

MISSION BAY
83

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Our Leather Bound Engineers Note Books
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- No. 380 LEVEL BOOK. Left and Right Hand Page
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Book, Right Hand Page 4x4
to the inch, Center Line Red.
- No. 384 MINING TRANSIT
BOOK. Left Hand Page as in this
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to the inch, Center Line Red.
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THE FREDERICK POST CO.

ENGINEERING and DRAFTING SUPPLIES

P. O. Box 803

CHICAGO

1. Check Fill area between ditch alignment and present Topsoil Line
2. Accurate profile on red alignment
3. Check alignment vs. trees
4. Get ditch Volume inside profile line only
5. Locate drain N. Side of yacht pool
6. Cross Section Gleason + Elcarmel Pts for road alignment to be paved.

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CONTROL LAYOUT OF TIERRA
DEL FUEGO ISLAND FOR
PROPOSED DRAINAGE PROFILE

| Sta | N. | W. | Inst. N | Sta. W |
|---------|---------|----------|---------|--------|
| 0+00 | 7585.93 | 14887.39 | 7,850 | 15,000 |
| B.C. | 7595.74 | 14889.16 | | |
| E.C. | 7532.76 | 15182.64 | 7,850 | 15,200 |
| 4+43.27 | 7600.07 | 15295.40 | 7,850 | 15,200 |
| B.C. | 7751.24 | 15344.87 | 7,850 | 15,200 |
| E.C. | 7745.60 | 15457.63 | 7,850 | 15,400 |
| B.C. | 7752.97 | 15821.78 | 7,850 | 15,900 |
| E.C. | 7636.83 | 15902.48 | 7,850 | 15,900 |
| B.C. | 7508.89 | 15879.44 | 7,850 | 15,900 |
| E.C. | 7392.75 | 15960.13 | 7,850 | 15,900 |
| B.C. | 7367.41 | 16100.87 | 7,850 | 15,900 |
| E.C. | 7912.68 | 16507.42 | 7,850 | 16,500 |
| B.C. | 8075.14 | 16425.39 | 8,000 | 16,200 |
| E.C. | 8532.21 | 16643.73 | 8,600 | 16,700 |
| B.C. | 8553.88 | 16772.32 | 8,600 | 16,700 |
| E.C. | 9627.51 | 16676.22 | 9,500 | 16,700 |
| B.C. | 9639.49 | 16306.41 | 9,500 | 16,200 |
| E.C. | 9542.78 | 16203.23 | 9,500 | 16,200 |
| B.C. | 9382.87 | 16198.05 | 9,500 | 16,200 |
| E.C. | 9470.64 | 15567.72 | 9,700 | 15,500 |
| B.C. | 9561.92 | 15590.48 | 9,700 | 15,500 |
| E.C. | 9744.43 | 15478.40 | 9,700 | 15,500 |
| End | 9790.99 | 15275.00 | | |

9-22-52

T.A. Stamper

Inst. Gurley
No 402086

R.E. Sisson

A.E. Sherry

R.D. Shorey

Dist. out from Inst. Sta.

| | | |
|----------------|--------------------|---------|
| 264.07 | 112.61 | |
| 5254.23 | E 110.84 | ✓ |
| 5317.24 | E 17.36 | ✓ |
| 62.31 | | |
| 5249.93 | W 95.40 | ✓ |
| 151.17 | | |
| 598.76 | W 144.87 | ✓ |
| 531.44 | W 57.63 | ✓ |
| 597.03 | E 78.22 | ✓ |
| 116.14 | | |
| 5213.17 | W 2.48 | ✓ |
| 127.94 | | |
| 5341.11 | E 20.56 | ✓ |
| 116.14 | | |
| 5457.25 | W 60.13 | ✓ |
| 25.34 | | |
| 5482.59 | W 200.87 | ✓ |
| N 62.68 | W. 7.42 | ✓ |
| N 75.14 | W 225.39 | ✓ |
| S 67.79 | E 56.27 | ✓ |
| S 40.12 | W. 72.32 | ✓ |
| N 127.51 | E. 23.78 | ✓ |
| N 139.49 | W. 106.41 | ✓ |
| 96.71 | | |
| N 42.78 | W. 3.23 | ✓ |
| 5117.13 | E. 1.95 | ✓ |
| 5229.36 | W. 67.72 | ✓ |
| 91.28 | | |
| S 138.08 | W. 90.48 | ✓ |
| N 44.43 | E. 21.60 | ✓ |
| N. 10° 12' 47" | W. W. Causeway B/L | 208.66' |

REVISIONS

Weather
Fair - Warm

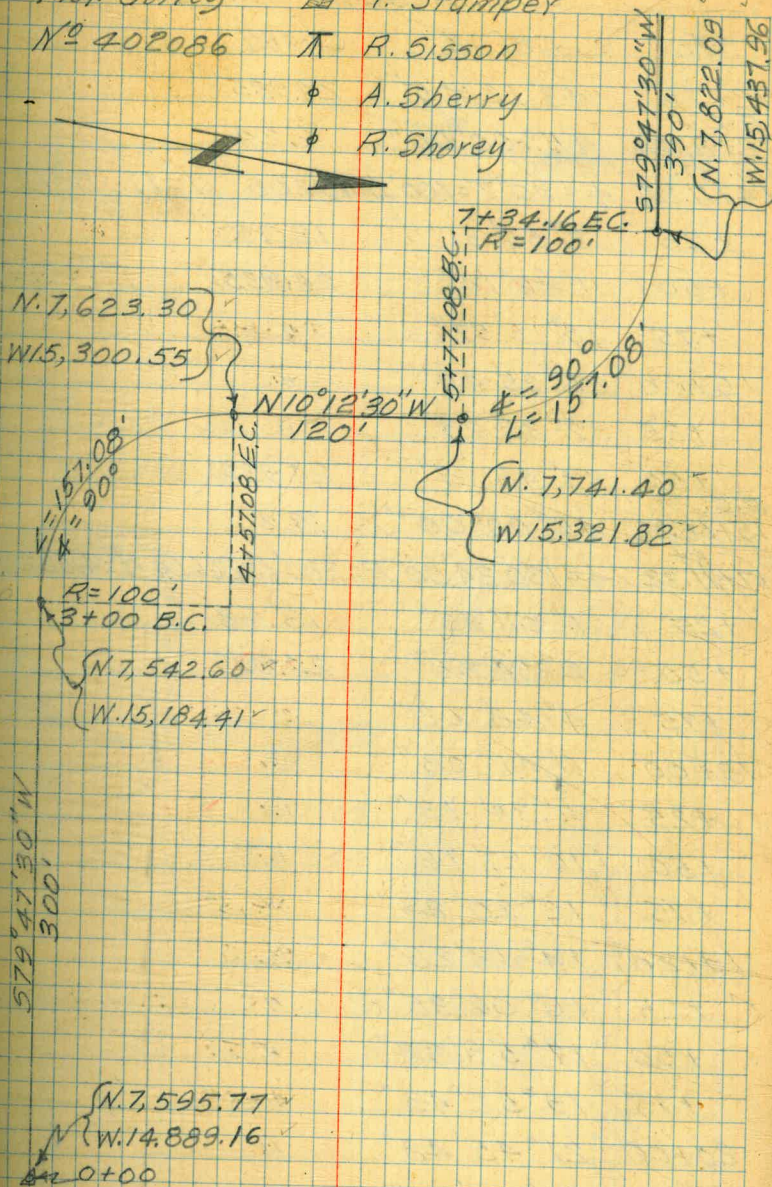
DRAINAGE PROFILE OF
TIERRA DEL FUEGO W. HALF.

CURVE DATA

| Sta | Def. \angle | Chord |
|--|---------------|--------------|
| 0+00 B.C. Pt. 3+00 | | 579°47'30" W |
| R=100.00 $\Delta=90^\circ$ T=100' L=157.08 d=17.188734 | | |
| +25 | 7°09'44" | 24.935 |
| +50 | 14°19'26" | " |
| +75 | 21°29'10" | " |
| 4+00 | 28°38'52" | " |
| +25 | 35°48'36" | 24.935 |
| E.C. 4+57.08 B.C. Pt. R=100' | 45°00'00" | 31.94 |
| 5+77.08 $\Delta=90^\circ$ T=100' L=157.08' d=17.188734 | | |
| 6+00 | 6°33'58" | 22.87 |
| +25 | 13°43'41" | 24.935 |
| +50 | 20°53'24" | " |
| +75 | 28°03'07" | " |
| 7+00 | 35°12'50" | " |
| +25 | 42°22'34" | 24.935 |
| E.C. 7+34.16 B.C. Pt. R=100' | 45°00'00" | 9.16 |
| 11+24.16 $\Delta=90^\circ$ T=100' L=157.08 d=17.188734 | | |
| +50 | 7°24'10" | 25.77 |
| +75 | 14°33'53" | 24.935 |
| 12+00 | 21°43'36" | " |
| +25 | 28°53'19" | " |
| +50 | 36°03'02" | 24.935 |

9-23-52

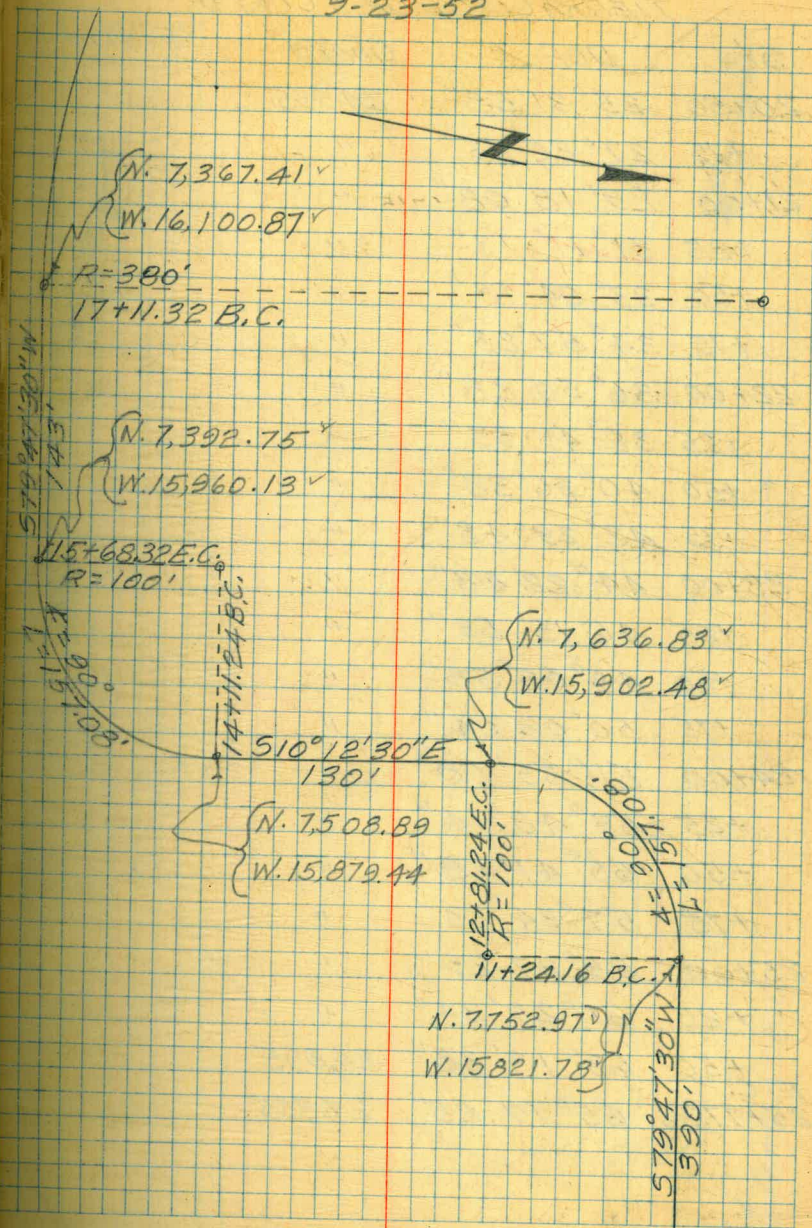
Inst. Gurley \blacksquare T. Stamper
No 402086 π R. Sisson
 ϕ A. Sherry
 ϕ R. Shorey



CURVE DATA CONT'D

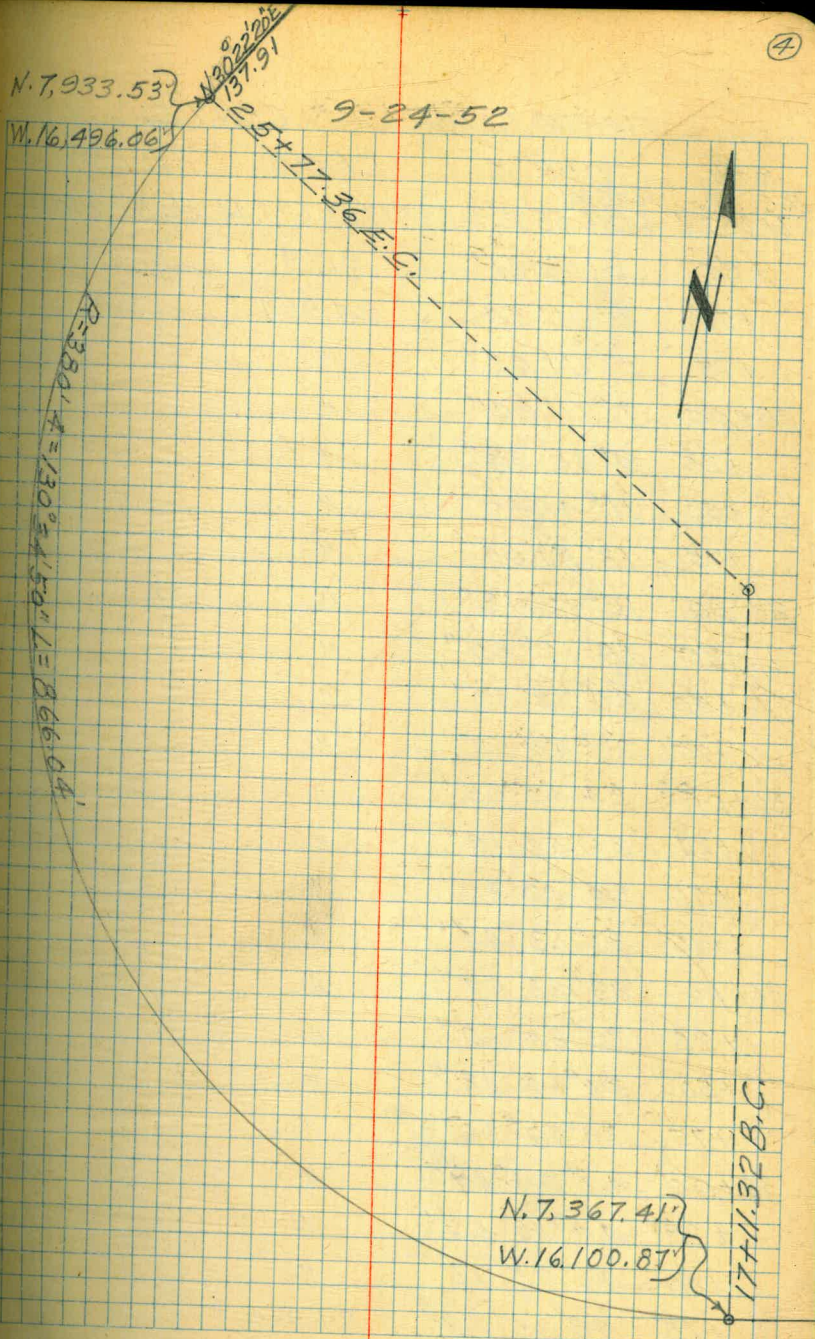
| Sta. | Def \angle | Chord |
|----------|--|----------------|
| 12+75 | 43°12'45" | 24.935 |
| E.C. | | |
| 12+81.24 | 45°00'00" | 6.24 |
| B.C.Rt. | R=100' | |
| 14+11.24 | $\Delta=90^\circ T=100' L=157.08'$ | $d=17.188734$ |
| +25 | 3°56'31" | 13.75 |
| +50 | 11°00'14" | 24.935 |
| +75 | 18°15'57" | " |
| 15+00 | 25°25'40" | " |
| +25 | 32°35'23" | " |
| +50 | 39°45'07" | 24.935 |
| E.C. | | |
| 15+68.32 | 45°00'00" | 18.2 |
| B.C.Rt. | R=100' | |
| 17+11.32 | $\Delta=130^\circ 34' 50'' R=380' L=866.04'$ | $d=4.52335105$ |
| +25 | 1°01'53" | 13.68 |
| +50 | 2°54'58" | 24.935 |
| +75 | 4°48'03" | " |
| 18+00 | 6°41'08" | " |
| +25 | 8°34'13" | " |
| +50 | 10°27'18" | " |
| +75 | 12°20'23" | " |
| 19+00 | 14°13'28" | " |
| +25 | 16°06'35" | " |
| +50 | 17°59'38" | " |
| +75 | 19°52'43" | " |
| 20+00 | 21°45'48" | " |
| +25 | 23°38'53" | " |

9-23-52



TIERRA CURVE DATA CONT'D

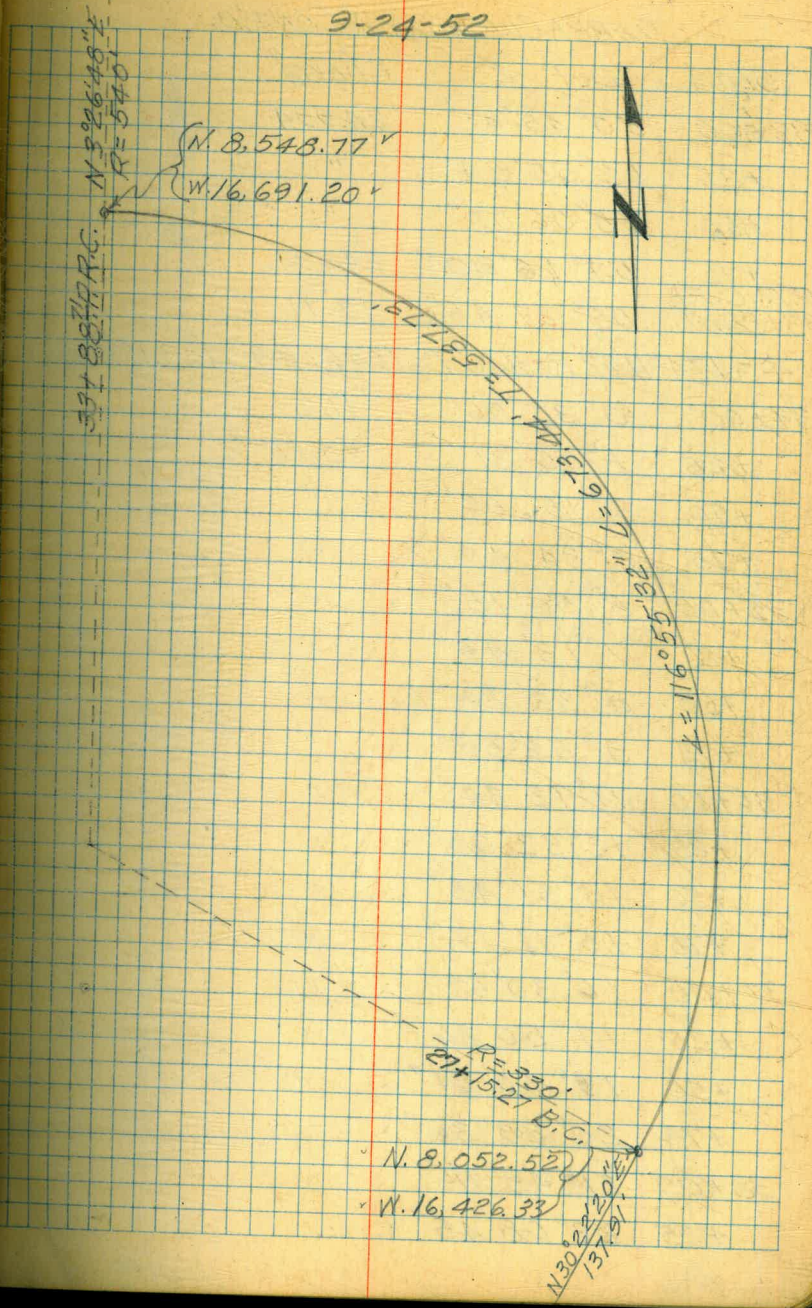
| Sta | Def L | Chord |
|----------|-------------|--------|
| 20+50 | 25° 31' 58" | 24.995 |
| +75 | 27° 25' 03" | " |
| 21+00 | 29° 18' 08" | " |
| +25 | 31° 11' 13" | " |
| +50 | 33° 04' 18" | " |
| +75 | 34° 57' 23" | " |
| 22+00 | 36° 50' 28" | " |
| +25 | 38° 43' 33" | " |
| +50 | 40° 36' 38" | " |
| +75 | 42° 29' 43" | " |
| 23+00 | 44° 22' 48" | " |
| +25 | 46° 15' 53" | " |
| +50 | 48° 08' 58" | " |
| +75 | 50° 02' 04" | " |
| 24+00 | 51° 55' 08" | " |
| +25 | 53° 48' 14" | " |
| +50 | 55° 41' 18" | " |
| +75 | 57° 34' 23" | " |
| 25+00 | 59° 27' 29" | " |
| +25 | 61° 20' 34" | " |
| +50 | 63° 13' 38" | 24.995 |
| E.C. | | |
| 25+77.36 | 65° 17' 25" | 27.355 |



TIERRA CURVE DATA CONT'D.

| Sta | def \angle | Chord |
|-------------------|---|--|
| B.C. Lt. 27+15.27 | $R=330'$ $\Delta=116^{\circ}55'32''$ | $T=537.73'$ $L=673.44'$ $d=5.20870727$ |
| +25 | $0^{\circ}50'41''$ | 9.73 |
| +50 | $3^{\circ}00'54''$ | 24.994 |
| +75 | $5^{\circ}11'07''$ | " |
| 28+00 | $7^{\circ}21'20''$ | " |
| +25 | $9^{\circ}31'33''$ | " |
| +50 | $11^{\circ}41'46''$ | " |
| +75 | $13^{\circ}51'59''$ | " |
| 29+00 | $16^{\circ}02'12''$ | " |
| +25 | $18^{\circ}12'25''$ | " |
| +50 | $20^{\circ}22'38''$ | " |
| +75 | $22^{\circ}32'52''$ | " |
| 30+00 | $24^{\circ}43'05''$ | " |
| +25 | $26^{\circ}53'18''$ | " |
| +50 | $29^{\circ}03'31''$ | " |
| +75 | $31^{\circ}13'44''$ | " |
| 31+00 | $33^{\circ}23'57''$ | " |
| +25 | $35^{\circ}34'10''$ | " |
| +50 | $37^{\circ}44'23''$ | " |
| +75 | $39^{\circ}54'36''$ | " |
| 32+00 | $42^{\circ}04'49''$ | " |
| +25 | $44^{\circ}15'02''$ | " |
| +50 | $46^{\circ}25'15''$ | " |
| +75 | $48^{\circ}35'28''$ | 24.994 |

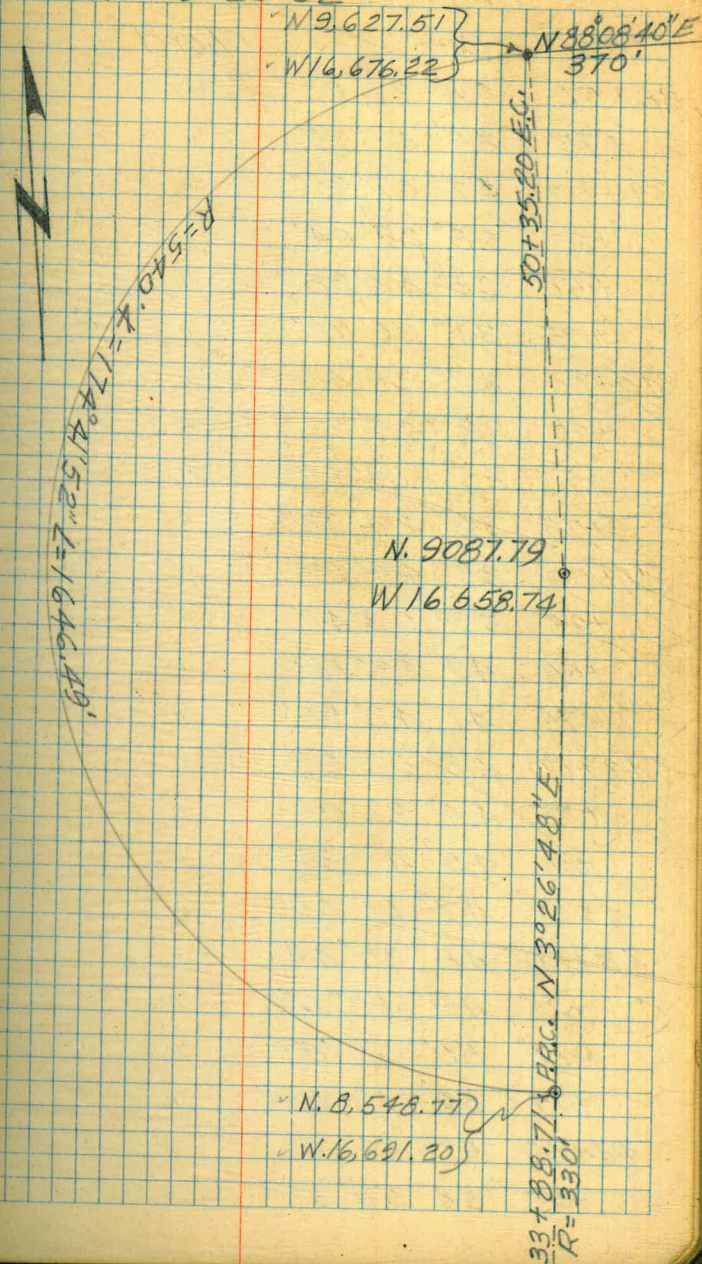
9-24-52



TIERRA CURVED DATA CONT'D.

| Sta. | Def \angle | Chord |
|---|--|--------|
| 33+00 | $50^{\circ}45'41''$ | 24.994 |
| +25 | $52^{\circ}55'54''$ | " |
| +50 | $55^{\circ}06'07''$ | " |
| +75 | $57^{\circ}16'20''$ | 24.994 |
| P.R.C.R. 33+88.71 | $58^{\circ}27'46''$ | 13.71 |
| $\Delta = 174^{\circ}41'52''$ $R = 540'$ $L = 1646.49$ $d = 3.18309988$ | | |
| 34+00 | $0^{\circ}35'56''$ ✓ | 11.29 |
| +25 | $1^{\circ}55'31''$ ✓ | 25.00 |
| +50 | $3^{\circ}15'05''$ ✓ | " |
| +75 | $4^{\circ}34'40''$ ✓ | " |
| 35+00 | $5^{\circ}54'15''$ ✓ | " |
| +25 | $7^{\circ}13'49''$ ✓ | " |
| +50 | $8^{\circ}33'24''$ ✓ | " |
| +75 | $9^{\circ}52'59''$ ✓ | " |
| 36+00 | $11^{\circ}12'34''$ ✓ | " |
| +25 | $12^{\circ}32'08''$ ✓ | " |
| +50 | $13^{\circ}51'43''$ ✓ | " |
| +75 | $15^{\circ}11'17''$ ✓ | " |
| 37+00 | $16^{\circ}30'52''$ ✓ | " |
| +25 | $17^{\circ}50'26''$ ✓ | " |
| +50 | $19^{\circ}10'01''$ ✓ | " |
| +75 | $20^{\circ}29'36''$ ✓ | " |
| 38+00 | $21^{\circ}49'11''$ ✓ | " |
| +25 | $23^{\circ}08'45''$ ✓ | " |

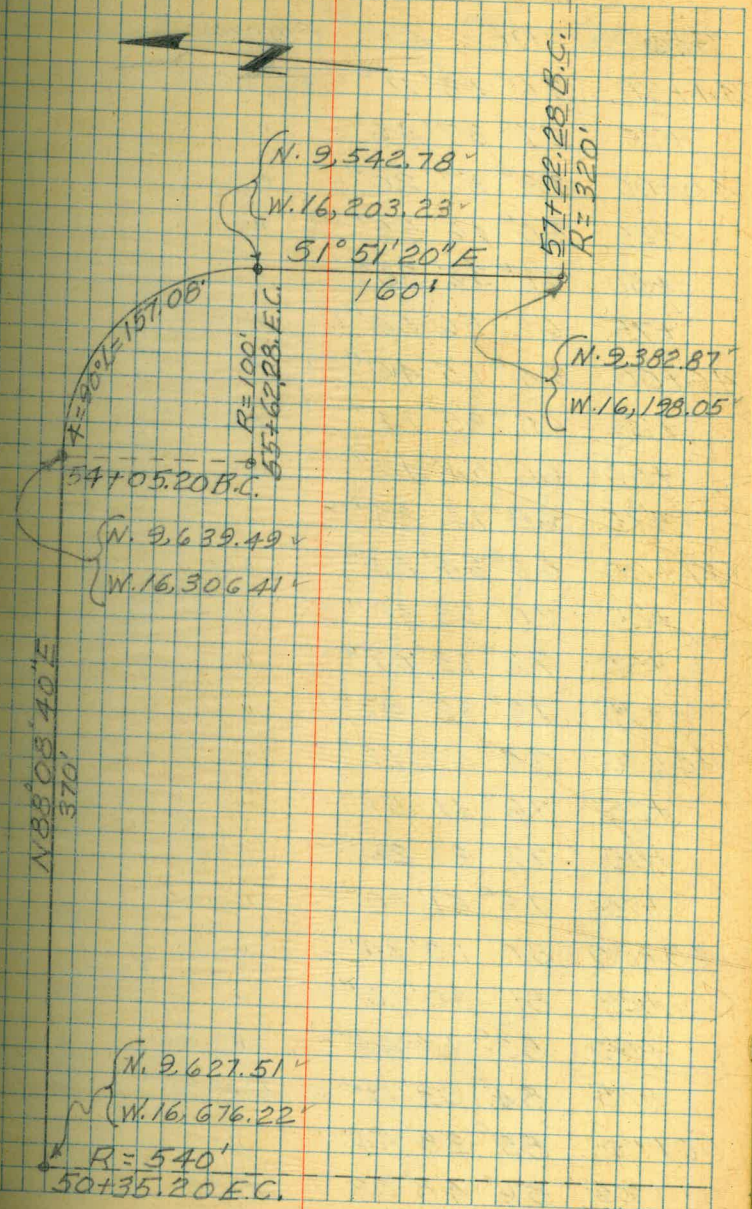
9-25-52



TIERRA CURVE DATA CONT'D.

| Sta. | Def L | Chord |
|-------|---------------|-------|
| 38+50 | 24° 28' 20" L | 25.00 |
| +75 | 25° 47' 55" L | " |
| 39+00 | 27° 07' 30" L | " |
| +25 | 28° 27' 04" L | " |
| +50 | 29° 46' 38" L | " |
| +75 | 31° 06' 13" L | " |
| 40+00 | 32° 25' 48" L | " |
| +25 | 33° 45' 22" L | " |
| +50 | 35° 04' 57" L | " |
| +75 | 36° 24' 32" L | " |
| 41+00 | 37° 44' 07" L | " |
| +25 | 39° 03' 41" L | " |
| +50 | 40° 23' 16" L | " |
| +75 | 41° 42' 50" L | " |
| 42+00 | 43° 02' 25" L | " |
| +25 | 44° 22' 00" L | " |
| +50 | 45° 41' 34" L | " |
| +75 | 47° 01' 09" L | " |
| 43+00 | 48° 20' 44" L | " |
| +25 | 49° 40' 18" L | " |
| +50 | 50° 59' 53" L | " |
| +75 | 52° 19' 28" L | " |
| 44+00 | 53° 39' 02" L | " |
| +25 | 54° 58' 37" L | " |

9-26-52



TIERRA CURVE DATA CONT'D.

9-26-52

3

| Sta. | Def. \angle | Chord |
|----------|----------------------|-------|
| 44+50 | 56° 18' 11" \angle | 25.00 |
| +75 | 57° 37' 46" \angle | " |
| 45+00 | 58° 57' 20" \angle | " |
| +25 | 60° 16' 55" \angle | " |
| +50 | 61° 36' 30" \angle | " |
| +75 | 62° 56' 04" \angle | " |
| 46+00 | 64° 15' 40" \angle | " |
| +25 | 65° 35' 14" \angle | " |
| +50 | 66° 54' 49" \angle | " |
| +75 | 68° 14' 23" \angle | " |
| 47+00 | 69° 34' 00" \angle | " |
| +25 | 70° 53' 32" \angle | " |
| +50 | 72° 13' 07" \angle | " |
| +75 | 73° 32' 42" \angle | " |
| 48+00 | 74° 52' 17" \angle | " |
| +25 | 76° 11' 51" \angle | " |
| +50 | 77° 31' 26" \angle | " |
| +75 | 78° 51' 00" \angle | " |
| 49+00 | 80° 10' 34" \angle | " |
| +25 | 81° 30' 10" \angle | " |
| +50 | 82° 49' 44" \angle | " |
| +75 | 84° 09' 19" \angle | " |
| 50+00 | 85° 28' 54" \angle | " |
| +25 | 86° 48' 28" \angle | 25.00 |
| E.C. | | |
| 50+35.20 | 87° 20' 56" \angle | 10.20 |

N14°
94.07'

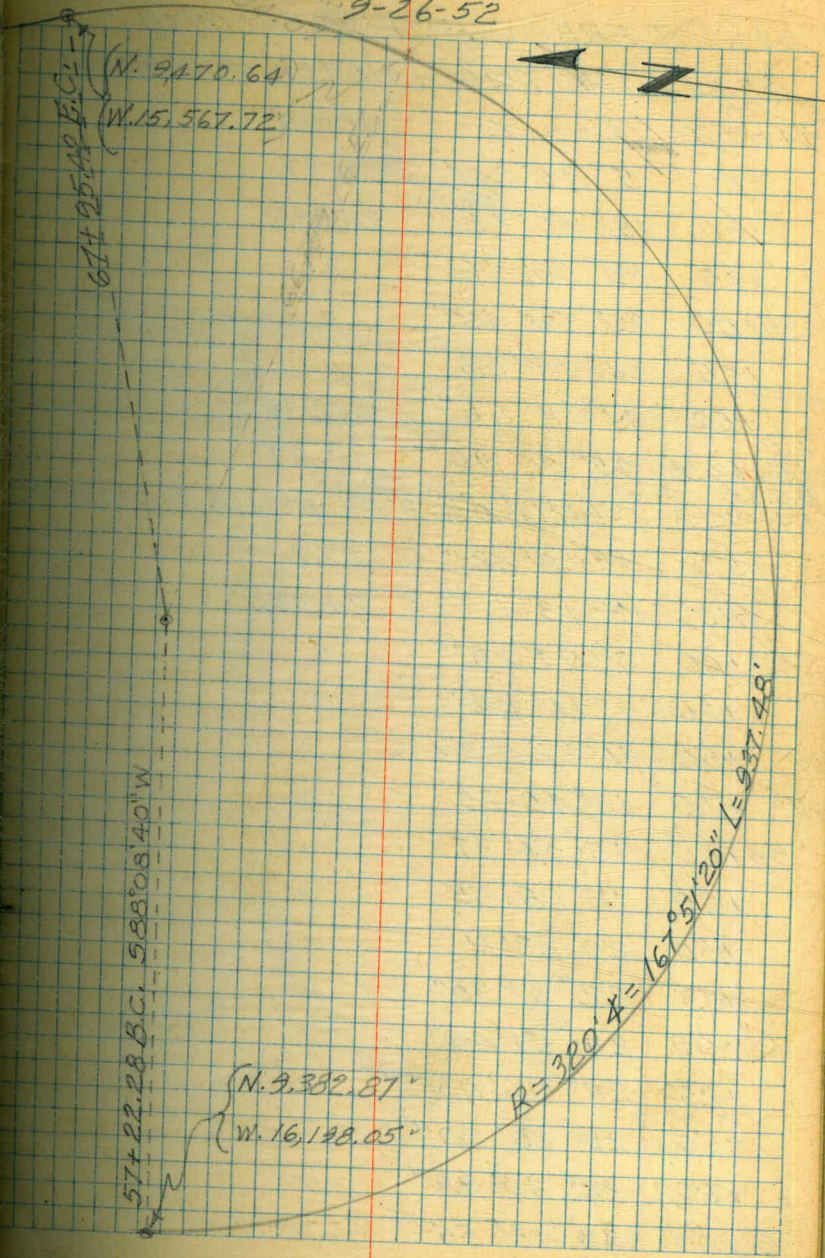
67+25+28 B.C.

N. 9,470.64'
W. 15,567.72'

57+22+28 B.C. 588'08"40" W

N. 9,382.87'
W. 16,128.05'

R=320' $\Delta=167^{\circ}51'20''$ L=237.48'



Sta. TIERRA CURVE DATA CONT'D.

$\Delta = 90^\circ$ $R = 100'$ $T = 100'$ $L = 157.08$ $d = 17.188734$

B.C.P.T.

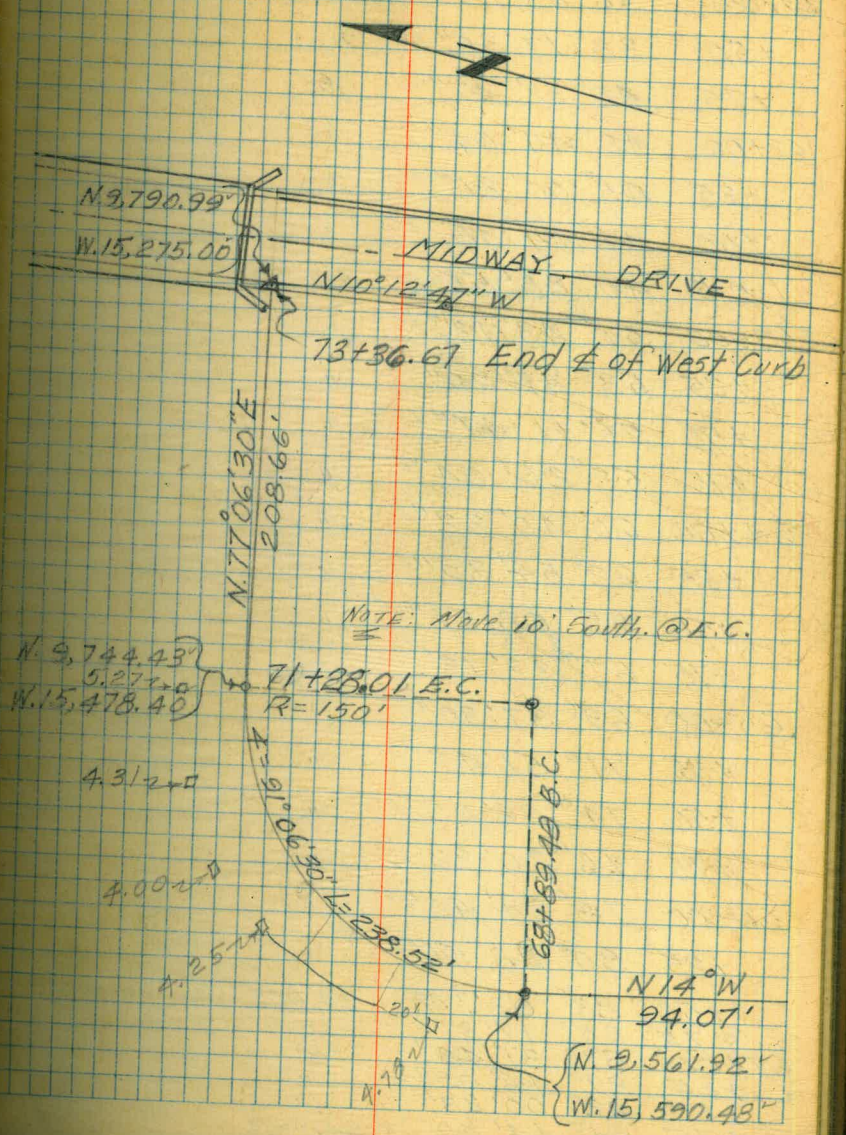
| Sta | Def \angle | Chord |
|----------|---------------------|--------|
| 54+05.20 | | |
| +25 | $5^\circ 40' 20''$ | 19.77 |
| +50 | $12^\circ 50' 03''$ | 24.935 |
| +75 | $19^\circ 59' 46''$ | " |
| 55+00 | $27^\circ 09' 49''$ | " |
| +25 | $34^\circ 19' 08''$ | " |
| +50 | $41^\circ 28' 56''$ | 24.935 |

E.C.
55+62.28 $\Delta = 45^\circ 00' 00''$ $L = 12.27$

B.C.P.T.
57+22.28 $\Delta = 192^\circ 08' 40''$ $R = 320'$ $L = 1073.14$ $d = 5.371479$

| | | |
|-------|---------------------|--------|
| +50 | $2^\circ 28' 54''$ | 27.71 |
| +75 | $4^\circ 43' 11''$ | 24.992 |
| 58+00 | $6^\circ 57' 28''$ | " |
| +25 | $9^\circ 11' 46''$ | " |
| +50 | $11^\circ 26' 02''$ | " |
| +75 | $13^\circ 40' 20''$ | " |
| 59+00 | $15^\circ 54' 37''$ | " |
| +25 | $18^\circ 08' 55''$ | " |
| +50 | $20^\circ 23' 11''$ | " |
| +75 | $22^\circ 37' 30''$ | " |
| 60+00 | $24^\circ 51' 46''$ | " |
| +25 | $27^\circ 06' 03''$ | " |
| +50 | $29^\circ 20' 20''$ | " |
| +75 | $31^\circ 34' 38''$ | " |
| 61+00 | $33^\circ 48' 55''$ | " |

9-26-52 T.A. Stammer



TIERRA CURVE DATA CONT'D.

9-26-52

| Sta. | Def. \angle | Chord |
|-------------|----------------------|--------|
| 61+25 | 36° 03' 12" \angle | 24.992 |
| +50 | 38° 17' 30" \angle | " |
| +75 | 40° 31' 47" \angle | " |
| 62+00 | 42° 46' 04" \angle | " |
| +25 | 45° 00' 21" \angle | " |
| +50 | 47° 14' 38" \angle | " |
| +75 | 49° 28' 55" \angle | " |
| 63+00 | 51° 43' 13" \angle | " |
| +25 | 53° 57' 30" \angle | " |
| +50 | 56° 11' 47" \angle | " |
| +75 | 58° 26' 04" \angle | " |
| 64+00 | 60° 40' 22" \angle | " |
| +25 | 62° 54' 39" \angle | " |
| +50 | 65° 08' 56" \angle | " |
| +75 | 67° 23' 13" \angle | " |
| 65+00 | 69° 37' 30" \angle | " |
| +25 | 71° 51' 47" \angle | " |
| +50 | 74° 06' 05" \angle | " |
| +75 | 76° 20' 22" \angle | " |
| 66+00 | 78° 34' 40" \angle | " |
| +25 | 80° 48' 56" \angle | " |
| +50 | 83° 03' 14" \angle | 24.992 |
| E.C. +75 | 85° 17' 31" \angle | " |
| 67+00 | 87° 31' 48" \angle | " |
| +25 | 89° 46' 05" \angle | " |
| +50 | 92° 00' 23" \angle | " |
| +75 | 94° 14' 40" \angle | 24.992 |
| E.C. +95.42 | 96° 04' 20" \angle | 20.42 |

TIERRA CURVEDATA CONTD:

9-29-52

11

| Sta. | Def. \angle | Chord |
|----------------------|---|---|
| B.C. Pt. 68+89.49 | $\Delta = 91^{\circ}06'30''$ | $R = 150'$ $L = 238.52'$ $C = 11.4591560$ |
| +75 | $4^{\circ}02'35''$ | 21.15 |
| 69+00 | $2^{\circ}00'26''$ | 10.51 |
| +25 | $6^{\circ}46'55''$ | 24.97 |
| +50 | $11^{\circ}33'23''$ | " |
| +75 | $16^{\circ}19'52''$ | " |
| 70+00 | $21^{\circ}06'21''$ | " |
| +25 | $25^{\circ}52'50''$ | " |
| +50 | $30^{\circ}39'19''$ | " |
| +75 | $35^{\circ}25'47''$ | 24.97 |
| 71+00 | $40^{\circ}12'16''$ | 24.97 |
| E.C. 71+28.01 | $45^{\circ}33'15''$ | 27.97 |
| +50 | TAN. | 21.99 $N 77^{\circ}06'30'' E$ |
| +75 | | 25.00 |
| 72+00 | | 25.00 |
| +25 | | 25.00 |
| +50 | | 25.00 |
| +75 | | 25.00 |
| 73+00 | | 25.00 |
| +25 | | 25.00 |
| END 73+36.67 | | 11.67 |

1/2 of West Curb Midway Drive

PROFILE OF PROPOSED DRAINAGE
CONTROL LAYOUT TIERRA W HALF

| Sta | + H.I. | - Elev. |
|---------------|--------|---------|
| B.M. | | 12.68 |
| 45+25 | | 13.01 |
| +50 | | 12.62 |
| +54 | | 12.7 |
| +55 | | 11.3 |
| +59 | | 10.2 |
| +62 | | 10.4 |
| +63 | | 12.7 |
| +59 Rt. II | | 12.7 |
| +75 | | 12.84 |
| 46+00 | | 13.20 |
| +25 | | 13.62 |
| +50 | | 13.52 |
| +75 | | 13.47 |
| 47+00 | | 13.81 |
| +25 | | 14.23 |
| +50 | | 14.65 |
| +75 | | 14.39 |
| 48+00 | | 14.35 |
| +25 | | 13.92 |
| +38 | | 13.2 |
| +50 | | 13.67 |

9-30-52

T.A. Stamper

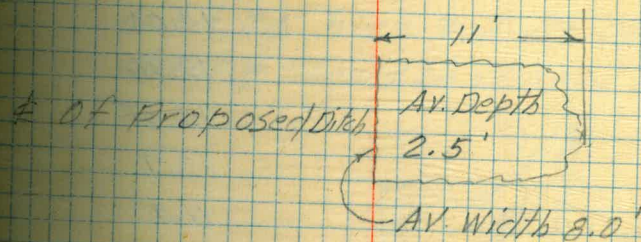
R.E. Siisson

R.D. Shorey

A.E. Sherry

Top of "2x2" Hub Sta 45+00

NOTE: This profile is cont'd from
Mission Bay Field Book No. 80



NOTE: Levels are taken with direct
reading rod

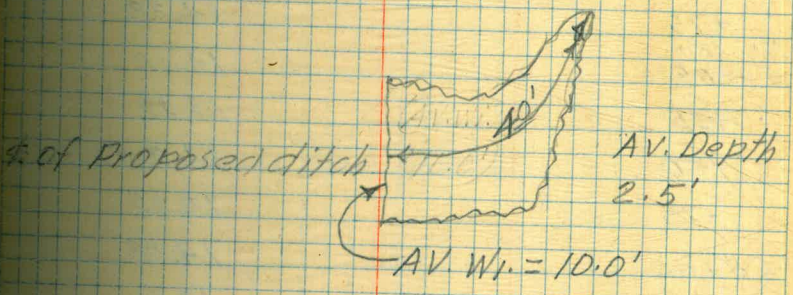
d of wash

TIERRA PROFILE CONT'D.

9-30-52

| Sta | + H.I. | - Elev. |
|----------|--------|---------|
| 48+75 | | 13.71 |
| 49+00 | | 13.49 |
| +25 | | 14.07 |
| +50 | | 14.18 |
| TR +75 | | 14.45 |
| 50+00 | | 14.04 |
| +25 | | 13.96 |
| 50+35.20 | | 13.97 |
| +39 | | 13.7 |
| +43 | | 11.4 |
| +47 | | 10.7 |
| +50 | | 11.17 |
| +51 | | 13.5 |
| +47 | | 13.9 |
| Rt. 19' | | 13.9 |
| +75 | | 13.54 |
| +90 | | 13.8 |
| +91 | | 12.5 |
| +97 | | 11.5 |
| 51+00 | | 11.75 |
| +04 | | 12.7 |
| +05 | | 14.0 |
| +25 | | 13.85 |
| +50 | | 13.85 |
| +75 | | 14.15 |

NOTE: From Sta 49+50 To Sta.
 50+35.20 E.C. there are 23 Shrubs
 About 24" high & 3' Rt. of $\frac{1}{2}$ of
 ditch & should be moved



Wash

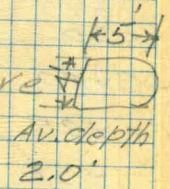
TIERRA PROFILE CONT'D

| Sta | H.I. | Elev. |
|----------------------|------|-------|
| 52+00 | | 14.00 |
| +25 | | 14.38 |
| +50 | | 14.29 |
| +75 | | 14.28 |
| 53+00 | | 14.08 |
| +25 | | 14.05 |
| +50 | | 14.30 |
| +75 | | 14.28 |
| B.C. Rt. 54+05.20 | | 14.10 |
| +25 | | 13.99 |
| +50 | | 14.2 |
| +75 | | 14.65 |
| 55+00 | | 14.08 |
| +18 | | 13.6 |
| +22 | | 11.1 |
| +25 | | 11.17 |
| +28 | | 13.2 |
| +50 | | 13.64 |
| B.C. Lt. 55+62.28 | | 13.80 |
| +75 | | 13.76 |
| 56+00 | | 13.75 |
| +25 | | 13.66 |
| TP. +50 | | 13.94 |
| +75 | | 13.54 |

9-30-52

Ground Shot Hub gone

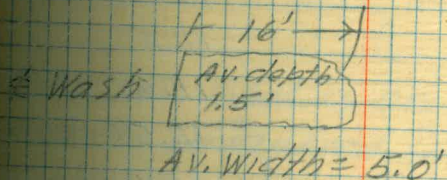
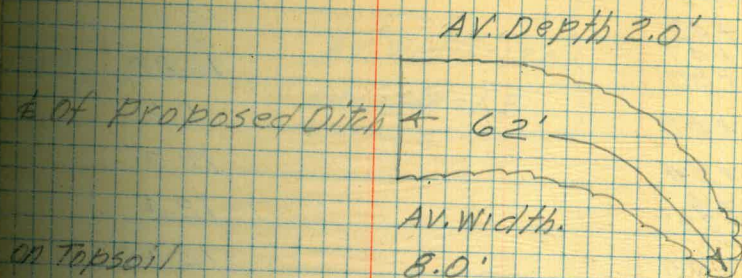
A ditch should be drained here



TIERRA PROFILE CONT'D.

9-30-52

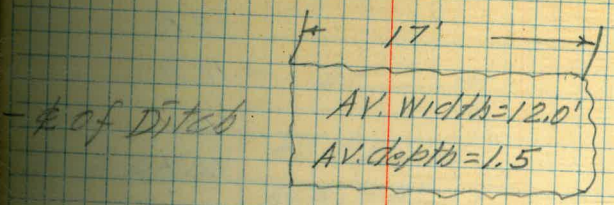
| Sta | + | H.I. | - | Elev. |
|----------|-----|------|---|-------|
| 57+00 | | | | 13.70 |
| | +18 | | | 13.3 |
| B.C. LT. | | | | |
| 57+22.28 | | | | 11.88 |
| | +25 | | | 11.4 |
| | +28 | | | 11.2 |
| | +31 | | | 13.3 |
| | +25 | | | 14.0 |
| Rt. 52' | | | | |
| | +50 | | | 13.56 |
| | +61 | | | 13.4 |
| | +63 | | | 12.1 |
| | +66 | | | 11.5 |
| | +75 | | | 11.98 |
| | +77 | | | 13.3 |
| | +75 | | | 13.6 |
| Rt 20 | | | | |
| 58+00 | | | | 13.40 |
| | +25 | | | 13.51 |
| | +50 | | | 13.92 |
| | +75 | | | 13.65 |
| 59+00 | | | | 13.39 |
| | +25 | | | 12.78 |
| | +50 | | | 12.48 |
| | +75 | | | 11.95 |
| 60+00 | | | | 11.66 |
| | +25 | | | 12.15 |



TIERRA PROFILE CONT'D

9-30-52

| Sta | + H.I. | - Elev. |
|---------|--------|---------|
| 60+40 | | 11.9 |
| +43 | | 10.6 |
| +47 | | 9.7 |
| +50 | | 10.82 |
| +52 | | 10.6 |
| +54 | | 12.0 |
| +47 | | 12.4 |
| Rt. 23' | | |
| +75 | | 12.48 |
| 61+00 | | 12.3 |
| +25 | | 12.3 |
| +50 | | 11.9 |
| +65 | | 11.6 |
| TP. +75 | | 12.57 |
| +75 | | 10.0 |
| Lt. 6' | | 10.4 |
| +81 | | 12.2 |
| +83 | | 12.6 |
| +83 | | 12.39 |
| Rt 22' | | 12.52 |
| 62+00 | | 12.43 |
| +25 | | 12.15 |
| +50 | | 12.17 |
| +75 | | 12.00 |
| 63+00 | | 12.2 |
| +25 | | 12.16 |
| +50 | | |
| +75 | | |



Ground Shot Hub gone
 " " " "

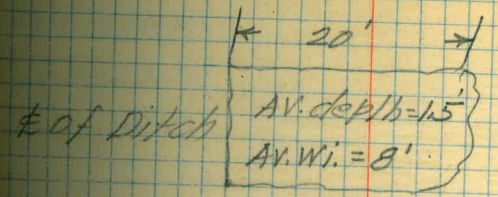
NOTE: this shot is on a pile of dirt
 & should be ignored in plotting profile
 but is on E of Wash & Drain should be
 installed here
 end ditch No topsoil needed

Ground Shot this gone

TIERRA PROFILE CONT'D

9-30-52

| Sta | + | H.I. | - | Elev. |
|----------|-----|------|---|--------|
| 64+00 | | | | 12.01 |
| | +04 | | | 11.9 |
| | +05 | | | 10.7 |
| | +08 | | | 10.5 |
| | +10 | | | 11.0 |
| | +11 | | | 12.0 |
| | +08 | | | 12.2 |
| RT. 20 | | | | 12.2 |
| | +25 | | | 12.1 |
| | +50 | | | 12.2 |
| | +75 | | | 12.1 |
| T.B.M. | | | | 13.225 |
| | | | | 13.23 |
| 65+00 | | | | 12.3 |
| | +25 | | | 12.2 |
| | +50 | | | 12.6 |
| | +75 | | | 12.7 |
| 66+00 | | | | 12.8 |
| | +25 | | | 12.81 |
| | +50 | | | 12.98 |
| | +75 | | | 12.9 |
| 67+00 | | | | 12.9 |
| | +25 | | | 12.8 |
| | +50 | | | 12.5 |
| | +75 | | | 12.48 |
| Ec. | | | | 12.55 |
| 67+95.42 | | | | |



Ground Shot Hub gone
 " " " "

N. 9,000; W. 15,600 Top of "2x2" Hub

Ground Shot Hub gone
 " " " "
 " " " "
 " " " "

Found Hub

Ground Shot Hub gone
 " " " "
 " " " "

" No top soil needed
 Note ditch is filled with trash dumped in piles & needs to be segregated & compacted

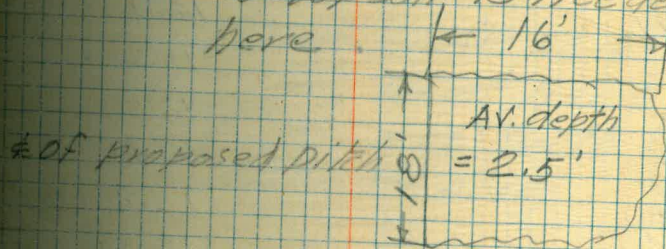
TIERRA PROFILE CONTD.

| Sta | + | H.I. | - | Elev. |
|----------|---|------|---|-------|
| 67+54 | | | | 12.6 |
| Rt. 9 | | | | 12.5 |
| 68+25 | | | | 12.42 |
| +50 | | | | 12.76 |
| +75 | | | | 12.38 |
| B.C. Rt. | | | | 12.22 |
| 68+89.49 | | | | 12.38 |
| 69+00 | | | | 12.33 |
| +25 | | | | 12.23 |
| +50 | | | | 12.0 |
| +59 | | | | 9.4 |
| +62 | | | | 8.4 |
| +67 | | | | 8.0 |
| +70 | | | | 8.69 |
| +75 | | | | 12.0 |
| +77 | | | | 12.2 |
| +70 | | | | 12.06 |
| Rt 16' | | | | 12.35 |
| 70+00 | | | | 12.09 |
| +25 | | | | 12.34 |
| +50 | | | | 12.2 |
| +75 | | | | 12.2 |
| Rt. 10' | | | | 12.2 |
| 68+89.49 | | | | 12.7 |
| Rt. 10' | | | | 12.8 |
| 69+00 | | | | 12.2 |
| Rt. 10' | | | | |
| +25 | | | | |
| Rt 15' | | | | |
| +50 | | | | |
| Rt 20' | | | | |
| +75 | | | | |

9-30-52

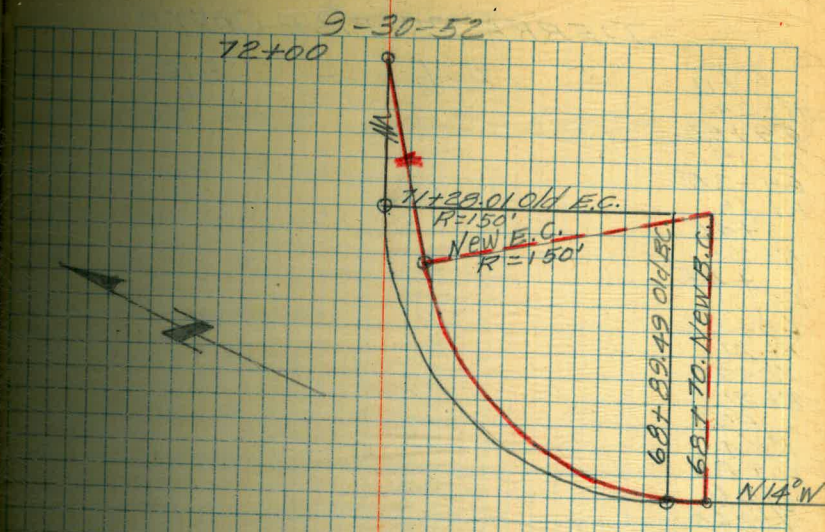
Low Spot

NOTE: IF alignment is changed
 no topsoil is needed
 here.



TIERRA PROFILE CONT'D

| Sta | + H. I. | - Elev. |
|----------|---------|---------|
| 70+00 | | 12.3 |
| Rt. 20' | | |
| +25 | | 12.4 |
| Rt. 20' | | |
| +50 | | 12.6 |
| Rt. 20' | | |
| +73 | | 12.6 |
| 71+00 | | 12.39 |
| Rt. 20' | | |
| 71+00 | | 12.6 |
| +25 | | 12.3 |
| 71+26 | | 11.2 |
| EC | | |
| 71+28.01 | | 11.13 |
| Rt. 20' | | |
| 71+28.01 | | 12.4 |
| +30 | | 11.2 |
| +32 | | 12.2 |
| +50 | | 12.40 |
| Rt. 20' | | |
| +50 | | 12.4 |
| +75 | | 12.34 |
| Rt. 20' | | |
| +75 | | 12.4 |
| 72+00 | | 11.93 |
| Rt. 20' | | |
| 72+00 | | 12.5 |
| +25 | | 12.25 |
| Rt. 20' | | |
| +25 | | 12.3 |
| B.M. | | 11.21 |



NOTE: From B.C. Sta 68+89.49
to Sta. 72+00 line should
be moved 20' South. or 5'ly.
see sketch above

End of Ditch
" " "
N. 9.000; W. 132.50 West Curb B/L.

TIERRA PROFILE CONT'D

| Sta | H.I. | Elev. |
|---------|------|-------|
| RT 25' | | |
| 69+25 | | |
| RT 19 | | |
| 69+25 | | |
| RT 16 | | |
| +45 | | |
| RT 25 | | |
| +45 | | |
| RT 7' | | |
| 69+92 | | |
| RT 8' | | |
| 70+25 | | |
| RT 3' | | |
| +56 | | |
| RT 4' | | |
| +82 | | |
| RT 1' | | |
| 71+00 | | |
| on line | | |
| +18 | | |
| Lt. 2' | | |
| +33 | | |
| Lt. 6' | | |
| 71+67 | | |

Continued in Mission Bay
Field book No 80

9-30-52

(20)

| | | |
|-------------------------------------|--|--|
| 24" High Shrub (Penis-Erectus, 999) | | |
| " " " | | |
| " " " | | |
| " " " | | |
| " " " | | |
| " " " | | |
| " " " | | |
| " " " | | |
| " " " | | |
| " " " | | |
| " " " | | |
| 6' " Pine | | |

PROFILE ALONG NLY. SIDE OF
MODEL YACHT POOL TIERRA
DEL-FUEGO-ISLAND

| Sta | + H.I. | - Elev. |
|------|--------|---------|
| B.M. | | 15.018 |
| 0+00 | | 11.06 |
| +25 | | 10.75 |
| 0+35 | | 10.0 |

PROFILE OF PROPOSED DRAIN

| | | |
|-------------------------|-------------------|------|
| 0+35 = 0+00 of Drain | | 10.0 |
| 0+04 | Plot 3+00 Profile | |
| 0+18 | instead | 9.9 |
| 0+50 | | 6.2 |

MAIN PROFILE CONTD

| | | |
|------|--|-------|
| 0+43 | | 8.8 |
| 0+50 | | 10.8 |
| 0+75 | | 10.89 |
| 1+00 | | 11.05 |
| +25 | | 11.09 |
| +50 | | 11.09 |
| +75 | | 11.02 |
| 2+00 | | 10.83 |
| +25 | | 10.87 |
| +50 | | 10.77 |
| +75 | | 10.64 |
| 3+00 | | 10.49 |

9-30-52 T. Stamber

R. 5153011

A. Sherry

R. Shorey

End of Ditch = 8+00 →

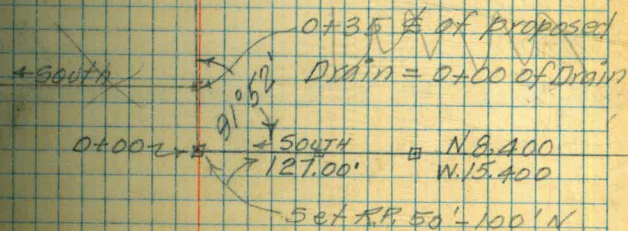
Cluster of three
Nails in W. Base of Flag
Pole @ E. End of Model
Yacht Pool

Baseline 588° 08' N

Set RR 50'-100' N

+ SOUTH

50' → 50' NE
3+00 = 4 of Chute



YACHT POOL PROFILE CONT'D.

9-30-52

| Sta | H.I. | Elev |
|---------|------|-------|
| 3+25 | | 10.60 |
| TP. +50 | | 10.82 |
| +75 | | 10.66 |
| 4+00 | | 10.67 |
| +25 | | 10.80 |
| +50 | | 10.99 |
| +75 | | 10.84 |
| 5+00 | | 10.47 |
| +25 | | 10.81 |
| +50 | | 10.73 |
| +75 | | 10.80 |
| 6+00 | | 11.03 |
| +25 | | 10.97 |
| +50 | | 11.04 |
| +75 | | 11.18 |
| 7+00 | | 11.04 |
| +25 | | 10.96 |
| +50 | | 11.11 |
| +75 | | 11.38 |
| 8+00 | | 11.63 |
| B.M. | | 11.26 |

Base of Flagpole @ West End of Yacht Pool

YACHT POOL PROFILE CONTD
PROFILE @ Sta 3+00 - 0+00
of Profile South

| Sta | + H.1 | - | Elev |
|------|-------|---|-------|
| 0+00 | | | 10.49 |
| 0+10 | | | 9.7 |
| 0+30 | | | 8.3 |
| 0+44 | | | 6.6 |

9-30-52

NOTE: One drain @ Sta 3+00
Will drain Area's. from
East & West Ends of
Model Yacht Pool

TIERRA DEL FUEGO DRAINAGE
DITCH TO BE CONSTRUCTED

CURVE DATA

| Sta | Def | Chord | Elev | Grade | Cut | Fill |
|------------|----------------------------|--------|--------|-------|------|------|
| B.M. | | | 10.835 | | | |
| 0+00 | | | | | | |
| +50 | = Beginning of Ditch | 12.74 | 11.82 | | 0.92 | |
| 1+00 | | 12.92 | 11.62 | | 1.30 | |
| E DITCH | | | | | | |
| +30 | | 12.75 | 11.50 | | 1.25 | |
| 1+60 | | 13.14 | 11.80 | | 1.34 | |
| 2+00 | | 12.98 | 12.00 | | 0.25 | |
| +51.43 | | 13.00 | 12.26 | | 0.74 | |
| B.C. Pt | R=100' d=17.188734 | | | | | |
| 3+00 | ∠=82°05'17" L=143.27 | 12.75 | 12.11 | | 0.64 | |
| +25 | 7°09'43" | 24.935 | 12.35 | 12.04 | 0.31 | |
| +50 | 14°19'26" | 24.935 | 12.43 | 11.36 | 0.47 | |
| TR +75 | 21°29'10" | 24.935 | 12.40 | 11.89 | 0.51 | |
| 4+00 | 28°38'52" | 24.935 | 12.27 | 11.82 | 0.45 | |
| +25 | 35°48'36" | 24.935 | 12.21 | 11.74 | 0.47 | |
| E.C. +4327 | 41°02'38" | 18.244 | 12.37 | 11.65 | 0.69 | |
| 5+05 | | 61.73 | 12.88 | 11.50 | 1.39 | |
| E DITCH | | | | | | |
| +55 | | 50.00 | 12.54 | 11.10 | 1.44 | |
| B.C. Pt | R=100' d=17.188734 (77.33) | | | | | |
| 6+02.33 | ∠=82°05'17" L=143.27 | 12.64 | 11.53 | | 1.11 | |
| +25 | 6°29'40" | 22.62 | 12.78 | 11.73 | 1.05 | |
| +50 | 13°39'23" | 24.935 | 12.54 | 11.35 | 0.59 | |
| +75 | 20°49'06" | 24.935 | 12.70 | 12.18 | 0.52 | |
| 7+00 | 27°58'49" | 24.935 | 13.16 | 12.90 | 0.76 | |
| +25 | 35°08'32" | 24.935 | 13.20 | 12.63 | 0.57 | |
| E.C. +4560 | 41°02'38" | 20.56 | 13.64 | 12.81 | 0.83 | |

1-16-53

- ▣ T.A. Stampel
- ▴ R.E. Sisson
- ⊕ A.E. Sherry
- ⊕ R.D. Shorey

U.S.C. & G.S. B.M. No 1 (Causeway)

Located in E. Curb. Midway of

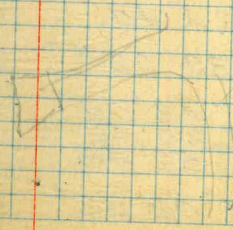
Approx. 100' N. of N. End of

S. Causeway Bridge

Set RR. 50'-100' N. of E. Ditch

Set R.P. - 100' N

Set R.P. 50'-80' E. of Ditch



TIERRA DRAINAGE DITCH CONTD

1-19-53

| Sta | Def. L | Chord | Elev. | Grade | Cut | Fill |
|---------------|--------------------------------------|--------|-------|-------|------|---------------------------------|
| 7+49.19 | | 3.59 | 13.72 | 12.85 | 0.87 | |
| 8+00 | | 50.81 | 14.10 | 13.05 | 1.05 | |
| +49.19 | | 49.19 | 14.23 | 13.25 | 0.98 | |
| 9+00 | | 50.81 | 14.08 | 13.05 | 1.03 | |
| TP. +50 | | | 13.89 | 12.85 | 1.04 | |
| 10+00 | | | 13.84 | 12.65 | 1.19 | |
| +50 | | | 13.60 | 12.45 | 1.15 | |
| 11+00 | | | 13.00 | 12.25 | 1.25 | |
| B.C. Lt. | R=100' d=17.188734 | | | | | |
| +15.60 | $\Delta=90^{\circ}00'00'' L=157.08'$ | 12.99 | 12.19 | 0.80 | | Set R.P. N. 50'-100' = Center |
| +25 | $2^{\circ}41'34''$ | 9.396 | 12.84 | 12.15 | 0.69 | |
| +50 | $9^{\circ}51'18''$ | 24.935 | 12.83 | 12.05 | 0.78 | |
| +75 | $17^{\circ}01'00''$ | 24.935 | 12.57 | 11.95 | 0.62 | |
| 12+00 | $24^{\circ}10'44''$ | 24.935 | 12.36 | 11.85 | 0.51 | |
| +11.44 | $27^{\circ}27'32''$ | 11.43 | 12.67 | 11.80 | 0.87 | |
| +25 | $31^{\circ}20'26''$ | 13.54 | 12.57 | 11.67 | 0.90 | |
| Δ P.R. | | | | | | |
| +4.44 | $36^{\circ}03'02''$ | 16.42 | 12.91 | 11.50 | 1.41 | |
| +50 | $38^{\circ}30'10''$ | 8.56 | 12.99 | 11.55 | 1.44 | Set R.P. N.W. 50'-100' (Radial) |
| E.C. | | | | | | |
| +72.68 | $45^{\circ}00'00''$ | 22.63 | 13.20 | 11.67 | 1.53 | |
| 13+00 | | 27.32 | 13.34 | 11.73 | 1.61 | |
| +50 | | | 12.96 | 11.86 | 1.10 | |
| B.C. Rt. | R=100' | | | | | |
| 14+02.68 | $\Delta=90^{\circ} L=157.08 (52.68)$ | 12.85 | 11.99 | 0.86 | | Set R.P. W. 50'-100' |
| TP. +25 | $6^{\circ}23'40''$ | 22.27 | 12.95 | 12.04 | 0.91 | |
| +50 | $13^{\circ}33'22''$ | 24.935 | 13.04 | 12.11 | 0.93 | |
| +75 | $20^{\circ}43'05''$ | 24.935 | 13.11 | 12.17 | 0.94 | |
| +91.44 | $25^{\circ}25'40''$ | 16.42 | 13.06 | 12.21 | 0.85 | |
| 15+00 | $27^{\circ}52'48''$ | 8.56 | 13.00 | 12.19 | 0.81 | |
| +25 | $35^{\circ}02'32''$ | 24.935 | 12.84 | 12.13 | 0.71 | |
| E.C. | | | | | | |
| +59.76 | $45^{\circ}00'00''$ | 34.59 | 12.83 | 12.04 | 0.79 | Set R.P. 50' N |

TIERRA DRAINAGE DITCH CONTD.

1-19-53

| Sta | Def | L | Chord | Elev. | Grade | Cut | Fill |
|----------|--------------|--------------|--------|-------|-------|------|----------------------|
| 16+00 | | | 40.24 | 12.76 | 11.94 | 0.82 | |
| +50 | | | | 13.01 | 11.81 | 1.20 | |
| B.C. RT. | R=380' | d=4.52335105 | | | | | |
| 17+02.76 | X=127°00'00" | L=842.30 | 12.95 | 11.68 | 1.27 | | Set R.P. 50'-100' |
| +25 | 1°40'36" | | 22.24 | 12.91 | 11.63 | 1.28 | |
| +50 | 3°33'41" | | 24.995 | 12.94 | 11.36 | 1.58 | |
| +76.44 | 5°33'17" | | 26.43 | 12.85 | 11.50 | 1.35 | |
| EDITED | | | | | | | |
| 18+06.44 | 7°48'59" | | 29.98 | 12.64 | 11.30 | 1.34 | Set R.P. N. 50'-100' |
| +25 | 9°12'56" | | 18.56 | 12.91 | 11.70 | 1.21 | |
| +36.44 | 10°04'41" | | 11.44 | 13.00 | 11.24 | 1.06 | 87 60 |
| +50 | 11°06'00" | | 13.56 | 13.08 | 11.77 | 1.11 | 77 47 |
| +75 | 12°59'06" | | 24.995 | 13.12 | 12.04 | 1.09 | 82° 11" |
| 19+00 | 14°52'11" | | 24.995 | 12.91 | 12.10 | 0.81 | |
| +25 | 16°45'16" | | 24.995 | 13.16 | 12.16 | 1.00 | |
| +50 | 18°38'21" | | 24.995 | 13.41 | 12.22 | 1.19 | |
| +75 | 20°31'26" | | 24.995 | 13.29 | 12.29 | 1.00 | |
| 20+00 | 22°24'31" | | 24.995 | 13.29 | 12.35 | 0.94 | |
| TR. +25 | 24°17'36" | | 24.995 | 13.14 | 12.41 | 0.73 | |
| +50 | 26°10'41" | | 24.995 | 13.22 | 12.47 | 0.75 | |
| +75 | 28°03'46" | | 24.995 | 13.18 | 12.54 | 0.64 | |
| 7 21+00 | 29°56'51" | | 24.995 | 13.10 | 12.60 | 0.50 | |
| x.p. +25 | 31°49'56" | | 24.995 | 13.08 | 12.66 | 0.42 | |
| +50 | 33°43'00" | | 24.995 | 12.86 | 12.72 | 0.14 | |
| +61.44 | 34°34'46" | | 11.44 | 13.19 | 12.74 | 0.45 | |
| +75 | 35°36'07" | | 13.66 | 13.13 | 12.67 | 0.46 | |
| ✓ 22+00 | 37°29'12" | | 24.995 | 13.39 | 12.55 | 0.84 | |

TIERRA DRAINAGE DITCH CONTD

1-30-53

| Sta | Def L | Chord | Elev | Grade | Cut | FILL |
|----------|--------------------------|--------|-------|-------|------|------|
| 22+25 | 39° 22' 16" L | 24.995 | 13.42 | 12.42 | 1.00 | |
| +50 | 41° 15' 22" L | 24.995 | 13.36 | 12.30 | 1.06 | |
| +75 | 43° 08' 26" L | 24.995 | 13.20 | 12.17 | 1.03 | |
| 23+00 | 45° 01' 32" L | 24.995 | 12.84 | 12.05 | 0.79 | |
| +25 | 46° 54' 36" L | 24.995 | 13.35 | 11.92 | 1.43 | |
| +50 | 48° 47' 42" L | 24.995 | 13.28 | 11.80 | 1.48 | |
| +61.94 | 49° 39' 26" L | 11.44 | 13.29 | 11.74 | 1.55 | |
| +75 | 50° 40' 47" L | 13.56 | 12.97 | 11.62 | 1.35 | |
| 24+00 | 52° 33' 52" L | 24.995 | 12.14 | 11.39 | 0.75 | |
| +25 | 54° 26' 57" L | 24.995 | 11.72 | 11.17 | 0.55 | |
| +50 | 56° 20' 02" L | 24.995 | 11.46 | 10.94 | 0.52 | |
| +75 | 58° 13' 07" L | 24.995 | 11.25 | 10.72 | 0.53 | |
| 25+00 | 60° 06' 12" L | 24.995 | 11.44 | 10.49 | 0.95 | |
| ± DITCH | | | | | | |
| +21.44 | 61° 43' 11" L | 21.44 | 10.71 | 10.36 | 0.41 | |
| F.C. | | | | | | |
| +45.06 | 63° 30' 00" V | 23.61 | 11.71 | 10.54 | 1.17 | |
| +81.44 | | 36.38 | 12.31 | 10.30 | 1.41 | |
| 26+00 | | 18.56 | 12.36 | 10.36 | 1.00 | |
| +50 | | 50.00 | 12.36 | 11.11 | 1.25 | |
| 27+00 | | 50.00 | 12.28 | 11.26 | 1.02 | |
| B.C. Lt. | R=320' d=5.37147937 | | | | | |
| +27.05 | ∠=104° 38' 58" L=584.47' | | 12.39 | 11.34 | 1.05 | |
| +50 | 2° 03' 16" V | 22.943 | 12.09 | 11.41 | 0.68 | |
| +75 | 4° 17' 34" L | 24.996 | 11.90 | 11.48 | 0.42 | |
| 28+00 | 6° 31' 50" L | 24.996 | 11.90 | 11.56 | 0.34 | |
| +25 | 8° 46' 08" V | " | 12.17 | 11.63 | 0.54 | |
| +50 | 11° 00' 25" V | " | 12.37 | 11.71 | 0.66 | |
| +75 | 13° 14' 43" V | " | 12.42 | 11.78 | 0.64 | |
| T.P. | | | | | | |
| 29+00 | 15 29 00" V | 24.996 | 12.42 | 11.85 | 0.57 | |

BM. 13.24 ~ 13.243
 6" Conc. Mon. 5. W. Tierra
 Radius - 380' ± Ditch

Set R.P. 50'-100' E.L.Y.
 Set R.P.E.C. 50'-100' E.L.Y.

TIERRA DRAINAGE DITCH CONTO.

1-30-53

| Sta | Def L | Chord | Elev | Grade | Cut | Fill |
|-------------|---------------------------|--------|-------|-------|------|------|
| 29+25 | 17° 43' 17" L | 24.996 | 12.52 | 11.93 | 0.59 | ✓ |
| +50 | 19° 57' 34" L | " | 12.49 | 12.00 | 0.49 | ✓ |
| +75 | 22° 11' 52" L | " | 12.57 | 12.08 | 0.49 | ✓ |
| ✓ 30+00 | 24° 26' 09" L | " | 12.53 | 12.15 | 0.38 | ✓ |
| +25 | 26° 40' 26" L | " | 12.70 | 12.23 | 0.47 | ✓ |
| +50 | 28° 54' 44" L | " | 12.78 | 12.30 | 0.48 | ✓ |
| +75 | 31° 09' 00" L | 24.996 | 12.98 | 12.38 | 0.60 | ✓ |
| +81.62 | 31° 44' 44" L | 6.62 | 13.00 | 12.40 | 0.60 | ✓ |
| ✓ 31+00 | 33° 23' 18" L | 18.38 | 13.12 | 12.49 | 0.63 | ✓ |
| +25 | 35° 37' 35" L | 24.996 | 13.45 | 12.61 | 0.84 | ✓ |
| +50 | 37° 51' 52" L | " | 13.49 | 12.73 | 0.76 | ✓ |
| +75 | 40° 06' 09" L | 24.996 | 13.45 | 12.85 | 0.60 | ✓ |
| +81.62 | 40° 41' 43" L | 6.62 | 13.54 | 12.90 | 0.64 | ✓ |
| TP 32+00 | 42° 20' 26" L | 18.38 | 13.48 | 12.85 | 0.63 | ✓ |
| +25 | 44° 34' 44" L | 24.996 | 13.39 | 12.79 | 0.60 | ✓ |
| +50 | 46° 49' 00" L | " | 13.51 | 12.73 | 0.78 | ✓ |
| +75 | 49° 03' 18" L | " | 13.50 | 12.67 | 0.83 | ✓ |
| 33+00 | 51° 17' 35" L | 24.996 | 13.38 | 12.61 | 0.77 | ✓ |
| E.C. +11.52 | 52° 19' 29" L | 11.52 | 13.31 | 12.58 | 0.73 | ✓ |
| +50 | | 38.48 | 12.93 | 12.48 | 0.45 | ✓ |
| 34+00 | | 50.00 | 13.00 | 12.35 | 0.65 | ✓ |
| B.C. Pt. | R=540' d=3.18309888 | | | | | |
| TP +13.05 | ∠=166° 00' 08" L=1569.53' | | 12.57 | 12.24 | 0.33 | ✓ |
| +75 | 1° 41' 42" L | 31.945 | 12.65 | 12.16 | 0.49 | ✓ |
| 35+00 | 3° 01' 17" L | 25.00 | 12.51 | 12.10 | 0.41 | ✓ |
| +25 | 4° 20' 51" L | 25.00 | 12.53 | 12.09 | 0.49 | L |

B.M. 15.215

Set R.P.N. 50'-100'

Set R.P.N. 50'-100'

TIERRA DRAINAGE DITCH CONTD

1-30-53

| Sta. | Def L. | Chord | Elev | Grade | Cut | Fill |
|-----------------------------|---------------|--------|-------|-------|------|------|
| 35+50 | 5° 40' 26" L | 25.00 | 12.67 | 11.78 | 0.69 | ✓ |
| +75 | 7° 00' 00" L | " | 12.89 | 11.72 | 0.97 | ✓ |
| 36+00 | 8° 19' 35" L | " | 12.73 | 11.86 | 0.87 | ✓ |
| +25 | 9° 39' 11" L | " | 12.57 | 11.80 | 0.77 | ✓ |
| +50 | 10° 58' 44" L | " | 12.75 | 11.74 | 1.01 | ✓ |
| +75 | 12° 18' 20" L | " | 12.82 | 11.68 | 1.14 | ✓ |
| 37+00 | 13° 37' 54" L | " | 12.61 | 11.62 | 0.99 | ✓ |
| +25 | 14° 57' 28" L | " | 12.61 | 11.56 | 1.05 | ✓ |
| +50 | 16° 17' 03" L | " | 12.55 | 11.50 | 1.05 | ✓ |
| +72.38 | 17° 28' 17" L | 22.38 | 12.40 | 11.42 | 0.98 | ✓ |
| ^{E DITCH} 38+00 | 19° 03' 47" L | 29.99 | 12.49 | 11.20 | 1.29 | ✓ |
| +25 | 20° 15' 47" L | 22.617 | 12.45 | 11.52 | 0.87 | ✓ |
| +32.38 | 20° 39' 17" L | 7.38 | 12.47 | 11.70 | 0.77 | ✓ |
| +50 | 21° 35' 22" L | 17.62 | 12.68 | 11.84 | 0.84 | ✓ |
| +75 | 22° 54' 56" L | 25.00 | 12.79 | 12.04 | 0.75 | ✓ |
| ^{TR} 39+00 | 24° 14' 30" L | " | 12.94 | 12.24 | 0.70 | ✓ |
| +25 | 25° 34' 05" L | 25.00 | 13.16 | 12.44 | 0.72 | ✓ |
| +32.38 | 25° 57' 35" L | 7.38 | 13.19 | 12.50 | 0.69 | ✓ |
| +50 | 26° 53' 40" L | 17.62 | 13.08 | 12.45 | 0.63 | ✓ |
| +75 | 28° 13' 15" L | 25.00 | 13.06 | 12.39 | 0.67 | ✓ |
| ^{TR} 40+00 | 29° 32' 50" L | " | 13.08 | 12.32 | 0.76 | ✓ |
| +25 | 30° 52' 24" L | " | 12.66 | 12.25 | 0.41 | ✓ |
| +50 | 32° 12' 00" L | " | 12.62 | 12.18 | 0.44 | ✓ |
| +75 | 33° 31' 34" L | " | 12.65 | 12.12 | 0.53 | ✓ |
| 41+00 | 34° 51' 08" L | 25.00 | 12.49 | 12.05 | 0.44 | ✓ |

Set RR 50'-100' E

B.M. Elec. Timing Peg.
14.43 W 14.45

TIERRA DRAINAGE DITCH CONTD

1-30-53

| Sta | Def | Chart | Elev | Grade | Cut | Fill |
|----------|---------------|-------|-------|-------|------|------|
| 41+25 | 36° 10' 43" L | 25.00 | 12.62 | 11.98 | 0.64 | ✓ |
| +50 | 37° 30' 18" L | " | 12.56 | 11.71 | 0.85 | ✓ |
| ✓ +75 | 38° 49' 52" L | " | 12.65 | 11.85 | 0.80 | ✓ |
| ✓ 42+00 | 40° 09' 27" L | " | 12.60 | 11.78 | 0.82 | ✓ |
| +25 | 41° 29' 00" L | " | 13.02 | 11.71 | 1.31 | ✓ |
| +50 | 42° 48' 36" L | " | 13.13 | 11.64 | 1.49 | ✓ |
| +75 | 44° 08' 11" L | " | 13.25 | 11.58 | 1.67 | ✓ |
| TP 43+00 | 45° 27' 45" L | " | 13.04 | 11.51 | 1.53 | ✓ |
| +25 | 46° 47' 20" L | " | 12.83 | 11.44 | 1.39 | ✓ |
| +50 | 48 06' 55" L | " | 12.67 | 11.37 | 1.30 | ✓ |
| +75 | 49° 26' 30" L | 25.00 | 12.73 | 11.31 | 1.42 | ✓ |
| +22.38 | 50° 21' 49" L | 17.38 | 12.68 | 11.22 | 1.46 | ✓ |
| ✓ 44+00 | 50° 46' 00" L | 7.62 | 12.75 | 11.21 | 1.54 | ✓ |
| to Ditch | | | | | | |
| +22.38 | 51° 57' 18" L | 22.38 | 12.08 | 11.10 | 0.98 | ✓ |
| +52.38 | 53° 32' 48" L | 29.99 | 12.62 | 11.68 | 0.94 | ✓ |
| ✓ +75 | 54° 44' 48" L | 22.62 | 12.85 | 11.82 | 1.03 | ✓ |
| ✓ 45+00 | 56° 04' 23" L | 25.00 | 12.61 | 11.97 | 0.64 | ✓ |
| +25 | 57° 24' 00" L | " | 12.78 | 12.12 | 0.66 | ✓ |
| +50 | 58° 43' 32" L | " | 13.00 | 12.27 | 0.73 | ✓ |
| TP +75 | 60° 03' 07" L | " | 13.12 | 12.42 | 0.70 | ✓ |
| 46+00 | 61° 22' 40" L | 25.00 | 13.26 | 12.57 | 0.69 | ✓ |
| +22.38 | 62° 33' 55" L | 22.38 | 13.28 | 12.70 | 0.58 | ✓ |
| +50 | 64° 01' 50" L | 27.62 | 13.22 | 12.38 | 0.24 | ✓ |
| +75 | 65° 21' 25" L | 25.00 | 13.79 | 13.23 | 0.56 | ✓ |

Set R.P. 50'-100'E

TIERRA DRAINAGE DITCH CONTD

1-30-53

| Sta | Def. \angle | Chord | Elev | Grd | Cut | Fill |
|--------|---------------|-------|-------|-------|------|------|
| 47+00 | 66° 41' 00" | 25.00 | 14.40 | 13.48 | 0.92 | ✓ |
| +22.38 | 67° 52' 14" | 22.38 | 14.47 | 13.70 | 0.77 | ✓ |
| +50 | 69° 20' 09" | 27.62 | 14.68 | 13.63 | 1.05 | ✓ |
| +75 | 70° 39' 43" | 25.00 | 14.50 | 13.57 | 0.93 | ✓ |
| 48+00 | 71° 59' 18" | " | 13.79 | 13.51 | 0.28 | ✓ |
| +25 | 73° 18' 53" | " | 14.15 | 13.54 | 0.61 | ✓ |
| +50 | 74° 38' 28" | " | 13.77 | 13.43 | 0.29 | ✓ |
| +75 | 75° 58' 00" | " | 14.01 | 13.42 | 0.59 | ✓ |
| 49+00 | 77° 17' 37" | " | 14.31 | 13.36 | 0.95 | ✓ |
| +25 | 78° 37' 12" | " | 14.71 | 13.29 | 1.42 | ✓ |
| +50 | 79° 56' 46" | " | 14.53 | 13.23 | 1.30 | ✓ |
| +75 | 81° 16' 20" | 25.00 | 14.25 | 13.17 | 1.08 | ✓ |
| 50+00 | 83° 00' 04" | 32.58 | 13.88 | 13.03 | 0.79 | ✓ |
| +22.38 | | 34.80 | 13.99 | 12.22 | 1.09 | ✓ |
| +50 | | 27.62 | 13.85 | 12.15 | 1.00 | ✓ |
| 50+00 | | 22.38 | 13.74 | 12.70 | 1.04 | ✓ |
| +25 | | 27.62 | 13.94 | 12.35 | 0.86 | ✓ |
| +50 | | 50.00 | 14.24 | 13.15 | 1.09 | ✓ |
| 51+00 | | 50.00 | 14.47 | 13.30 | 1.17 | ✓ |
| +25 | | " | 14.36 | 13.45 | 0.91 | ✓ |
| 52+00 | | " | 14.54 | 13.30 | 0.94 | ✓ |
| +22.38 | | 17.62 | 14.35 | 13.70 | 0.65 | ✓ |
| +50 | | 17.62 | 14.49 | 13.16 | 0.83 | ✓ |

Set RR 50'-100' 5

Set RR 50'-90' 5

TIERRA DRAINAGE DITCH CONTO

2-2-53

 Stamp
 51550 N
 Shorkey
 Sherry

| Sta | Def | Chord | Elev | Grade | Cut | Fill | |
|----------|-------------------------------|------------------|-------|-------|------|------|---------------------|
| | $\Delta = 90^\circ R = 100'$ | | | | | | |
| BC.Rt | | | | | | | |
| 53+77.58 | $L = 157.08$ | $d = 17.198734$ | 14.19 | 13.59 | 0.60 | ✓ | Set R.P. 50'-100'S. |
| 54+00 | $6^\circ 25' 22''$ | 22.37 | 14.14 | 13.59 | 0.61 | ✓ | |
| +25 | $13^\circ 35' 05''$ | 24.935 | 14.74 | 13.47 | 1.27 | ✓ | |
| +50 | $20^\circ 44' 48''$ | " | 14.49 | 13.4 | 1.08 | ✓ | |
| +75 | $27^\circ 54' 30''$ | " | 14.35 | 13.21 | 1.61 | ✓ | |
| 55+00 | $35^\circ 04' 14''$ | " | 13.28 | 13.28 | 0.00 | ✓ | |
| +25 | $42^\circ 14' 00''$ | " | 13.65 | 13.22 | 0.43 | ✓ | |
| EC. | | | | | | | |
| +34.66 | $45^\circ 00' 00''$ | 9.654 | 13.73 | 13.20 | 0.53 | ✓ | Set R.P. 50'-100' W |
| 56+00 | | 65.34 | 14.08 | 13.03 | 1.05 | ✓ | |
| TP. +50 | | 50.0 | 13.86 | 12.91 | 0.95 | ✓ | |
| B.C.Lt. | $R = 320'$ | $d = 5.37147937$ | | | | | |
| +24.66 | $\Delta = 192^\circ 08' 40''$ | $L = 1073.14'$ | 12.94 | 12.80 | 0.14 | ✓ | Set R.P. 50'-100' W |
| 57+00 | $0^\circ 28' 41''$ | 5.34 | 12.83 | 12.78 | 0.05 | ✓ | |
| +25 | $2^\circ 43' 00''$ | 25.00 | 13.65 | 12.72 | 0.93 | ✓ | |
| +50 | $4^\circ 57' 15''$ | " | 13.22 | 12.66 | 0.56 | ✓ | |
| +75 | $7^\circ 11' 32''$ | " | 13.47 | 12.59 | 0.88 | ✓ | |
| 58+00 | $9^\circ 25' 50''$ | 25.00 | 13.76 | 12.53 | 1.23 | ✓ | |
| +22.38 | $11^\circ 26' 03''$ | 22.38 | 13.78 | 12.47 | 1.30 | ✓ | |
| +50 | $13^\circ 54' 24''$ | 27.62 | 13.62 | 12.39 | 1.33 | ✓ | |
| +75 | $16^\circ 08' 42''$ | 25.00 | 13.34 | 12.11 | 1.23 | ✓ | |
| 59+00 | $18^\circ 23' 00''$ | " | 13.18 | 11.94 | 1.24 | ✓ | |
| +25 | $20^\circ 37' 16''$ | " | 12.47 | 11.76 | 0.71 | ✓ | |
| +50 | $22^\circ 51' 33''$ | " | 12.23 | 11.59 | 0.64 | ✓ | |
| +75 | $25^\circ 05' 50''$ | 25.00 | 12.02 | 11.41 | 0.61 | ✓ | |

TIERRA DRAINAGE DITCH CONTD

2-2-53

| Sta. | Def \angle | Chord | Elev. | Gr. | Cut | Fill |
|---------------------|---------------|-------|-------|-------|------|------|
| 59+92.38 | 26° 39' 12" v | 17.38 | 12.17 | 11.23 | 0.93 | ✓ |
| # Ditch 60+22.38 | 29° 20' 20" v | 30.00 | 11.92 | 11.10 | 0.82 | ✓ |
| +52.38 | 32° 01' 30" v | 30.60 | 12.72 | 11.28 | 1.44 | ✓ |
| +75 | 34° 03' 00" v | 22.62 | 12.66 | 11.37 | 1.27 | ✓ |
| 61+00 | 36° 17' 16" v | 25.00 | 12.46 | 11.52 | 0.94 | ✓ |
| +25 | 38° 31' 34" v | " | 12.42 | 11.64 | 0.78 | ✓ |
| TP. +50 | 40° 45' 51" v | " | 12.22 | 11.71 | 0.45 | ✓ |
| +82.38 | 43° 39' 47" v | 32.38 | 12.55 | 11.93 | 0.62 | ✓ |
| 62+00 | 45° 14' 25" v | 17.62 | 12.78 | 11.83 | 0.95 | ✓ |
| +25 | 47° 28' 43" v | 25.00 | 12.80 | 11.82 | 0.98 | ✓ |
| +50 | 49° 43' 00" v | " | 12.60 | 11.76 | 0.84 | ✓ |
| +75 | 51° 57' 17" v | " | 12.36 | 11.70 | 0.66 | ✓ |
| 63+00 | 54° 11' 34" v | " | 12.22 | 11.64 | 0.58 | ✓ |
| +25 | 56° 25' 52" v | " | 12.34 | 11.57 | 0.77 | ✓ |
| +52.38 | 58° 52' 56" v | 27.38 | 11.94 | 11.50 | 0.44 | ✓ |
| # Ditch +82.38 | 61° 34' 04" v | 30.00 | 11.63 | 11.30 | 0.33 | ✓ |
| 64+00 | 63° 08' 43" v | 17.62 | 12.15 | 11.43 | 0.72 | ✓ |
| +12.38 | 64° 15' 13" v | 12.38 | 12.31 | 11.52 | 0.79 | ✓ |
| +25 | 65° 23' 00" v | 12.62 | 12.21 | 11.56 | 0.65 | ✓ |
| +50 | 67° 37' 18" v | 25.00 | 12.19 | 11.63 | 0.56 | ✓ |
| +75 | 69° 51' 35" v | " | 12.47 | 11.71 | 0.76 | ✓ |
| 65+00 | 72° 05' 52" v | " | 12.43 | 11.70 | 0.65 | ✓ |
| +25 | 74° 20' 09" v | " | 12.61 | 11.86 | 0.75 | ✓ |
| +50 | 76° 34' 26" v | 25.00 | 12.75 | 11.93 | 0.82 | ✓ |

Set R.R. 50-100' S.W

Set R.R. 5. 60'-100' S.

TIERRA DRAINAGE DITCH CONTD

2-2-53

| Sta. | Def | Chord | Elev | Grfs | Cut | Fill | |
|---------------|---|--------|-------|-------|---------|------|--|
| 65+75 | 78° 48' 44" ✓ | 25.00 | 12.93 | 12.01 | 0.92 ✓ | TP | 12.90 |
| 66+00 | 81° 03' 00" ✓ | " | 13.15 | 12.08 | 1.07 ✓ | | |
| +25 | 83° 17' 18" ✓ | " | 13.20 | 12.16 | 1.04 ✓ | | |
| +50 | 85° 31' 35" ✓ | 25.00 | 12.90 | 12.23 | 0.67 ✓ | | Set T.B.M. on Center 150' R |
| +72.38 | 87° 31' 48" ✓ | 22.38 | 12.78 | 12.30 | 0.48 ✓ | | Elev. 12.68 |
| 67+00 | 90° 00' 10" ✓ | 27.62 | 12.60 | 12.23 | 0.37 ✓ | | Set B.M. Sta. & Ditch 73+09.05 & of |
| +25 | 92° 14' 27" ✓ | 25.00 | 12.43 | 12.17 | 0.26 ✓ | | West Curb Midway Top of Chis. Cross |
| TP +50 | 94° 28' 45" ✓ | " | 12.53 | 12.11 | 0.42 ✓ | | Elev. 12.58 |
| E.C. +67.80 | 96° 04' 20" ✓ | 17.80 | 12.43 | 12.06 | 0.37 ✓ | | Set R.P. 50'-100' E |
| 68+00 | | 32.20 | 12.42 | 11.38 | 0.44 ✓ | | |
| Rt. R. +66.87 | R=150' d=11.45 θ=91° 06' 30" L=238.52' | | 12.24 | 11.83 | 0.41 ✓ | | Set R.P. 50'-150' E |
| +75 | 2° 30' 27" ✓ | 13.125 | 12.36 | 11.73 | 0.527 ✓ | | |
| 69+00 | 7° 16' 56" ✓ | 24.971 | 12.39 | 11.73 | 0.66 ✓ | | |
| +25 | 12° 03' 25" ✓ | " | 12.49 | 11.67 | 0.82 ✓ | | |
| +45 | 15° 52' 36" ✓ | " | | | | | |
| +50 | 16° 49' 54" ✓ | " | 11.90 | 11.61 | 0.29 ✓ | | RIP RAP LOCATION |
| +75 | 21° 36' 22" ✓ | " | 12.65 | 11.54 | 1.11 ✓ | | |
| 70+00 | 26° 22' 51" ✓ | " | 12.57 | 11.48 | 1.09 ✓ | | |
| +15 | 29° 14' 45" ✓ | " | | | | | |
| +25 | 31° 09' 20" ✓ | " | 12.43 | 11.42 | 1.01 ✓ | | RIP RAP LOCATION |
| +50 | 35° 55' 49" ✓ | 24.97 | 12.28 | 11.36 | 0.92 ✓ | | |
| +72.38 | 40° 12' 22" ✓ | 22.37 | 12.14 | 11.30 | 0.84 ✓ | | check Elev. Sta. N. 3000; W 15, 132.50 |
| E.C. 71+00.39 | 45° 33' 15" ✓ | 27.98 | 12.06 | 11.22 | 1.04 ✓ | | & Top of W. Ch. Midway Elev. 11.21 |
| E Ditch | | | | | | | checked 11.23 |
| +02.38 | | 1.99 | 12.18 | 11.08 | 1.15 ✓ | | |
| +32.38 | | 30.00 | 12.41 | 11.30 | 1.11 ✓ | | Set R.P. 50'-100' S. |
| +50 | | 17.62 | 12.25 | 11.44 | 0.81 ✓ | | |
| END +97.38 | | 47.38 | 12.60 | 11.46 | 1.10 ✓ | | |

LOCATION & GRADES OF
CONC. CHUTES ON TIERRA
DEL FUEGO ISLAND

| Sta | H.I. | Elev. | Inv. Grade |
|----------------|------|-------|------------|
| B.M. | | | |
| 1+30 = 0+00 | | | 11.50 |
| +10 | | | 10.80 |
| +20 | | | 9.80 |
| +30 | | | 7.00 |
| +40 | | | 5.00 |
| +50 | | | 4.00 |

CONC. CHUTES GRADES CONTD

Sta + H.I - Elev. Grade

B.M.

5+55=

0+00

11.00

+10

10.80

+20

10.60

+30

8.70

+40

6.70

+50

5.00

+60

4.80

CONC. CHUTES GRADES CONTD.

| Sta | + | H.I | - | Elev. | Grade |
|-----------|---|-----|---|-------|-------|
| B.M. | | | | | |
| 12+41.94= | | | | | |
| 0+00 | | | | | 11.50 |
| +10 | | | | | 11.00 |
| +20 | | | | | 10.60 |
| +30 | | | | | 10.00 |
| +40 | | | | | 9.30 |
| +55 | | | | | 8.00 |
| +70 | | | | | 6.30 |
| +80 | | | | | 5.15 |
| +90 | | | | | 4.00 |

CONC. CHUTES GRADES CONTD

| Sta | + H.I. | - | Elev. | Grade |
|------|--------|---|-------|-------|
| B.M. | | | | |

18+06.44

0+00 11.30

+10 11.10

+20 10.85

+30 10.30

+40 9.50

+50 8.30

+60 7.10

+70 6.00

+80 5.00

+95 4.00

CONC. CHUTES GRADES CONTD

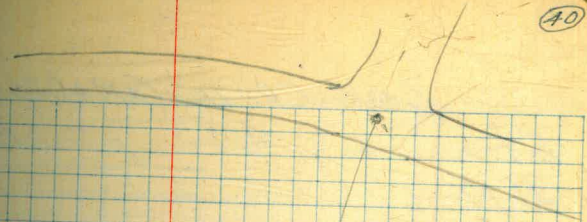
| Sta | H.I | Elev. | Grade |
|------|-----|-------|-------|
| B.M. | | | |

25141.44 =

| | | | |
|------|--|-------|--|
| 0+00 | | 10.30 | |
| +10 | | 10.00 | |
| +20 | | 9.70 | |
| +30 | | 9.40 | |
| +40 | | 8.40 | |
| +50 | | 7.40 | |
| +60 | | 6.00 | |
| +70 | | 4.80 | |
| +80 | | 4.00 | |

CONC. CHUTES GRADES CONTD

| Sta | + H.I | - Elev. | Grade |
|------------|-------|---------|-------|
| B.M. | | | |
| 38+02.38 = | | | |
| 0+00 | | | 11.20 |
| +10 | | | 11.00 |
| +20 | | | 10.70 |
| +30 | | | 10.20 |
| +40 | | | 9.60 |
| +50 | | | 8.80 |
| +60 | | | 8.00 |
| +70 | | | 7.20 |
| +80 | | | 6.40 |
| +90 | | | 5.60 |
| 1+00 | | | 4.80 |
| +10 | | | 4.00 |



CONC. CHUTES GRADES CONTD

Sta + H.I - Elev. GRADE
 B.M.

44+22.38 =

0+00 11.10

+10 10.90

+20 10.70

+30 10.30

+40 9.70

+50 8.90

+60 7.20

+70 6.20

+80 5.30

+90 4.60

+100 4.00

CONC. CHUTES GRADES CONTD

| Sta | + | H.I | - | Elev | Grade |
|------|---|-----|---|------|-------|
| B.M. | | | | | |

50+72.38 =

0+00

+10

+20

+30

+40

+50

+60

+70

+80

+90

1+00

+10

+20

12.7

12.5

12.2

12.0

11.8

11.5

11.2

10.8

10.5

10.2

9.8

9.5

9.2

CONC CHUTES GRADES CONTD

| Sta | + | H.I | - | Elev | Grade |
|------|---|-----|---|------|-------|
| B.M. | | | | | |

60+22.382

0+00

+

+10

+20

+30

+40

+50

+60

+70

11.10

11.00

10.40

9.90

8.60

6.10

4.80

4.00

CONC. CHUTES GRADES CONTD

Sta + H.I - ELEV

B.M.

4 63+82.38 =

0 0+00

+10

+20

+35

+50

+60

+70

+80

11.3

10.3

8.3

6.3

4.3

2.3

0.3

1.3

CONC. CHUTES GRADES CONTD.

| Sta | H.I. | Elev | Grade |
|----------|------|-------|-------|
| B.M. | | | |
| 71+02.38 | | | |
| 0+00 | | 11.00 | |
| +10 | | 10.00 | |
| +20 | | 10.50 | |
| +25 | | 9.30 | |
| +30 | | 8.00 | |
| +45 | | 4.50 | |

71+02.38 =

0+00

11.00

+10

10.00

+20

10.50

+25

9.30

+30

8.00

+45

4.50

CONC. CHUTES GRADES CONTD.

MODEL YACHT POOL

| Sta | B.M. | H.I. | Elev. | GRADE |
|--------|------|------|-------|-------|
| 3+00 = | | | | |
| 0+00 | | | 9.50 | |
| +10 | | | 9.10 | |
| +20 | | | 8.50 | |
| +30 | | | 7.70 | |
| +37 | | | 7.00 | |
| +50 | | | 6.00 | |

DRAINAGE DITCH @ MODEL
YACHT POOL TIERRA ISLAND

2-2-53

T. Stampel

- ⌘ R. Sisson
- ⊕ R. Shorey
- ⊕ A. Sherry

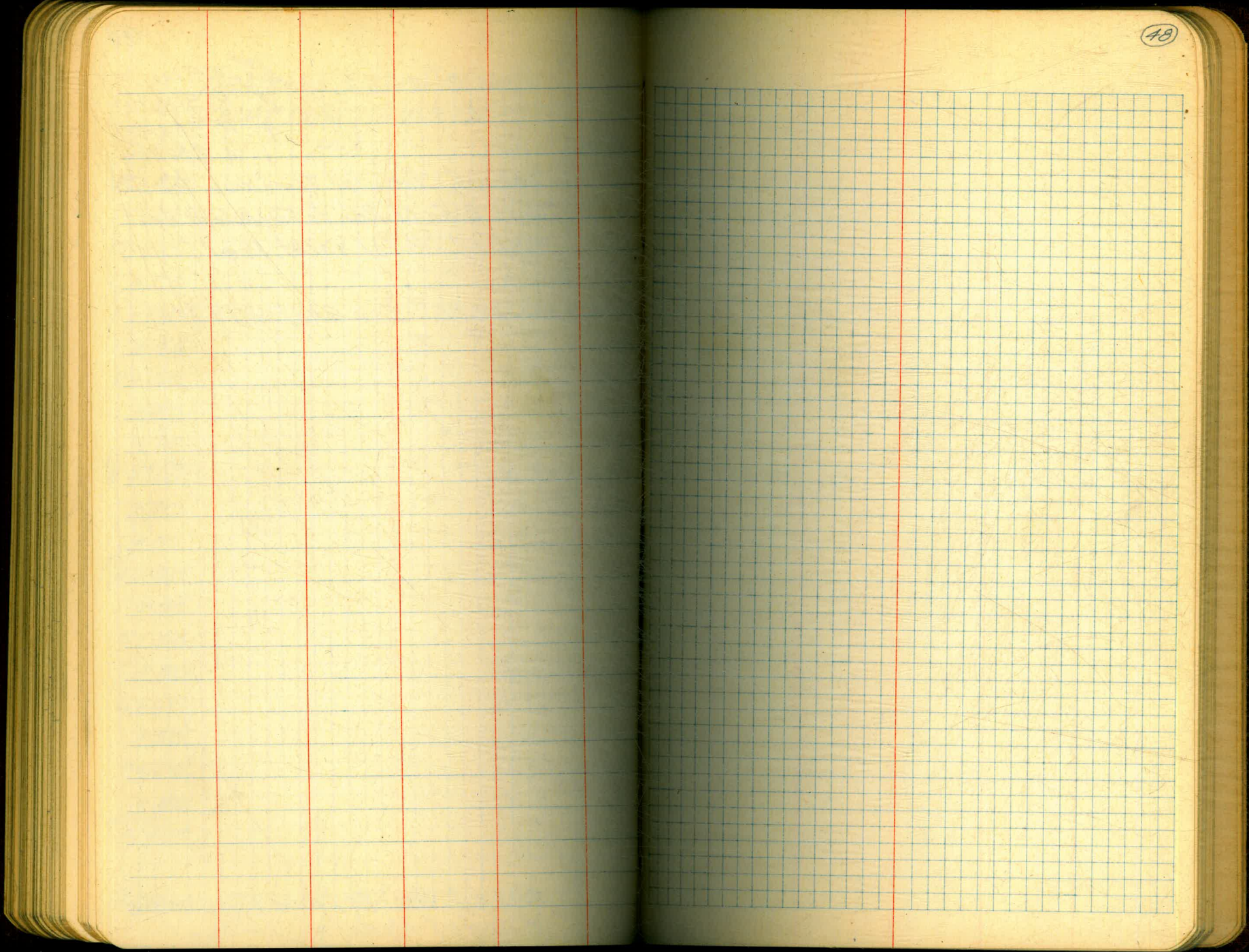
| Sta | + | H.I. | - | Elev | Grade | Cut |
|---------------|---|------|---|--------|-------|------|
| B.M. | | | | 15.018 | | |
| 0+00 | | | | 11.37 | 10.70 | 0.67 |
| +50 | | | | 10.85 | 10.57 | 0.28 |
| 1+00 | | | | 11.04 | 10.47 | 0.57 |
| +50 | | | | 11.30 | 10.32 | 0.98 |
| 2+00 | | | | 11.12 | 10.60 | 0.52 |
| +40 | | | | 11.05 | 10.10 | 0.95 |
| +70 | | | | 10.69 | 9.90 | 0.79 |
| Chute 3+00 | | | | 10.72 | 9.50 | 1.22 |
| +30 | | | | 10.79 | 9.70 | 1.09 |
| +50 | | | | 10.91 | 9.75 | 1.16 |
| TR 4+00 | | | | 10.90 | 9.87 | 1.03 |
| +50 | | | | 11.11 | 10.00 | 1.11 |
| 5+00 | | | | 11.00 | 10.12 | 0.88 |
| +50 | | | | 11.16 | 10.25 | 0.91 |
| 6+00 | | | | 11.16 | 10.37 | 0.79 |
| +50 | | | | 11.42 | 10.50 | 0.92 |
| 7+00 | | | | 11.46 | 10.62 | 0.84 |
| +50 | | | | 11.34 | 10.75 | 0.59 |
| End 8+00 | | | | 11.74 | 10.88 | 0.86 |
| B.M. | | | | 11.27 | 11.21 | |

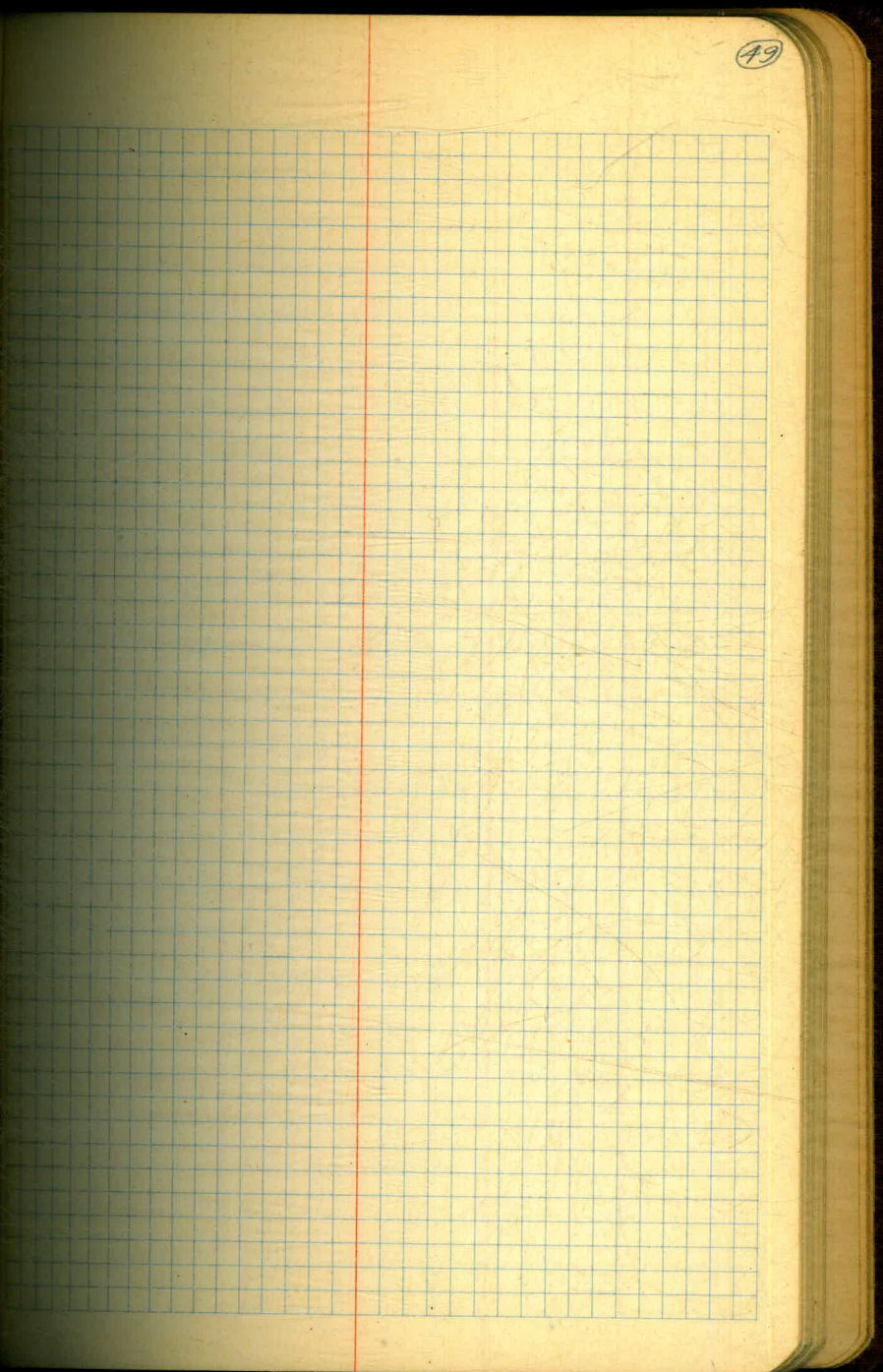
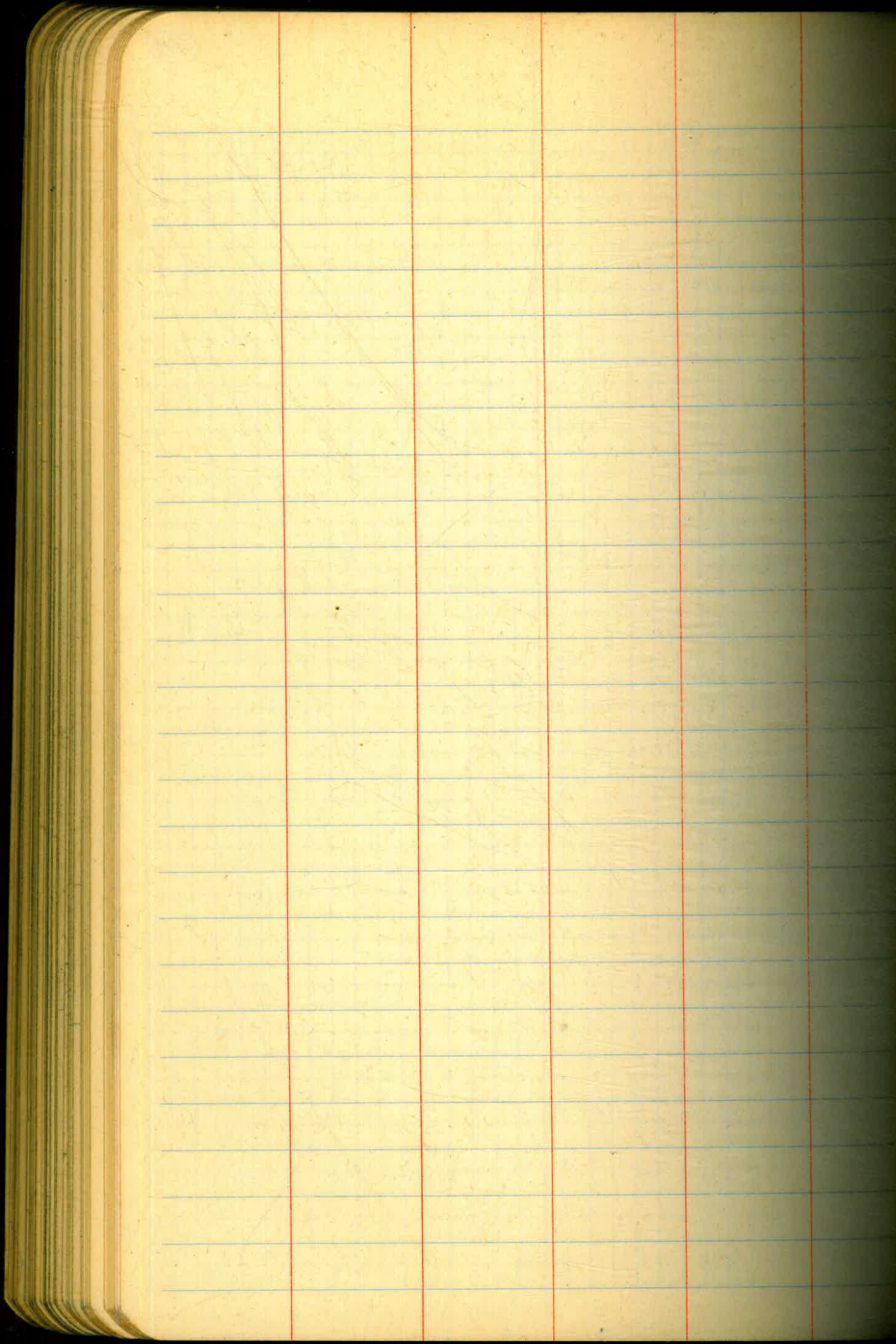
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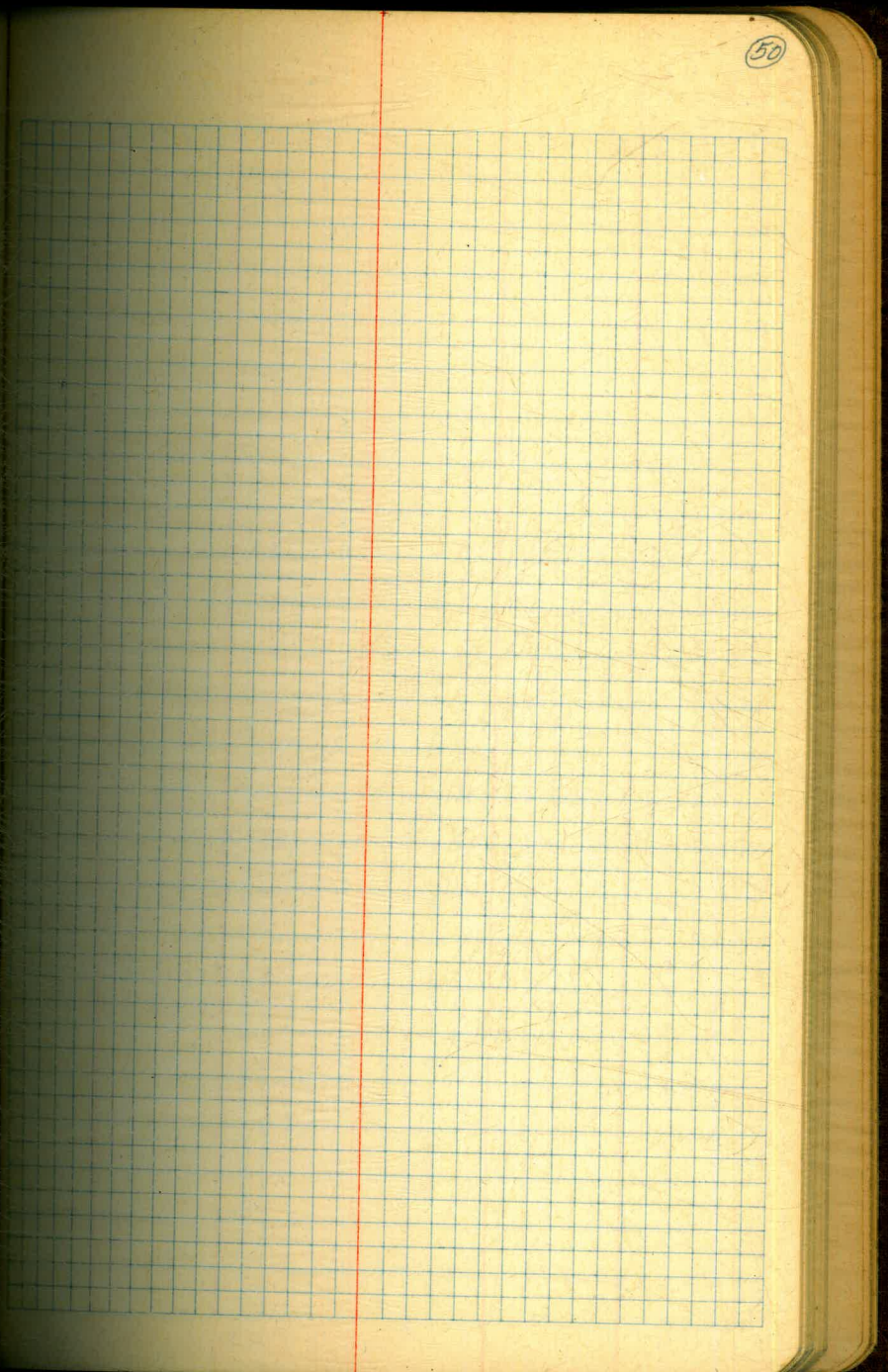
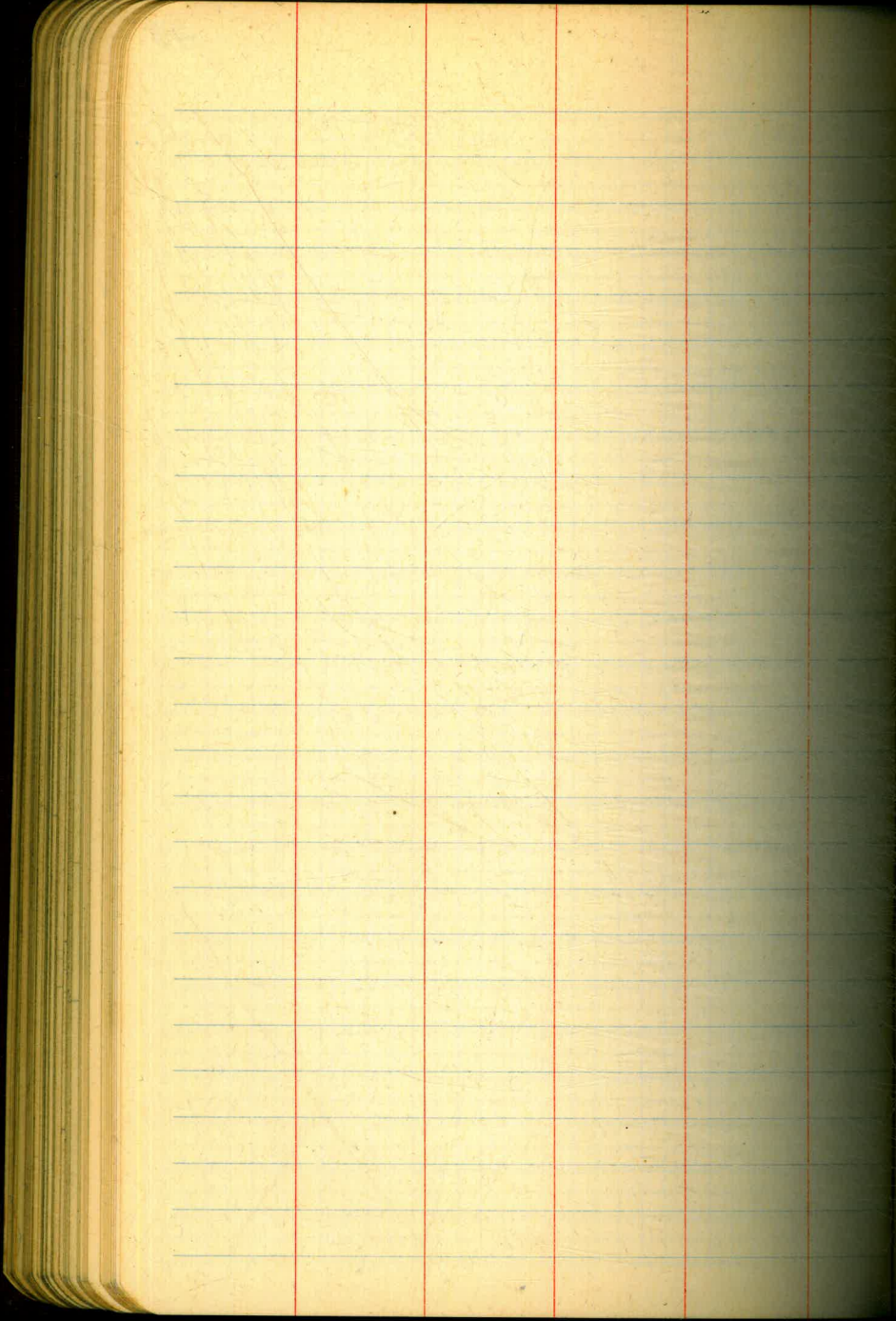
Top of Cluster of Three Nails Top of West Side of Base to Flagpole @ East end of Model Yacht Pool

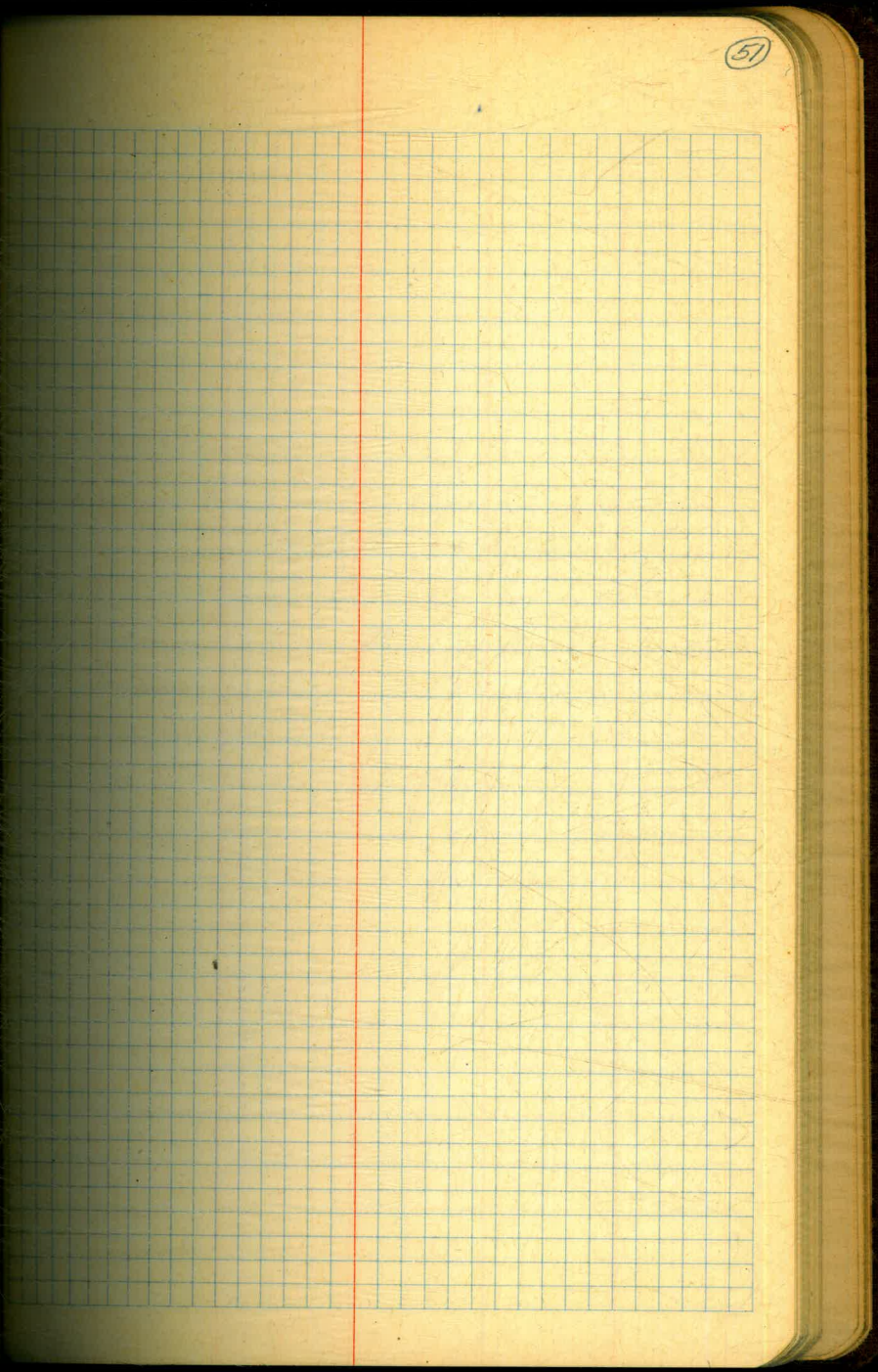
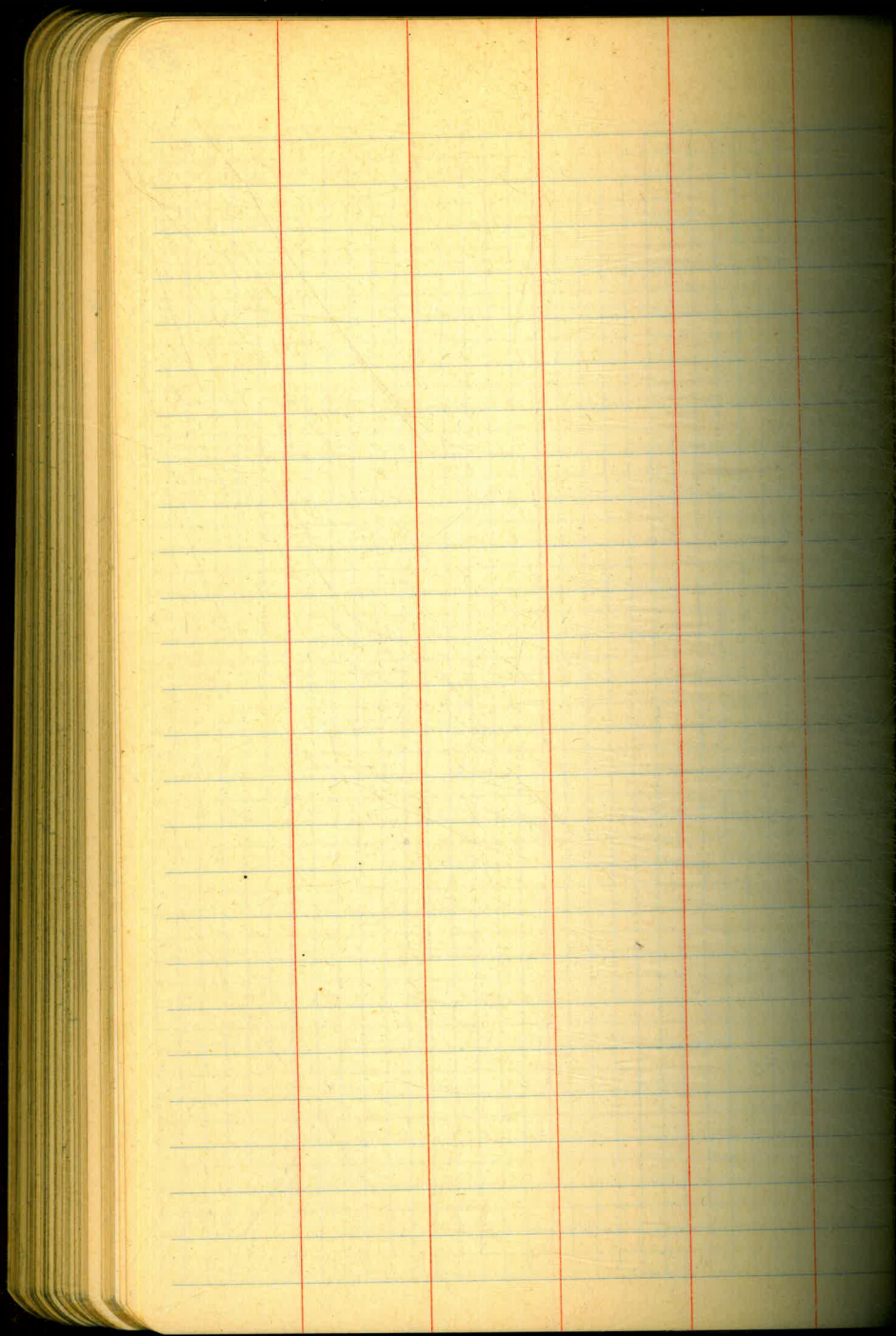
NOTE: See Sketch pg. 21

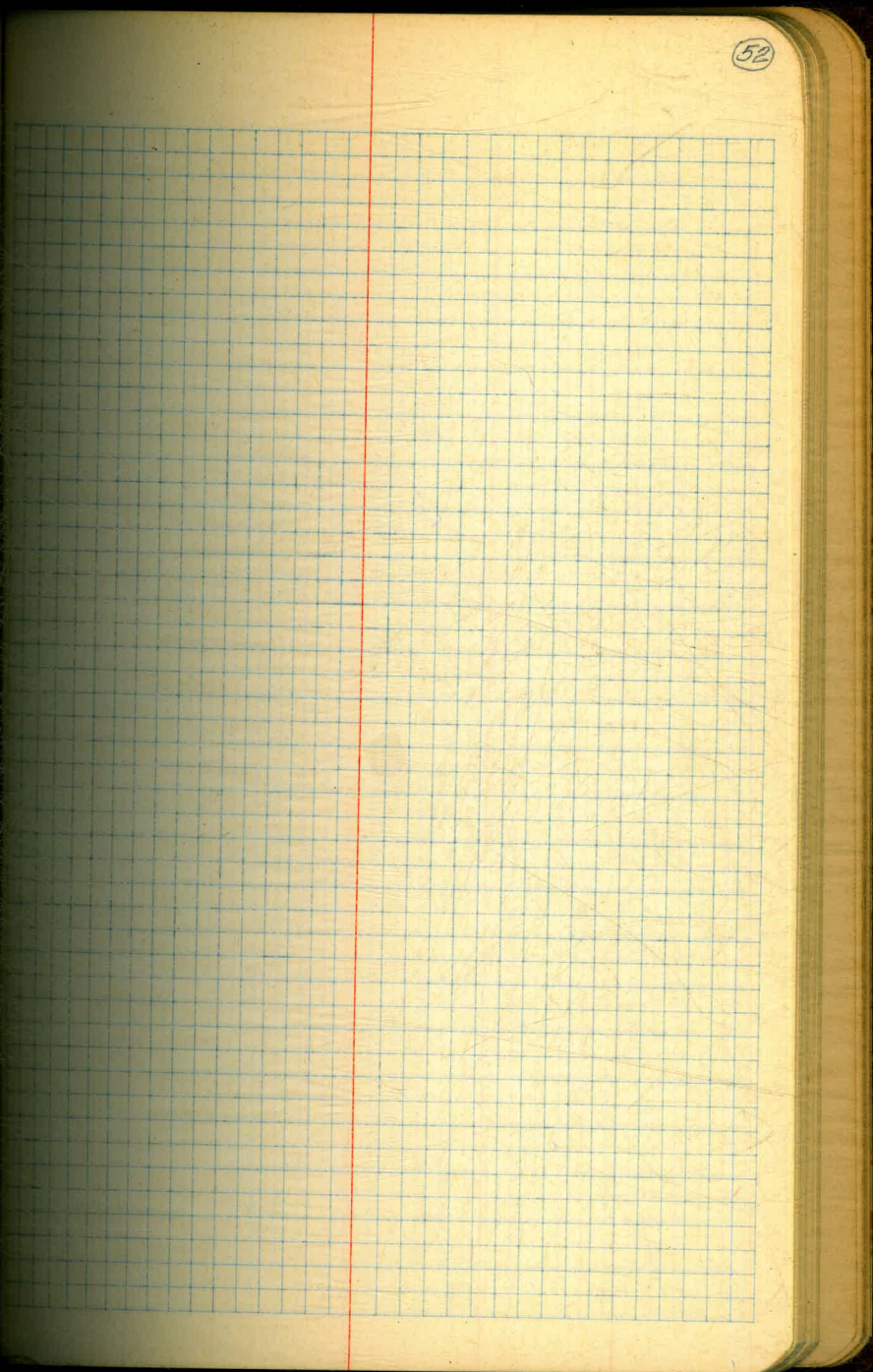
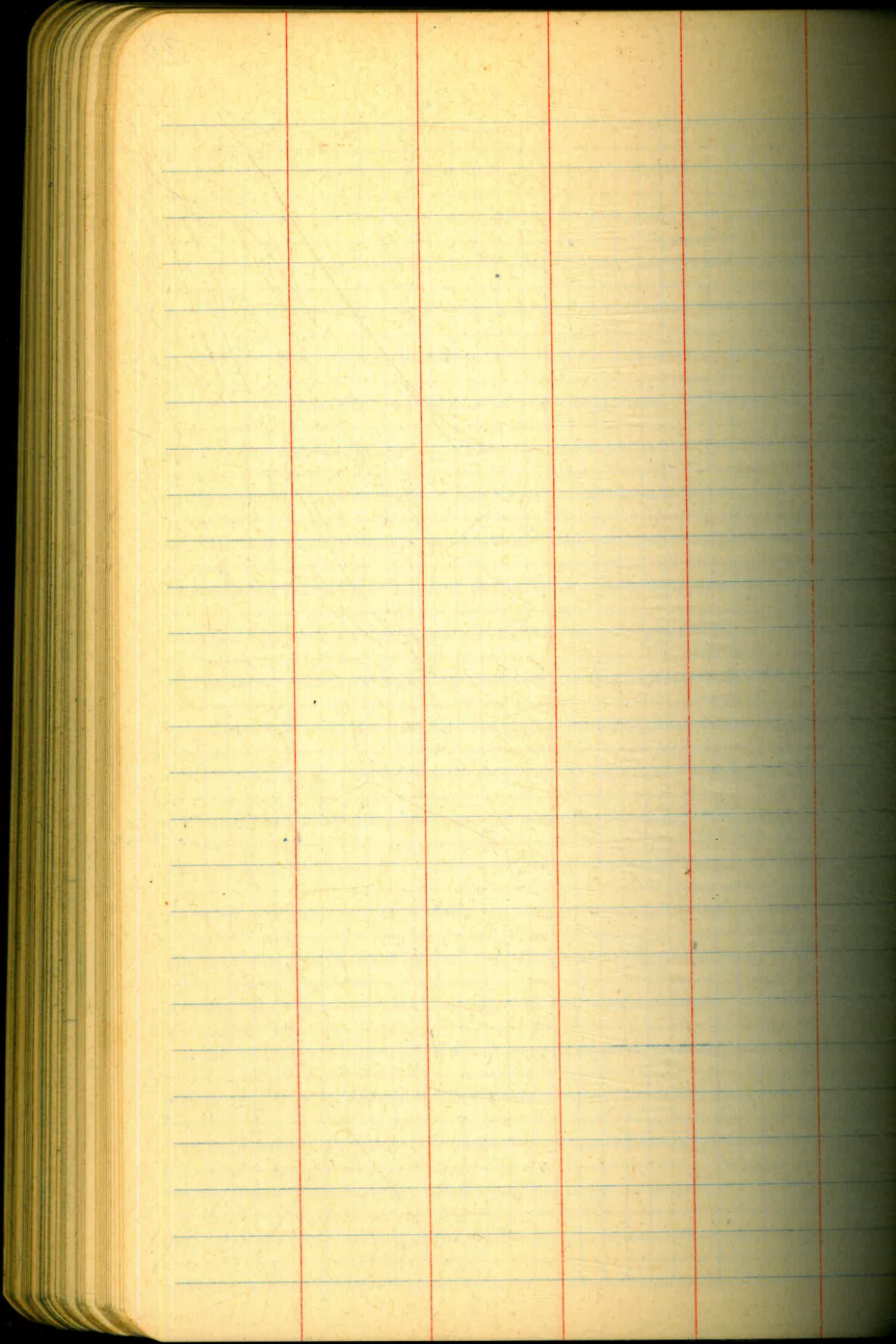
Base of Weather Vane Flagpole @ W. End of Model Yacht Pool

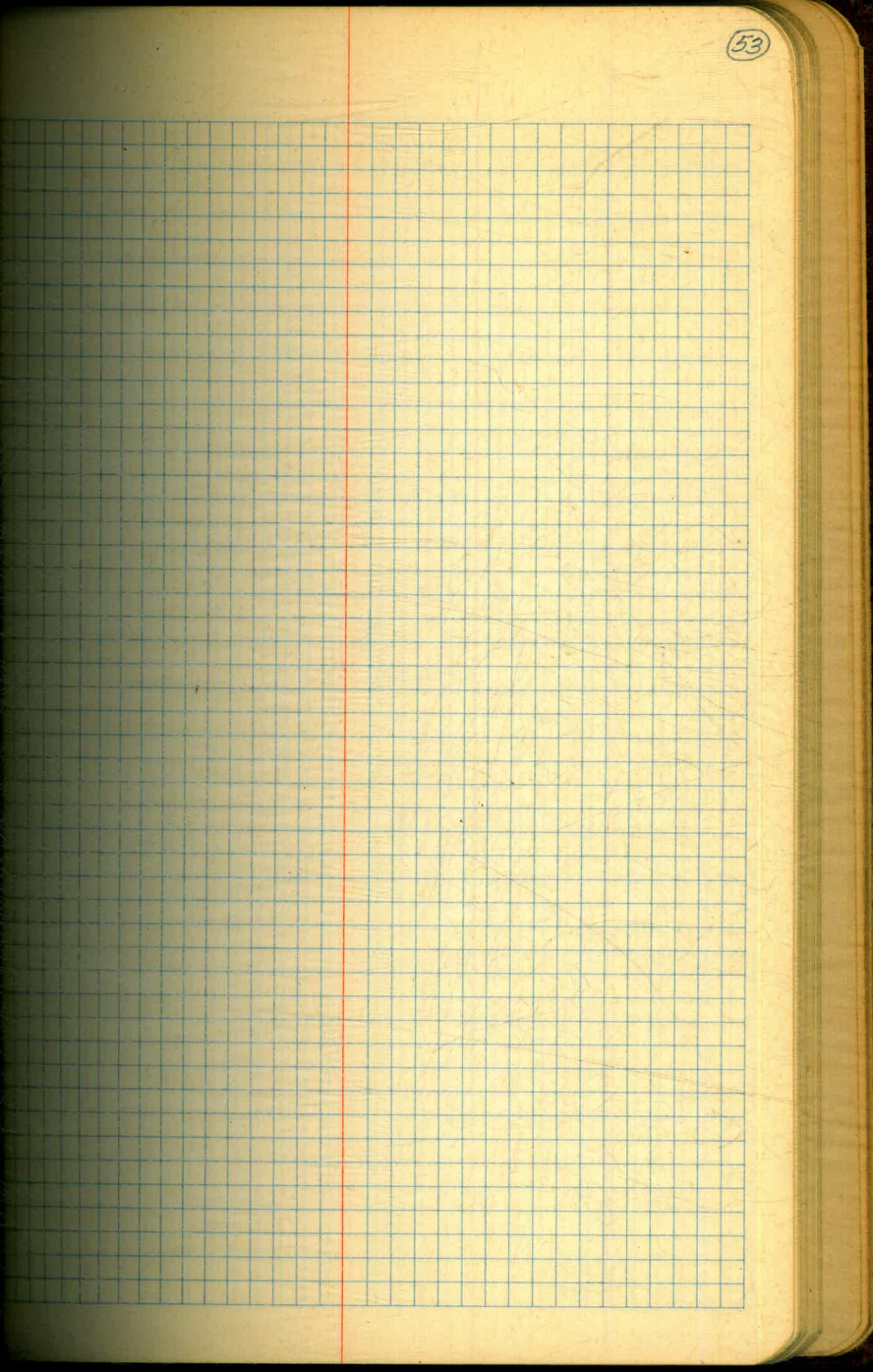
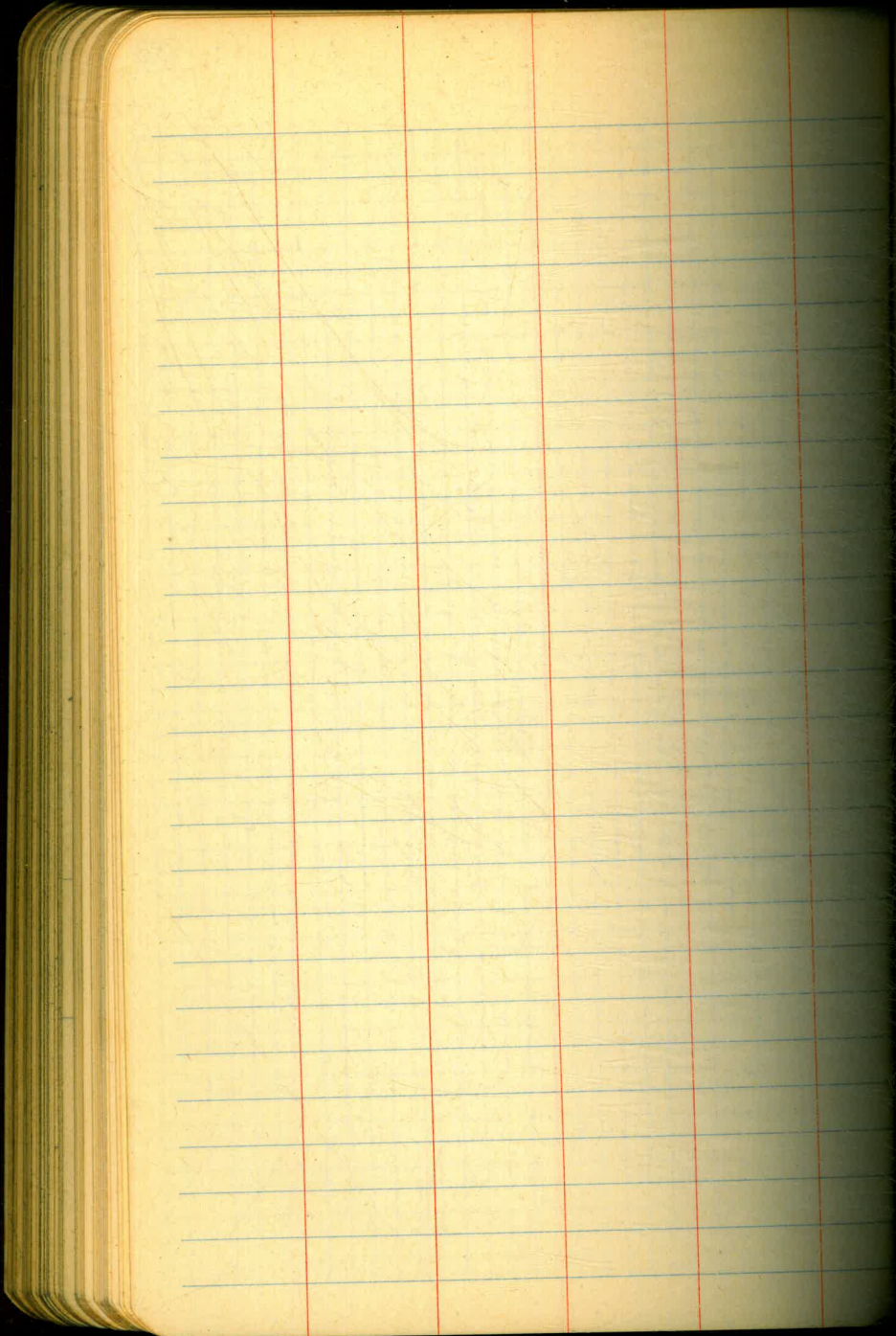


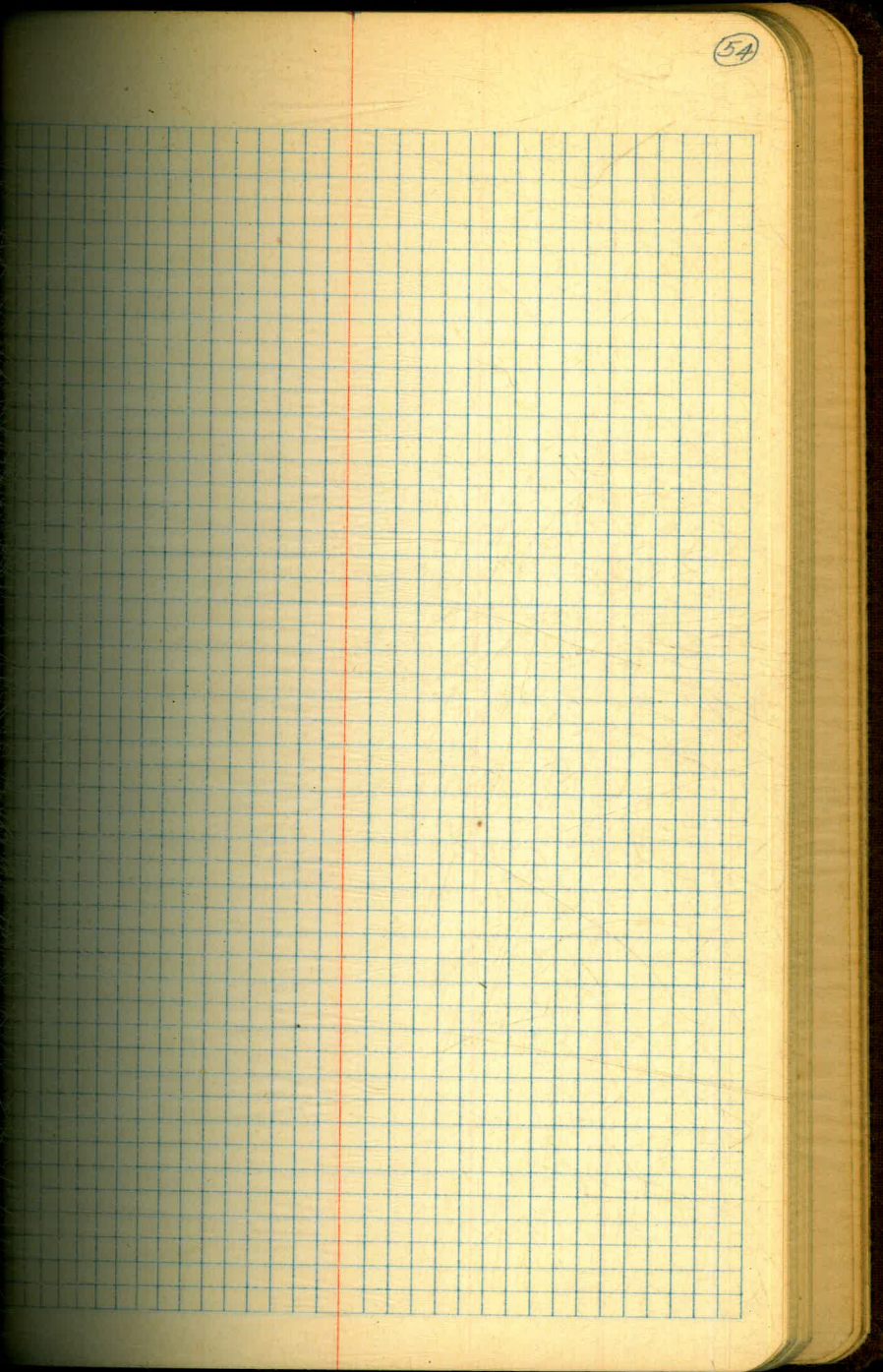
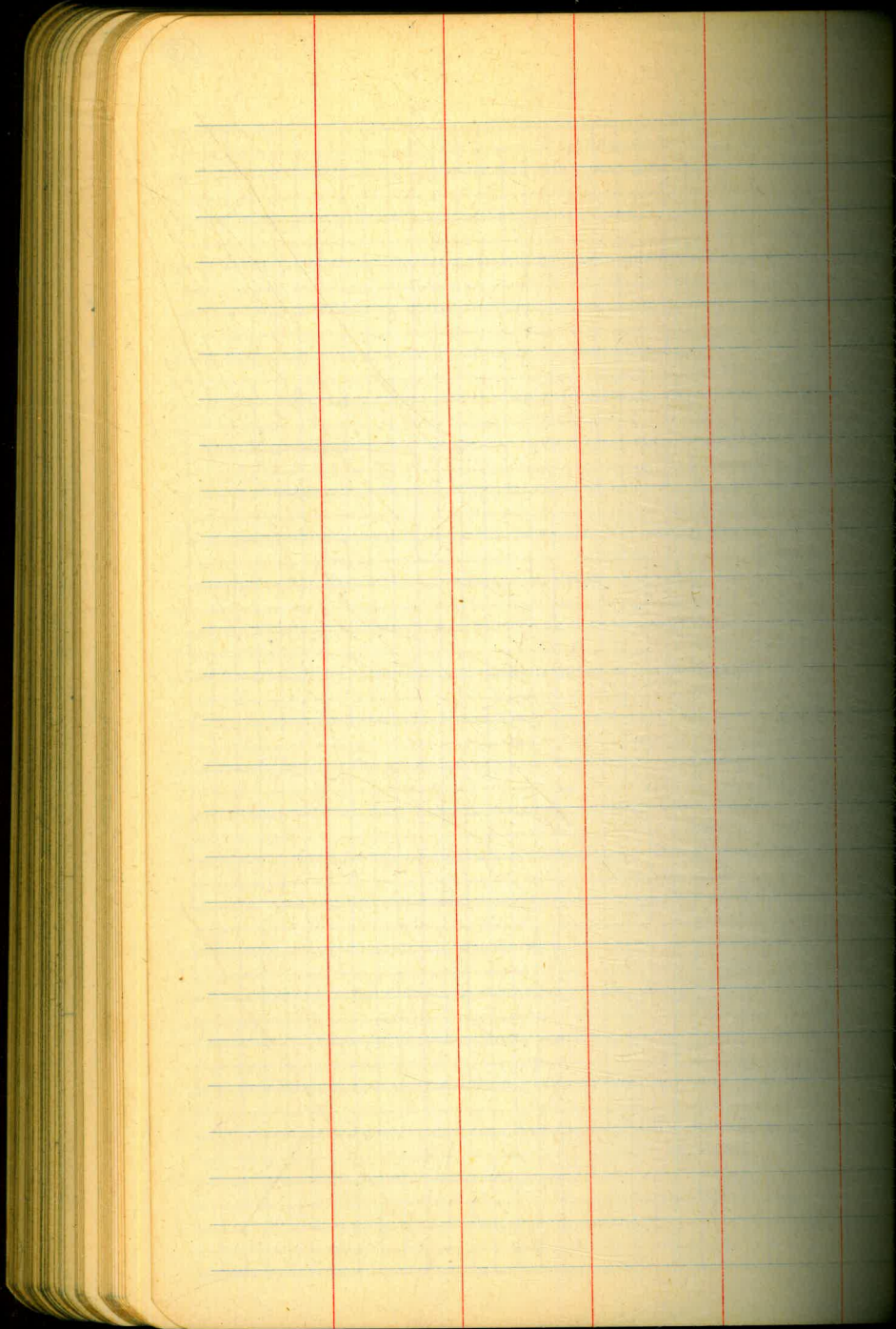






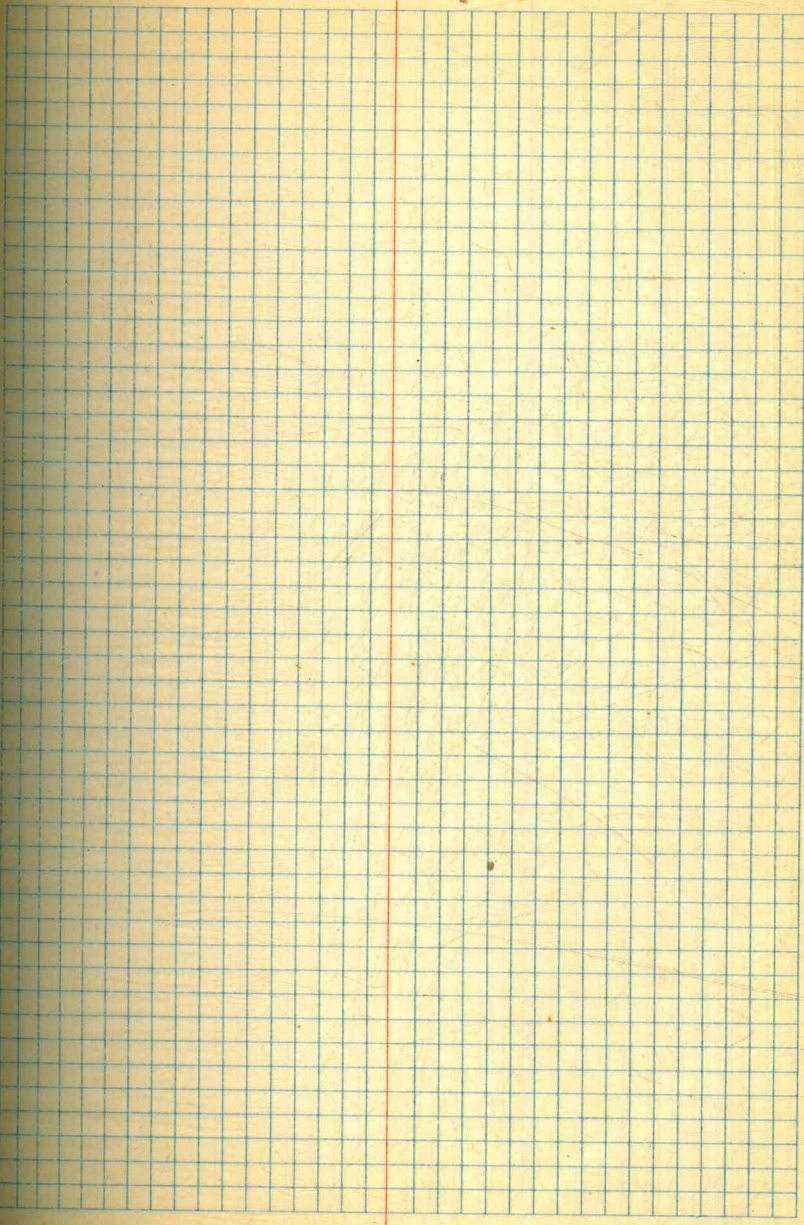
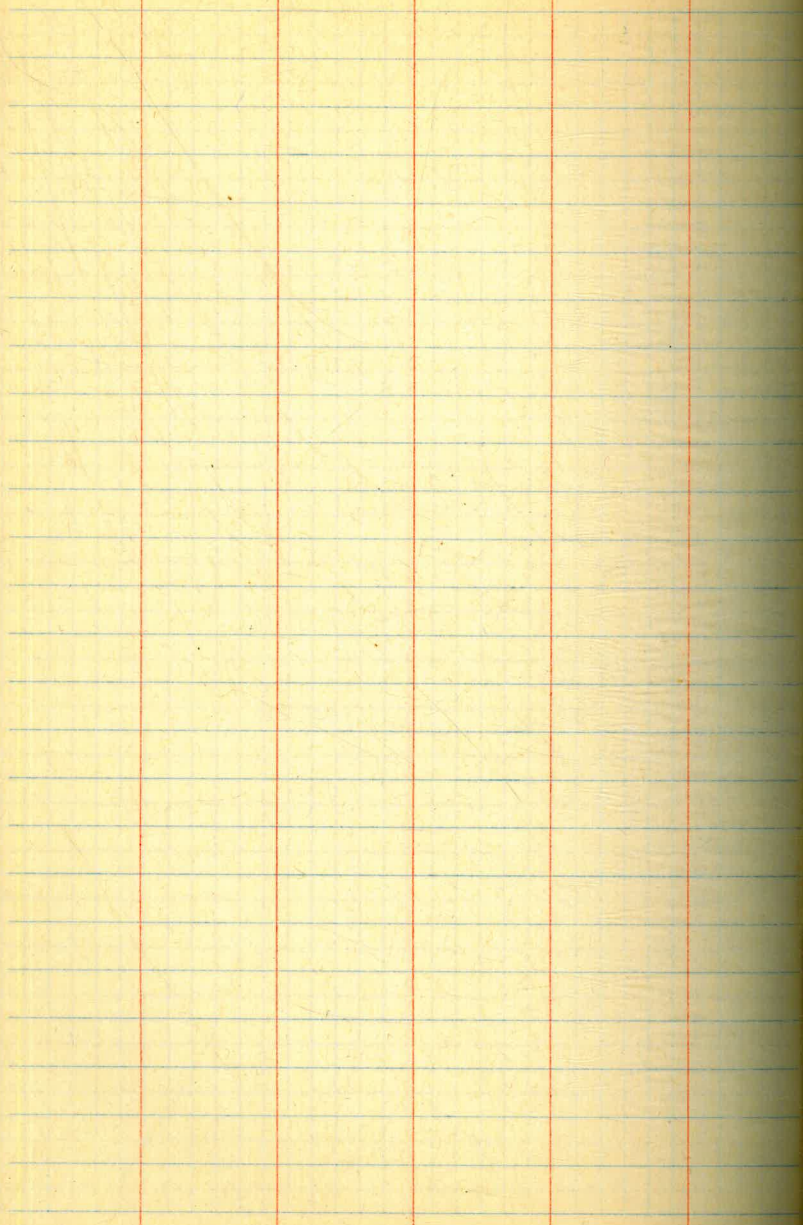






This page is a blank ledger with horizontal blue lines and vertical red lines. It features four columns of varying widths. From left to right, the columns are: a wide column for descriptions, a medium-width column, a narrow column, and another medium-width column. The page is otherwise empty.

This page is a blank grid page with a blue grid pattern. A vertical red margin line is positioned on the left side, approximately one-fifth of the way across the page. The grid covers the rest of the page, providing a structured area for calculations or data entry.



Blank lined page with horizontal blue lines and vertical red margin lines.

Blank grid page with a blue grid pattern and a vertical red margin line.

Blank ledger page with horizontal blue lines and vertical red margin lines.

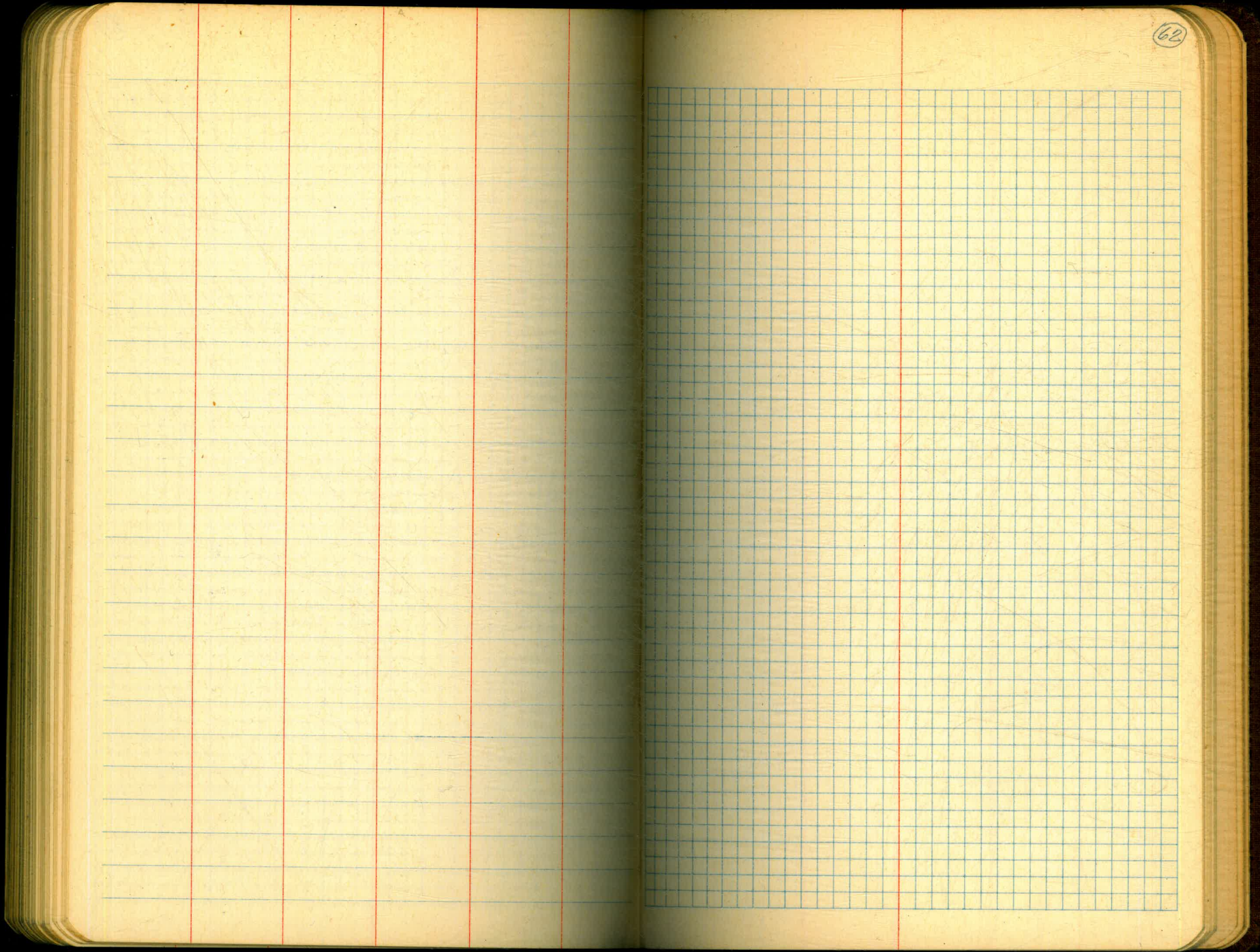
Blank ledger page with a grid of blue lines and a vertical red margin line.

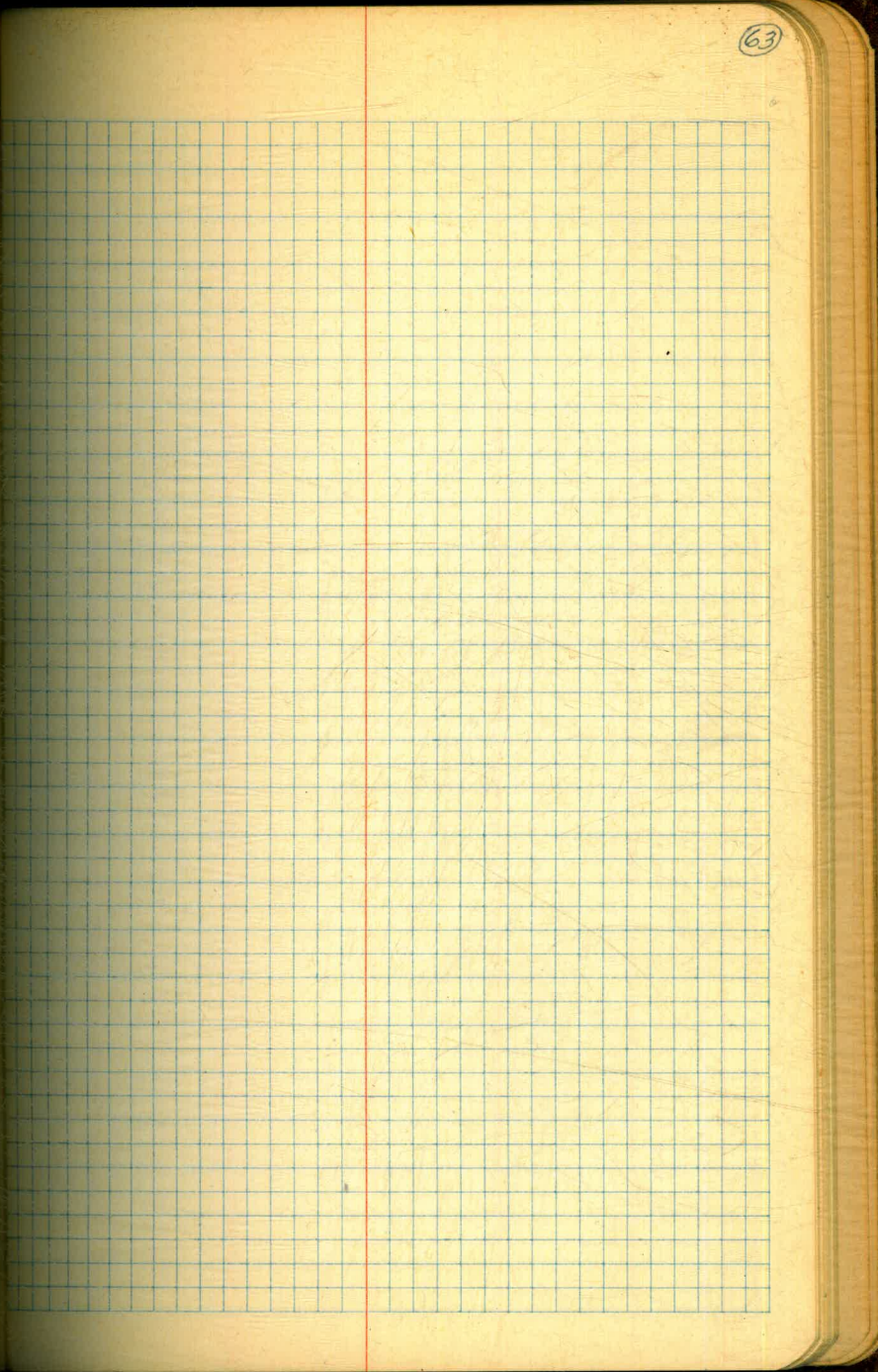
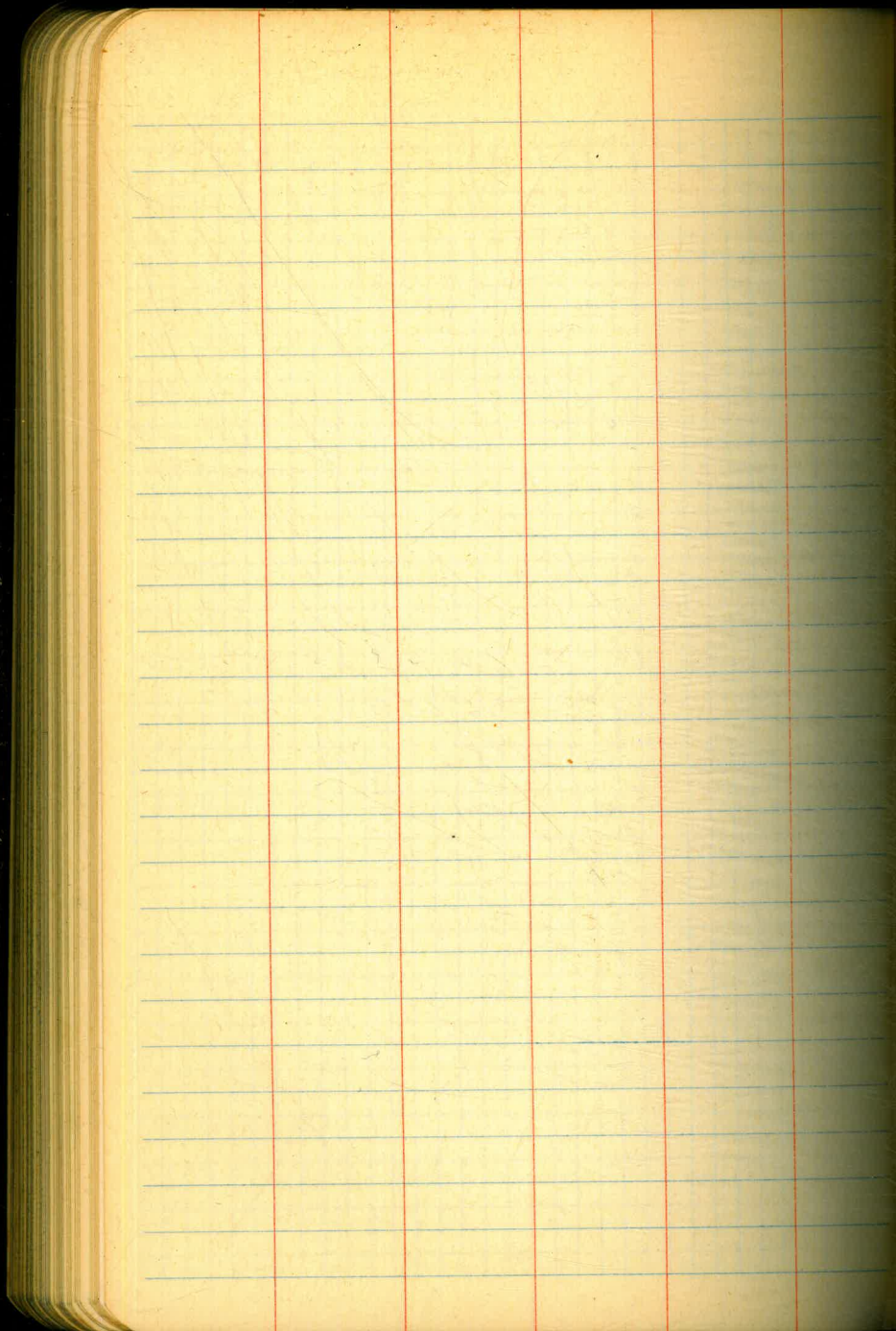
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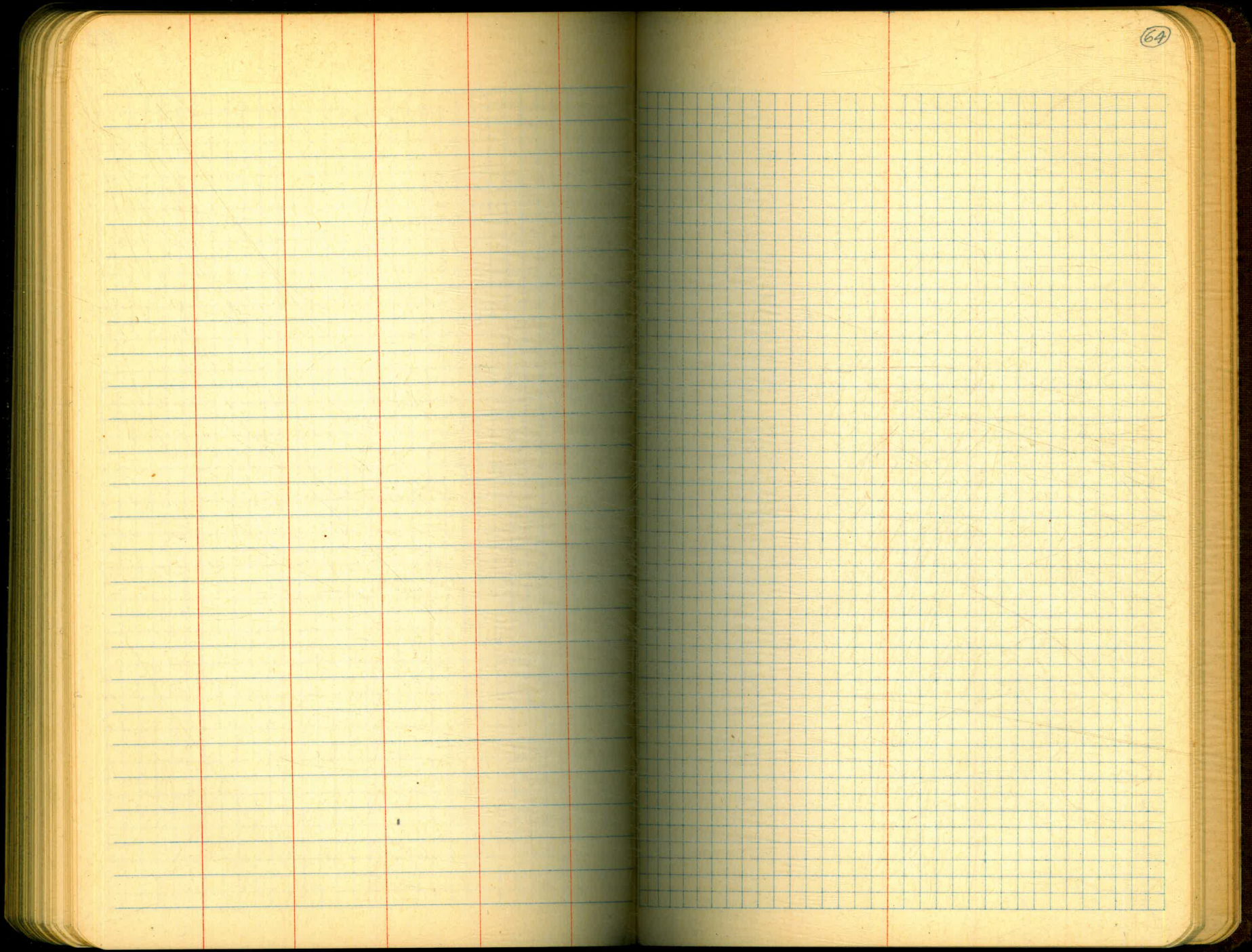
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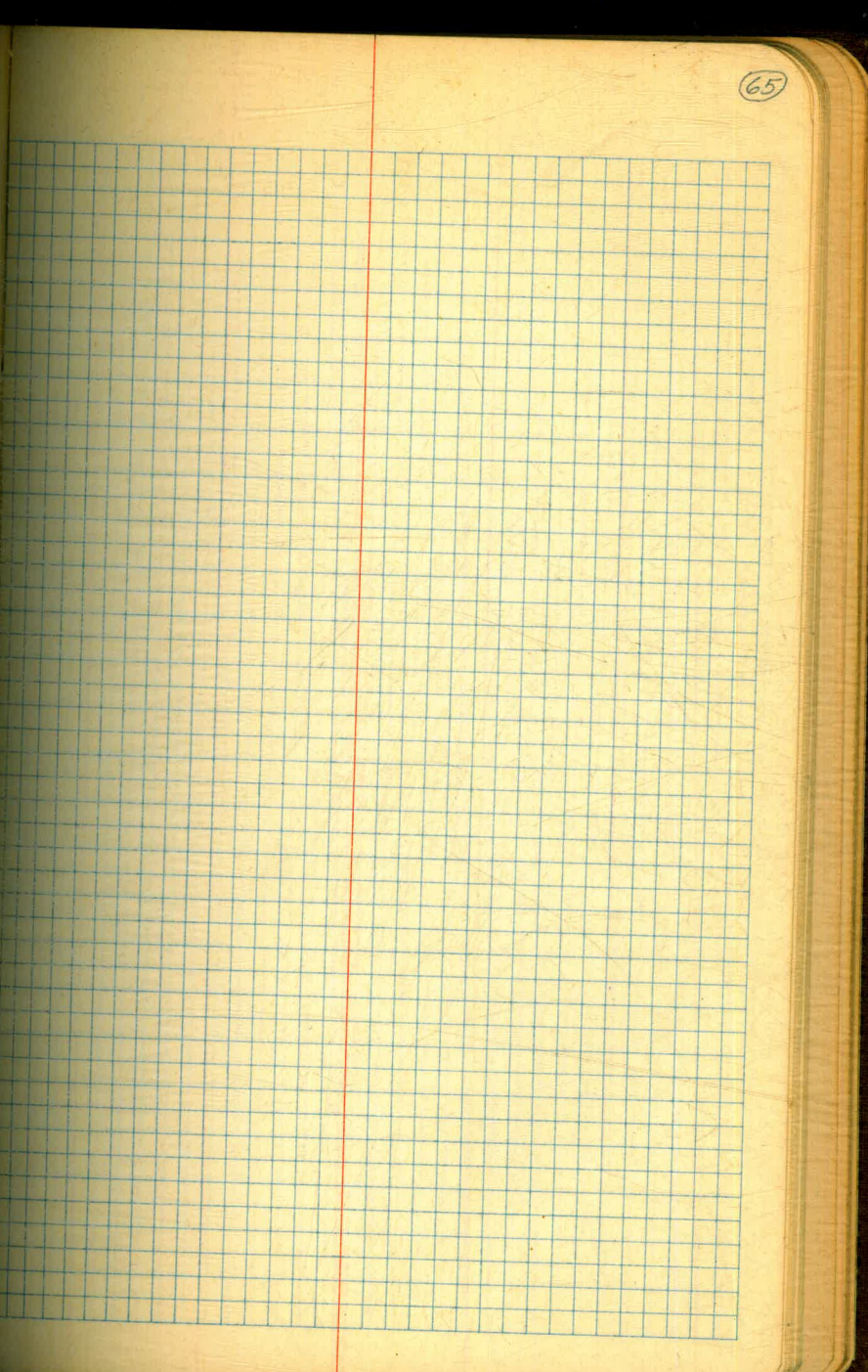
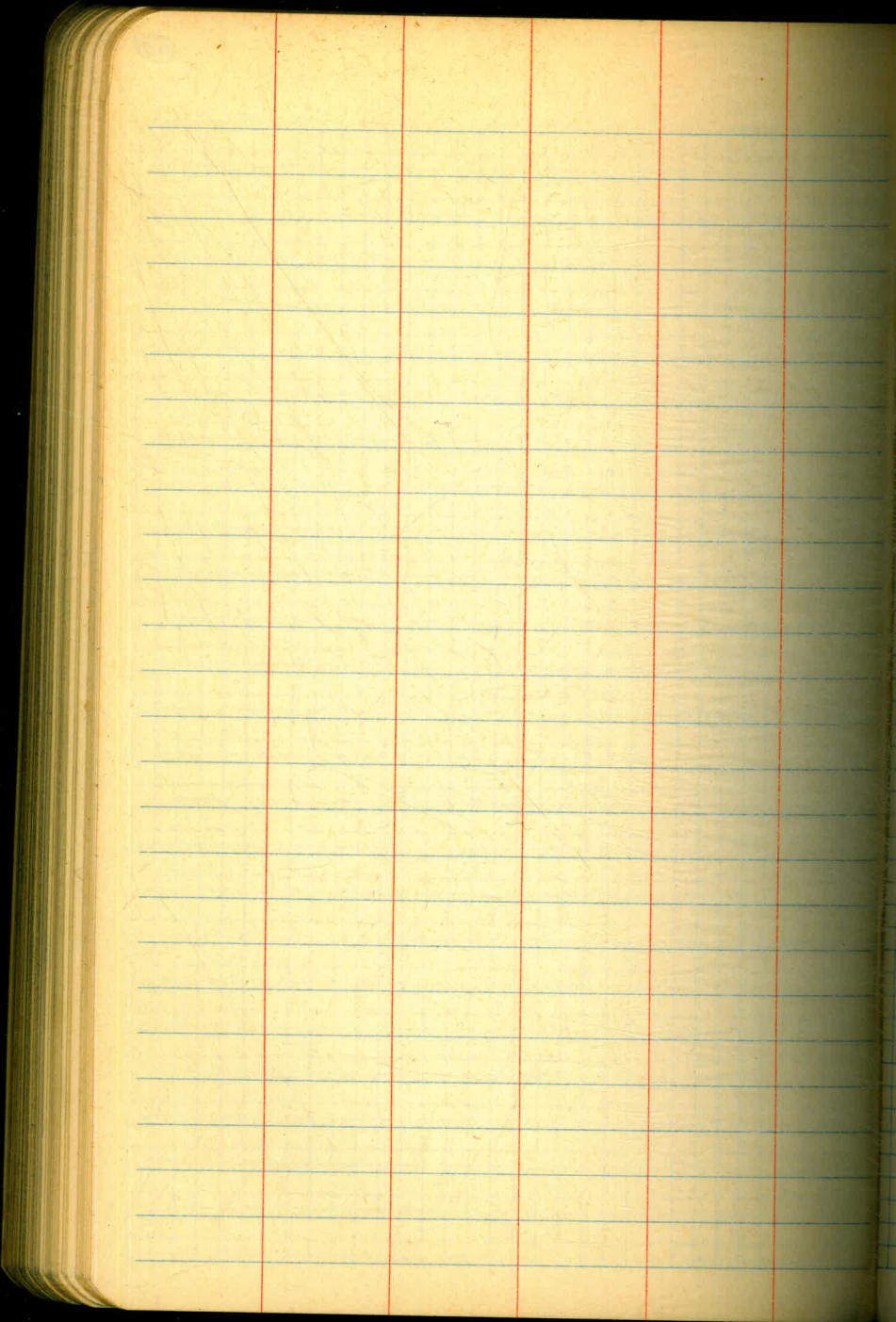
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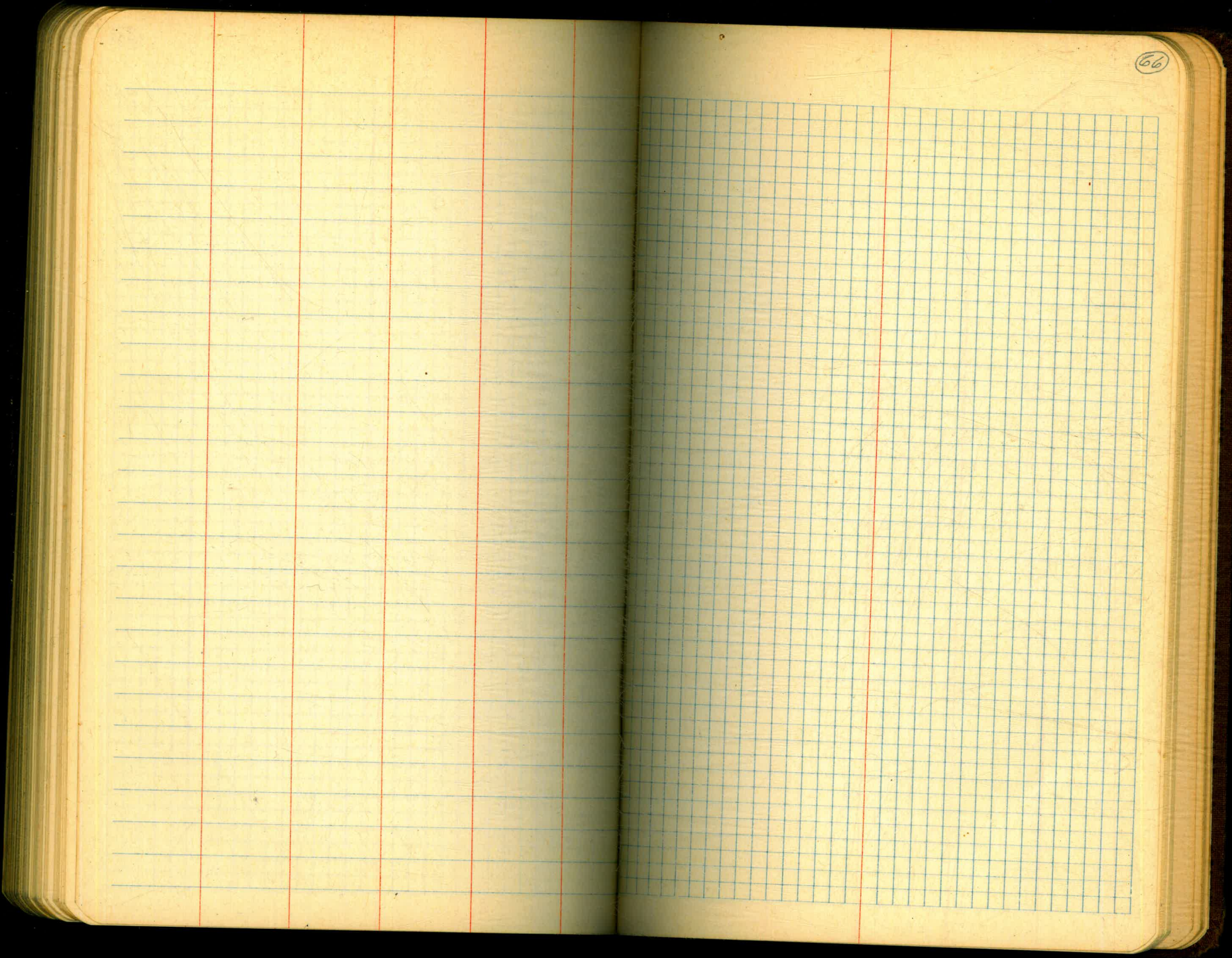
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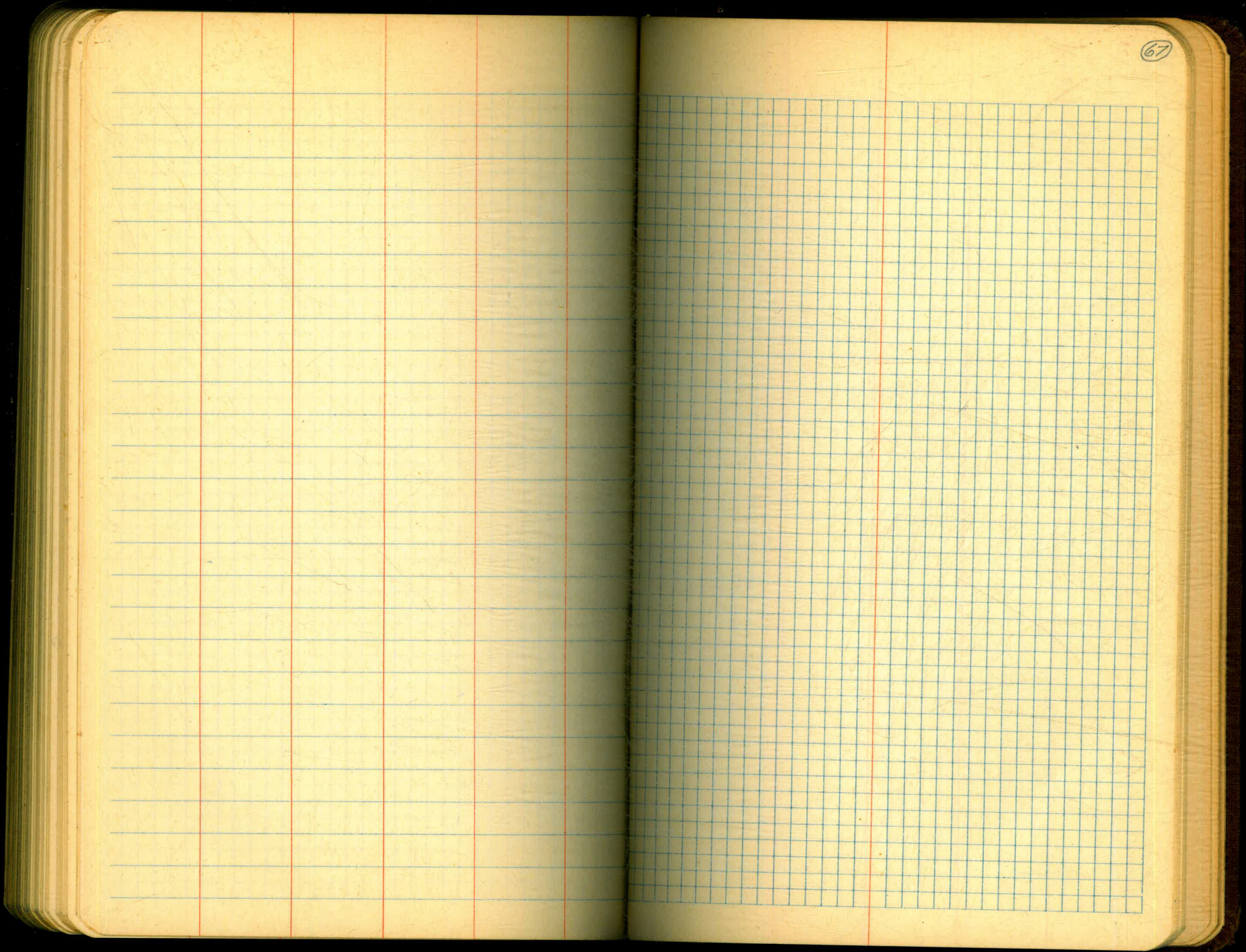


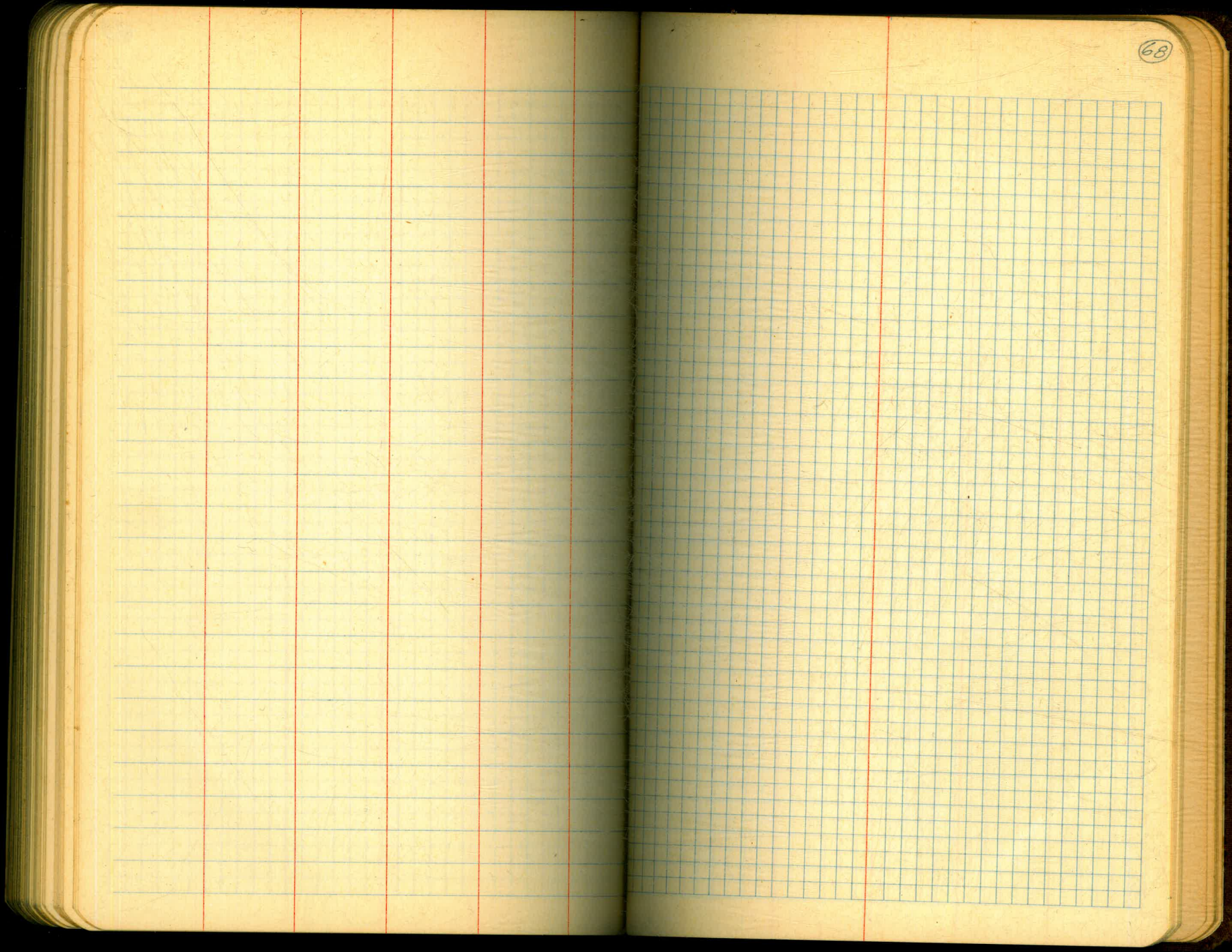


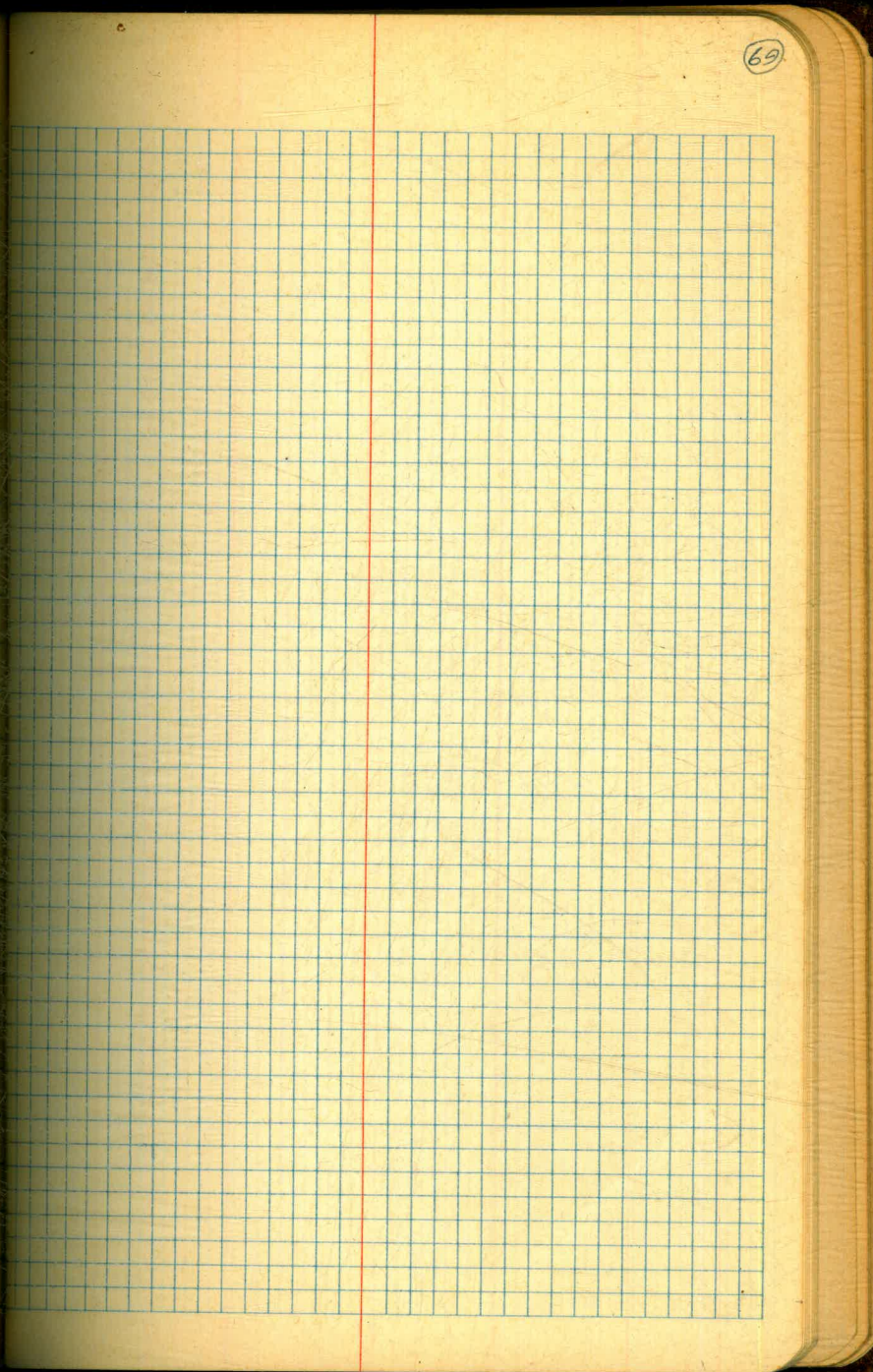
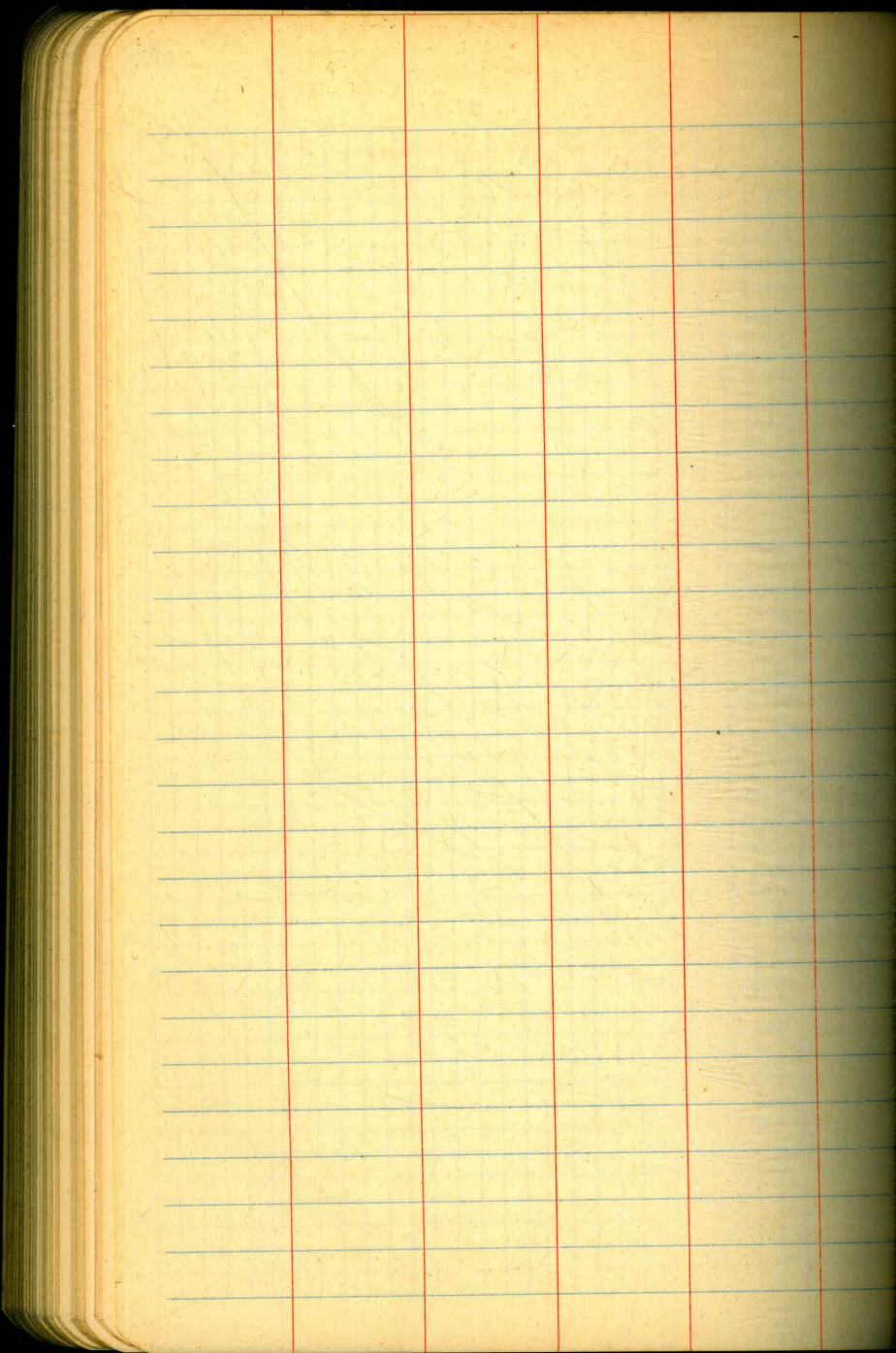


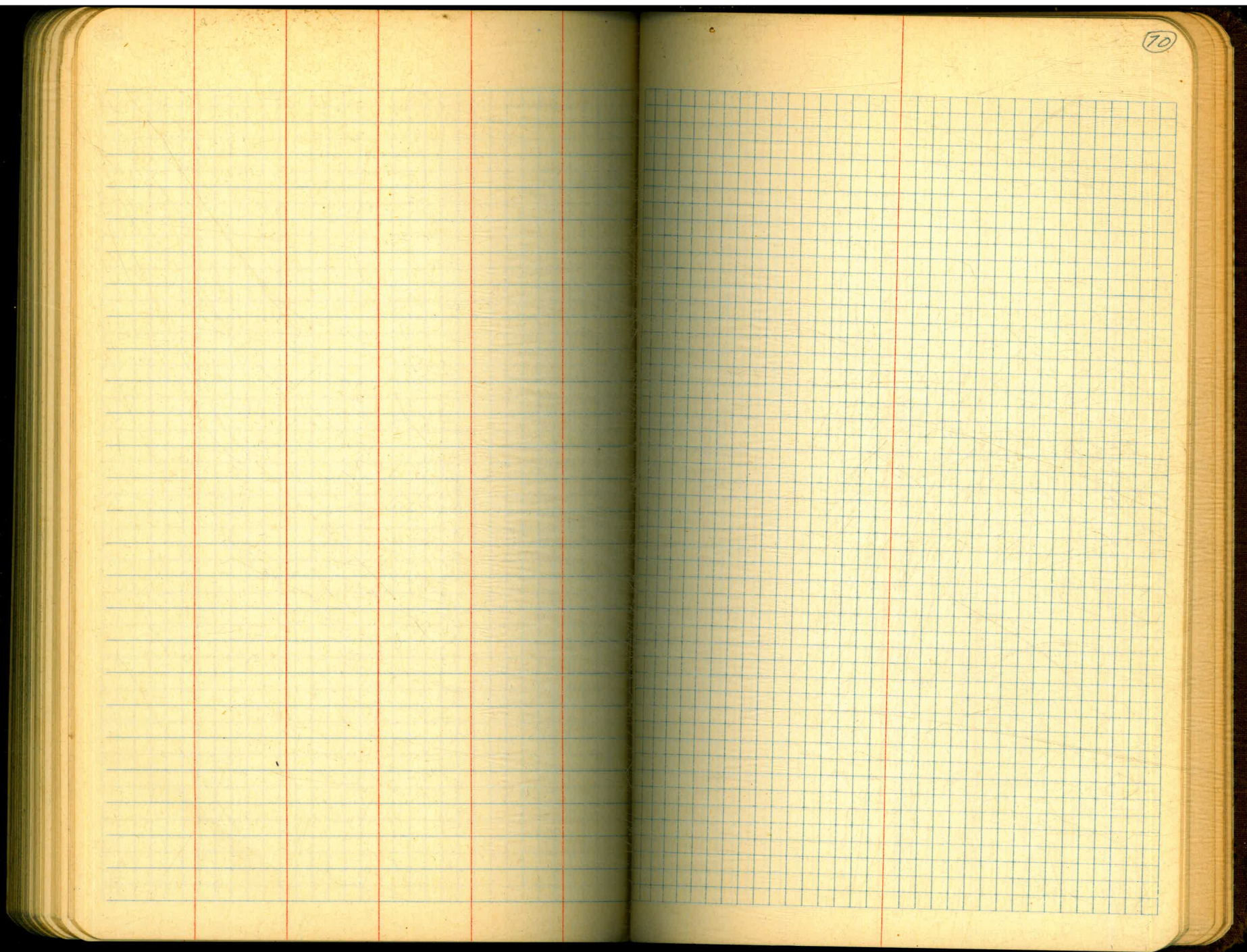




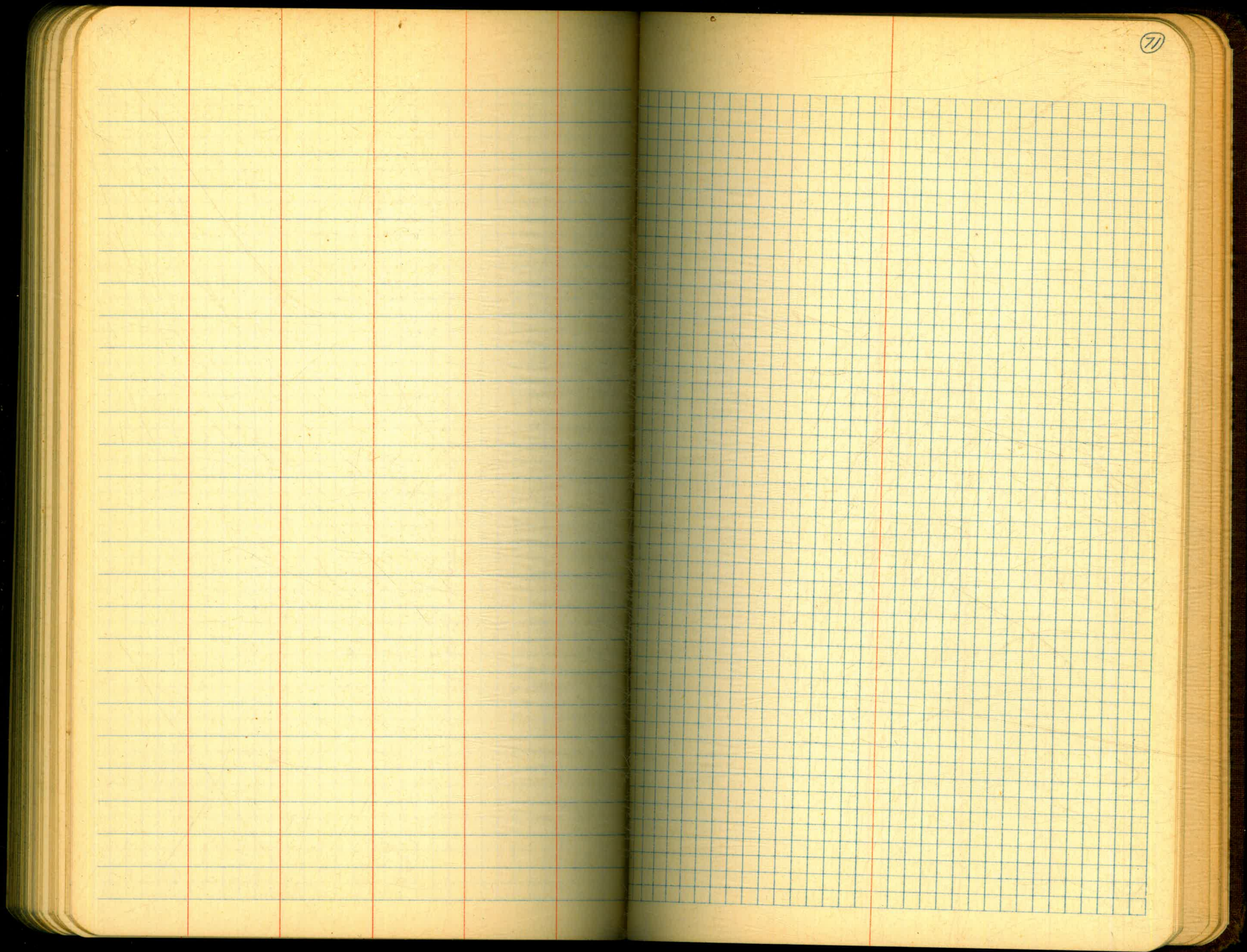


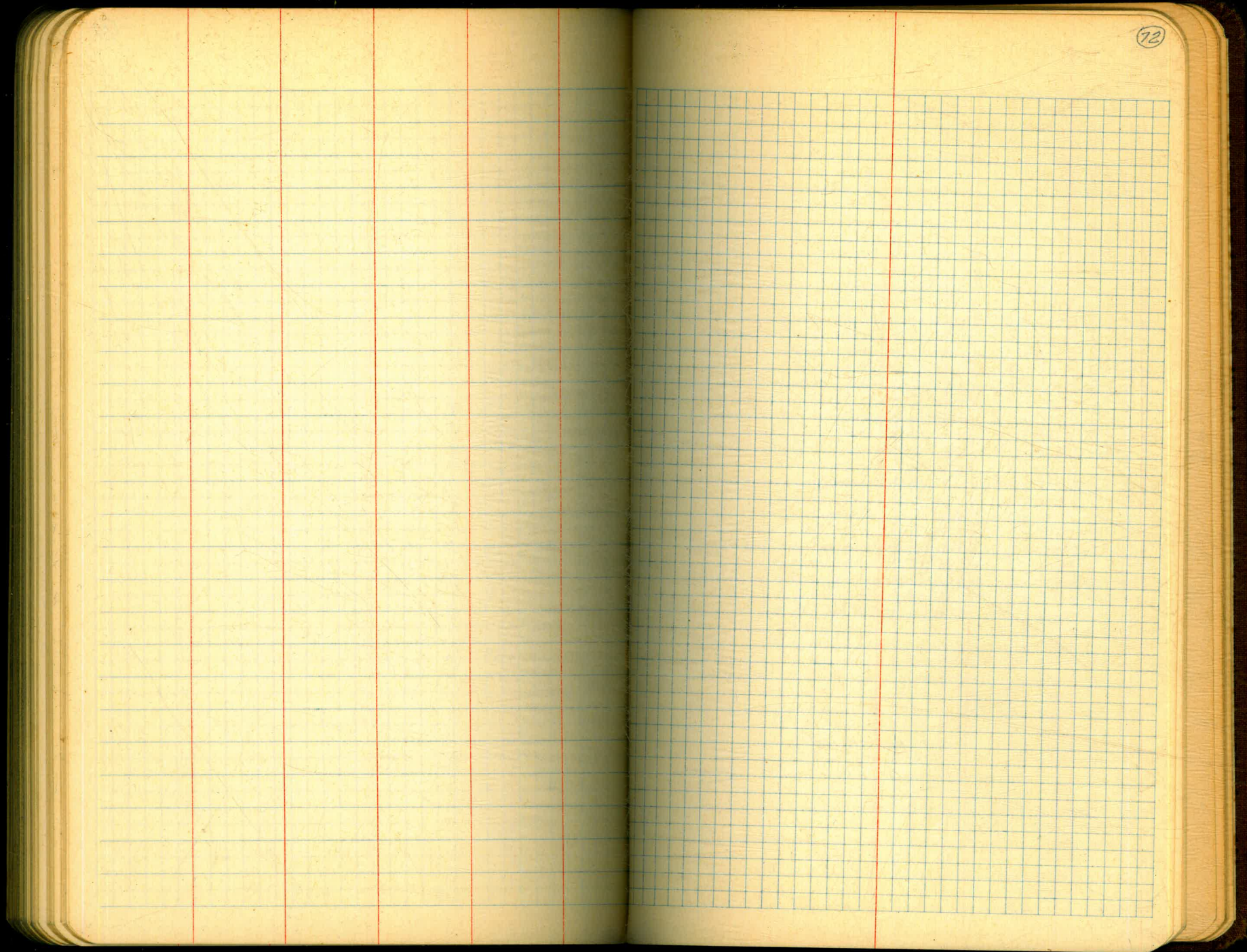


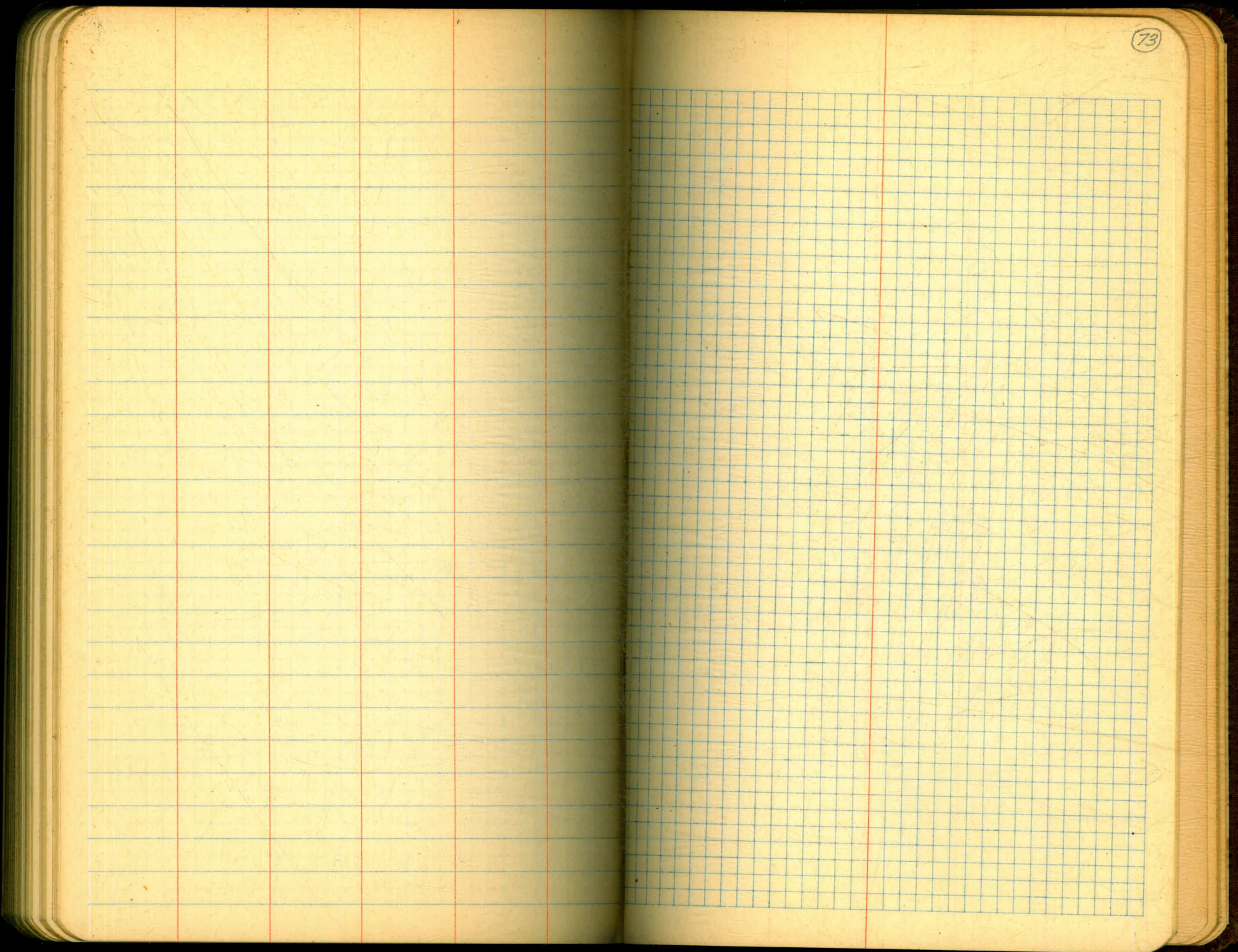


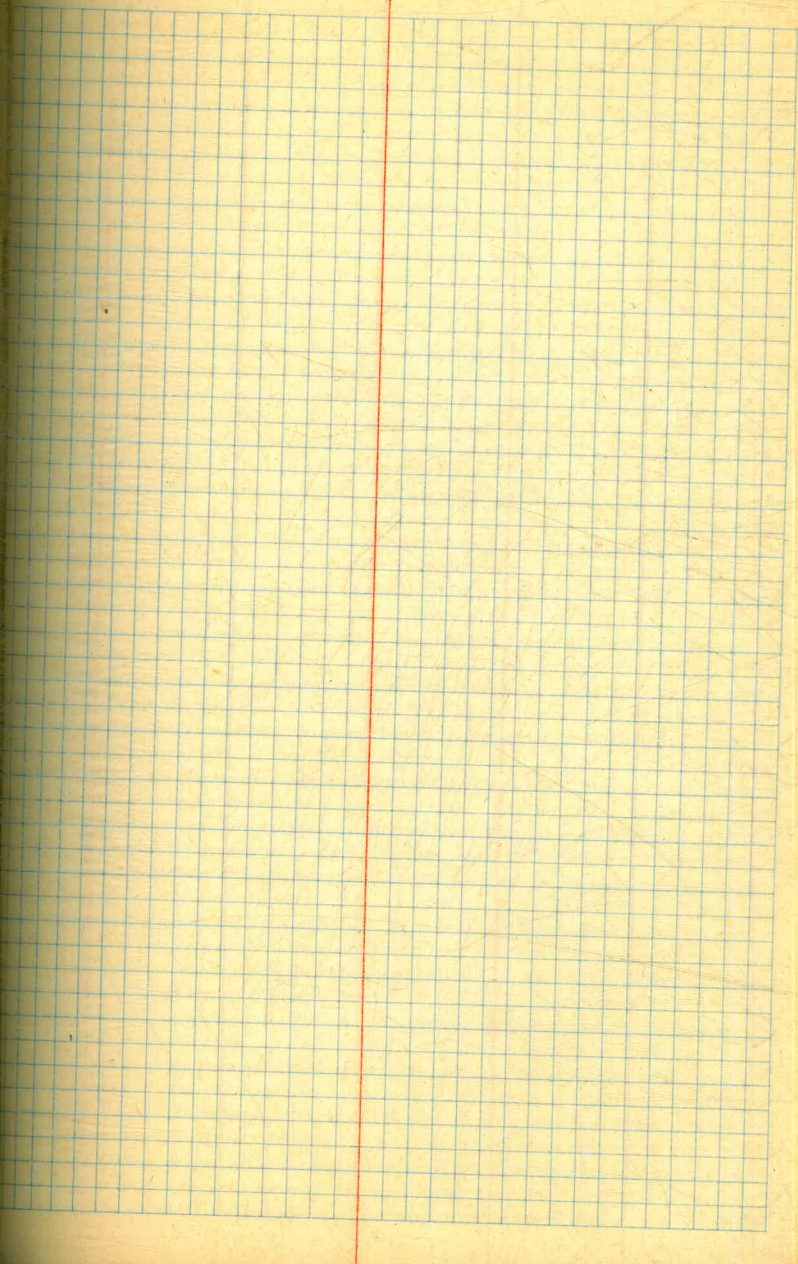
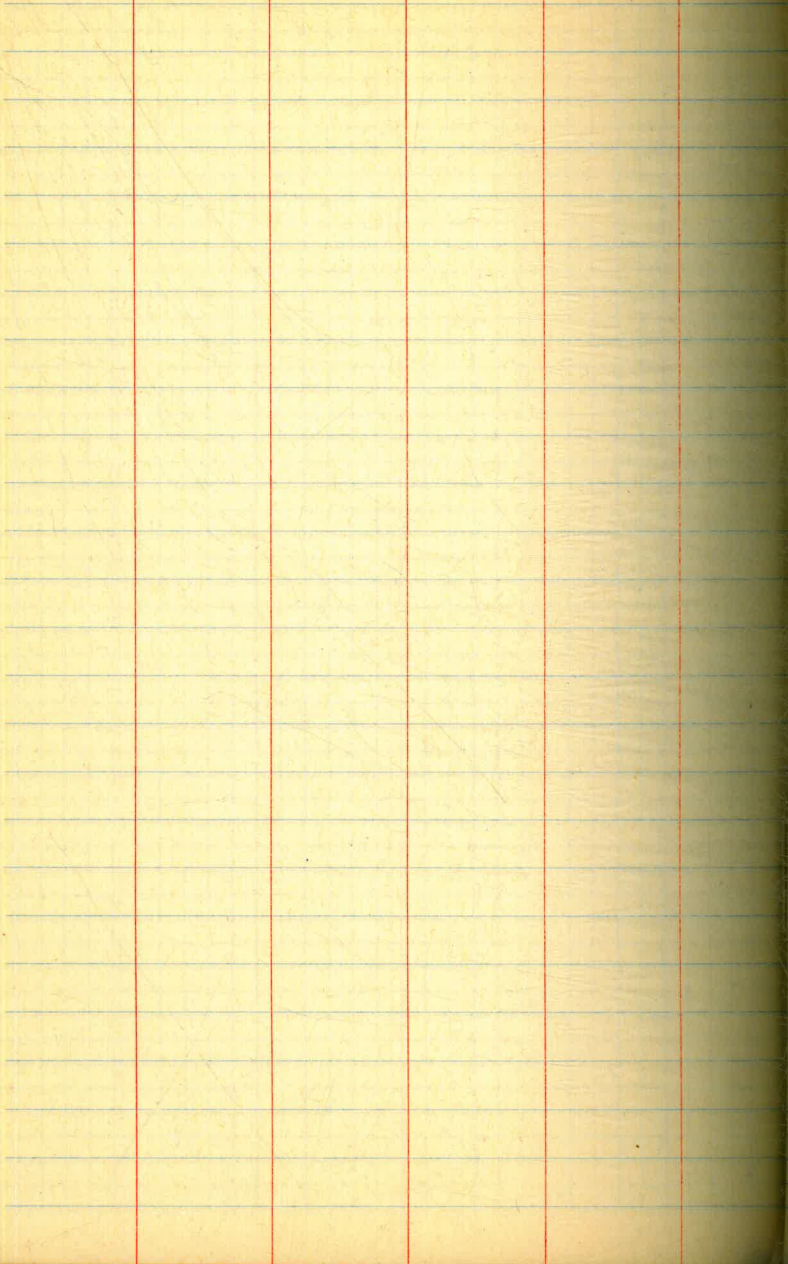


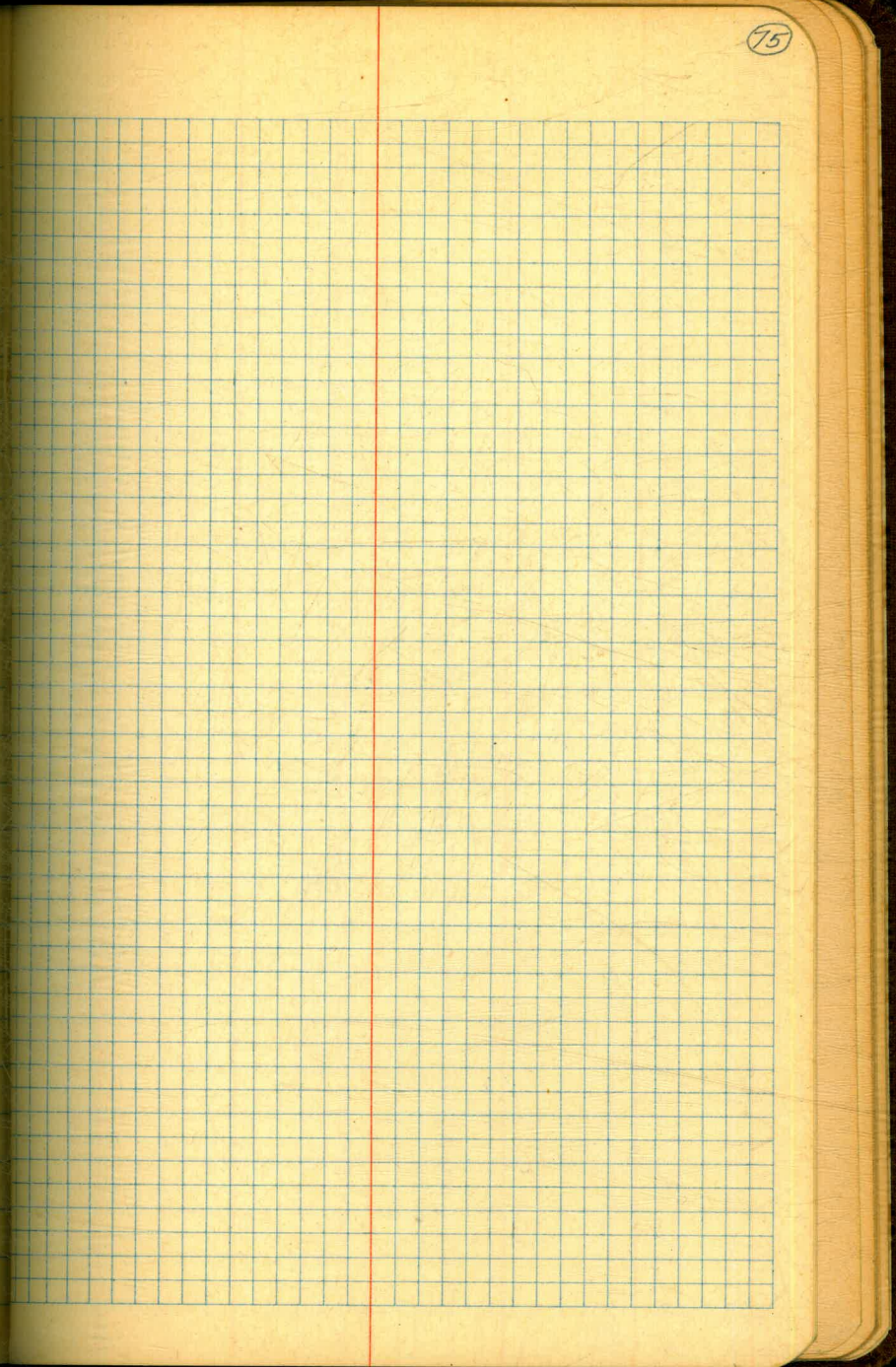
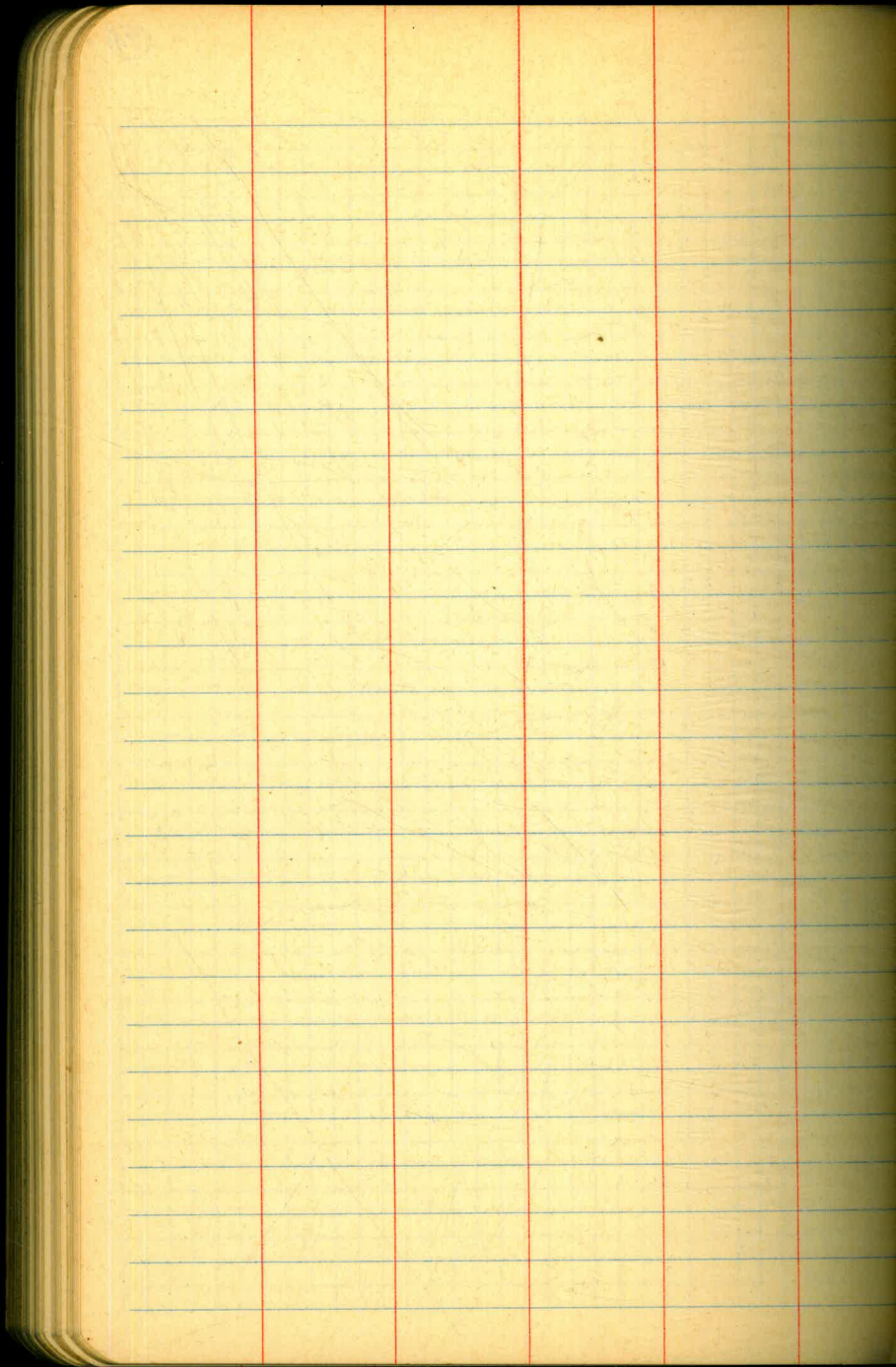
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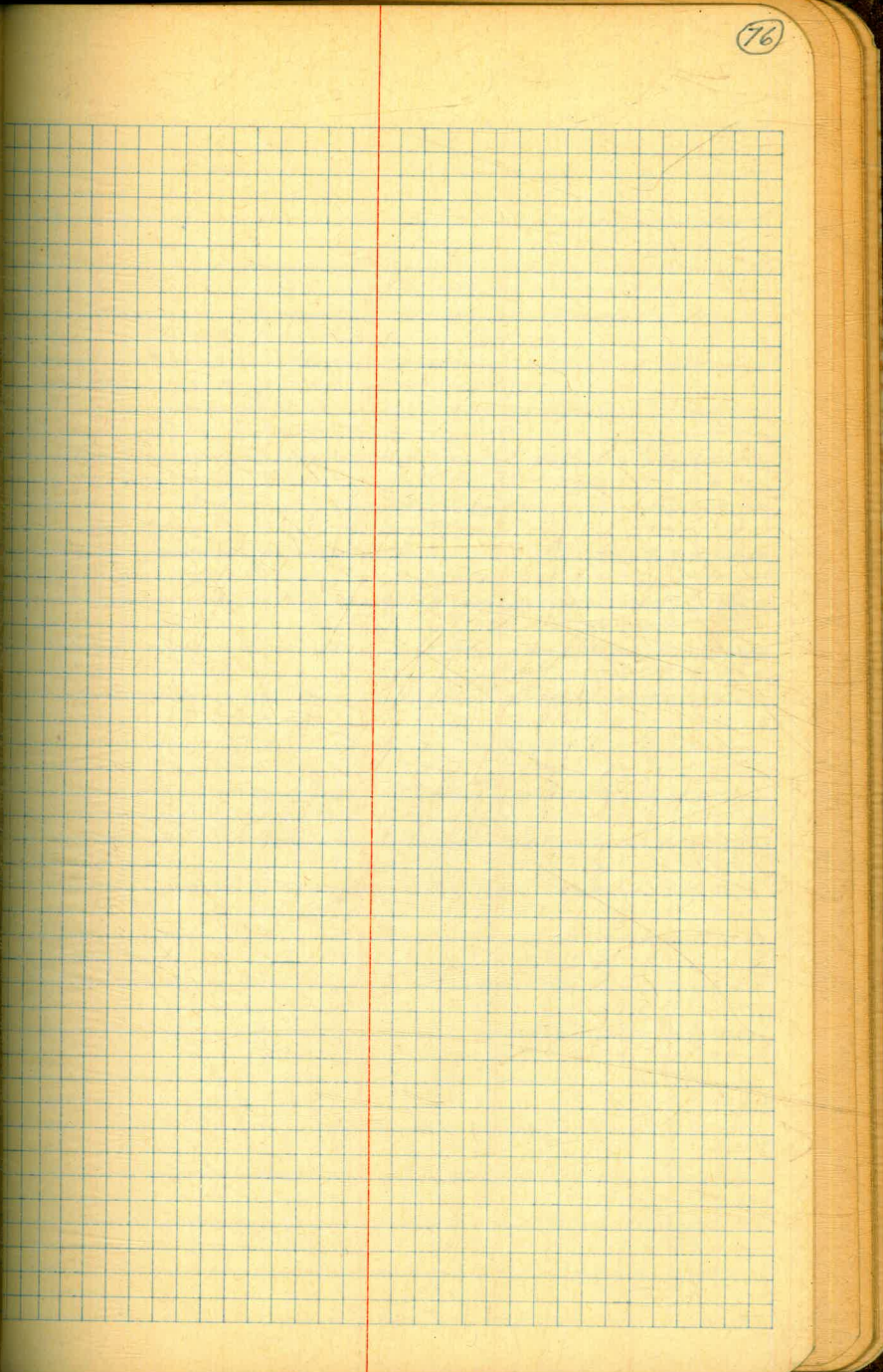
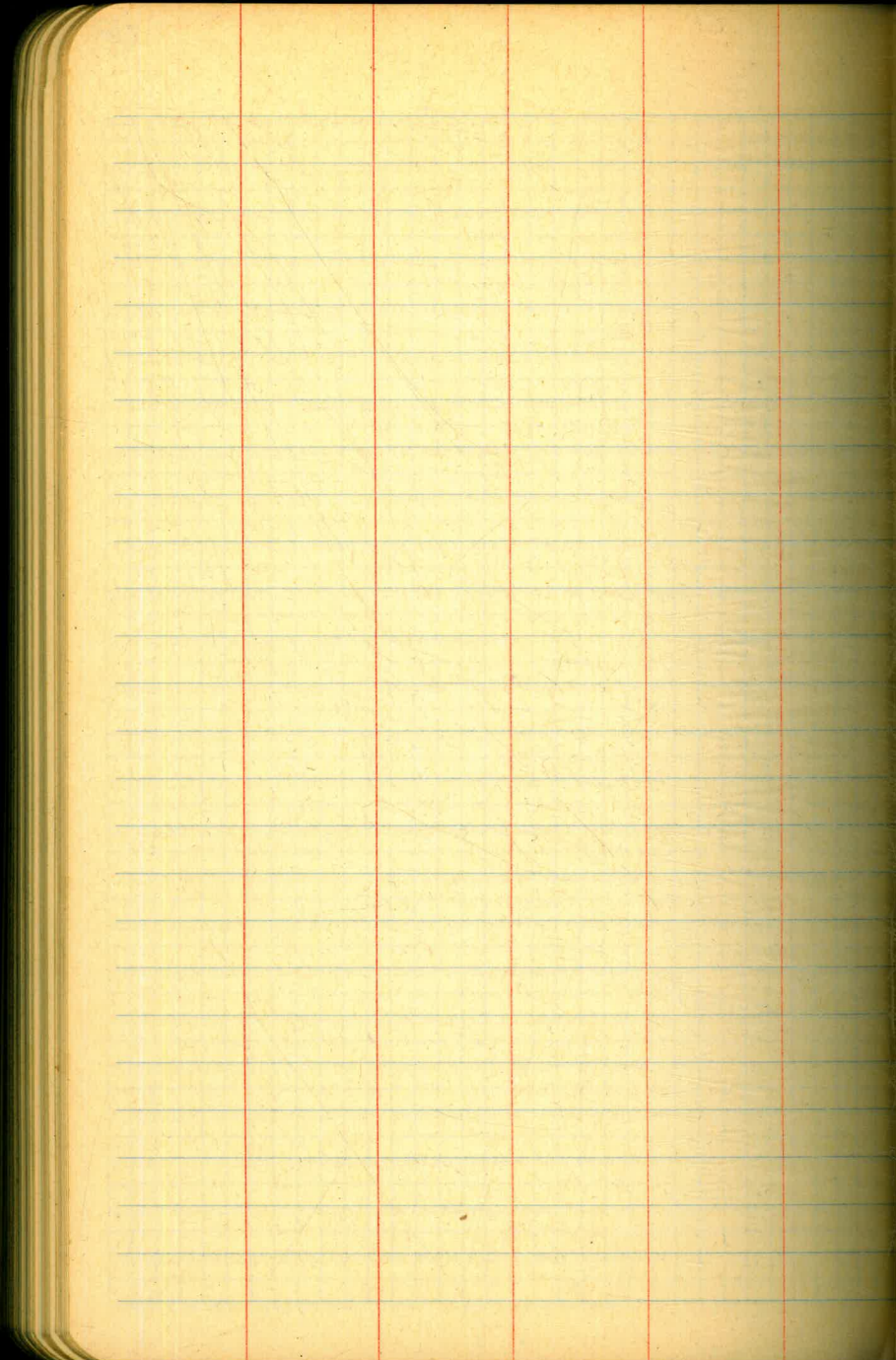


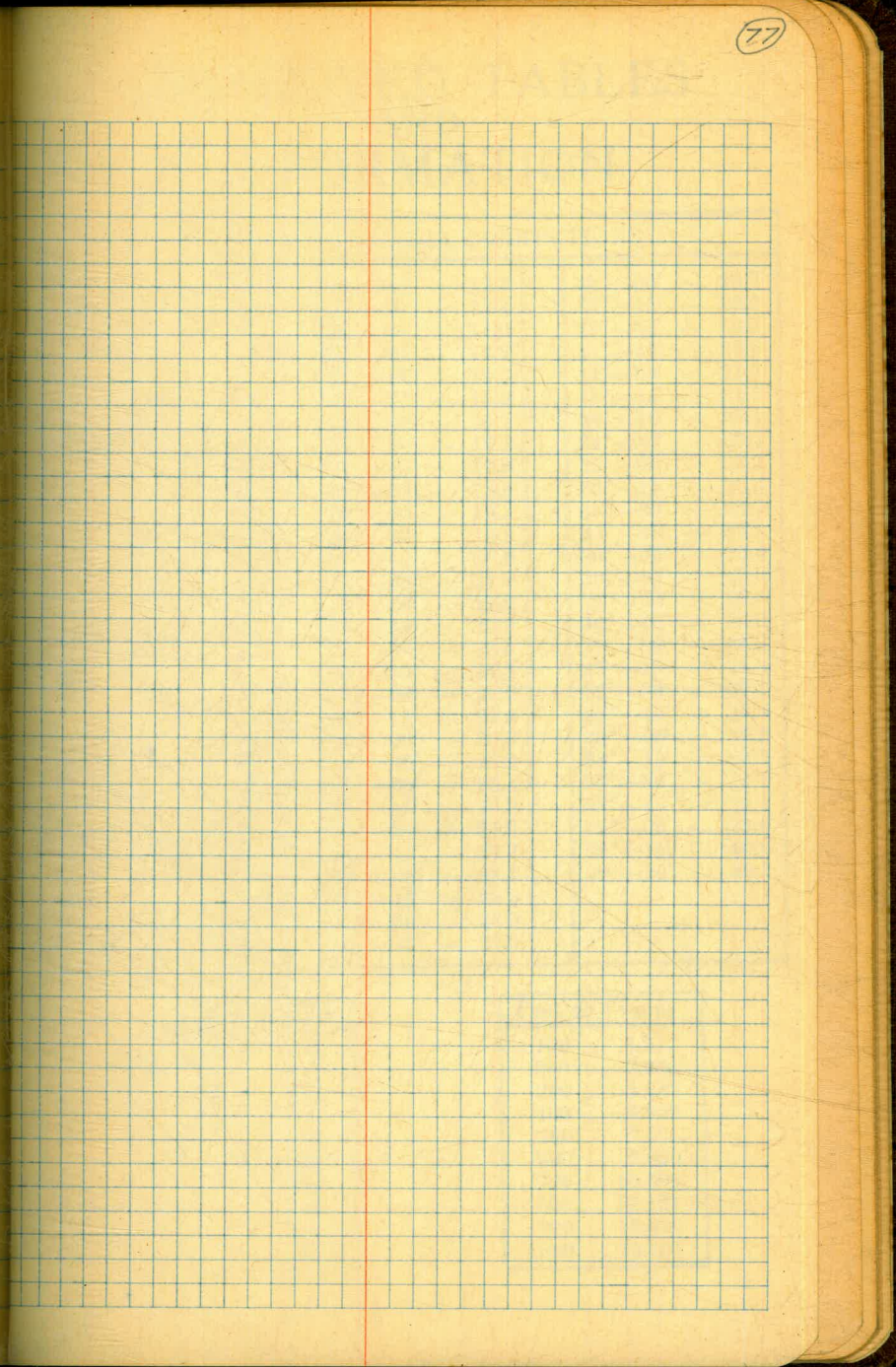
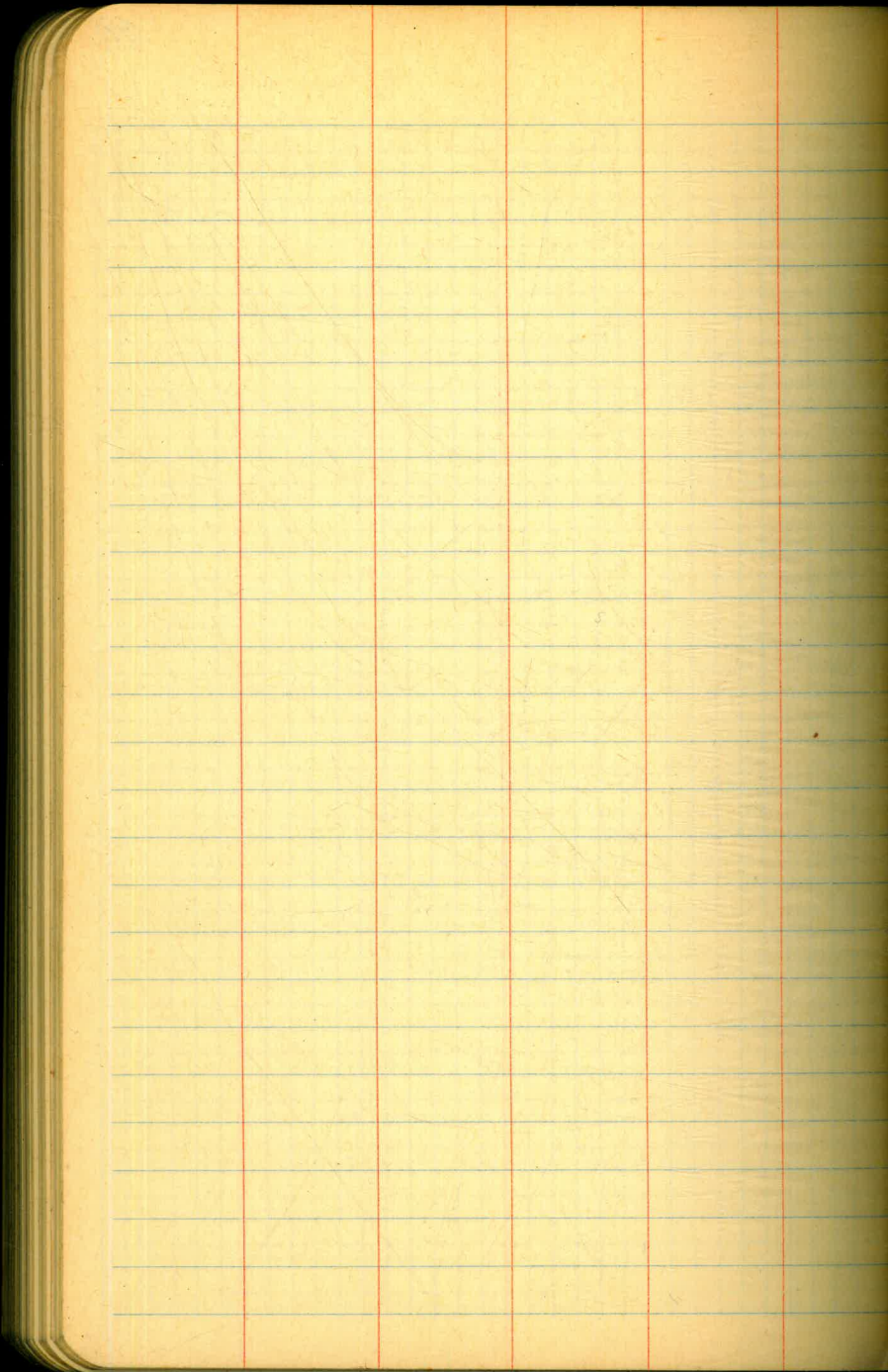












11.27

Terra F. Hyd 15449

IMPROVED TABLES AND INFORMATION

HORIZONTAL STADIA CORRECTIONS

| | | |
|----------------|----------------|----------------|
| 2°-00' — 0.1 | 21°-00' — 12.3 | 33°-00' — 29.7 |
| 3°-00' — 0.3 | 21°-30' — 13.4 | 33°-15' — 30.1 |
| 4°-00' — 0.5 | 22°-00' — 14.0 | 33°-30' — 30.5 |
| 5°-00' — 0.8 | 22°-30' — 14.7 | 33°-45' — 30.9 |
| 6°-00' — 1.1 | 23°-00' — 15.3 | 34°-00' — 31.3 |
| 7°-00' — 1.5 | 23°-30' — 15.9 | 34°-15' — 31.7 |
| 8°-00' — 1.9 | 24°-00' — 16.5 | 34°-30' — 32.1 |
| 9°-00' — 2.5 | 24°-30' — 17.2 | 34°-45' — 32.5 |
| 10°-00' — 3.0 | 25°-00' — 17.9 | 35°-00' — 32.9 |
| 10°-30' — 3.3 | 25°-30' — 18.6 | 35°-15' — 33.3 |
| 11°-00' — 3.6 | 26°-00' — 19.2 | 35°-30' — 33.7 |
| 11°-30' — 4.0 | 26°-30' — 19.9 | 35°-45' — 34.1 |
| 12°-00' — 4.3 | 27°-00' — 20.6 | 36°-00' — 34.6 |
| 12°-30' — 4.7 | 27°-30' — 21.3 | 36°-15' — 35.0 |
| 13°-00' — 5.1 | 28°-00' — 22.0 | 36°-30' — 35.4 |
| 13°-30' — 5.5 | 28°-30' — 22.8 | 36°-45' — 35.8 |
| 14°-00' — 5.9 | 29°-00' — 23.5 | 37°-00' — 36.2 |
| 14°-30' — 6.3 | 29°-30' — 24.3 | 37°-15' — 36.6 |
| 15°-00' — 6.7 | 30°-00' — 25.0 | 37°-30' — 37.1 |
| 15°-30' — 7.2 | 30°-15' — 25.4 | 37°-45' — 37.5 |
| 16°-00' — 7.6 | 30°-30' — 25.8 | 38°-00' — 37.9 |
| 16°-30' — 8.1 | 30°-45' — 26.2 | 38°-15' — 38.3 |
| 17°-00' — 8.5 | 31°-00' — 26.5 | 38°-30' — 38.7 |
| 17°-30' — 9.0 | 31°-15' — 26.9 | 38°-45' — 39.1 |
| 18°-00' — 9.5 | 31°-30' — 27.3 | 39°-00' — 39.6 |
| 18°-30' — 10.1 | 31°-45' — 27.7 | 39°-15' — 40.0 |
| 19°-00' — 10.6 | 32°-00' — 28.1 | 39°-30' — 40.5 |
| 19°-30' — 11.2 | 32°-15' — 28.5 | |
| 20°-00' — 11.7 | 32°-30' — 28.9 | |
| 20°-30' — 12.3 | 32°-45' — 29.3 | |

Chains to Feet

| | |
|----------|-----|
| 1 | 66 |
| 2 | 132 |
| 3 | 198 |
| 4 | 264 |
| 5 | 330 |
| 6 | 396 |
| 7 | 462 |
| 8 | 528 |
| 9 | 594 |
| 10 | 660 |

Feet to Chains

| | |
|------------|--------|
| 100 | 1.515 |
| 200 | 3.030 |
| 300 | 4.545 |
| 400 | 6.060 |
| 500 | 7.575 |
| 600 | 9.090 |
| 700 | 10.606 |
| 800 | 12.121 |
| 900 | 13.636 |
| 1,000 | 15.151 |

+12. Top

133

+10.67 slope