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487

KEUFFEL & ESSER CO.

DRAWING MATERIALS

AND

SURVEYING INSTRUMENTS.

NEW YORK.

CHICAGO. ST. LOUIS. SAN FRANCISCO. MONTREAL

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.

"Copy No. 1895, by Keuffel & Esser Co."

MICROFILMED
Jan 13 1965

	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
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16	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	16
17	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	17
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	18
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	19
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	20
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	21
22	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	22
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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
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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.

487

Spillway Extension

Otto von Seggern

Oct. 13, 1934 to

Spillway Extension Inspection of Pages
Concrete Oct 13, 1934 to Dec 4 1934 14.39.

1/2/35 Blank. 40-69

Notes + Progress record 70-80

October 13, 1934

Transferred from R.C.
inspection work to
Baldwinhamer Spillway Extension
work by J.W. Williams Res. Engineer

The following Daily work reports
are entered in Field Book # 488

Oct. 13 Saturday
Oct. 15 Monday
Oct. 16 Tuesday
Oct. 17 Wednesday
Oct. 18 Thursday
Oct. 19 Friday transferred
to this book

Oct. 19, 1934 #1 Shift

Spillway Extension

Finishing 7⁰⁰ to 3 = 7hrs.

1-Finisher 5x cement?
2-Laborers

Chipping Concrete Wall to base

2-Laborers 8⁰⁰ to 4 = 7hrs.

9+00	10+90
"	24 ⑤
9+24	11+16
" ②	24 ⑥
9+48	11+40
" ③	24 ⑦
9+72	11+64
" ④	24 ⑧
9+96	11+88
" ⑤	24 ⑨
10+20	12+12
" ⑥	24 ⑩
10+44	12+36
" ⑦	24 ⑪
10+68	12+60
" ⑧	
10+92	

Oct. 19, 1934 #2 Shift

Spillway Extension

Start 4:15 Finish 12:45 = 8hrs.

65x (a) 5 Batches 1:2 Grout. 30 Sx

65x (b) $\frac{44 \text{ Batches } 1:2:4 \text{ Mix}}{49}$ $\frac{264 \text{ Sx}}{294}$

9 Sections Poured.

1- 65x Mixing Plant & Batchers & Crane

1- Crane

1- Truck & Skips

1- Foreman

1- Crane Operator

1- Truck Driver

4- Laborers.

Finishing 7:00 to

1- Finisher

1- Helper

3
46
49
Construction

Oct. 20, 1934 #1 Shift

Auxiliary Tank ordered for 65x mixer.

Spillway Extension

Start 8:30 a.m. Finish

(65x (a)) Batches 1:2 Grout

(65x (b)) Batches 1:2:4 Mix

18 Sections poured.

1- 65x mixing plant, Batchers & Crane

1- Crane

1- Truck & Skips

Dump Trucks

1- Hoist & Trolley

1- Foreman

1- Mixer man

1- crane man

1- Hopper man

1- Cement man

Cone Delivery

1- Hoist man

1- Hopper man

Finishing 1- Finisher
1- Helper
11 Sx (last week)
14 Sx (this week)
25

Haunt Process

1- Outfit & laborer

10:00 to

8:30 to

See
Sx Road
Report
Sx for
Totals.

✓
Oct 20, 1934

Spillway Extensions

Concrete Continued

Crane & Skips System 8³⁰ to

Concrete Delivery

1 - Truck Driver

Placing 1 - Crane Operator

4 - Men

Clean up

1 - Laborer 8⁰⁰ to

Truck & Buggy System

Concrete Delivery

1 - Dump Truck & Driver

Placing 2 Laborers

✓
Oct 20, 1934 #2

3

Finishing

1 - Finisher 12³⁰ to

See Mr. Reed's Daily Work Report

for total Batch Count of

#1 & #2 Shifts

604 (a) 9 Batches 1:2 Grout 54 sq.

654 (b) 99 Batches 1:2 1/4 Mix 594 sq.
648 ✓

108 Total wall

12 #2 Shift on floor (Reed)

11 #1 on floor (Fred)

131 Total

Oct 22, 1934 #1

(Sunday 21)

1/2" Sample No 3369

3/4" Sample No 3370

Concrete Samples ✓

3371-72-73 Sidewalks

Oct 22, 1934 #1

Foreman 4

EB

Start 12⁵⁰ Finish 3⁰⁰ = 7 1/2

Sidewalk Concrete

1- 65' Mixing Plant & Crew

1- ^{Dump} Truck Hopper & Buggies

1- Foreman

1- Truck Driver

1- Laborer

Placing 4- Men

1- Finisher ^{7 hrs} 65' cement

1- Helper

65x (a)	²⁺¹⁼³ 3	Batches 1:2 Grout	18	Sx
65x (b)	12	Batches 1:2:4 Mix	72	Sx
	15		90	

3- Sections

Oct. 22, 1934 #2

Spillway Extension

1- Finisher 2⁰⁰ to

1- Helper.

Concrete Start 3⁰⁰ pm Finish 11³⁰

1- 65x Mixing Plant + Crew.

1- Foreman

Core Del. 1- Truck Hopper + Buggies

1- Truck Driver

Placing 4- Laborers.

65x (a) $\frac{3}{6}$ Batches 112 Crout. $\frac{36}{78}$ 5x

65x (b) $\frac{12}{29}$ Batches 1:2:4 Mty. $\frac{174}{210}$ 5x

$\frac{20}{35}$

Read time of labor only.

1 $\frac{3}{6}$ Sections poured

Finishing

1- Finisher

1- Helper.

Foreman E.E.

Oct. 23, 1934 #1 Shift

EB 5
Foreman

Start 7⁰⁰

Finishing 7⁰⁰ to 3

1- Finisher 4x cement

1- Helper

Chipping Core 7⁰⁰ to

3 Laborer.

1- Finisher 9⁰⁰ to

1- Helper.

Ham Process 10³⁰ to

1- Laborer + Outfit.

Clean up 7⁰⁰ to

1- Laborer

Oct. 23, 1934 #1

Spillway Ext. Conc.

Start 9³⁰ Finish 2³⁰

1- Mixing Plant & Crew

1- Crane

1- Truck & Skips

1- Foreman

1- Truck Driver

1- Crane Operator

4- Laborers

(a) 4 Batches 1:2 Grout 5x

(b) $\frac{35}{39}$ Batches 1:2:4 Mix 5x

No. 11 Sections Poured

Oct. 23 #2 Reeds

5 (a) 1 Batches 1:2 Grout 30 5x

$\frac{46\frac{1}{2}}{51\frac{1}{2}}$ (b) $\frac{11\frac{1}{2}}{12\frac{1}{2}}$ Batches 1:2:4 Mix $\frac{299}{309}$ 5x

$\frac{39}{51\frac{1}{2}}$

Oct. 24 1934

Bolt Lengths Hopper Measurements

$\frac{2.61}{25}$ ①
2.86

1300 Sand

$\frac{2.54}{25}$ ①
2.77 SW

$\frac{2.68}{25}$ ①
2.93

$\frac{11\frac{1}{2} + 1''}{Rocks}$

$\frac{2.59}{25}$ ①
2.43 2.5

1300 Sand + .25 = 1400 Sand

$\frac{2.73}{25}$ ①
2.92 ②

$\frac{2.74}{25}$ ①
2.79 ②

$\frac{2.78}{25}$ ①
2.78 ②
① Oct 24
② Oct 25

$\frac{2.77}{25}$ ①
2.82 ②

✓
Oct. 24, 1934 #1 Shift

Spillway Extension

Concrete 8⁰⁰ to 9³⁰ 30.2 ^{11.5} _{2.5}
12⁰⁰ to 2³⁰ 7

1- Mixing Plant & Crew

1- Truck & Skips

1- Crane

1- Foreman

Conc. Del 1- Truck Driver

Placing 4- Laborers

No 5 Sections poured

6.25 4 Batches 1/2 Grant 24 sq

6.25 18 Batches 1.2 x 1.2 108 sq
132

22

✓
Oct 24, 1934 #1 Shift

Spillway Extension

Finishing 7⁰⁰ to

2- Finishers 35x

1- Helper

Clean up 7⁰⁰ to 8⁰⁰ = 1

9³⁰ to 12⁰⁰ 2
1- Foreman 3

5- Laborers

Wetting & Clean up

1- laborer 7⁰⁰ to 2³⁰ = 7 hrs

Oct 24, 1934 #2 Shift
Spillway Extension So. Side
Concrete 2³⁰ to 6³⁰ 8⁰⁰

- 1- Mixing Plant & Crew
- 1- Truck & Skips
- 1- Crane & Operator
- 1- Foreman
- 1- Truck Driver
- 4 Laborers
- 1- Finisher

Sections Paused

Continued
65x @ 6 2 Batches 1:2 Grout 36 5x
65x @ 29 11 Batches 1:2:4 Mix 174 5x
 $\frac{38}{210}$ 13 $\frac{210}{210}$

65x 127 Batches Floor.
117 ✓

Sand Bulking 18%
lowered S.W. nut 3/4" 0 0
SW 0 0

Oct 24 #2 Shift

Spillway Extension N. Sidewall

- 1- Mixing Plant & Crew. 8⁰⁰ to 11³⁰
- 1- Truck & Hoist & Buggies
- 1- Foreman
- 12- Men

Finishing 7 hrs.

- 1- Finisher
- 1- Laborer

45-
13
32

$$4 + 2 + 3 = 9$$

(a) 3 Batches 1:2 Grout 54 5x

$$18 + 11 + 29 = 58$$

(b) 29 Batches 1:2:4 Mix 348 5x

$$\frac{32}{67} \quad \frac{4020}{4020}$$

(a)

(b)

meter reading 711 $\frac{56}{99}$

Oct. 25, 1934 #1

Spillway Extension So. Sidwall.

Concrete 9:30 to 11:30^x = 2
12:00 to 2:30 = 2 1/2

1- Mixing Plant & Cranes 4 1/2

1- Truck & Hoppers

1- Foreman

1- Truck Driver

7- men

Sections poured:

65x(a) 3 Batches 1:2 Grout 5x

65x(b) 10 Batches 1:2:4 5x

65x(c) 1 Batch 1:2:4 5x
14

(c) Rejected at 11:30

Oct 25, 1934 #1 Shift

Spillway Extension

Finishing 7:00 to

2- Finishers 3 5x

1- Helper

Oct. 25, 1934 #2 Shift Road

3+2 = 5

65x(a) 2 Batches 1:2 Grout 12 5x

11+48 = 59

65x(b) 48 Batches 1:2:4 Mix 288 5x

50

64

30

12 5x

~~354~~

288 5x

300

384

48
48
96

Oct. 28 1934 #1 Shift

71421 Meter Reading

Concrete N. Sidewalk

Start 7⁰⁰ Finish 10³⁰ = 3 1/2 hrs.
12⁰⁰ To 2³⁰ = 2 1/2

1- Mixing Plant & Crew 6

1- Truck & Hoppers

1- Foreman

8- Men

2- Men 8⁰⁰ to 10³⁰

4 Sections N. Sidewalk

65x (a) 2 Batches 12 5x

65x (b) 24 Batches 144 5x
26 156 ✓

(a) ~~Floor~~ South Wall #1 Shift

(b) 12 Batches 1:2:4

See changed
to Floor
to Road.

Oct 28 1934 #1 Shift

Spillway Ext.

Finishing 7⁰⁰ to

2- Finishers 25x ✓

1- Helper

Wetting Core 7⁰⁰ to

1- laborer

Clean up 10³⁰ to 12⁰⁰

1- Foreman

4- Men

✓
Oct. 26, 1934 #2 Shift

Spillway Extension 1

Concrete 2³⁰ to 12 = 9 hrs.

1- Mixing Plant & Crew.

1- Truck & Hoppers.

1- Foreman

8- Men

Floor 3 Sections poured.

Wall 8 Sections poured. $6 \times 8 = 48$

$6 \times 6 = 36$ Batches 24 3×36

$6 \times 6 = 36$ Batches 240 5×384
 $70^\circ 43 + 1 = 44$ 264 420°
 26
 568

Adjusted for 3 Floor Panels

$\frac{24 \times 1 \times 3}{27} \times 2 = 6$ say 5 Batches
for toe of walls.

✓
Oct 26, 1934 #2 Shift

Spillway Extension 7 hrs.

Finishing 2³⁰ to

1- Finisher

1- Helper

Forms. 7 hrs.

1- Carpenter Foreman

9- Carpenters.

11 Helpers

5- Laborers

Oct. 26, 1934 #2

Spillway Extension
Cube 9³⁰ to 10³⁰ 1 hr.

1- Crane

1- Truck & Skips

1- Mixing Plant

3- Laborers

1- Crane Operator

71639

71601 Floor Finished

38 To wall
5 Correction

43 Total wall.

Fred. Deduct. 5 Batches from Floor.

71519

71601

8

71601

71519

82

5

77

To Floor

Actual to Floor.

Oct 29 #2 Shift

71750 Meter Reading at 3⁰⁰ pm.

71772 " " at 7⁰⁰ pm.

71790 " " at 10³⁰ pm.

Concrete 3⁰⁰ to 10³⁰ - 40 Batches

1- Mixing Plant & Crane

2- Dump Trucks & Hoppers

1- Mixer man

1- Cement man

1- Batcherman

1- Crane man

Case Del. 2- Truck Drivers

Placing 1- Foreman

6- Men

Washout 1- Man

Finishing 1- Finisher

5+ Sections Poured

bx (a) 3 Batches 12' x 18' 5x

bx (b) 37 Batches, 112' x 22' 24' 0' 5x

40 Batches

Oct. 29, 1934 #1 Shift.

Form:

- 1- Foreman
- 9- Carpenters
- 6- Laborers

Floor Sta 9+81 to 10+05

$$\begin{array}{r} X \ 5.1 \times 1 = 24 \\ \quad 5.1 \\ \hline \quad 24 \end{array}$$

$$\begin{array}{r} 120 \\ 27 \overline{) 1221} \quad (4.5) \\ \underline{108} \\ 141 \\ \underline{135} \\ 6 \end{array}$$

Oct. 30, 1934 #2 Shift.

3⁰⁰ to 10³⁰ pm.

Zwd. 71907

1st $\frac{71864}{43}$

Batches

$$\begin{array}{r} 43.0 \\ -4.5 \\ \hline 38.5 \end{array}$$

2+(a) To Walls 5- Grout.

To Floor
(c) 4 1/2 Batches

(b) 33 1/2 1:2:4 Mix.

Concrete 3⁰⁰ to

- 1- Mixing Plant, Crane & Trucks
- 1- Mixerman, 2- Laborers - 1 Crane man
- 1- Foreman - 1- Truck Driver
- 6- Laborers

Sections Poured

Cable Hoist for N. Sidewall

1- Operator 2- Men.

(a) 6sq 5- Batches Grout. } Wall 30 sq

(b) 6sq 33 1/2 Batches 1:2:4 } Wall 201 sq

(c) 6sq 4 1/2 Batches 1:2:4 Floor. 27

43.0

258

1
Oct. 30, 1934 #2 Shift

Spillway Extension

Forms 3rd to

1- Foreman

9- Carpenters

6- Laborers

6- "

Placing Steel 3rd to

1- Foreman

2nd Steelman

Finishing

3-

3-

1- Finisher

3-

11-

✓
Oct 31, 1934 #2 Shift

Spillway Extension

2nd Meter Reading 72642

1st Meter Reading 71996

Total 46 Batches

(a) 3 Batches 1:2 Grout } 5x=18

(b) 18 1:2:4 } wall 108

(c) 25 1:2:4 To Floor } 150

(d) 46 } 276

Sand Bulking 25% 1st sample

" " 20% 2nd sample

Test Cylinders No 3382, 83, 84

Sidewall

3385 Coarse 3/4" crushed rock

3386 Mixed
Blended 1 1/2 x 1"

Oct 31, 1934 #2 Shift

Spillway Extension

Concrete

1- Mixing Plant Cranes Trucks

1- Mixerman, 1 Cranesman

2- Men

1- Truck Driver

1- Foreman

6- Laborers

24' Floor 8+61 to 8+85 x 6 = 144

24' 9+09 to 9+33 x 5.5 = 132

24' 9+57 to 9+81 x 5.5 = 132

24' 10+05 to 10+29 x

10 x 10 x 1.5 = 150

14 x 7.5 x 1.2 =

126

684

27

= 25

Oct 31, 1934 #2 Shift

15

Forms

1- Foreman

10- Carpenters

6- Laborers

4- Carpenter Helpers

Finishing see H. 5x

1- Finisher

Cleanup & E

Excavation ⊗

1- Crane

1- Truck

1- Crane Operator

1- Truck Driver

6- Laborers

November 1st, 1934 #2 Shift

Spillway Extension

Meter Readings

2nd	72202	a	4	Batches	To Walls	1.2	245x
1st	72144	b	39	"	"	1.2	45x
Total	58	c	15	"	To Floor	1.2	90 5x
	348						348 ✓

Wasted during October. 3 Batches. 18 5x

This material located along top bottom of walls

Concrete 8⁰⁰ to 10⁰⁰ = 7 hrs

1 - Mixing Plant, Crane & Trucks

1 - Mixer man, 1 - Crane man 2 laborers

1 - Truck Drivers

1 Foreman

6 - Laborers. 1 - Crane Operator 9⁰⁰ to

Finishing 1 - Finisher

1 - Helper

Sections Poured

Nov. 1st, 1934 #2 Shift

Spillway Extension

Forms. 7 hrs

1 - Foreman

13 - Carpenters.

6 - Carp. Helpers

5 - Laborers.

Clean up.

5 - Laborers.

Excavation

Laborers.

Nov 2, 1934 #2 Shift

Spillway Extension

Concrete 3^{00} to 10^{00} = 7hr.

- 1 - Mixing Plant, Crane & Trucks
- 1 - Mixer man, 1 Crane man, 2 - Laborers.
- 3 - Truck Drivers
- 1 - Foreman
- 7 - Laborers
- 1 - Hoist operator & Fireman. 1 - Laborer

Meter Readings

2nd 72412

1st 72326

87
522 Total Batches.

1:2	6	Batches	36	sy
Grout				
1:2:4	55	Batches	330	sy
Sidewalk				
1:2:4	26	Batches	156	sy
Floor				
			<u>522</u>	

Floor 300 to

3 - Laborers.

1 - Finisher

Nov 2, 1934 #2 Shift

Spillway Extension

Forms - 3⁰⁰ to

- 1 - Foreman
- 13 Carpenters
- 5 Carp. Helpers
- Laborers.

Nov. 3, 1934 #2 Shift

#1 11-5³⁰ cement for week ending Nov. 3

#2 14 5³⁰ to Nov. 3

Water Readings

2nd 72542

1st 72504

38

Total Batches

(a) 1:2 Grout 2 Batches 12 5³⁰

(b) 1:2:4 Wall 27 Batches 16 2 5³⁰

(c) 1:2:4 Floor 9 Batches 54 5³⁰

38

228

Concrete 12³⁰ to 5³⁰ = 5 hrs.

1 - Mixing Plant, Crane, Trucks

1 - Mixerman, 1 crane operator 7 - laborers

1 - Foreman 1 - Truck Driver

7 - Laborers

Nov. 3, 1934 #2 Shift 5 hrs.

Spillway Extension

Forms

1 - Foreman

13 - Carpenters

4 - Helpers

~~5~~ Laborers

Clean Up

5 - Laborers

Finishing 5 hrs 4 3/4 (Worman)

1 - Finisher

1 - Helper

✓
Nov. 5, 1934 #3 Shift
11 pm to 6³⁰ a.m.

Nov. 4 Sunday

Spillway Extensions

Concrete 1102 to

- 1- Mixing Plant, Crane & 2 Trucks
- 1- Mixer man 1- Crane Operator 1- Laborer
- 2- Truck Drivers 1- Fireman
- 1- Foreman
- 5 # Laborers
- 1- Carpenter
- 1- Finisher

(a) 1:2 Grout 3 Batches 18 sy

(b) 1:2:4 Mort 6 Batches 36 sy

(c) 1:2:4 Mort 5 Batches 30 sy

69
69
414

24x6

27

24

6

188

✓
Nov. 6, 1934 Holiday #1 Shift

Spillway Ext 7⁰⁰ to

Forms Stripping

4 Foreman

Clean up

2 Laborers

Finishing

2 Finishers

1 Helper

Nov. 7, 1934 ✓ #3 Shift

Spillway Extension

Concrete. 11:00 pm to 6:30 = 7 hrs.

1- Mixing Plant, Crane & Trucks

1- Mixerman 1 Crane Operator

1- Laborer

2- Truck Drivers

1- Foreman

7- Laborers

1- Finisher

1- Carpenter

1/2 Lost

3 sx

(a) Grout $\frac{41\frac{1}{2}}{5}$ - Batches 27 sx

b 1:2:4 Wall $\frac{38}{43}$ Batches $\frac{228}{258}$ sx

$\frac{43}{258}$

1/2 Batch lost from leaky hopper = 3 sx

Nov. 8, 1934 ✓ #3 Shift

Spillway Extension 11:00 pm to 6:30 pm

Concrete.

1- Mixing Plant, Crane & Trucks

1- Mixerman, 2 Crane Operators 1 Laborer

2- Truck Drivers

1- Foreman

1- Foreman

1- Carpenter

1- Finisher

8- Laborers

(a) Grout 5 Batches 30 sx

(b) 1:2:4 Wall $\frac{45}{50}$ Batches $\frac{270}{300}$ sx

Total 300

Large boulder from blast hit floor
and rolled to bottom. Check floor for
loosen

Nov. 9, 1934 # 3 Shift

Spillway Extension

Concrete 11⁰⁰ am to 6³⁰ pm

1- Mixing Plant, Crane & Trucks

1- Mixer man, 1- Crane Operator, 1- Laborer

1- Fireman 1- Truck driver

1- Foreman

8- Laborers.

1- Carpenter

1- Finisher

73168

Meter Readings 73121

(a) Grout 3 Batches ⁴⁷ 18

(b) 1, 2, 4 Wall. 44 264
47 282
282

Nov. 10, 1934 # 3 Shift

Spillway Extension 11⁰⁰ p.m. to ⁷³⁰ 6³⁰ a.m.

Concrete

1- Mixing Plant Crane & Trucks.

1- Mixer man, 1 Crane Operator, 1 Laborer

1- Fireman

2- Truck Drivers

1- Foreman

9-8 Laborers

1- Carpenter

1- Finisher

Excavation

1- Compressor

1- Driller

Meter Reading Finish

73294

Start 73244

50

(a) Grout 5 ? 30 SX

(b) 1, 2, 4 Wall 45 270
50 350 SX

✓
Nov. 11 1934 Sunday

Nov. 12 Holiday

Nov. 13 #1 Shift 7⁰⁰ - 6³⁰

Concrete Spillway Extension

- 1- Mixing Plant Crane & Trucks
- 1- Mixerman 1- Crane Operator 1-Laborer
- 1- Truck Driver
- 1- Foreman
- 7- Laborers.

Finish 73330

Meter Reading Start 73294

36

(a) Grout 4 Batches 24 sy

(b) 1:2:4 Wall 32 Batches 192

36
216

✓
Nov. 13 1934

Spillway Extension

Forms 7⁰⁰ to

- 1- Foreman
- 5- Carpenters
- 6- Helpers Laborers.

Finishing 7⁰⁰ to

- 1- Finisher 10 sy. for week upto 10th
- 1- Helper.

Excavation

- 1- Compressor
- 1- Bulldozer
- 1- Operator
- 1- Driller
- 3- Laborers.

✓
Nov. 14, 1934 #1 Shift 7⁰⁰ to 12⁰⁰

Spitway Extension

Forms.

1- Carpenter Foreman

6- Carpenters.

6- Laborers.

Finishing

1- Finisher

1- Helper

Excavation 7⁰⁰ to 12⁰⁰

1- Compressor

1- Foreman

1- Driver

3- Laborers

1- Cat & Operator

✓
Nov. 14, 1934 #1 Shift 7⁰⁰ to 12⁰⁰

23

Spitway Extension

Concrete. to

Repairing

1- Mechanic 7⁰⁰ to 12⁰⁰

1- Crane Operator

1- Foreman

General Plant 7⁰⁰ to

1- Welder

1- Tool Smith

✓
Nov 14, 1934 #1 Shift

Spillway Extension Concrete 1⁰⁰ to 2³⁰
= 2 1/2

1- Mixing Plant. Hoist & Trucks

1- Micerman 2- Laborers

2- Trunk Drivers

1- Fireman

6- Men

Finish 73406

Meter Reading Start 73384
22

(a) Grout 4 Batches 94

(b) 1:2:4 Wet 18
22
6
132

108
132 ✓

✓
Nov. 15, 1934 #1 Shift

Spillway Extension

Wrecking Plant. 4 units

1- Crane

1- Crane Operator

3- Laborers 4 units 7⁰⁰ = 3 hrs.

5- Laborer 7⁰⁰ units

1- welder

1- Helper

✓
Nov. 15, 1934 #1 Shift.

Spillway Extension

Forms

1- Foreman

5- Carpenters

6- Laborers

Finishing

1- Finisher

1- Helper

Excavation

1- Cat Operator

1- Compressor

1- Driller

3- Laborers

✓
Nov. 18, 1934 #1 Shift 7⁰⁰ to 2³⁰

Spillway Extension

Forms 7⁰⁰ to 10⁰⁰ Rain

5- Carpenters

4^B- Laborers

1- Foreman

Excavation 7⁰⁰ to

in Rain Showers

1- Compressor

1- Cat Bulldozer

1- Driller

1- Cat Operator

1- Mechanic

4- Laborers

Wrecking Plant 7⁰⁰ to

in Rain Showers

1- Crane & Operator

3- Laborers

1- Foreman

Finishing 7⁰⁰ to 2³⁰

1- Finisher

1- Helper

17 ✓
Nov. 16, 1934 #1 Shift

Spillway Extension

Concrete 700

1-25x Mixer. Hoist & Trucks

1- Foreman

1- Mixerman

3- Men

1- Fireman

1- Truck Driver

7- Laborers

25x Batches Grant 8 Batches = 16

25x Batches 1:2.5 mix 40 Batches $\frac{80}{96}$

25x Batches wasted $\frac{3}{51}$ Batches = $\frac{6}{107}$

✓
Nov. 17, 1934 #1 Shift

Spillway Extension

Forms

1- Carpenter Foreman

5- Carpenters

5- Laborers

Finishing

1- Finisher

1- Helper

Excavation

1- Compressor

1- Driller

2- Laborers

General Plant 700 to

2- Laborers

1- Welder

17 ✓
Nov. 16, 1934 #1 Shift

Spillway Extension

Concrete 700

1-25x Mixer Hoist & Trucks

1- Foreman

1- Mixerman

3- Men

1- Fireman

1- Truck Driver

7- Laborers

25x Batches Grant 8 Batches = 16

25x Batches 1/2 mixer 40 Batches $\frac{80}{96}$

25x Batches wasted $\frac{3}{51}$ Batches = $\frac{6}{107}$

✓
Nov. 17, 1934 #1 Shift

Spillway Extension

Forms

1- Carpenter Foreman

5- Carpenters

5- Laborers

Finishing

1- Finisher

1- Helper

Excavation

1- Compressor

1- Driller

2- Laborers

General Plant 700 to

2- Laborers

1- Welder

✓
Nov. 20, 1934 # 2 Shift 3⁰⁰ to 10⁰⁰

Spillway Extension

Finishing

1 Shift
1- Finisher 115x cement week
ending Nov. 18
1- Helper # 2 Shift

115x cement

225x Total.

Concrete 4⁰⁰ to 9³⁰ = 5 1/2

1- Foreman

4- Laborers

1- Mixerman

1- Truck Driver

1 1/2 hrs. Cleanup.

2- Batches Grout = 45x

18 " 125x

20 " 25x

36

40

✓
Nov. 20, 1934 # 2 Shift 3⁰⁰ to 10⁰⁰ 27

Spillway Extension

Excavation 3⁰⁰ to

On hill 4 laborers

On floor 2 laborers

Repair 2- Mechanics

Cleanup

1- Truck

2- Laborers.

Forms

1- Foreman

2- Carpenters.

2- Helpers

2- Laborers.

Placing Rein. Steel

2- Steelworkers.

Nov. 18 ✓ Sunday

Nov. 19, 1934 #2 Shift 3⁰⁰ to 6¹⁵

Spillway Extension

Concrete 2⁴⁵ to 4³⁰ #1

4³⁰ to 10³⁰ #2

1 - 25x Mixer

1 - Foreman

1 - Mixer man

4 - Laborers

7 - Laborers

62 Batches 1:2:4 wa/124

6 " Grout 12

68 25x Batches 136
2
136

Nov. 19, 1934 ✓

28

Spillway Extension

Excavation

1 - Compressor

1 - Foreman

6 - Laborers

Forms

5 - Carpenters

2 - Laborers

Nov 27, 1934 ✓ #2 Shift

Note 34 1:2:4 + 4 Grout on #1

Spillway Extension

Excavation

- 1- Bulldozer
- 1- Compressor
- 1- Foreman
- 1- Cat Operator
- 1- Driller
- 6- Laborers.

- 1- Shovel
- 2- Trucks
- 1- Shovel Operator
- 2- Truck Drivers

Clean Up. 7hrs.

- 1- Foreman
- 4- Carpenters
- 4- Laborers
- 7- Laborers 3⁰⁰ to 6⁰⁰

Nov. 28, 1934 ✓ #2 Shift

29

Spillway Extension

Repair 3⁰⁰ to 10⁰⁰ = 7hrs

3- Mechanics

Concrete 3⁰⁰ to ~~4⁰⁰~~^{8³⁰} = 5hrs.

1- Foreman }
 2- Laborers } 8⁰⁰ to 8³⁰ = 5hrs
 Exc. 2 hrs.
 1- Mechanic }

5- Laborers } 6⁰⁰ to 8³⁰ = 2hrs.
 Exc. 5hrs
 2- Laborers }

43	25x Balches	86
<u>4</u>	25x " Grout	<u>85x</u>
47		94
<u>94</u>		

✓
Nov. 22, 1934 #1 Shift

Spillway Extension

Concrete 700 to 3³⁰ = 8 hrs. +

1- 25' Mixer 25' Mixer

1- Foreman 6 Bales Concrete 12' x 12'

1- Mixerman 68 Bales 12' x 136'

7- Laborers. Floor 29' x Bales $\frac{59}{207}$
103' x

Finishing 8 hrs.

1- Finisher

1- Helper

Repair 8 hrs.

2- Mechanics

✓
Nov. 23, 1934 #1 Shift

Spillway Extension

Forms 7 hrs

1- Foreman

5- Carpenters

3- Laborers

Cleanup 7 hrs

3- Laborers

Excavation 7 hrs

1- Bulldozer 1- Shovel

1- Compressor 2- Trucks

1- Foreman 1- Shovel Operator

1- Cat Operator 2- Truck Drivers

1- Driller

4- Laborers

Nov. 22, 1934 # 2 Shift

Spillway Extension

Concrete 3⁰⁰ to 7⁰⁰ = 5 1/2 hrs

1- Mixerman	} to Excavation 1 1/2 hrs.
1- Foreman	
1- Truck Driver	
6 1/4 Laborers	

Floor 23 Batches 46 sy

Grout 2 Batches 4 sy

Wall 16 Batches 32 sy

41 82 sy

Nov. 22, 1934 # 2 Shift

Spillway Extension

Clean up

1- Foreman
4- Carpenters
1- Laborers

Excavation

1- Shovel
1- Compressor
1- Bulldozer

1- Truck
1- Shovel Operator
1- Truck Driver
1- Foreman
1- Driver
4 Laborers

Repair

2- Mechanics
2- Laborers

✓
Nov. 23, 1934 #2 Shift

Spillway Extension

Forms #1 Crew 3⁰⁰ to 3⁰⁰ - 2hrs

1- Foreman

3- Carpenters

Clean Up. 7hrs

2- Laborers

Repair 7hrs

2- Mechanics

Excavation 7hrs

1- Shovel 1- Operator

2- Trucks - 2- Truck Drivers

1- Compressor 1- Driver

1- Foreman

5- Laborers

✓
Nov. 23, 1934 #2 Shift

Spillway Extension

Concrete 5⁰⁰ to 8 = 3hrs

1- 25c Mixer

1- Foreman to Excavation 4hrs

1- Mixerman

5- Laborers

25c - now Batches Count.

25c 21 Batches 1:24 Wall = 42 sq.

Nov. 24, 1934 #2 Shift

Spillway Extension

Concrete 3⁰⁰ to 8³⁰

1- 25x Mixer 8³⁰ to 10³⁰

1- Foreman

1- Mixerman 6 Batches Cont 125

8 1/2 - Laborers. 5 1/2 11.24 =

54 1/2 To Floor

10 1/2 202.5

Forms 7⁰⁰ to

1- Foreman

3- Carpenters 2- Laborers

Placing Rein Steel 3⁰⁰ to

1- Foreman

1- Steel worker

Nov. 24, 1934 #2 Shift

Excavation 3⁰⁰ to 5⁰⁰

1- Shovel 1- Shovel Operator

2 Trucks 2- Truck Drivers

1- Cat Bulldozer 1- Operator

1- Compressor 4- Laborers. 3⁰⁰ to 5⁰⁰

1- Foreman } 8³⁰ to

1- Laborer }

Drilling Anchor Holes 3⁰⁰ to 8³⁰

2 Compressor 8³⁰ to 10³⁰

2 Drillers

Concrete Test Samples

3408, 3409, 3410

Nov. 25, 1934 Sunday

Nov. 26, 1934 #3 Shift

Spillway Extension

Concrete 11⁰⁰ to 12⁰⁰ = 1 hr.

5 + 2 + 5 = 12 Laborers.

1 - Foreman 1 - Mixer man

1 - 25x Mixer + Trucks. effort

12⁰⁰ to 4³⁰ = 4 1/2

1 - Foreman

1 - Mixer man

4 - Laborers

1 - Fireman

2 + 3 = 5 Laborers.

1 - Truck Driver

⊙ Batches Grout sy

44 Batches 11.2.14 sy

Total 20x

34

Nov. 26, 1934 #3 Shift

Spillway Extension

Grouting Anchor 11⁰⁰ to 12⁰⁰

1 - Laborer 1 - 5x cement

Clean up. 12 Laborers 11⁰⁰ to 12⁰⁰

Excavation. 2 hrs.

1 - Bulldozer. 1 - Operator.

⊙ Laborers.

Forms 11⁰⁰ to 4 finished 8 hrs.

1 - Foreman

3 - Carpenters

4 - Laborers.

27 ✓
Nov. 26, 1934 #3 56 ft.

Spillway Extension

Concrete

1- 2cx Mixer Trucks 9 Hrs.

1- Mixerman

1- Foreman

1- Foreman

1- Trucks Driver

4 + 4 + 3 = 11 Laborers 8 hrs.

5- Laborer 11⁰⁰ to 6³⁰ = 7 hrs.

(a) 2 Batches Grout 4 sx

(b) 39 Batches Wall 78 sx

(c) 101 Batches Floor 202 sx

142
142
284

284

35 ✓
Nov 27, 1934 #3 56 ft.

Forms 11⁰⁰ to 3³⁰ = 4 1/2 hrs

= 8 hrs

1- Foreman

3- Carpenters

4- Laborers

Excavation 11 to 2 = 3 hrs.

1- Cat Bulldozer

1- Operator

Crossing Bevelers 11⁰⁰ to

1- Laborer 7 hrs.

✓
Nov. 28, 1934 # 3 Shift

Spillway Extension

Concrete

1 - 2 ex Mixer Trucks + Hists.

1 - Foreman

1 - Mixerman

1 - Truck Driver

1 - Finisher

8 Laborers 2 hrs work
at 5:30 am.

$5 + 1 + 3 + 2 + 2 = 13$ Laborers

1 - Finisher 7 hrs.

1 - Foreman

1 - Mixerman

5 - Laborers

} 11⁰⁰ to

6 Batches Grout 12 5x

61 Batches 1:2:4 Coll 122 5x

13 Batches Floor $\frac{26}{160}$ 5x

80

✓
Nov. 28, 1934 # 3

Spillway Extension

Forms. 8 hrs.

1 - Foreman

3 - Carpenters

4 - Laborers

✓
Nov. 29, 1934 #3

Spillway Extension II

Clean up 11⁰⁰ to 12³⁰ = 1 1/2

1- Foreman

1- Mixer man

5- Laborers

Forms 11⁰⁰ to 4³⁰

1- Foreman

4- Carpenters

} 5 hrs

3- Laborers 1 1/2 hrs

1- " 12³⁰ to 1

✓
Nov. 29, 1934 #3

Spillway Extension

Concrete 12³⁰ to 6³⁰ = 6 hrs 5/2

1- 2 1/2 Mixer Trucks Wash

1- Foreman

1- Mixer man

1- Foreman

3 + 7 + 3 + 2 = 9 Laborers.

(a) 5 Batches Grout 10 sx

16 36 Batches Wall 72 sx

41

82

Nov. 30, 1934 #3

Spillway Extension

Concrete 1124

1- 2 ex Mixer

1- Foreman

1- Mixerman

4- Laborers

} Mixer

1- Truck Driver

1- Laborer

1- Fireman

3- Laborers

} Hoist

10 = 2- Laborer Placing

(a) 7

(b) 52 112:4 Wall 104

C 16 112:4 Floor 32

68

136

38

Dec. 3, 1934 #1 Shift

Clean up 8 hrs.

2- Foreman

11- Men.

1- Truck

✓ Memo. Concrete Wasted 8 yds.

✓ ok by
C. Bodalman

1- Shovel

1- Bulldozer

2- Trucks

Finishing 8 hrs

1- Finisher

1- Helper

X F.B.
Dec 4, 1934 #1 Shift

Spurway Extension

Clean Up.

2 Foreman

11 Men

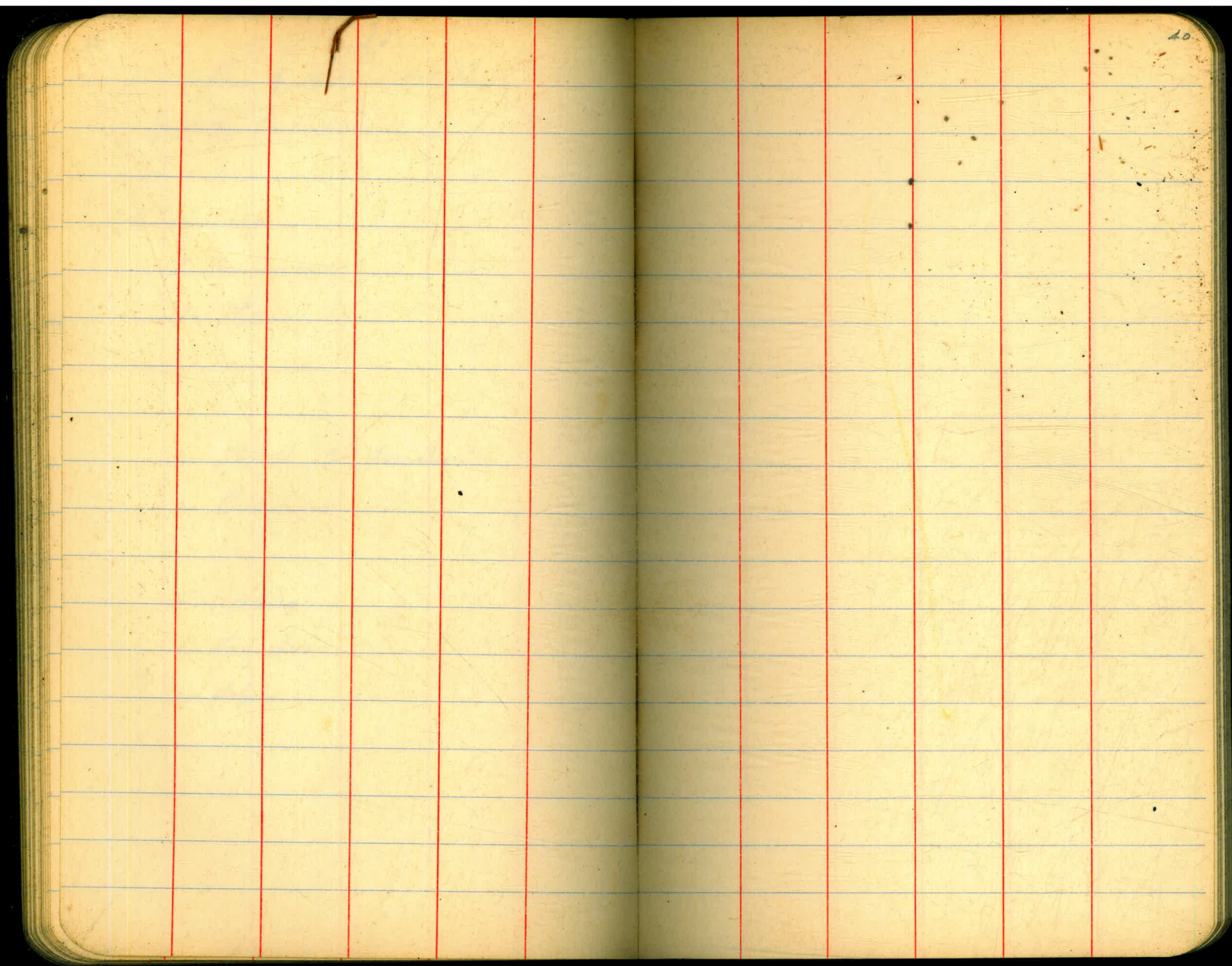
1 Shovel 2 Trucks

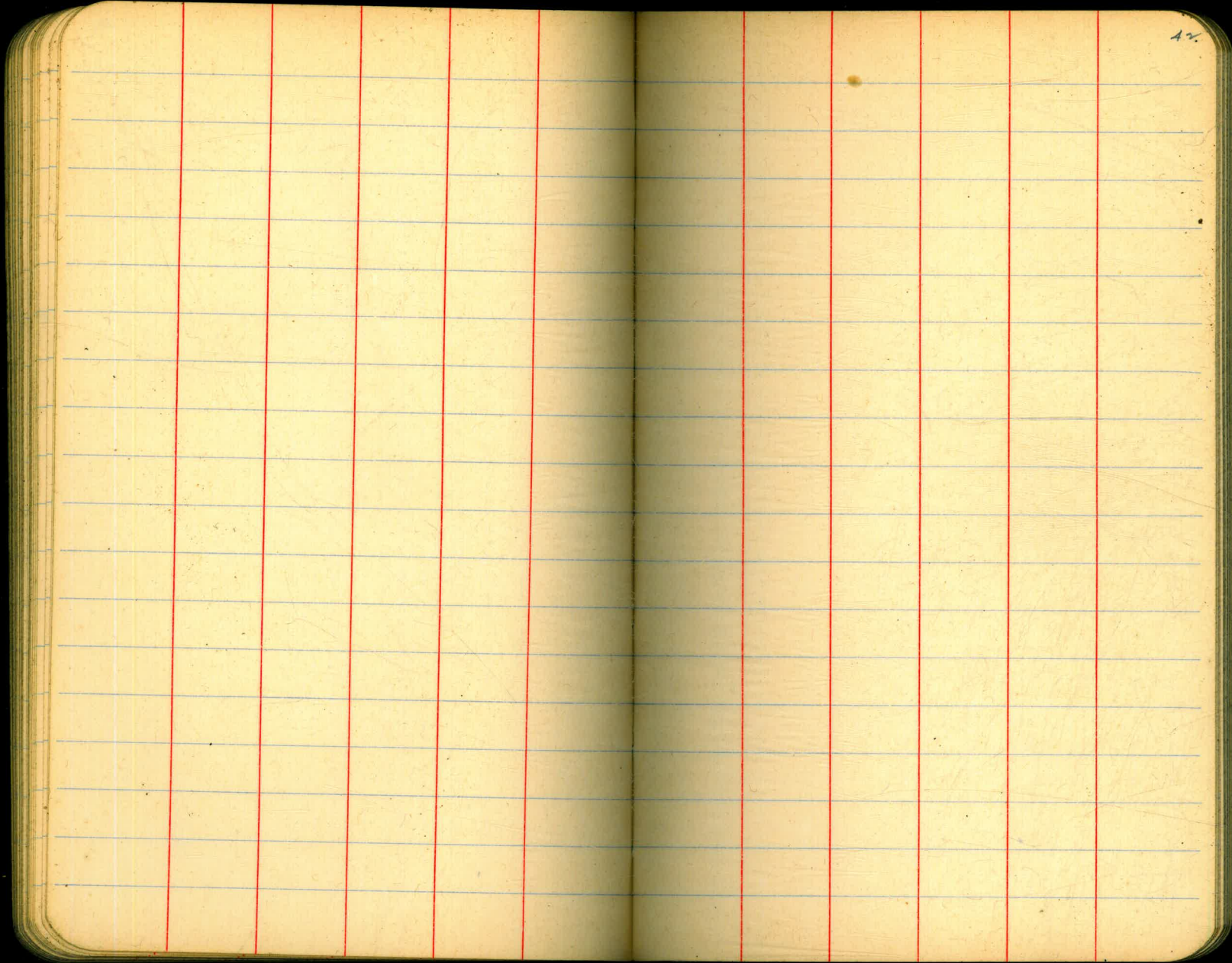
1 Bulldozer

Finishing

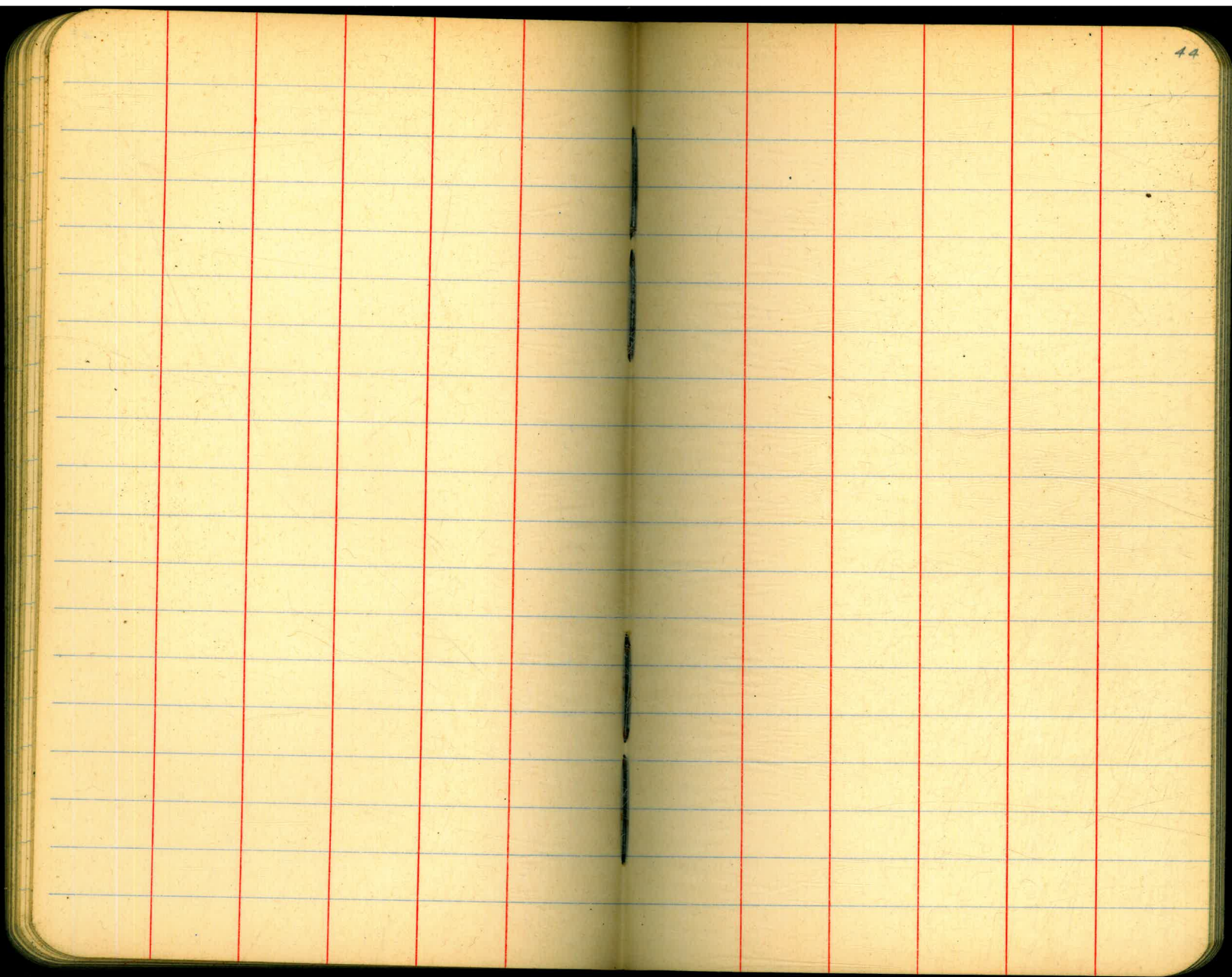
1 Finisher

1 Helper

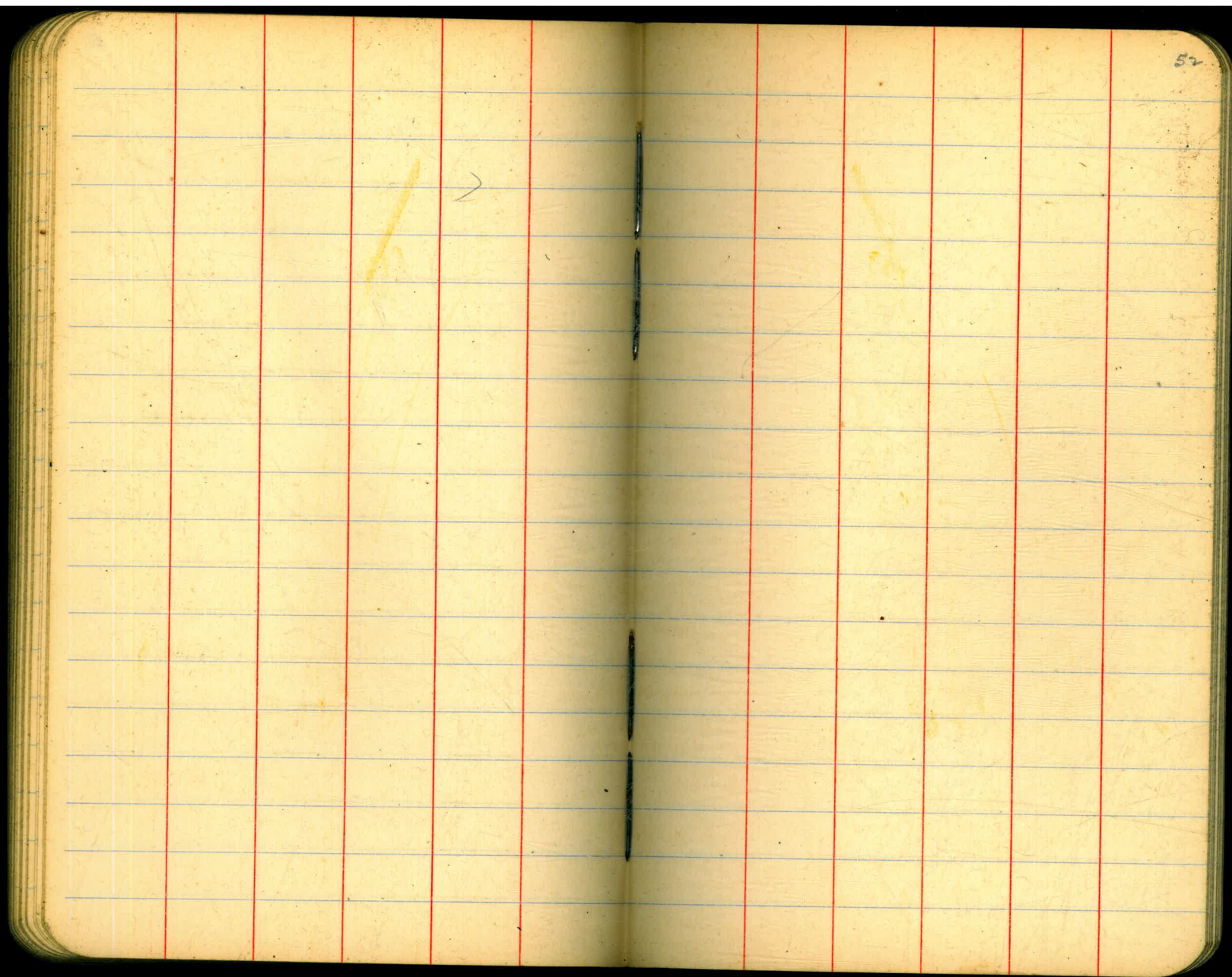




42

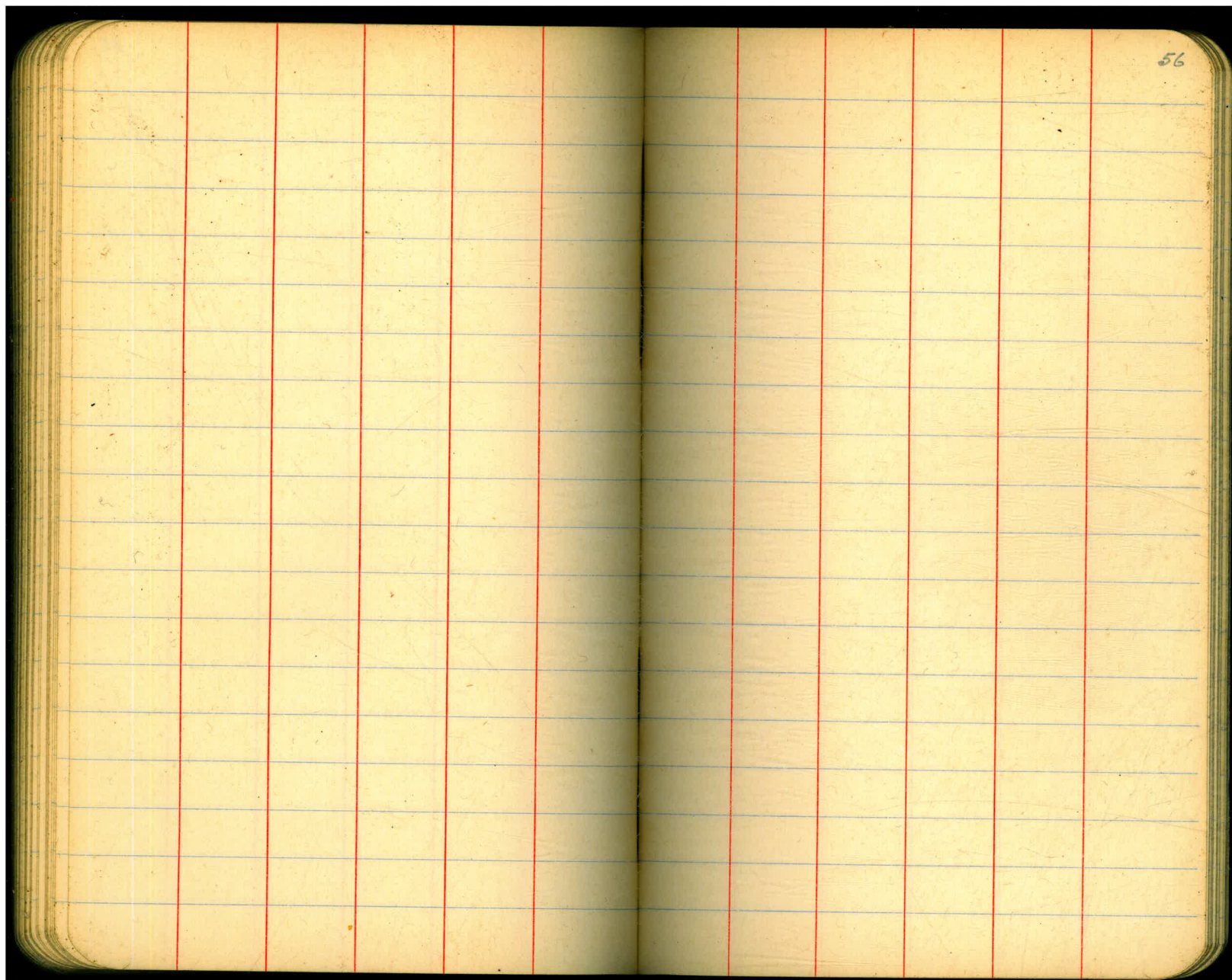


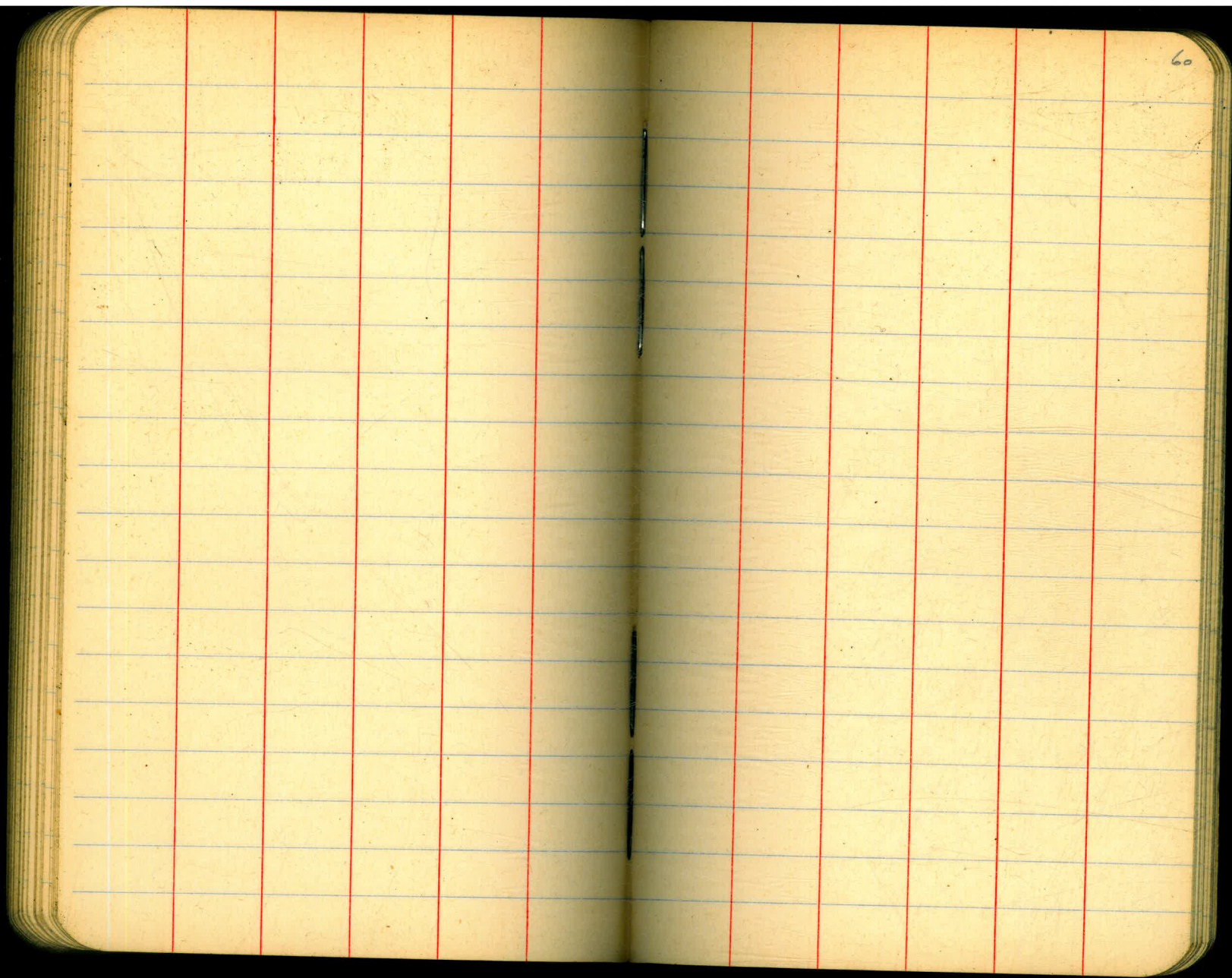
The image shows an open notebook with two facing pages. Both pages are cream-colored and feature blue horizontal ruling lines. Each page is also ruled with red vertical lines, creating a grid of columns. The right page has the number '56' written in the top right corner. The notebook is bound in the center, and the pages appear slightly aged with some minor discoloration and small dark spots.

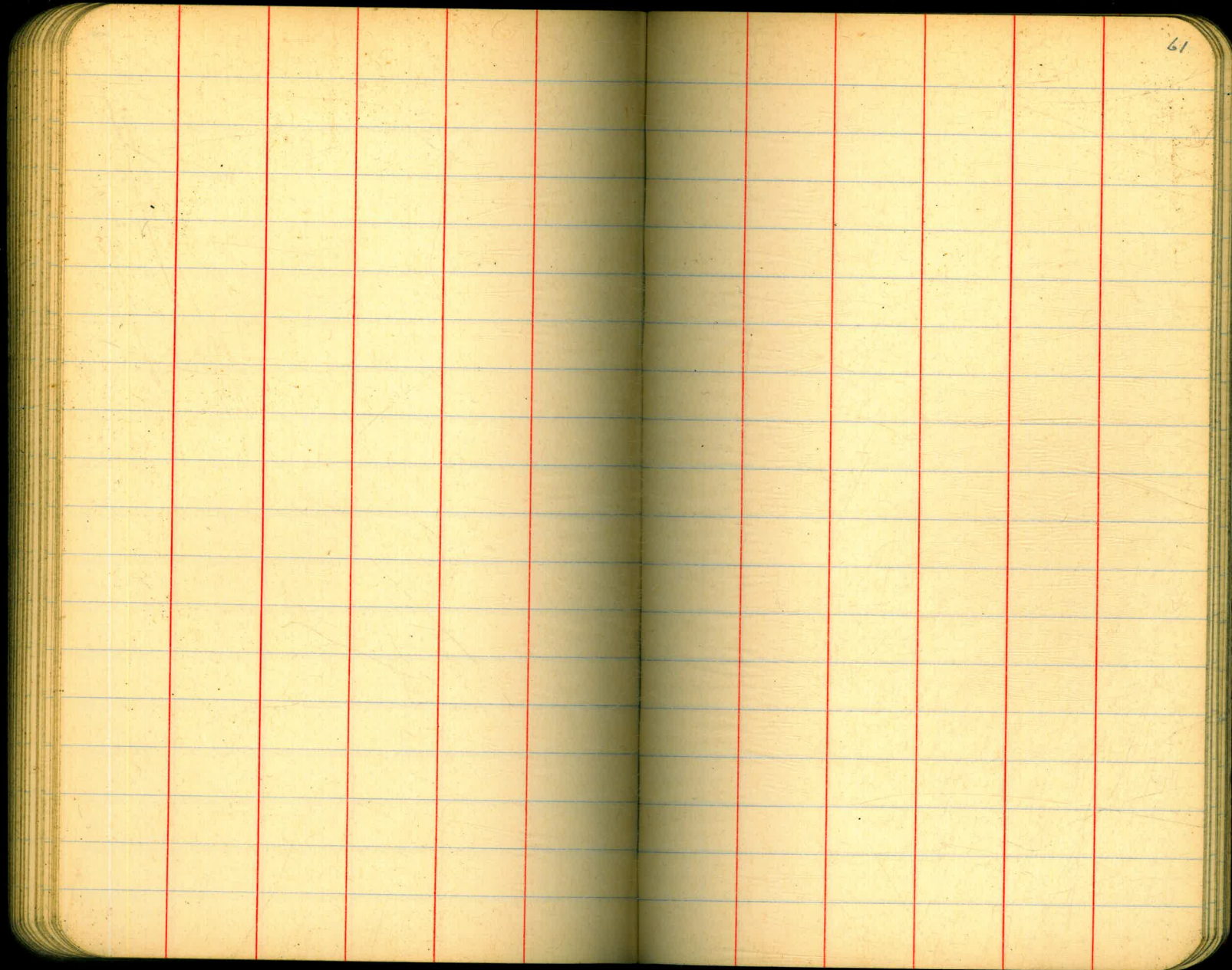


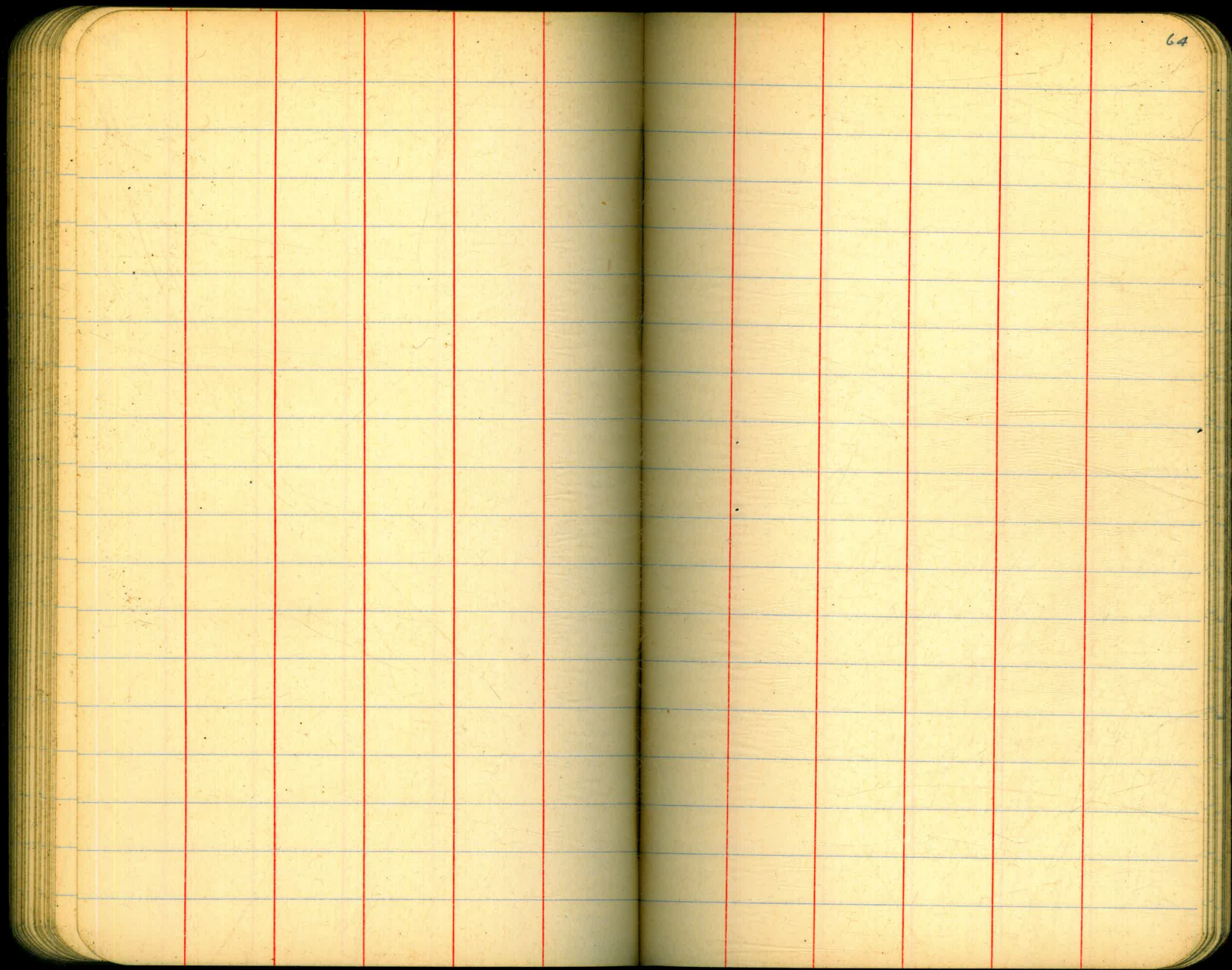
The image shows an open notebook with two facing pages. Both pages are cream-colored and feature light blue horizontal ruling. Vertical red lines create margins on both pages. The right page has the number '54' written in the top right corner. The notebook is bound in the center, and the pages appear slightly aged with some minor discoloration and faint smudges. The background is solid black.

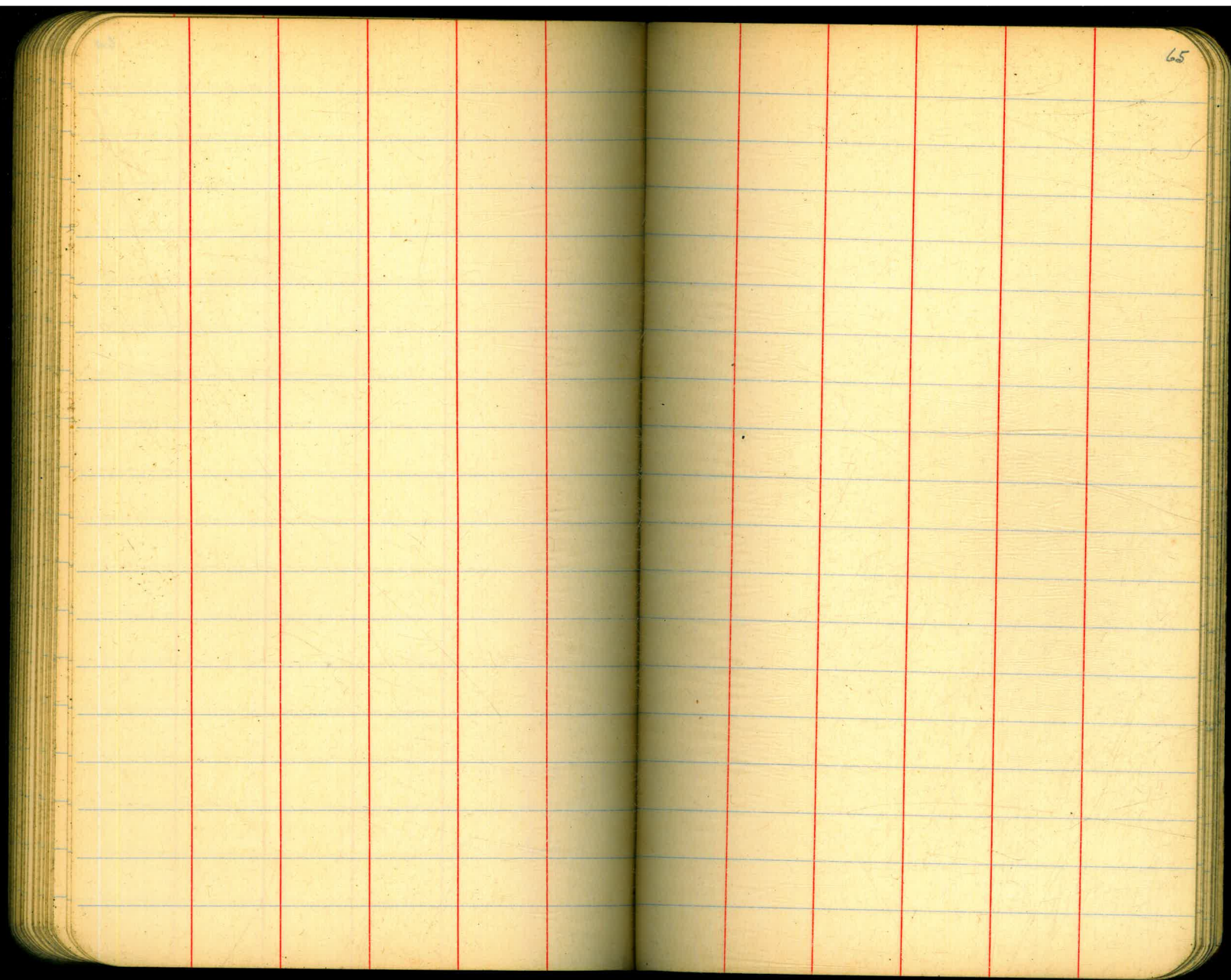
The image shows an open notebook with two facing pages. The pages are cream-colored and feature light blue horizontal ruling. Vertical red lines create margins on both pages. The right page has the number '55' written in the top right corner. The notebook is bound in the center, and the pages appear slightly aged with some minor discoloration and faint smudges.



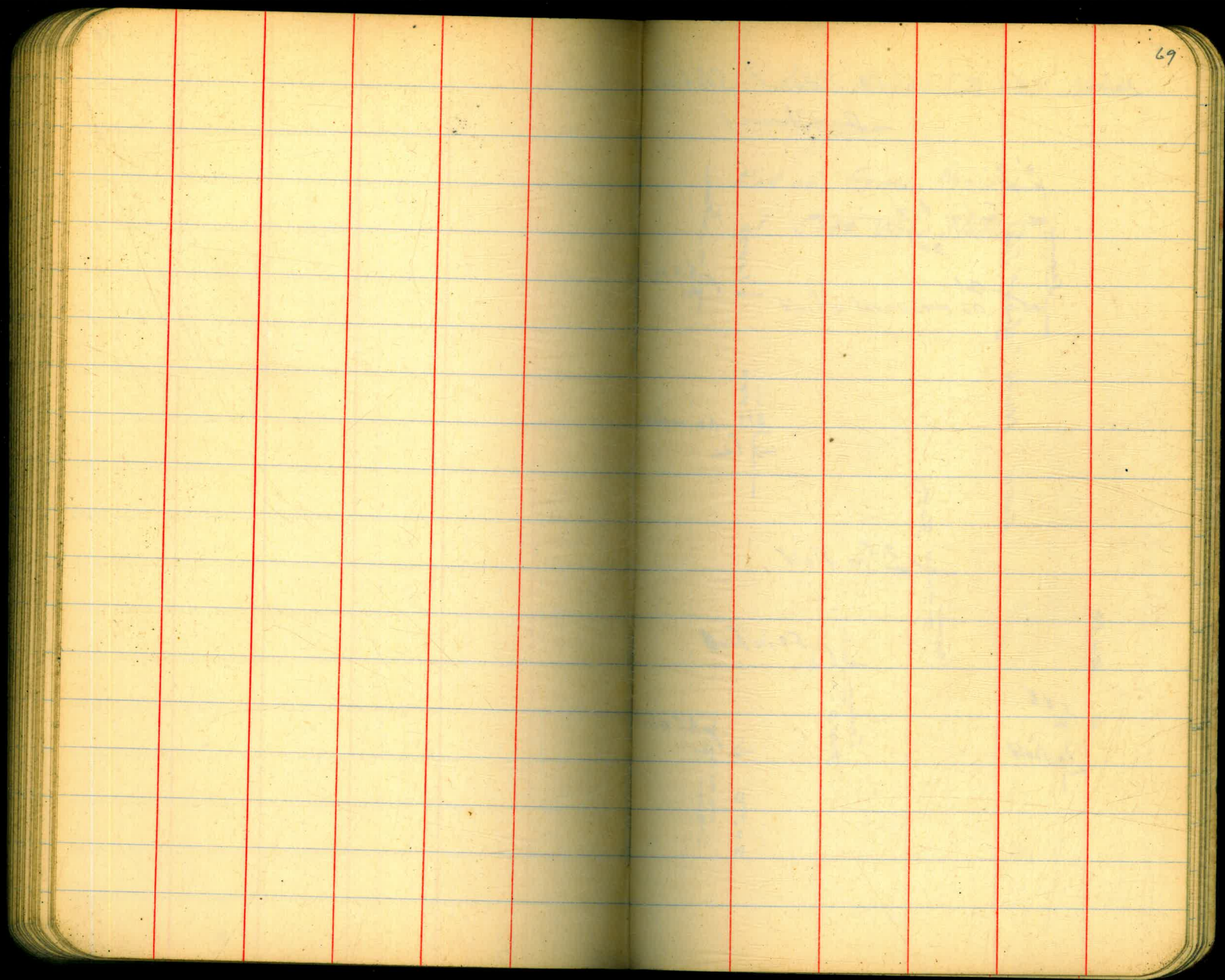








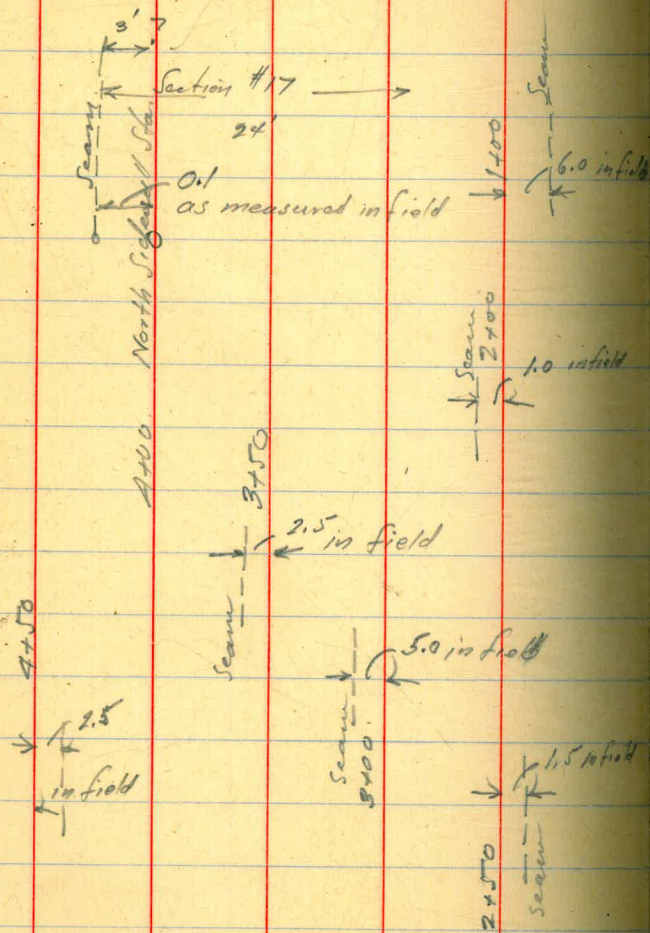
The image shows an open notebook with two facing pages. Both pages are cream-colored and feature blue horizontal ruling lines. Each page is also marked with red vertical lines that create a grid of columns. The right page has the number '66' written in the top right corner. The notebook is bound in the center, and the pages appear slightly aged with some minor discoloration and faint smudges. The background is a solid black color.



69

Notes R-C North Sideral Stations

← Down Stream



R-C North Side wall Notes

End of forms, Nov. 14
at 5140 Wier Station

North Sidewall
Progress.

Spillway Extension
Chart.

End of Contract

5th				Finish 11-19-34 ② 0/5
4th			11-17-34 ①	
3rd			11-17-34 ①	
2nd	11-17-34 ①		11-8-34 ②	
Top 1/2 of 1st	—		11-7-34 ②	
1st	③ 11-7-34	11-8-34 ②	11-5-34 ③	11-8-34 ②
	7440	7498	7466	7490
				8413

			Finished 11-5-34 ①	5th
11-7-34 ②	11-7-34 ②	11-8-34 ②	11-2-34 ②	4th
11-5-34 ③	11-5-34 ③		11-1-34 ②	3rd
11-3-34 ③	11-2-34 R.P.R. ①	10-31-34 ③	30-②	2nd
11-2-34 ②	10-31 H. ③	30-①	10-29-34 ③ 540 A & H	Top 1/2 of First
8413	8437	8461	8485	9409

11-5-34
③

11-2-34
①

31-②

30-②

Flow

Down Stream

North Sidenall
Progress

Spillway Extension
Chart

4th	Finished 11-7-34 ③	Finish 11-8-34 ③	③	Finish 11-8-34 ③
3rd	11-1-34 ②	11-1-34 ②	11-7-34 ③	11-2-34 ①
2nd	31-③	30-②	10-31-34 ③	30-②
Top 1/2 of 1st	30-①	10-29-34 3rd 5:15 am A+H	30-①	10-29-34 29-5 30-③
1st	A+H	H	A	H
9409	9493	9457	9481	10405

11-3-34 ①	11-7-34 ①	11-8-34 ①	11-8-34 ③	11-9-34 ③	11-9-34 ①	11-7-34 ②
11-2-34 ③	11-5-34 ②	11-5-34 ③	11-5-34 ①	11-5-34 ①	11-5-34 ①	11-5-34 ①
30-③	11-3-34 ③	11-2-34 ②	11-2-34 ②	11-1-34 ①	11-1-34 ③	11-1-34 ③
10-29-34 ③ 6:20 am	11-2-34 H ①	11-1-34 ①	11-2-34 H ②	10-31-34 ③	10-31-34 ③	10-31-34 ③
10729	10758	10777	11401	11725	11749	11749

31 ② 30 31 ② Floor
30 ① 31 ②

Down Stream

Waves
over
flow
11-10-34

Finish
11-70-34
② 0:5
11-17-34
②

Finish
11-14-34
①

11-17-34
①

Finished
11-19-34
②

11-17-34
①

11-10-34
③

11-10-34
③

11-9-34
③

11-9-34
①

11-9-34
③

11-9-34
①

11-3-34
①

11-7-34
①

11-8-34
①

11-8-34
①

11-7-34
②

11-2-34
③

11-5-34
②

11-5-34
③

11-5-34
①

11-5-34
①

30-③

11-3-34
③

11-2-34
②

11-1-34
③

10-29-34
③ 6:20 am

11-2-34
H ①

11-1-34
①

11-2-34
H ②

10-31-34
③

Bank Panel

11-1-34
③

	7	6	5	4	3	2	1	
11			Friday Front	Sidewall		Emisb		
10		11-14-34 ①	11-13-34 ②	11-13-34 ① ②		11-10-34 ③		10
9		11-13-34 ②		11-13-34 ② Road		11-9-34 ③	Finished	
8		11-10-34 ③	11-14-34 ①	11-9-34 ③	11-13-34 ①	11-8-34 ③	11-13-34 ①	9
7	11-14-34 ①	11-9-34 ③	11-15-34 ①	11-8-34 ③	11-10-34 ③	11-7-34 ③	11-10-34 ③	8
6th	X	11-8-34 ③	11-10-34 ③	11-8-34 ①		11-9-34 ③	11-9-34 ③	7
5th	11-10-34 ③	11-8-34 ①	11-9-34 ②	11-7-34 ①	11-9-34 ②	11-5-34 ③	11-9-34 ①	6
4th	11-9-34 ③	11-7-34 ①	11-8-34 ③	11-5-34 ①	11-9-34 ①	11-5-34 ①	11-7-34 ③	5
3rd	11-8-34 ③	11-5-34 ①	11-8-34 ①	11-3-34 ②	11-7-34 ①	11-3-34 ②	11-7-34 ①	4
2nd	11-8-34 ①	11-3-34 ②	11-7-34 ①	11-2-34 H ②	11-5-34 ②	H	11-22-34 ① o.v.s.	3
Top 1/2 of 1st	11-2-34 ③	=	=	=	=	=	=	2
1st	11-1-34 H ③	10-31-34 H ③	11-1-34 H ③	10-31-34 H ③	11-1-34 H ③	11-1-34 H ③	11-1-34 H ③	1
	11-1-34	11-1-34	11-1-34	11-1-34	11-1-34	11-1-34	11-1-34	

11-2-34
②

11-1-34
③

11-2-34
①

11-1-34
②

Down Stream

11-2-34
②

11-1-34
③

11-2-34
②

11-22-34
② o.v.s.

Horst located
here.

Progress Chart North Sidewall

Spillway Extensions

	26 ①	30-①								
	J	FINISH	Finish	Finish	Finish					
7+4	24 ② ✓	29 ①	24 ② ✓	29 ①	24 ② ✓					
	J		J		J	Finish	Finish			
6+4	20 ② ✓	26 ① ✓	20 ② ✓	26 ① ✓	20 ② ✓	26 ① ✓	20 ② ✓			
	A+	A	A+J	A	A	A	J check out	Finish	Finish	
5+4	16 ②	24 ② ✓	18 ①	23 ② ✓	16 ①	23 ② ✓	16 ①	23 ② ✓	16 ①	
		A		J		J+A		J+A		
4+4	✓	23 ② ✓	16 ①	20 ① ✓	✓	20 ① ✓	✓	20 ① ✓	✓	
		J ✓		J check out		A+J		A+		
3rd	✓	20 ① *	✓	18 ①	✓	18 ①	✓	18 ①	✓	
		A ✓								
2nd	✓	16 ②	✓	16 ②	✓	16 ①	✓	16 ①	✓	
1st	✓	✓	✓	✓	✓	✓	✓	✓	✓	

13+34

13+58

13+82

14+06

14+30

14+30

14+54

14+78

15+02

15+26

15+50

Horst located Here

* Bulkhead
* 3rd Slipped

Down Stream



South Sidewalk
Progress

1 2 3

Spillway Extension
Chart.

4 5 6

End of Contract

7+40

7+40

8'

Flour
11-30-34

7+42

Flour

7+66

7+66

11-27-34

7+90

7+90

11-29-34

11-29-34

11-26-34

11-30-34

11-29-34

11-27-34

11-30-34

11-28-34

11-26-34

11-30-34

11-28-34

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11-30-34

11-28-34

11-26-34

11-30-34

11-28-34

11-26-34

11-30-34

11-28-34

11-26-34

7th

6th

5th

4th

3rd

2nd

Top 1/2 of 1st

1st

Finish

11-22-34

① o.v.s.

11-22-34

① o.v.s.

11-7-34

③

11-2-34

②

11-1-34

③

31

J, A & H.

8+60

24

11-3-34

②

11-2-34

①

Very poor
Form work
3 shift.

7+104

South Sidewalk
Progress

76
Railway Extension
Chart

	Finish 30 ②	Finish 11-5-34 ③	Finish 31 ③	Finish 11-5-34 ③	Finish 31 ②	Finish 11-13-34 ①	Finish 11-7-34 ③	Finish 11-1-34 ②	Finish 11-2-34 ②	Finish 26 ②	Finish 25 ②	Finish 24 ②	Finish 23 ②	Finish 20 ②	Finish 19 ②
8th															
7th															
6th															
5th															
4th															
3rd															
2nd															
1st Continued															
1st															
	9+04	9+24	9+48	9+72	9+96	10+20	10+44	10+68	10+92	11+16	11+40				

②
11-3-34

* ② = 1st Lift Continued

Shovel out 10' with shovels
Declared Hopper
An Line there

Shovel out 10' with shovels
Declared Hopper

* #3
J. Slipped

	Completed 11-13-34	↓ South Finished 11-7-34	Sidewalk Finished 11-2-34	Progress Finished 11-1-34
11th	①	③	①	①
10th			①	①
9			31-0	31-0
8th		11-1-34	30 ① ✓	11-1-34 30 ① ✓
7th	11-2-34	①	29 ① ✓	① 29 ① ✓
6th	11-1-34	②	30 ② ✓	30 ② ✓
5th	31-①	29 ② ✓	24 ① ✓	29 ② ✓ 24 ① ✓
4th	30-① ✓	25 ② ✓	23 ① ✓	25 ② ✓ 23 ① ✓
3rd	26 ② ✓	A. 24 ② ✓	A. 20 ② ✓	A. 24 ② ✓ 20 ② ✓
2nd	A. 24 ② ✓	A. 23 ① ✓	J+A. 19 ② ✓	J 23 ① ✓ 19 ② ✓
1st	?	18 ② ✓	✓	18-0 ✓

Remarks

* #2 J shipped

* #5 J Xiro not finished #6 No #9 wires

⑤ ④ ③ ② ①

Spillway Extension Chart.

	②	8th Lift Finish	Finish	
			22 ① ✓	
11-25-34	③	250 ✓	A. 20 ① ✓	
11-27-34	③ 6 a.m.	24 ② ✓	J clean out 17 ①	7
11-24-34	②	3A. 19 ② ✓	15 ①	6
		J 17 ①		5
		② o.v.s.	✓	4
11-24-34	②	15 ①	✓	3
		① o.v.s.	✓	2
11-21-34	②	✓	✓	1
11-23-34	②	✓	✓	

Batcher Plant

Located here Floor ✓

11-24-34 ②

11-22-34 ① o.v.s.

⑤ ④ ③ ② ①

South Sidewall

Spillway Extension

Lift

Progress

Chart.

Lift	South Sidewall		Progress		Spillway Extension		Chart.			
	Finish	Finish	Finish	Finish	Finish	Finish	Finish	Finish		
7+4	250 ↓ A	200 ↓ J	22 ② A.	15 ②	22 ② ✓ A	24 ① ↓ A	19 ② ✓ J ✓	20 ② ↓		
6+4	24 ① ↓ ?A	18 ①	20 ② ↓ Jokan out	✓	20 ② ✓ A	23 ① ✓ A	16 ②	23 ① ↓ A-		
5+4	22 ② ✓ A	15 ①	17 ①	✓	19 ② ✓ A ✓ R.P.	22 ① ✓ A-	15 ②	20 ① ↓ A		
4+4	19 ② ↓ A	✓	13	✓	18 ①	19 ② ✓ A	22 ② ✓	19 ② * A		
3rd	13	✓	✓	✓	15 ①	18 ①	20 ①	18 ①		
2nd	✓	✓	✓	✓	✓	18 ①	19 ② * A	16 ②		
1st	✓	✓	✓	✓	✓	✓	16 ②	15 ①		
Stations	13+56	13+80	14+04	14+28	14+52	14+76	15+00	15+24	15+37	15+60

Remarks:

* # 2. rather dry, very rough
mud on floor* # 4. dry, very rough
mud on floor

Mix on 6x Balance

564# = 6.57 cement.

1400# Sand

1720# 1/2x1"

350# 3/4"

900# pea

3670 ?

Volumetric measure

2.35 x 1.67 = Sand

1" on Screen = 0.326 cu. ft.

2.3 x 3.4 = ^{1 1/2 x 1"} Rock

Note

at 20% Bulking / cu ft = 90# dry sand

Mix on 2x Batch Scales

188# Cement

466
25
480

466# Sand ²³³/₇₀ 303 each

458# 1/2x1"

560

150

133# 3/4" ¹³³/₈₀ 213 each

133# pea 213 each

1190

1190

13.9 cu ft = 109#

14.9 cu ft = 117#

Overtime O.V.S.

Oct 19 ~~7~~³ 15 to 12⁴⁵ = 10 hrs.

Oct 22 3⁰⁰ to 11³⁰ = 8^{1/2} hrs.

Oct 24 3⁰⁰ to 11³⁰ = 8^{1/2} hrs.

Oct 25 3⁰⁰ to 5⁰⁰ = 2 hrs.

" 9⁰⁰ to 10⁰⁰ = 1 hr.

Oct 26 3⁰⁰ to 12⁰⁰ = 9 hrs.

Oct 30 9⁰⁰ to 2³⁰ = 5 hrs.

Sept & Oct Total = 74 hrs.

37
6
252

885
144
1029

24
6
144

885
90
981
2

24
256
256
256

J.S. Johnstone,
Mr E.D. Williams
Bayview 0725

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

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

FOR SINGLE TRACK EMBANKMENT.

	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.

MADE IN GERMANY.