

La Jolla

174

398

TRANSIT

F.B. 174

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

MINUTES	LKS.	MINUTES	LKS.	MINUTES	LKS.
1	2 1/3	21	49	41	95 2/3
2	4 2/3	22	51 1/3	42	98
3	7	23	53 2/3	43	100 1/3
4	9 1/3	24	56	44	102 2/3
5	11 2/3	25	58 1/3	45	105
6	14	26	60 2/3	46	107 1/3
7	16 1/3	27	63	47	109 2/3
8	18 2/3	28	65 1/3	48	112
9	21	29	67 2/3	49	114 1/3
10	23 1/3	30	70	50	116 2/3
11	25 2/3	31	72 1/3	51	119
12	28	32	74 2/3	52	121 1/3
13	30 1/3	33	77	53	123 2/3
14	32 2/3	34	79 1/3	54	126
15	35	35	81 2/3	55	128 1/3
16	37 1/3	36	84	56	130 2/3
17	39 2/3	37	86 1/3	57	133
18	42	38	88 2/3	58	135 1/3
19	44 1/3	39	91	59	137 2/3
20	46 2/3	40	93 1/3	60	140

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City Hall, San Diego, Cal.

TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

Angle	COR. IN LINKS						
0		0		0		0	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

769.2 - 22254

1963 - N 71° 00' E
mag N 50° 15' E

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LORING
BOOK STORE
122 5TH ST.
SAN DIEGO

SUPERIOR
COURT DEPT. _____

Pfs Exhibit 70

Identification _____

Evidence _____ ✓

In case of)

City)

Plaintiff,)

S.C. No.

vs.)

220541

Bank of America)

Defendant.)

2/25 19 59

R. B. JAMES, County Clerk

By DEAN SHULTZ
Deputy

Survey of "Villa Tract"
 La Jolla Park, being a

Subdivision of blocks 60-
 61-62-63-64-65-66 and 67 of
 La Jolla Park and forming
 a portion of Pueblo Lots No.
 1283 and 1284, Pueblo Lands
 of San Diego, Cal.

For

Chase and Ludington,
 proprietor.

Preliminary Survey.

April 5th 1894.

W. K. Evans

L. T. Daley

} Assts.

By R. P. Wheaton

Inst. on West corner post
of Blk. 60 (no hub found)

Take sun obs. 3 P.M.

Va. $14^{\circ}37'E$.

Find three old hubs in
about a 1000 ft. dist. easterly
along the S. Edg. of tract,
which gives course of
 $N. 74^{\circ}39'E$.

Thence same course

42.8 An old hub & nail.

44+43.5 Post (corner) Blks. 60-61

6 In road, S.S. Edg. to a well
and to steeper ascent.

9+17 Drove spike on bench N.S.S.

10+94 Post marked 62-63,

13+38 In shallow ravine, F.N. $35^{\circ}W$.

14+25.3 To a charred post, evidently
to mark Blks. 63-64,

14+98 Two ft. W. of trail N & S. Edg. to PK,
Descend

17+52 Charred post.

N. $15^{\circ}21'W$. descend.

preceding course (N. $74^{\circ}39'E$)

Thence R. ang. L. of
N. $74^{\circ}40'E$.

Gives for preceding course

sun obs. 1³⁰ P.M. $7a. 14^{\circ}38'E$.

of La Jolla Park. in brush.

Charred post, at S.E. cor.

37+15

To point 0.5 ft. R. of a

33+97

Bottom of ravine, F. N. ascend

31

A charred post,

on steep N. slope, 30' N. of bench.

30+29

Old hub & tack, at 0.1' L. descend

27+50

Bottom of ravine, F. N. W.

26+39

Descend

26+19

0.1 ft. L. of an old hub, & tack

24+05

Post

22+37

Remain of bench, pointing N. W.

21+05

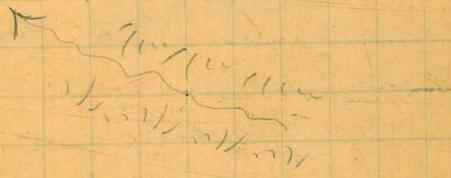
Bottom of ravine, F. W. Y. ascend,

18+95

St. on middle ridge

17+95

Trail and bottom of ravine

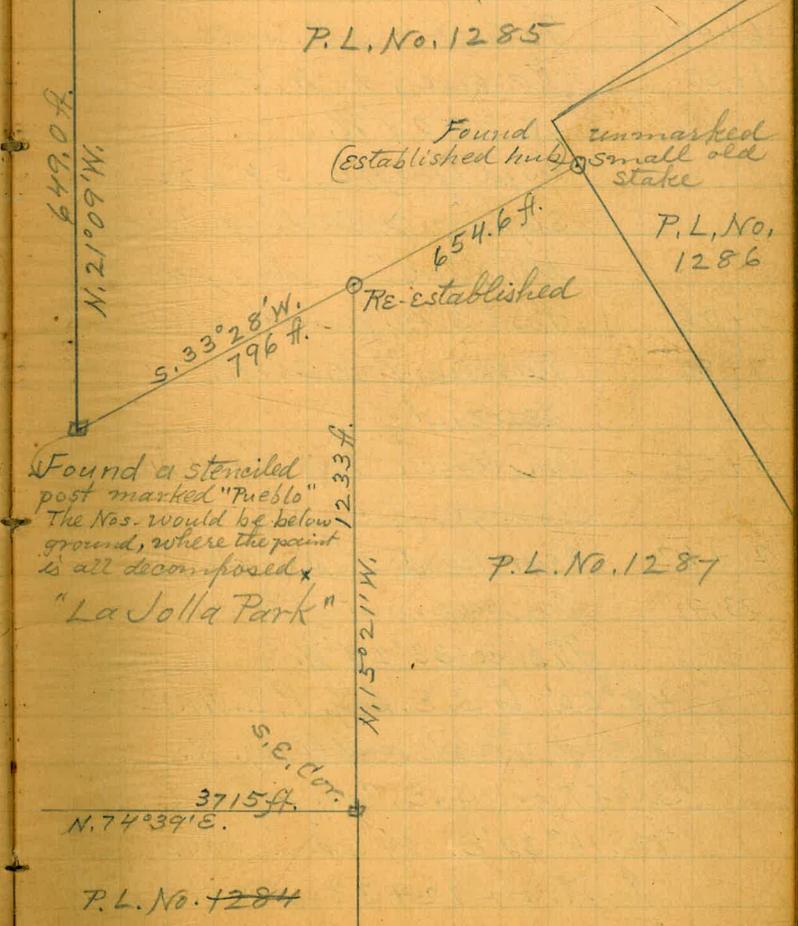


bears N. 33° 28' E, 654.6 ft.
Hub by said old stake
12+33 (below) whence foregoing

said old stake.
Established a hub close to
Bdy of P.L. No. 1286.
of P.L. No. 1285 with the S. W.
intersection of the S. E. Bdy.
This old stake marked the
re-traced I decided that
distances of the Pueblo lines
On comparing courses and
marking observed).
Small old stake, (no
subsequently found a
P.L. 1288, by which I
the two S. Ely. corners of
1286 and 1288, finding
boundaries of P. Lots No.
previously re-tracing the
P.L. No. 1285, found by
S. E. boundary line of
To Intersection with the

12+33

Hub on S. side of State St. as
re-established by City Survey
in April 1904.



City Survey April 1904.

State St. as re-established by

- 6+49 To hub on S. side of
- 1+50 Ravine, F. N. Wly.
N. 21° 09' W.
and Ang. L. 54° 37' =
sight on preceding course
- 7+96 Stenciled "Pueblo" above ^{ground}
Post 3" sq. painted white &
- 7+80 Ravine, F. N. 30° W.
Descend.
- 5+26 On bench, hub 10' past summit,
Arroyo, flow N.
- 2+62 Near head of small
- 93.7 On summit of bench, descend
Thence 33° 28' W. ascend
48° 50' to S. E. Bdy. P. L. No. 12 85
Jolla Park and Ang. R.
sight on S. E. Cor. of La
Va. 14° 39' E. by sun obs.
Inst. on 12+33 (see P. 6)



N. 41° 55' E.

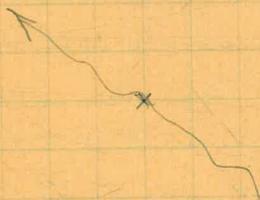
course of College St. to be
by City Survey

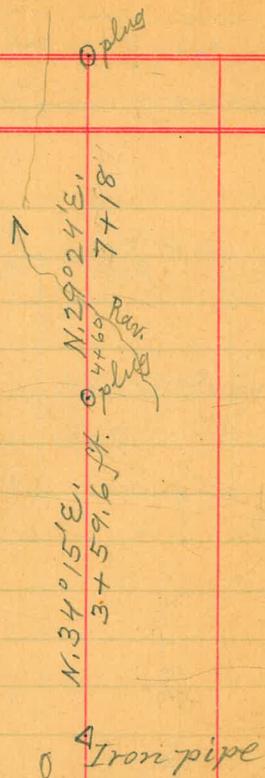
College St. making my
to correct 80 ft. width of
R. Ang. R. 1.5 ft. of old hub
was established at
Afterward a new hub

- 25+56.3 To 0.6 ft. R. of old hub ascend
24+75 Bottom of ravine, flow N.
21+71 Descend
20+89 On 0.5' L. of post 64-65
18+96 0.35' L. of old hub
is only 79.2 ft. - Continue
hub, balance to opp. side st.
13+17 Drive spike 0.35' L. of old
7+37.3 Hub.
1+57.4 Hub. ascend

on S. E. side line of College St.
course of three old hubs.

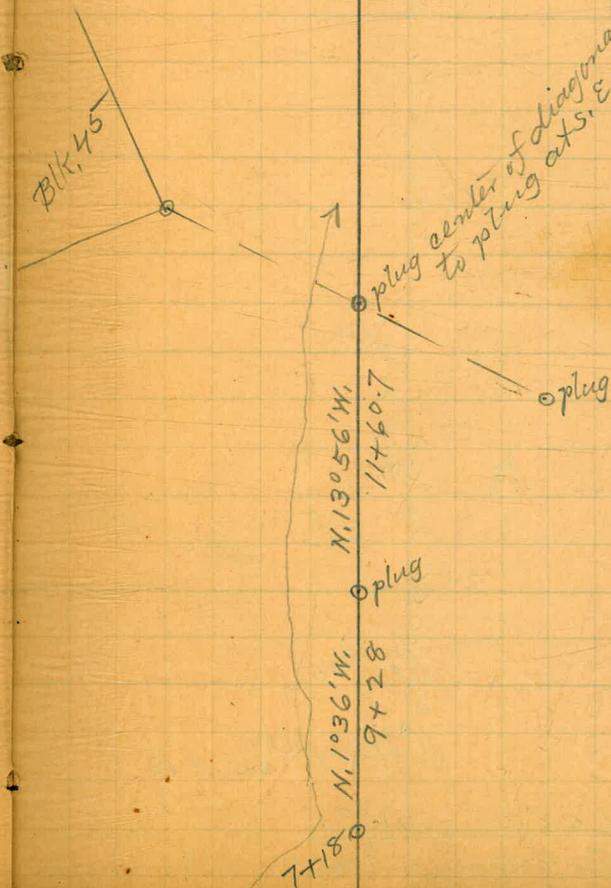
32° 45' = N. 41° 54' E. on average
N. 74° 39' E. and Ang. L
(see P. 2) Sight on S. Bdy. =
Inst. on N. cor. Blk. 60,

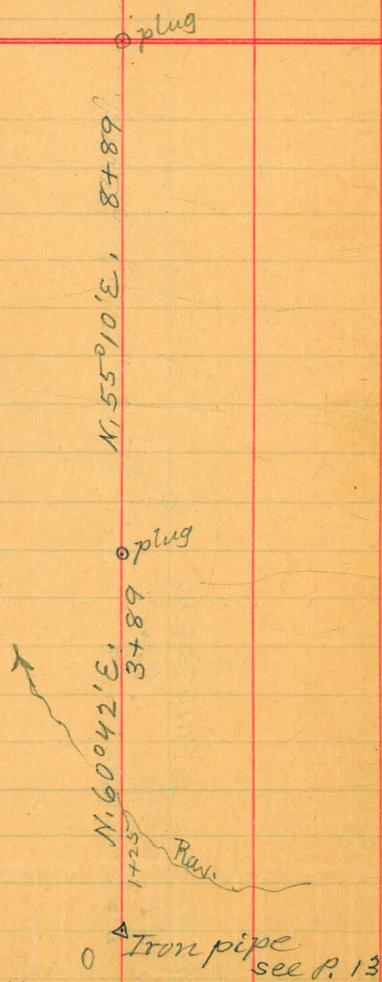




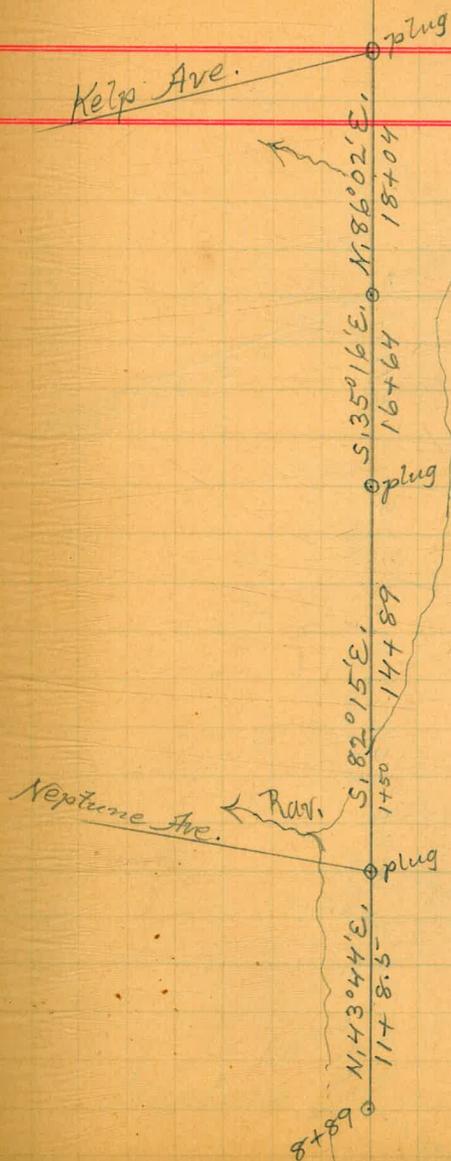
Coville Ave.

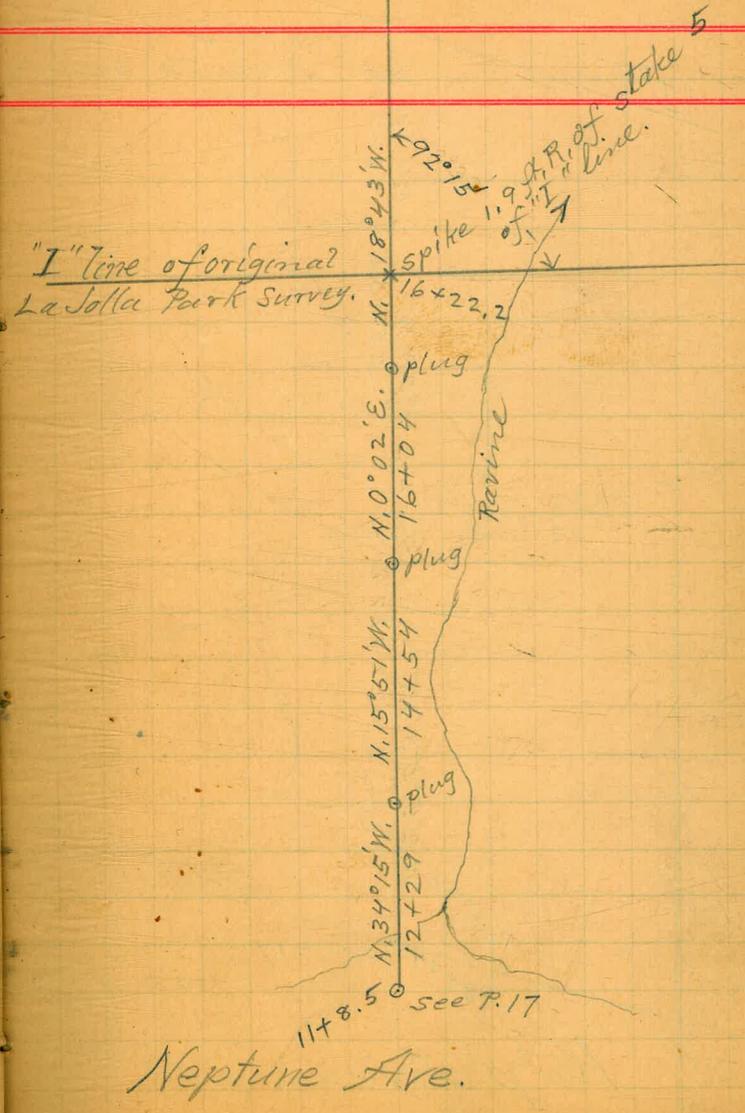
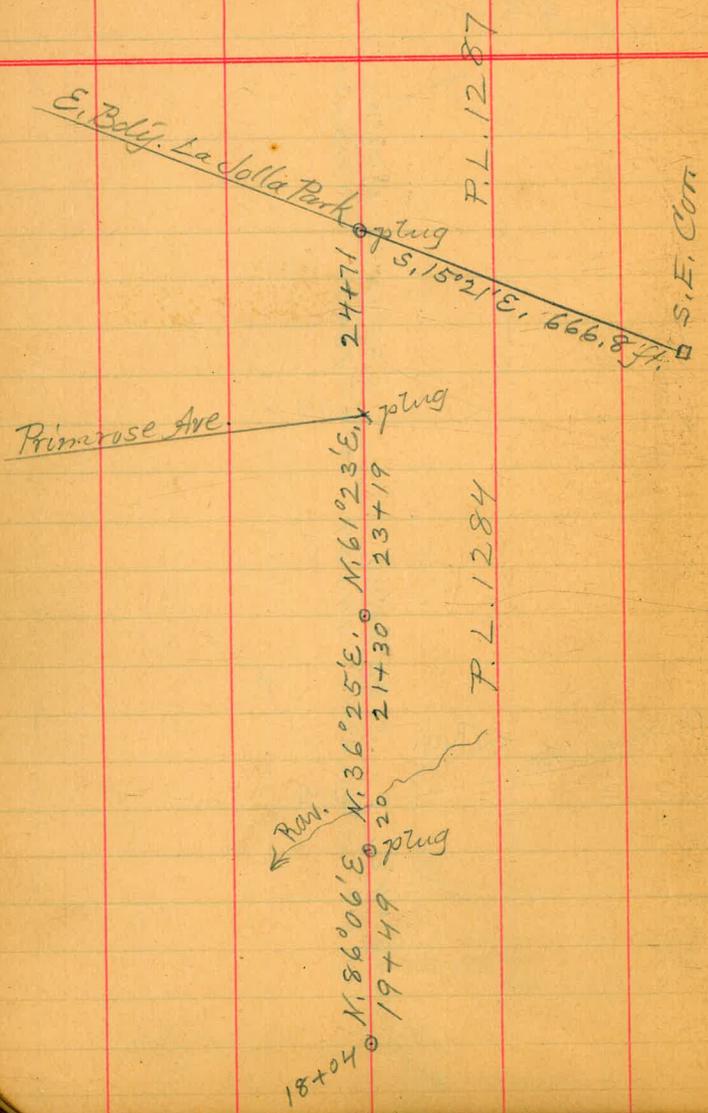
run a random line along
Reservoir, (see P. 13) and
I start at the iron pipe near
certain proposed Avenues etc.
To determine feasibility of

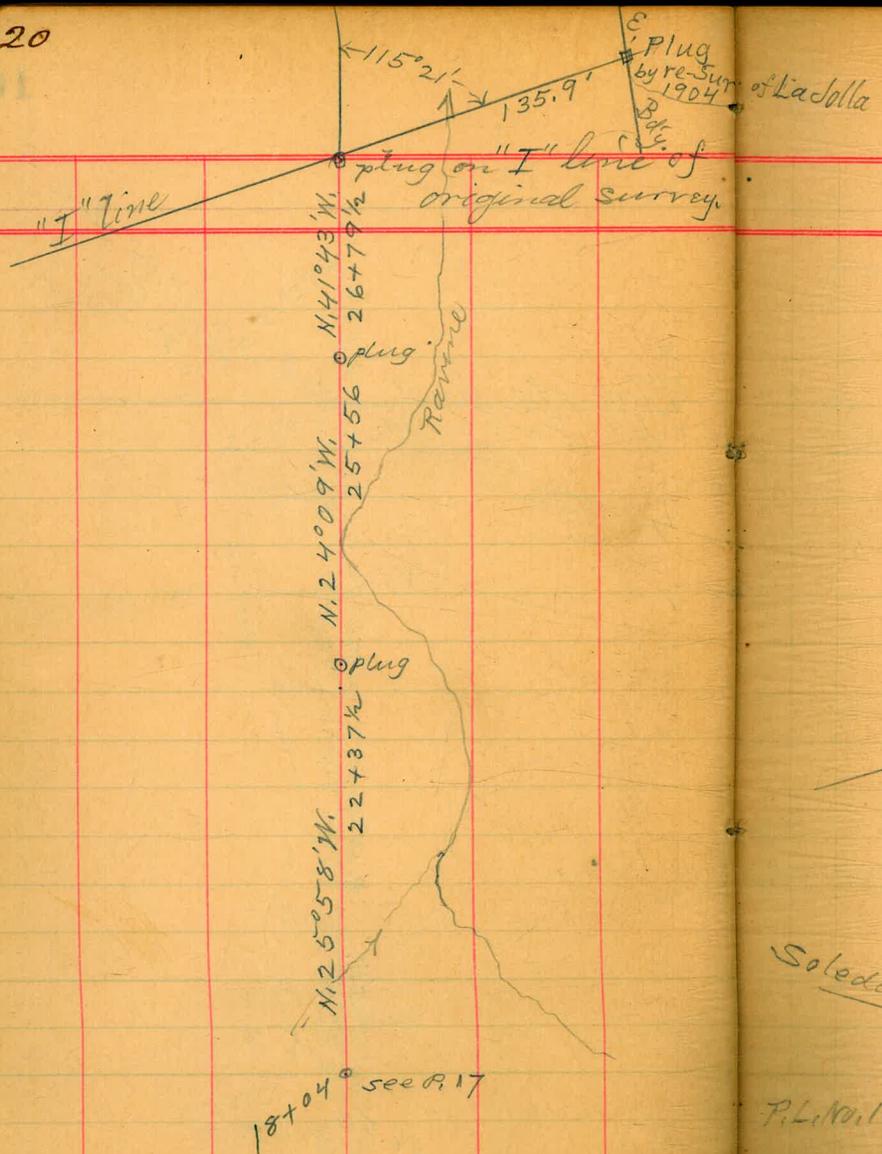




(For balance of Ave. to W. see P. 22)

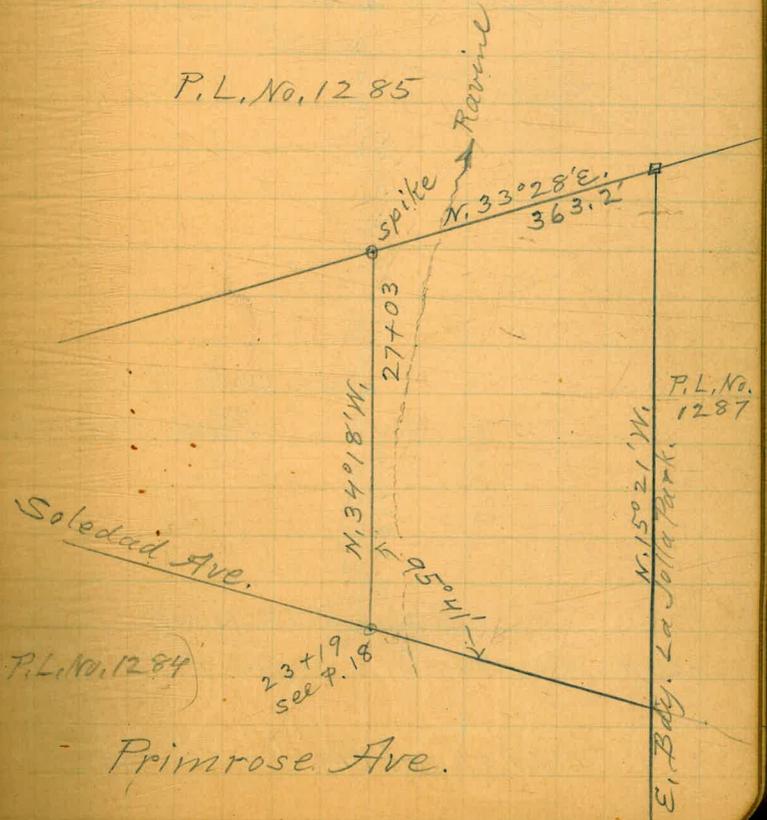






Kelp Ave.

P.L. No. 1285



Primrose Ave.

P.L. No. 1287

B.43

old plug

40'

Exchange Place

5+88.8

N. 48° 05' W.

S. 79° 12' W.

2+16.3

0

spike center of Exchange
Place. continues S. 85°Iron pipe
see P. 16

College

St.

B.44

new plug

40'

old plug

Soledad Ave.

S. Bdy.

N. 74° 39' E.

old post 63-64

51.85

La Jolla Park

7+59.2

S. 30° 31' E.

Shallow Ravine

4+13.2

S. 7° 55' S.

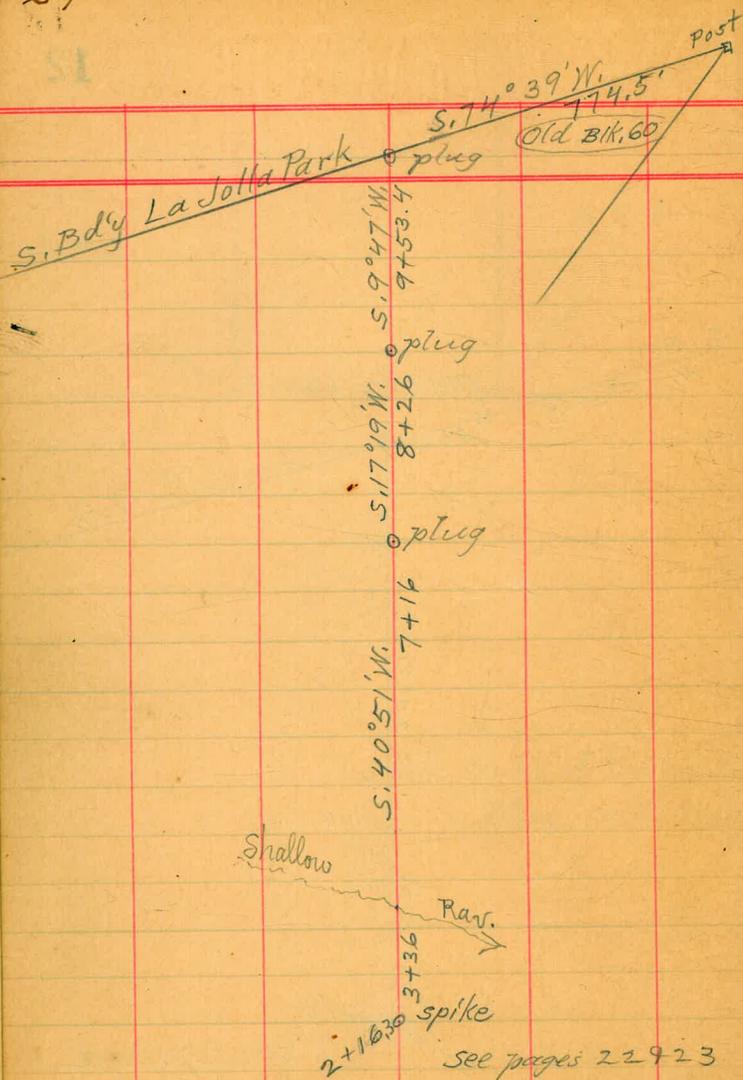
2+16.3

plug

spike

see opp. page.

Exchange Place



Mar Avenue.

Resume survey subdividing
the "Villa Tract" May 17-1904.

W. K. Evans }
L. J. Daley } Assistants.

Exchange Place

Bk. 43

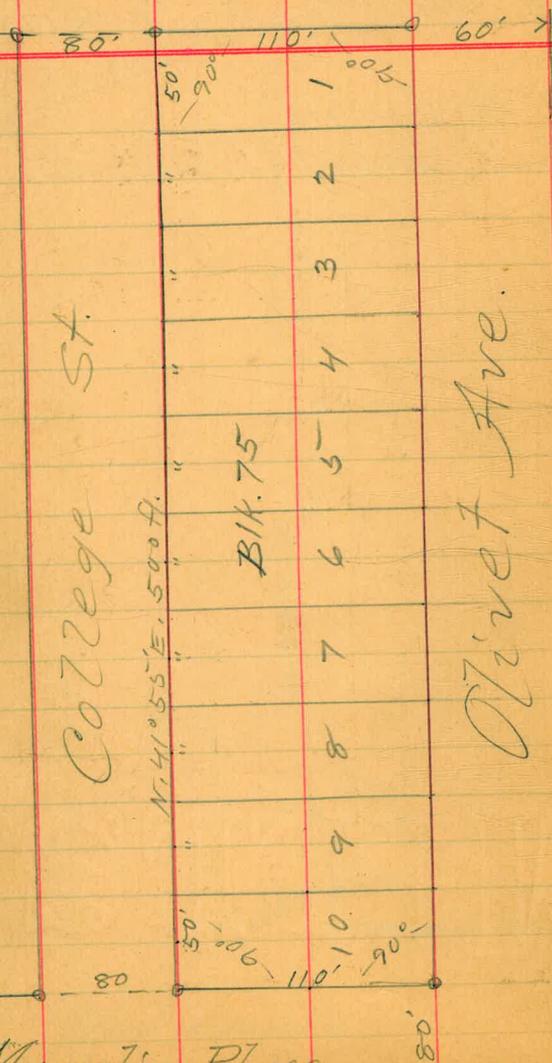
College St.

N. 41° 55' E. 500 ft.

Bk. 75

Olivet Ave.

Magnolia Place



Prospect St.

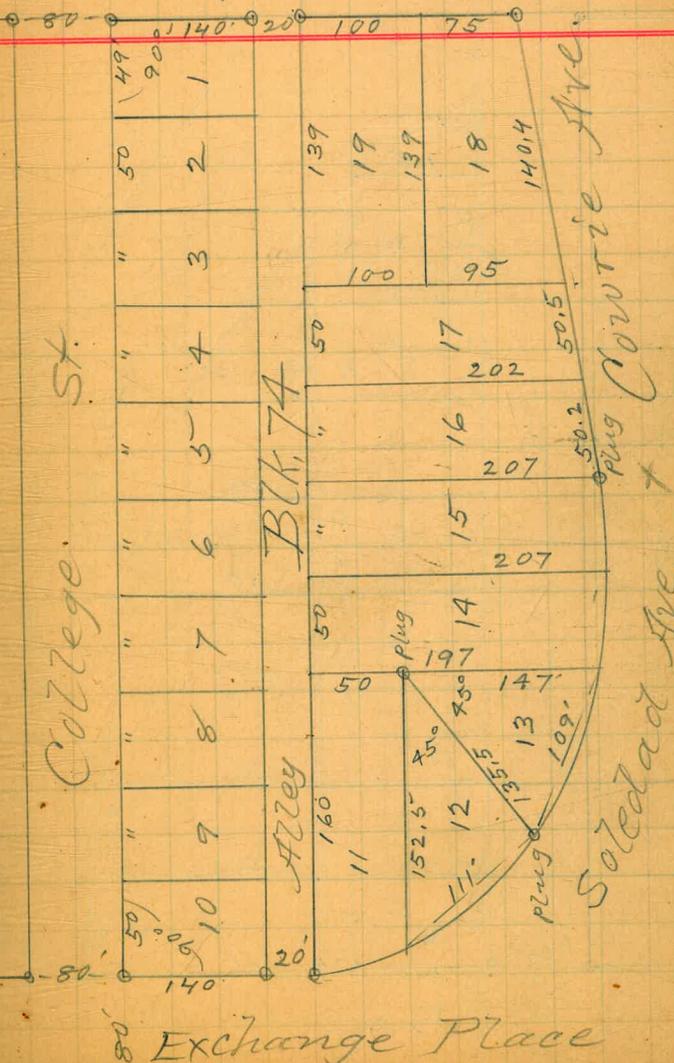
Bk. 44

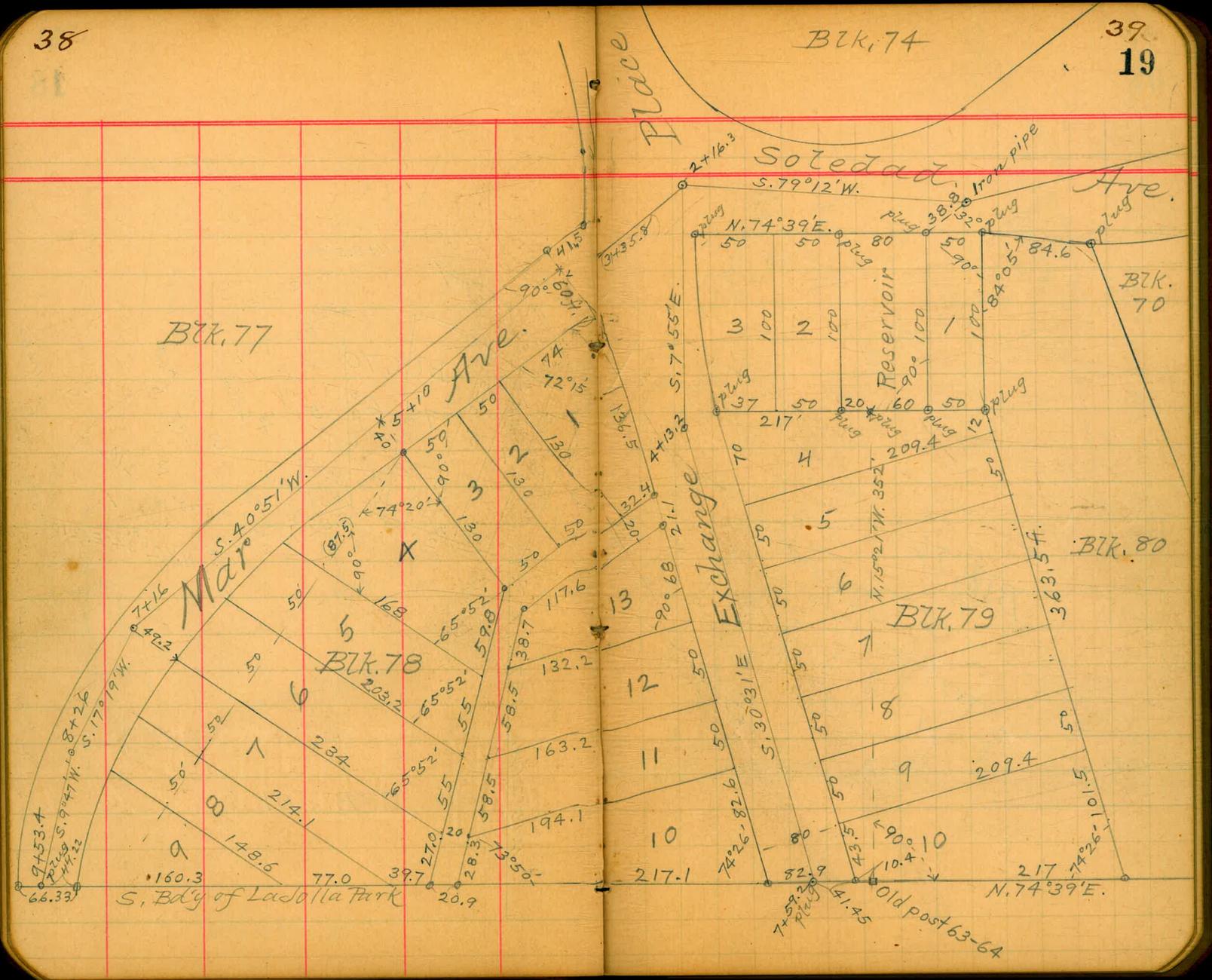
College St.

Bk. 74

Soledad Ave.

Exchange Place





Magnolia Place

Ave.

B7K.26

College St.

High St.

B7K.25

N. 41° 55' E

32

137.3

13

163.2

44

50

110

2

16.3

110.96

80

80

110

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11

B7K.76

Olive St

B7K.77

Survey of P.L. 1284. La Jolla
for the purpose of determining
area.

22

Oct Hatch
26th to 30th
1908
Deziel

POSTED

top of Bluff.

A meander line along

31+94² Lath hub with nail, the beginning
Produced same course to

on N14°53'W with Variation 14°37' E
of La Jolla Park N29°30' W map.
in rock file on south line

9+69² run to old 3"x3" chained stake
1284, 1283,

0+00 Beginning at 4"x4" marked

POSTED

10 Hetch
26 Moore
88 Deziel

Meander line along
top of bluff on north line
of PP 1284

	Mag.	True	
11+95			
11+13	22°00'R	556°30'E	541°53'E
9+53	55°00'R	578°30'E	563°53'E
6+98	29°00'R	N46°30'E	N61°07'E
5+98	72°00'L	N17°30'E	N32°07'E
5+07	50°00'L	588°30'E	573°53'E
3+31	44°00'R	538°30'E	523°53'E
1+45	40°00'R	582°30'E	567°53'E
0+00		586°30'E	571°53'E

POSTED



2450 ⁴ 126°56'R 536°00'E 521°12'E

22 +99 20°05'R N17°10'E N31°52'E

21 +56 24°10'L N30°0'W N11°47'E

19 +97

15 +40 13°20'R N21°20'E N35°57'E

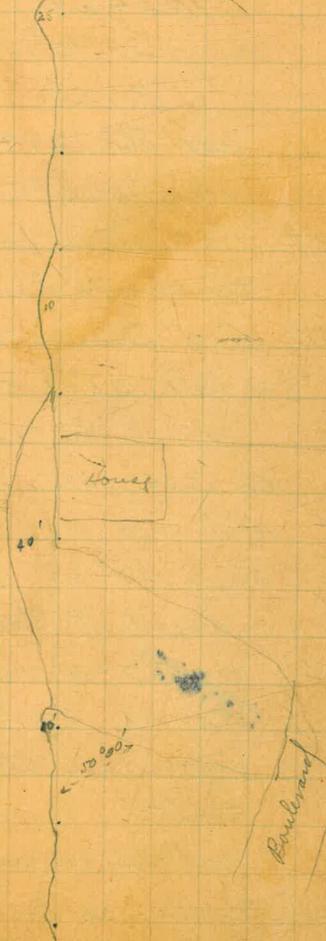
17 +03 26°30'L N8°00'E N22°37'E

13 +74 10°00'R N57°30'E N69°07'E

12 +81 56°00'L N44°30'E N59°07'E

11 +95 23°00'L 579°30'E 564°53'E

P. Runways Hub on East
Line 1289 5' from
edge of Bluff.



574'44½ W

angle 90°00½ R course.

Inst at SE Cor.

Cor Pl. 1284.

Guard stake. to South coast

22+00³ 1"x3" stake with nail and

to south line of La Jolla Park

12+31⁶ 3"x3" stake with guard stake

angle 131°11' R. course 515-96' E

Inst at cor. 1289, 1285, 1287.

Pl. 1289, 1285, 1287.

794¹⁵ Hub. and guard stake marked

angle 125°13' L course N33°33' E

Inst at stake marked "Pueblo"

15381 Z W. 3"x3" marked "Pueblo"

Course 521°12' E

9732 Hub on same state st. angle of 0000 tract.

106 Z Iron pin on survey of Ormaiztegui

Ocean. Course 521°12' E

Inst at Hub at NE Cor of Pl. near

POSTED

Error of closure 0'01'
making course N14°54' W.

Pl. 1284 angle to W line = 90°21½'
26+27² = Pt of beginning, viz SW Cor

137204

The image shows an open notebook with two pages. The left page is a ledger page with a grid of red lines. It has two horizontal lines near the top, creating a header section. Below these are several vertical lines that create columns of varying widths. The right page is a grid page with a uniform grid of light blue lines. The notebook is bound in the center with three visible staples. The paper is aged and yellowed.

08

31

The image shows an open notebook with two pages. The left page is ruled with a grid of red lines, and the right page is ruled with a grid of blue lines. The pages are yellowed with age. The notebook is bound in the center, and the pages are slightly curved. The number '08' is printed in the top left corner of the left page, and the number '31' is printed in the top right corner of the right page.

The image shows an open notebook with two pages. The left page is a ledger page with a grid of red lines. It has two horizontal lines near the top, creating a header section. Below these, there are five vertical lines that divide the page into six columns of varying widths. The right page is a standard grid page with a uniform grid of light blue lines. The notebook is bound in the center, and the pages are a light cream color. The number '32' is printed in the top right corner of the right page.

The image shows an open notebook with two pages. The left page is numbered '35' and the right page is numbered '36'. Both pages are yellowed with age. The left page has a grid of red lines forming a table with 6 columns and 15 rows. The right page has a grid of red lines forming a table with 1 column and 15 rows. The notebook is bound in the center, and the pages are slightly curved.

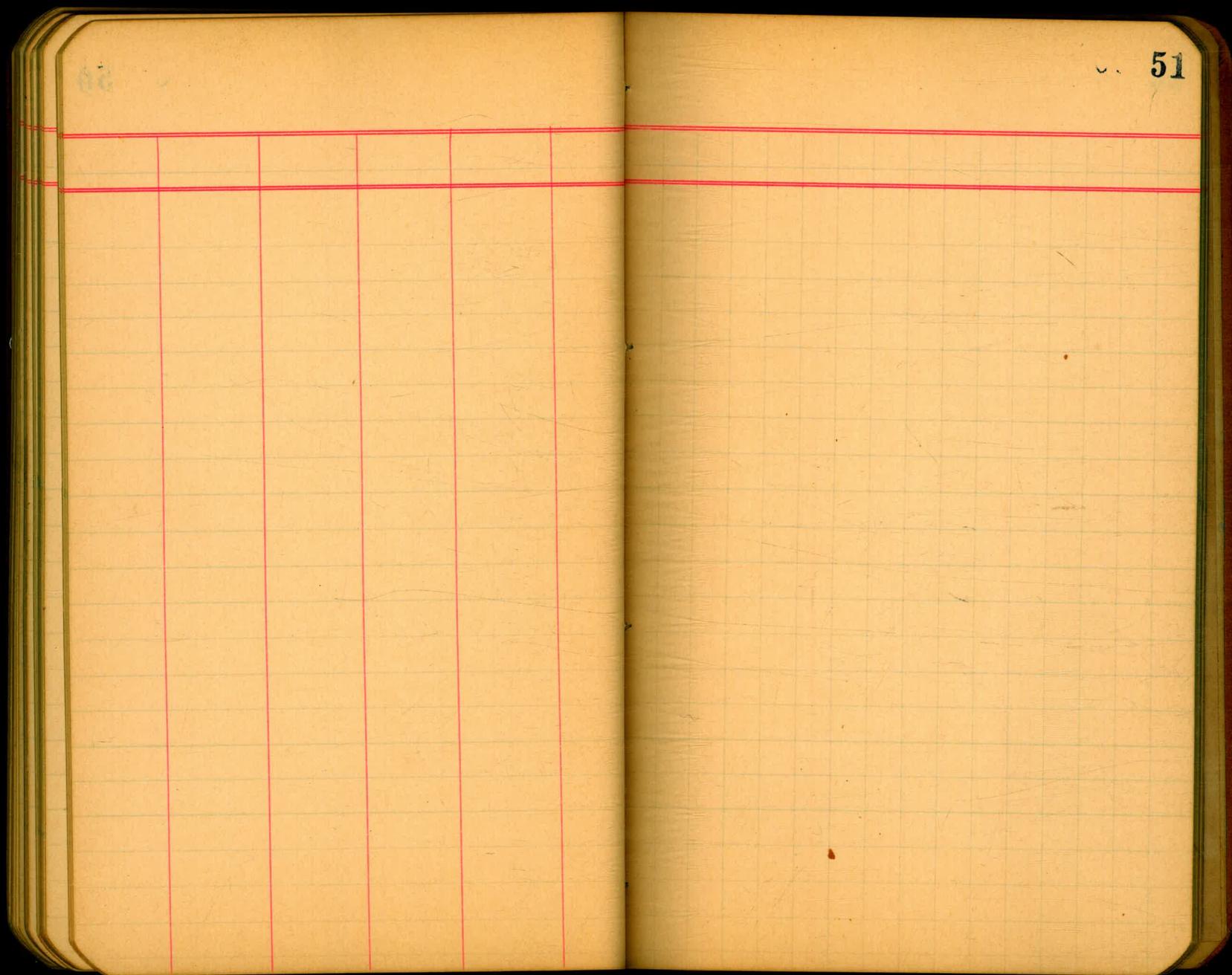
38

37

The image shows a grid of red lines on a yellowed page, forming a table structure. The grid consists of 5 columns and 15 rows. The lines are drawn across the page, creating a series of rectangular cells. The paper is aged and yellowed, and the grid is printed in red ink.

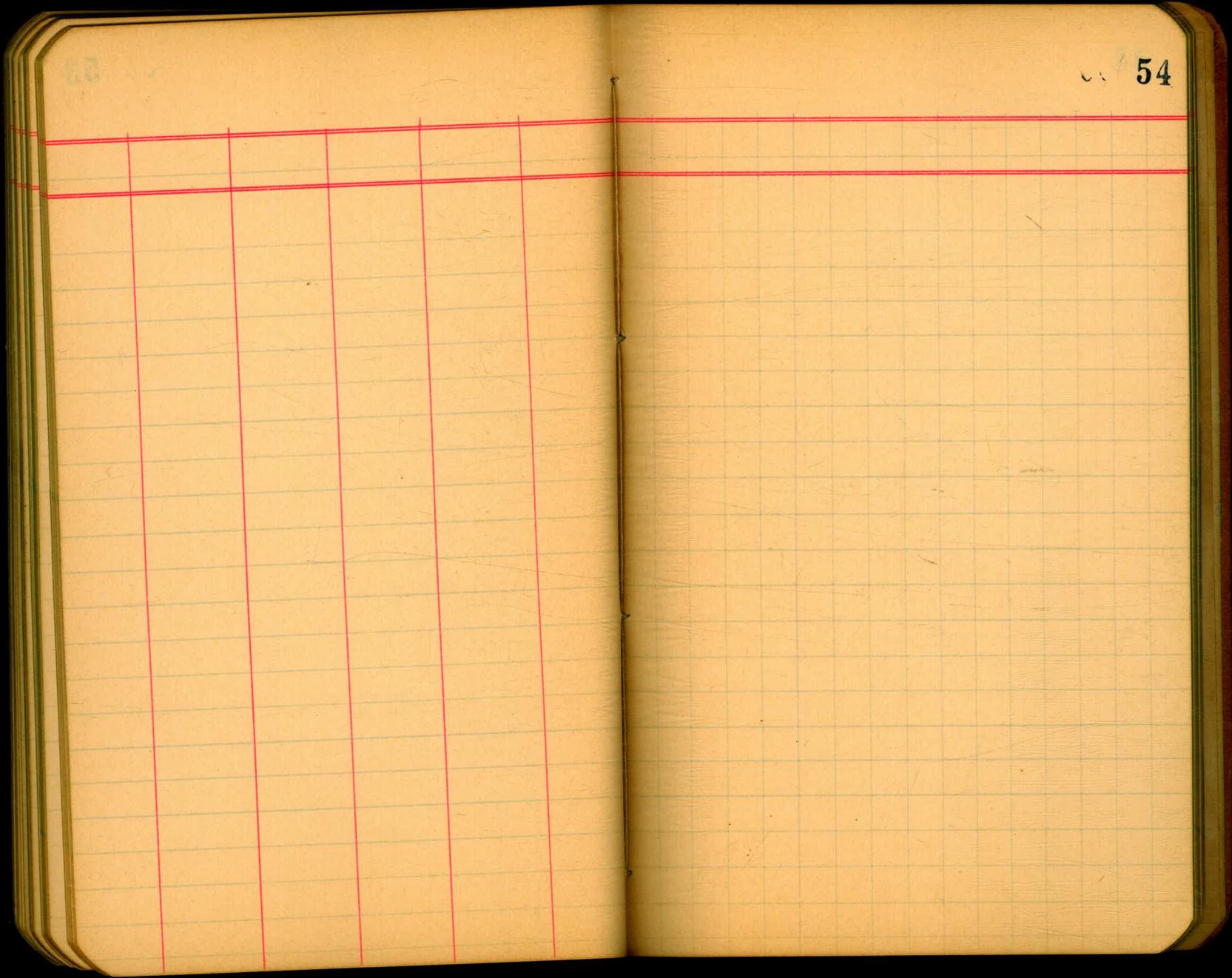
The image shows an open notebook with two pages. The left page is a ledger page with a grid of red lines. It has a header section at the top, defined by two horizontal red lines, and is divided into six vertical columns by five red lines. The right page is a grid page with a light blue grid pattern. The page number '46' is printed in the top right corner of the right page.

The image shows an open notebook with two pages. The left page is a ledger page with a grid of red lines. It has a header section at the top, defined by two horizontal red lines, and is divided into six vertical columns by red lines. The right page is a grid page with a uniform grid of light blue lines. The page number '50' is printed in the top right corner of the right page.



53

54



The image shows an open notebook with two pages. The left page is a ledger page with a grid of red lines. It has two horizontal lines near the top, creating a header section. Below these lines, there are six vertical red lines that divide the page into seven columns of varying widths. The right page is a standard grid page with a uniform grid of light blue lines. The number '58' is printed in the top right corner of the right page. The notebook has a dark cover visible around the edges.

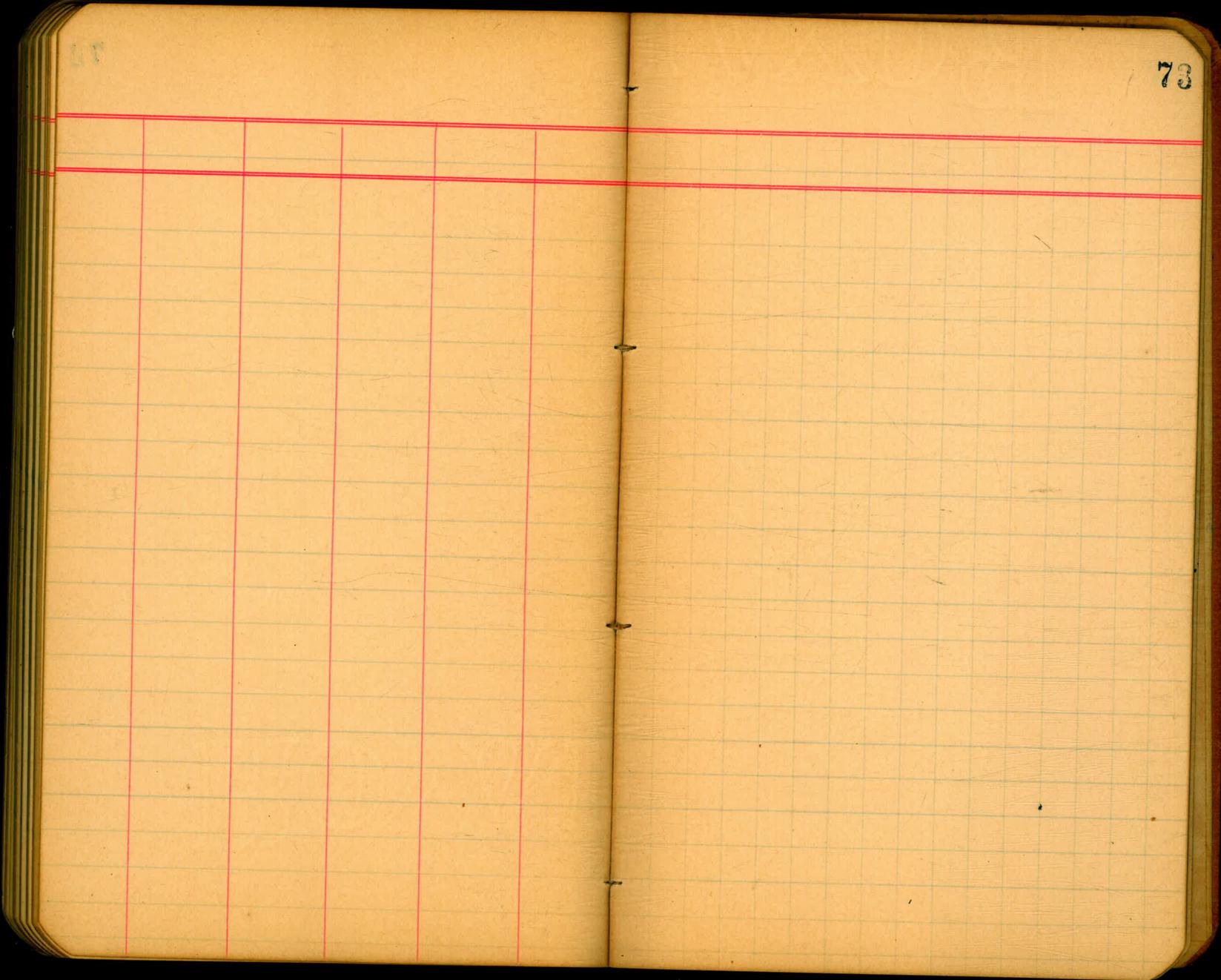
The image shows an open notebook with two pages. The left page is ruled with a grid of light blue lines and has four vertical red lines. The right page is ruled with a grid of light blue lines. The pages are yellowed and show signs of use. The notebook has a dark cover visible around the edges.

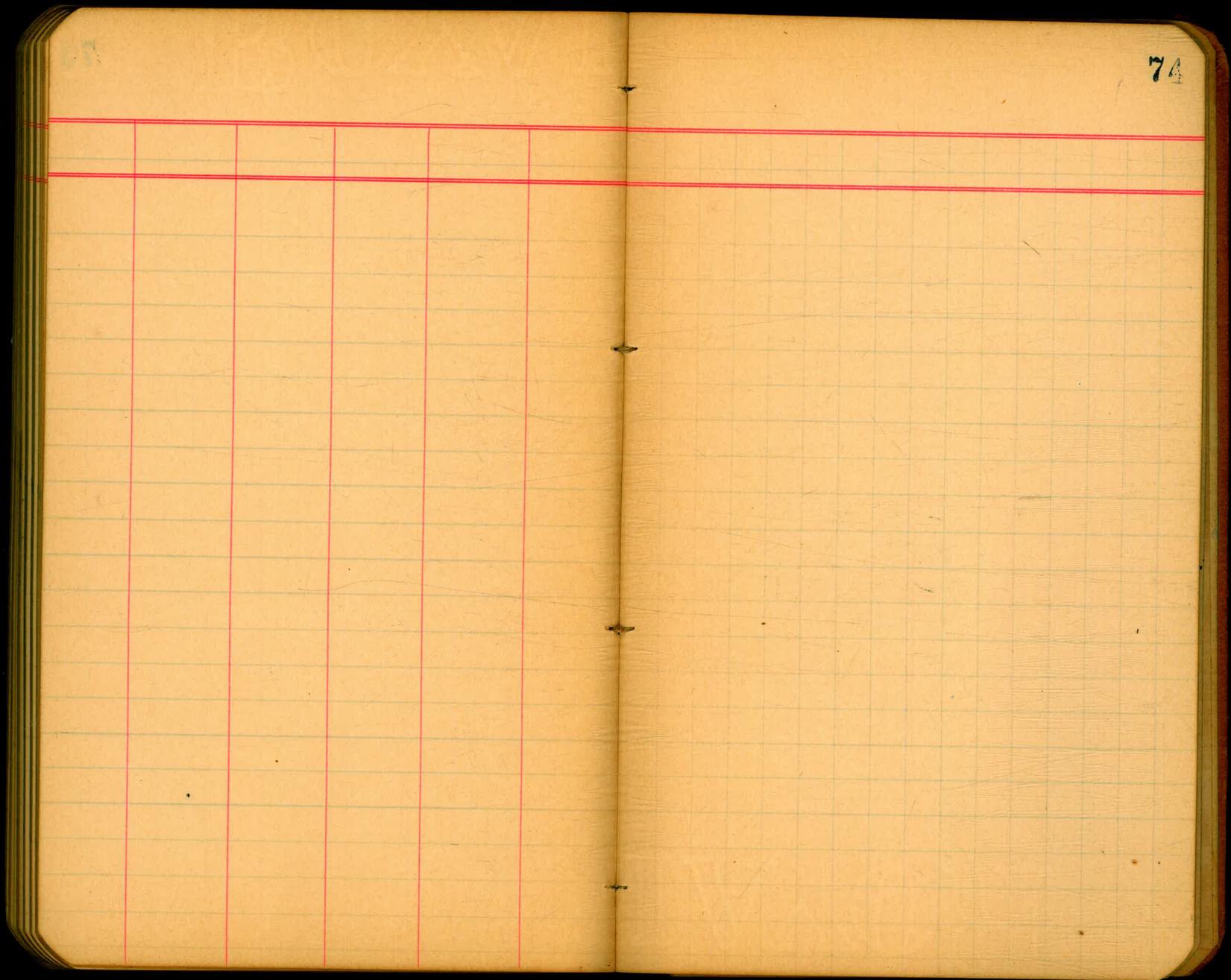
The image shows an open notebook with two pages. The left page, numbered 66, features a grid of light blue horizontal lines and red vertical lines that create several columns of varying widths. The right page, numbered 67, has a standard grid of light blue horizontal and vertical lines. The notebook is bound in the center, and the pages are a light cream color.

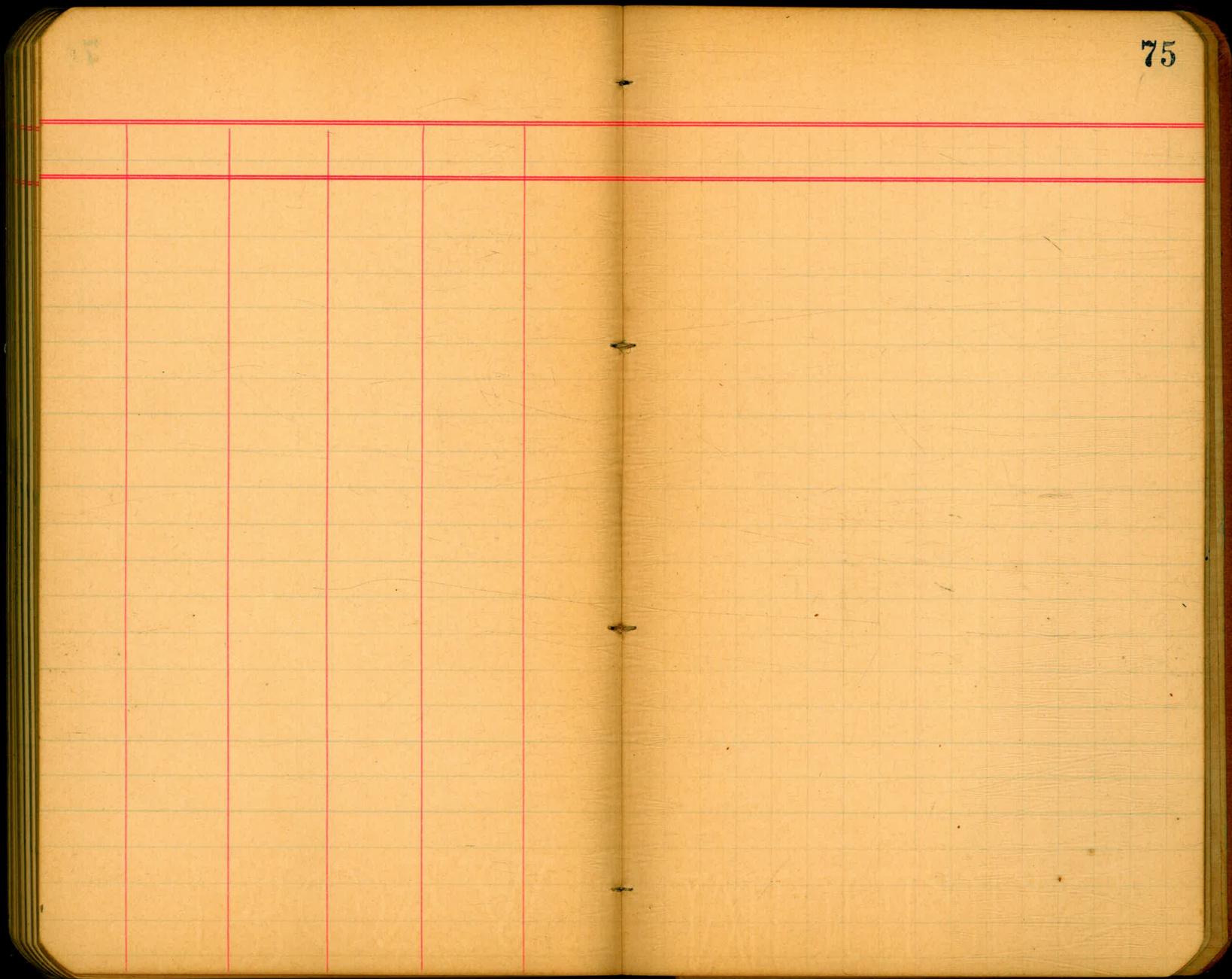
The image shows an open notebook with two pages. The left page, numbered 71, features a grid of light blue horizontal lines and red vertical lines that create six columns. The right page, numbered 72, has a standard grid of light blue horizontal and vertical lines. The notebook is bound in the center, and the pages are a light tan color.

77

78

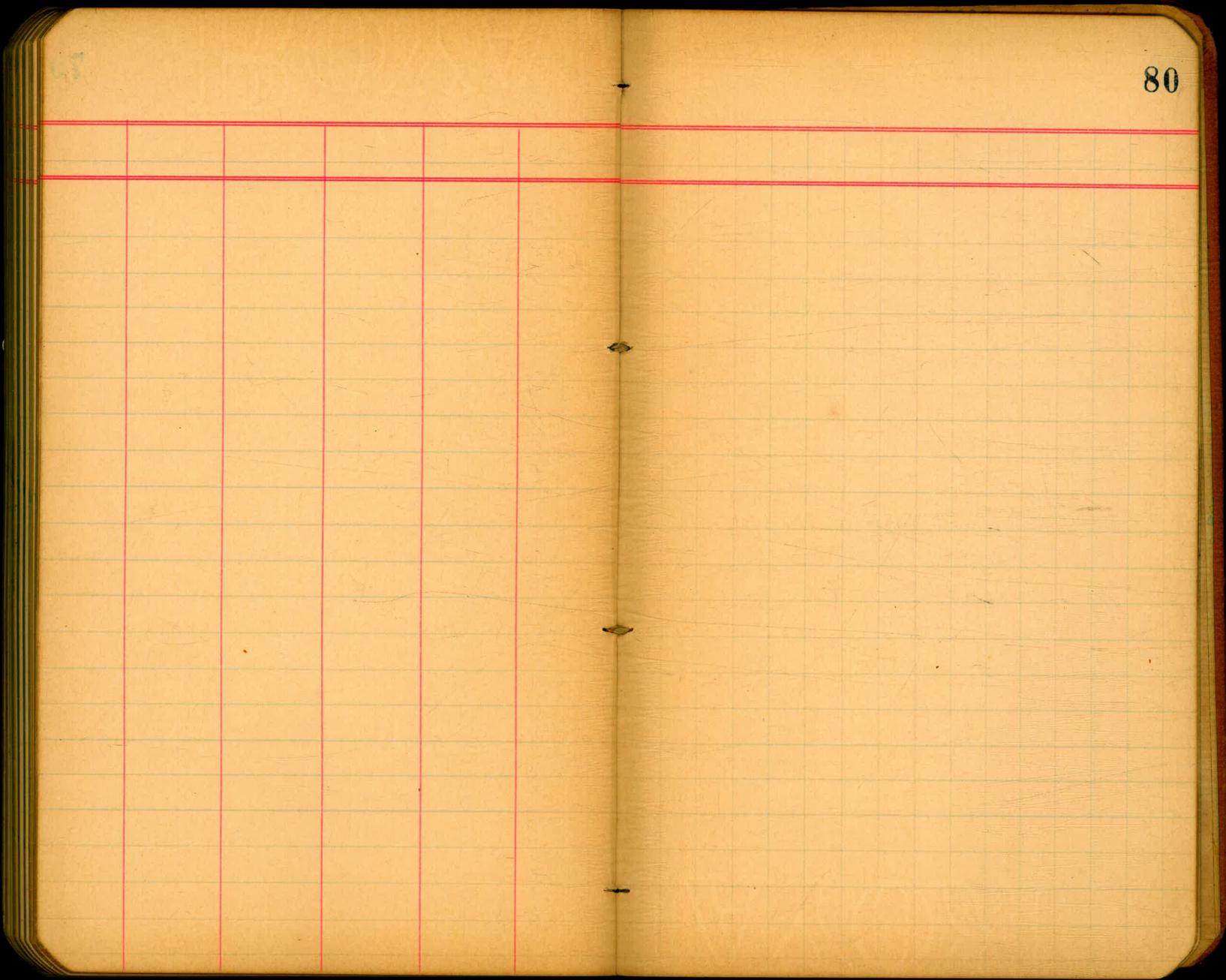






The image shows an open notebook with two pages. The left page is a ledger page with a grid of red lines. It has two horizontal lines near the top, creating a header section. Below these, there are 10 vertical red lines that divide the page into 11 columns of varying widths. The right page is a standard grid page with a uniform grid of light blue lines. The notebook is bound in the center, and the pages are a light tan or cream color. The number '77' is printed in the top right corner of the right page.

The image shows an open notebook with two pages. The left page is a ledger page with a grid of red lines. It has two horizontal lines near the top, creating a header section. Below these, there are several vertical lines that divide the page into columns. The right page is a grid page with a uniform grid of light blue lines. The notebook is bound in the center with three visible stitches. The paper is aged and yellowish.



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City Hall, San Diego, Cal.

145.88
60.03
175.91

174

Return to City Engineers Office

City Hall, San Diego, Cal.
TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.87	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.28	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.20	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		

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