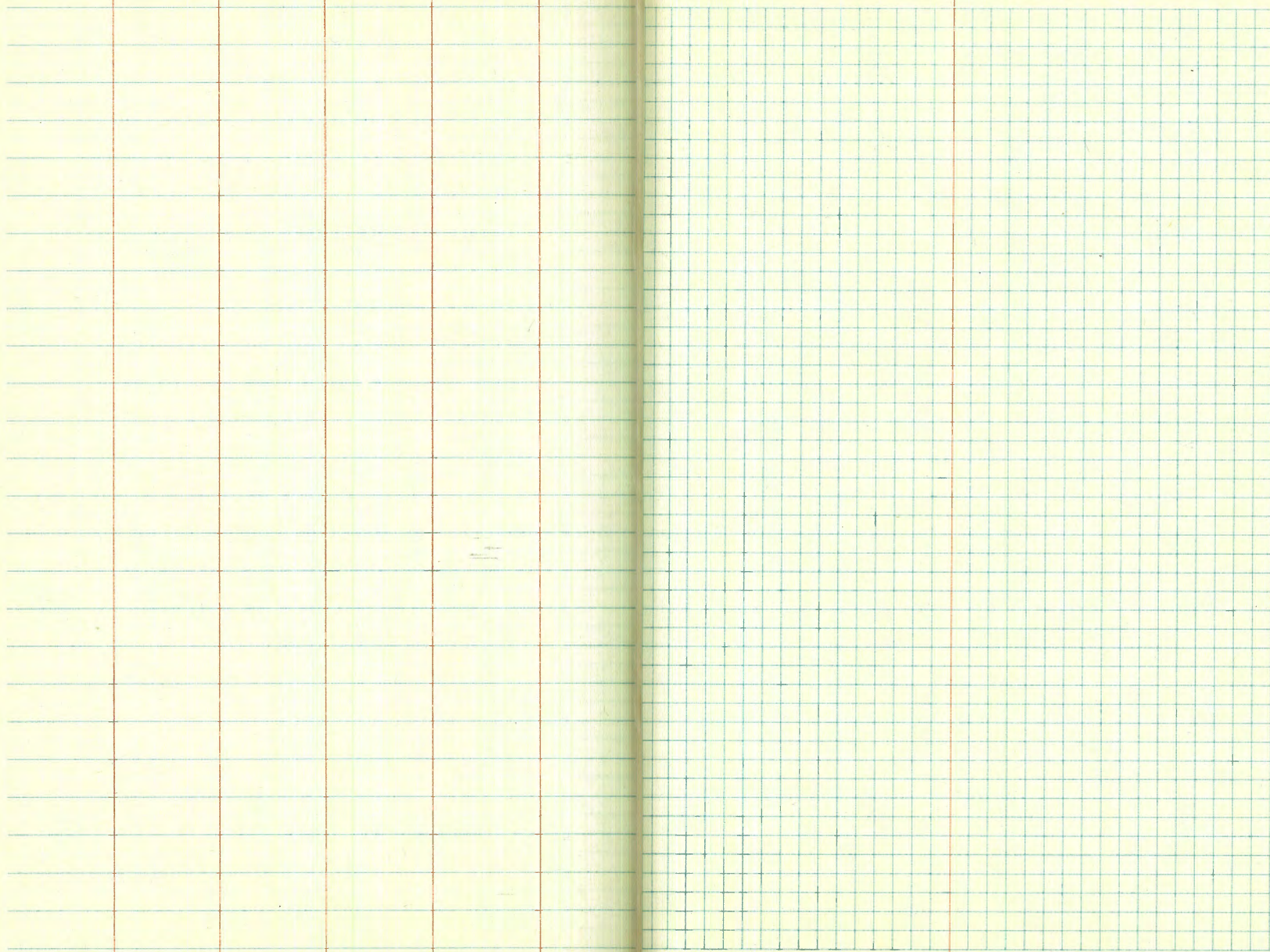


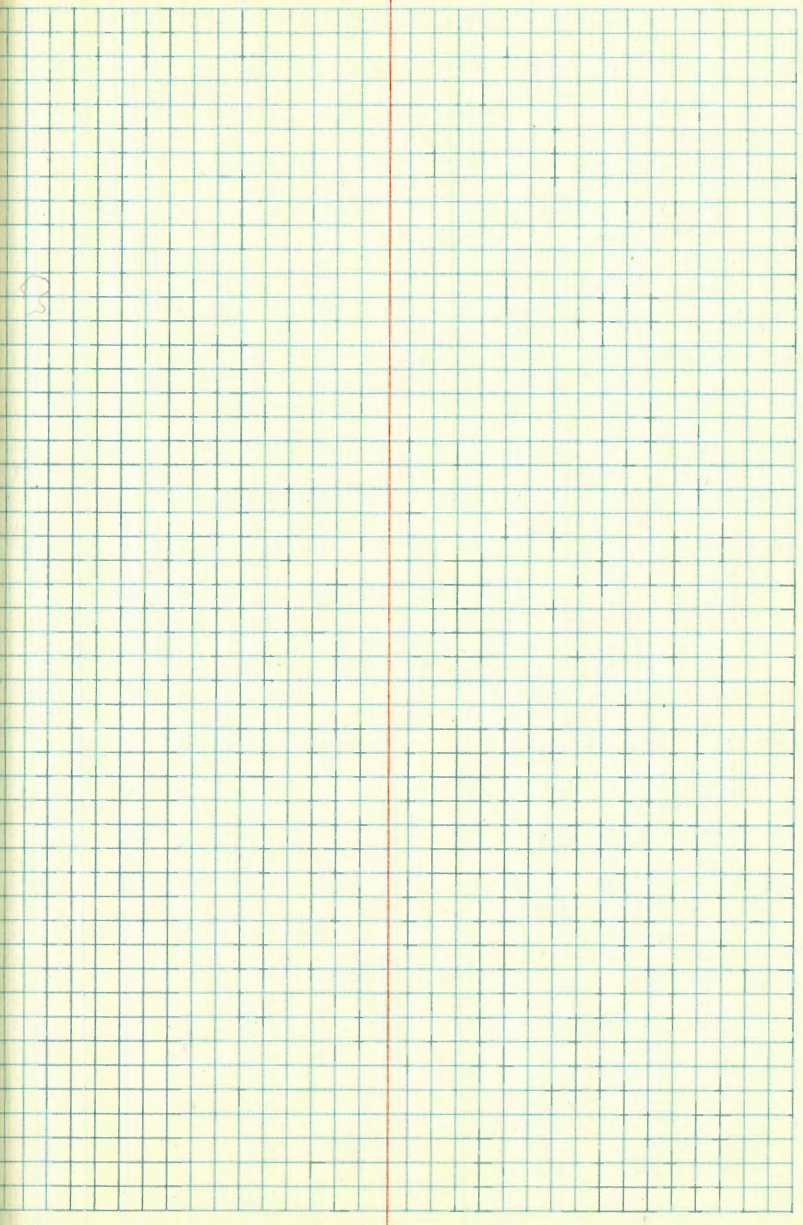




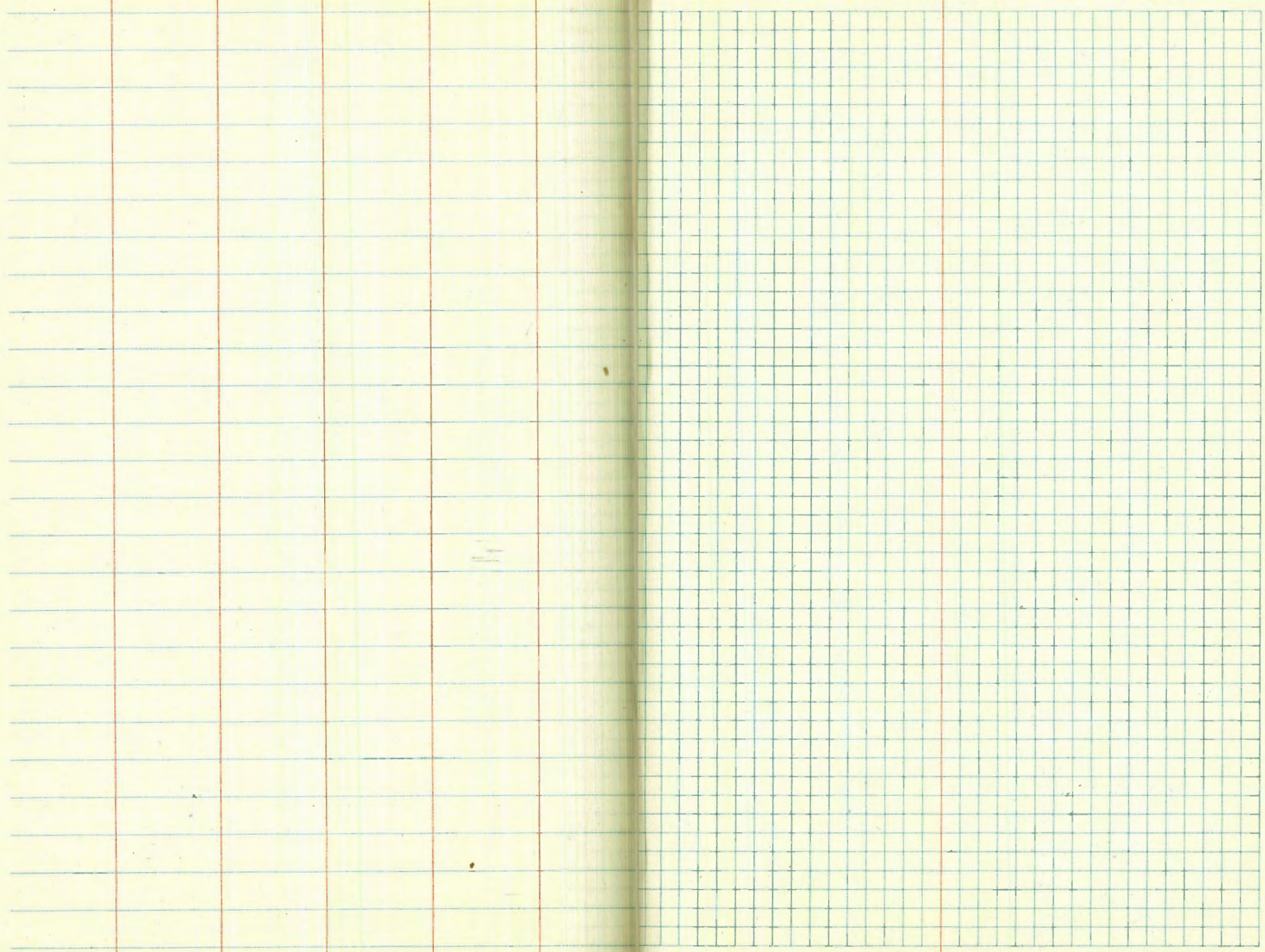


The image shows a ledger page with a grid of blue lines. A vertical red line is positioned on the left side, creating a margin. The grid consists of 20 columns and 25 rows. The page is otherwise blank.

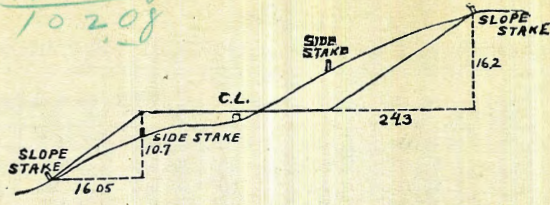




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DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

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
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31	46 50	46 65	46 80	46 95	47 10	47 25	47 40	47 55	47 70	47 85	31
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38	57 00	57 15	57 30	57 45	57 60	57 75	57 90	58 05	58 20	58 35	38
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40	60 00	60 15	60 30	60 45	60 60	60 75	60 90	61 05	61 20	61 35	40
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45	67 50	67 65	67 80	67 95	68 10	68 25	68 40	68 55	68 70	68 85	45
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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

Computed by L. Leland Locke.

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