

3

City Park
Survey.

TRANSIT.

2

F.B. 623

623

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	2½	21	49	41	95½
2	4½	22	51½	42	98
3	7	23	53½	43	100½
4	9½	24	56	44	102½
5	11½	25	58½	45	105
6	14	26	60½	46	107½
7	16½	27	63	47	109½
8	18½	28	65½	48	112
9	21	29	67½	49	114½
10	23½	30	70	50	116½
11	25½	31	72½	51	119
12	28	32	74½	52	121½
13	30½	33	77	53	123½
14	32½	34	79½	54	126
15	35	35	81½	55	128½
16	37½	36	84	56	130½
17	39½	37	86½	57	133
18	42	38	88½	58	135½
19	44½	39	91	59	137½
20	46½	40	92½	60	140

MICROFILMED

DEC 14 1964

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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	Angle.	Cor. in links.	Angle.	Cor. in links.	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

Smiley
City Park

Diagram of a chain with 10 links, each represented by a circle. The chain is curved upwards.

Handwritten calculations:

56443-
40433
11.12

47 19
34 59 63 00
12+20 57 21
11 39

83.24
72.37
10.47

25.45
15.17
10.27

28 58
14 42
14 16

25.39
12.98
13.01

26.46
14.10
12.36

25.43
12.31
13.12

21+38
9+24
12.14

14.16
10.27
11.12
11.39
10.27
13.01
13.12

12.14 10.13
3.24
12.49
12.20
12.30
12.14

83.54
12.00
12.00

12+19 4)119
29

Swit.

Line N. being the perimeter of the City Park.

re-run Dec: 5th + 6th 87 1

Sta	Angle	Direction	Course	Lat	Dep	
17	Tan 892					
16						
15						
14						
13		+08	00° 15'	R	N90.00 E	- E 892
12						
11						
10						
9	Tan 1058.3					
8						
7						
6						
5						
4						
3						
2	+49?	00° 15'	L	N89.45 E	3.024609 3.024609 7.639816 9.999996 0.664425 3.024605	
1				4.618 N	1058.3 E	
0						

Δ = 13+08.4 old Sta.

Δ = 2+50 old Sta.

E 249.7

Starting from P.E. Cor. P.L. 1123 +
turning 90° R from a sight on N.E.
corner same P.L. & calling it E.

				Lat	Dep		
8							
7							
6							
5							
4							
3							
2						= 31+99 old Sta.	
1							
30							
9							
8							
7							
6	+06.4	1° 53'	R	589.59 E	E 2042.1	△ = 26+06.7 old Sta.	
5							
4							
3							
2		1° 52'	L	N 88.08 E	$\begin{array}{r} 2608954 \\ 8.512667 \\ \hline 1.121821 \\ 13.24 \\ N \end{array}$	$\begin{array}{r} 2608954 \\ 9.999769 \\ \hline 2608923 \\ 4062 \\ E \end{array}$	△ = 22 old Sta.
1							
20							
19							
18							

Tan 2042.1

406.4

				Lat	Dep	
9						
8						
7						
6	+15					△ = 56+20 old Sta.
5						
4						
3	+15.2	1.0 11'	R	S89.59E	E2280.	△ = 53+20 old Sta.
2						
1						
50						
9						
8						
7						
6	+48.5	1.0 11'	L	N88.50E		△ = 46+51.5 old Sta.
5						
4						
3						
2						
1						
40	+73					△ = 40+75 old Sta.
39						

666.7

2.523930	2.523930
8.308794	9.920910
1.132724	2.823940
13.57	666.6
N	E

				Lat	Dep			
80	+90.4	88° 56'	R	S 0. 07 W	$\begin{array}{r} 2.821251 \\ 9.999999 \\ 2.821250 \end{array}$	$\begin{array}{r} 2.821251 \\ 7.308824 \\ 0.130075 \end{array}$	N.E. Cor. Park	Δ = 79 + 96 old sta.
9					662.6	1349		
8		395.2			S	W		
7								
6					$\begin{array}{r} 2.596817 \\ 8.863014 \\ 1.457983 \end{array}$	$\begin{array}{r} 2.596817 \\ 9.995841 \\ 2.191659 \end{array}$		
5	+95.2	4° 10'	R	S 88. 49 E	2883	394.1		Δ = 76 old sta.
4					S	E		
3								
2								
1								
70								
9								
8								
7								
6								
5								
4								
3								
2								
1								
60								
		Tan 2.280						

				Lat	Dep		
1							
100							
9							
8							
7							
6	+92.4					△ = 97 old Sta.	
5							
4							
3	+100.6					△ = 93+04.1 old Sta.	
2							
1							
90							
9							
8							
7							
6	+58	0°.06'	R	500.13W	$\begin{array}{r} 3.595121 \\ 7.999997 \\ 3.595118 \\ 3936.6 \\ S \end{array}$	$\begin{array}{r} 3.595121 \\ 7.57668 \\ 1.172789 \\ 14.89 \\ W \end{array}$	△ = 86+59.2 old Sta.
5							
4							
3							
2							
1							
81							

662.6

		Lat.	Dep.	
2 +62				$\Delta = 124 + 72^{\circ}$ old Sta
1				
130				
19				
18				
17				
16				
15				
14				
13				
12				$\Delta = 112$ old Sta.
11 +90				
110				
9 +26				$\Delta = 109 + 35^{\circ} 4'$ old Sta (110)
8				
7				
6 +26'				$\Delta = 106 + 35'$ old Sta.
5				
4				
3				
102				

Tan 3906.6

				Int	Def	
3						
2						
1						
140						
9						
8						
7						
6						
5						
4						
3	+87.7	2° 03'	L	S 00.36 W	3.144574 3.144574 9.999976 8.020021 3.144550 1.164595	Δ = 136+00.8 old sta.
2					1395. 14.61	
1					S W	
130						
9						
8						
7						
6						
5	+89.5	2° 26'	R	S 2.39 W	2.902057 2.902057 9.999956 2.666988 2.901592 1.567025	Δ = 128 old sta.
4					797.2 36.90	
					S W	
123						

Ten 1395.

798.1

212 + 11
213 + 38
1127

41
31
21
1
160

				Lat.	Dep.
9	+89°	83° 42'	R	N 89.47 W	3.816009 3.816009 7.577668 9.999997 1.393677 3.816006
8					2476 6546.5 N W

S.E. Cor. Park Δ = 160 + 08 old sta.

5
4
3
2
1
1107

150

9					
8	+82°	3° 55'	R	S 4.31 W	3.042148 3.042148 9.998649 8.89246 3.042777 1.940394
7					1103.6 87.18 S W

Δ = 149 old sta.

144

01

$$\begin{array}{r} 190+20.8 \\ 189+65.2 \\ \hline 1+24.2 \end{array}$$

$$\begin{array}{r} 207+00 \\ 203+74 \\ \hline 1+26 \end{array}$$

Lat Def

6
 5 +74.8
 4
 3
 2
 1
 200
 9
 8
 7
 6
 5
 4
 3
 2
 1
 190 +0.57
 9
 8
 7
 186

Tangent 6546.5

Δ = 207 old Sta.

Δ = 190+92 old Sta.

22

				Int.	Def.
7					
6					
5					
4	+36.2	90°.01'	R	NO. 14 E	
3				1820.	5386
2	✓			N	E
1	+22.6				
220	+23.1				
19					
18					
17					
16					
15					
14					
13	+72				
12					
11					
210					
9					
8					
207					

Int. Def

3.120574 3.120574
 7.999496 7.609553
 3.120570 0.730427
 1820. 5386
 N E

212+11
 1+28
 10+43

213+39
 1+28
 212+10

215+
 213+72
 1+28

11

△ = 225+64°

△ = 221+50 old SE.

△ = 215 old SE.

				Lat	Dep	
8						
7						
6						
5						
4						
3						
2						
1						
240						
9						
8						
7	+56° 90' 01" L	N 89.47 W	3.102321	3.102331		
6			7.577668	9.999997		
5			0.679999	3.102328		
4			4.786	1265.7		
3			N	W		
2						
1						
230						
9						
228						

Tan 1265.7

Tan 1320

△ -238+84.3 old Sta

Lat Dep

9
8
7
6
5
4
3
2
1
260
9
8
7
6
5
4
3
2
1

250+21.7 89° 26' R

No. 21W

3.816519 3.816519
9.999992 7.785943
3.816511 1.602462
6554.1 4004
N W

△ = 251+50 del 50.

249

I. at. II. op

290

9

8

7

6

5

4

3

2

1

280

9

8

7

6

5

4

3

2

1

270

Tan 6554.2

In7 Dep

11

310

9

8

7

6

5

4

3

2

1

300

9

8

7

6

5

4

3

2

291

Lat Dep

Pit. N	Pit. S	Pit. E	Pit. W
7935.05	7923.83	7994.38	7977.12
23.83		77.12	
11.22		17.26	
		18.	
		4.26	

16

15 + 76' 90° 26' R S89.55E

14

13

12

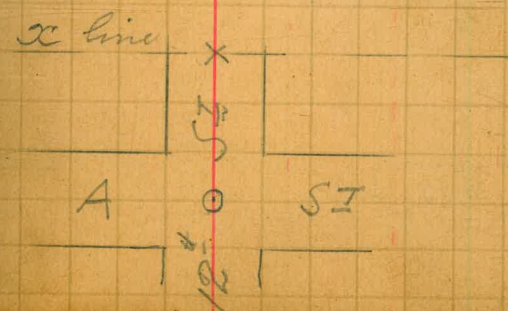
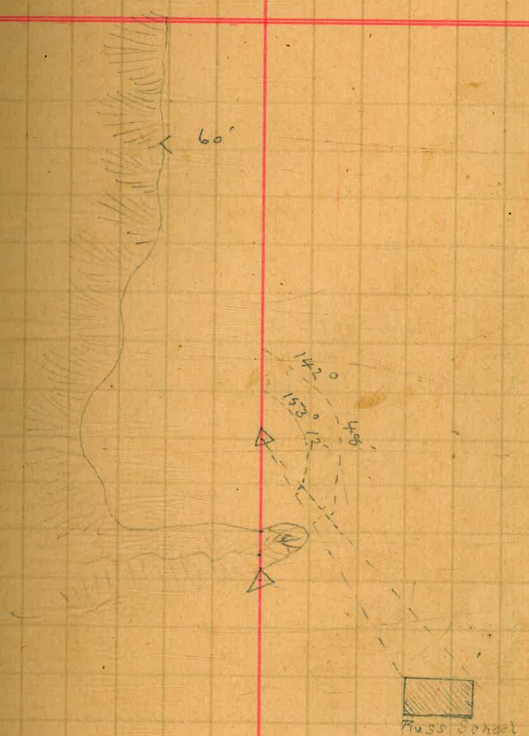
90.26°
 N line of Park
 - 317 + 041 old sta.

(Note. Westing of 13 ft. on closing by
 measurement.)

B Line being a meander
line for Boulevard thru Park.

17

16	
15	
14	
13	
12	
11	
10	
9	43° 26' Right
8	
7	
6	26° 26' Left
5	
4	
3	
2	
+81.6	30° 07' Right
1	
0	



34

33

32

31

30

29

+80 42° 45' Right

28

27

26

25

24 2° 50' Left

23

22

21

20

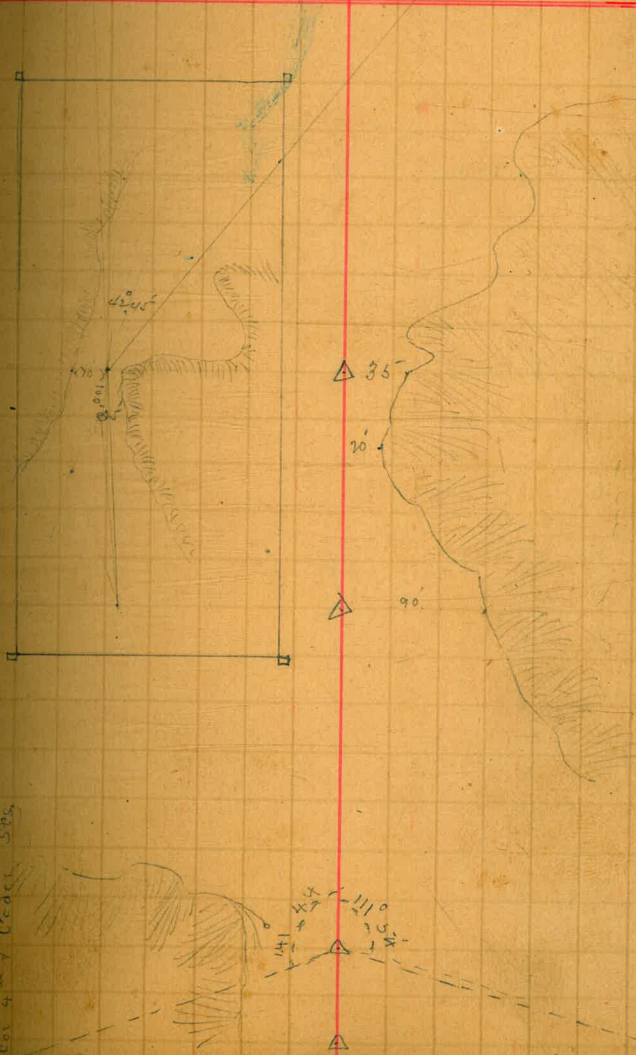
19

18

17+50 33.5' Left

17

16+50



53

52

+52

26° 36' Right

51

50

49

48

23° 00' Left

47

46

45

44

52° 44' Left

43

42

41

40

39

38

37

36

+32

35



- Opposite - Handing
 B 35-32 = 21+52? not boundary Opposite to some tract
 tract.

72 9° 44' Left

71

70

69

68

67

66

65

64

63 + 22° 45' Right

62

61

+ 30 + 18° 45' Right

60

59

58

57 26° 20' Left

+ 42'

56

55

54 15° 00' Left



$\Delta 30^\circ$ better than $\Delta 19^\circ$ for $\text{tan-}R^\circ$
 $B 56 + 42' = 44 + 19^\circ$ Within boundary of Orpheus Home

91+54°

91

90

89

88

87

86

85

84

83

82+08 13° to Right

81

80

79

78

77

76 -1° 40' Left

75

74

73

100

200

x line

260 27

△

12° 50'

△

B' line location
Boulevard through park

Sta	Def	Read	Tan
-----	-----	------	-----

10+00.6	5° 03' 30"	21° 43'	
9+50	5° 00'	16° 39' 30"	
91	5° 00'	11° 39' 30"	
8+50	5° 00'	6° 39' 30"	
8	1° 39' 30"	1° 39' 30"	
7+83.4	Δ B.C.	20° Curve Right	
7			20° Curve Right
+44.9	Δ	13° 13'	EC
6+32.76	3° 13'	10° 00'	
+82.72	5° 00'	5° 00'	
+32.76	5° 00'	B.C. 20° Curve Left	Tan = 67.24
5			
4			
3			
2			
+81.5		30° 00'	Right
1			
0			
0			

Dec 3/4 1888

EC.

EC.

PI = old Sta 9' B' line

T 114.1 Length 217.2

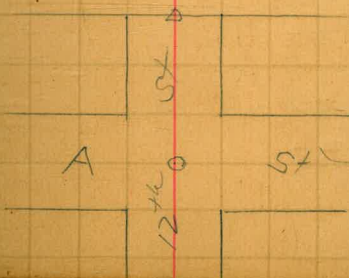
B.C. 20° Curve Right

Int angle = 26° 26' PI set

PI - Sta 6 on old B' line

length 132.17

Int angle 26° 26' PI set



B" Zone Dec 4 18

52.5
80
136.5

24

Location of Boulevard thro'

City parks

Sta Def Per Tan

11			
12			
13			
14			
15			
+62.04 _A			
16	1°54'	1°54'	
+50	2°30'	4°24'	
17	2°30'	6°54'	
+50	2°30'	9°24'	
18	2°30'	11°54'	
+50	2°30'	14°24'	
19+002 _A	2°32'	16°56'	33°52'
20			
21			
22			
23			
+76 _A	2°50'	Left	
24			
25			
26			

B.C 10° Left PI set Tan=174.46
total angle 33°52'
length 338.66'

E.C.

"B" zone

Park Boulevard

Sta	Det	Ver			
27					
	+43.98				
28	5°37'	537'			
	+50	5°00'	10°37'		
29	5°00'	15°37'			
	+57.60	5°45'	21°22'	42°44'	
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					

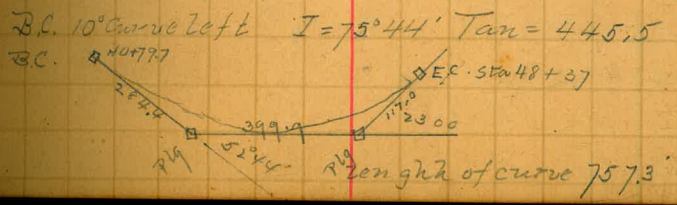
Intersect Vix zone Orphan's

+479.7

B.C. 20° Right
 Int L = 42°45'
 Tan = 112.1 Length 213.7

EC

home tract



"B" line

26

Park Boulevard

Sta	Def	Ver	Tan
-----	-----	-----	-----

40+79.7	Δ 0	0	0
41	1° 1'	1° 01'	
+50	2° 30'	3° 31'	
42	2° 30'	6° 01'	
+50	2° 30'	8° 31'	
43	2° 30'	11° 01'	
+50	2° 30'	13° 31'	
44	"	16° 01'	
+50	Δ "	18° 31'	37° 02'
45	Δ "	39° 32'	
+50	"	42° 02'	
46	"	44° 32'	
+50	"	47° 02'	
47	"	49° 32'	
+50	"	52° 02'	
48	"	54° 32'	
+37	Δ 151	56° 23'	75° 44'
49+50.7	Δ 0	0	0
+50	1° 58'	1° 58'	
50	2° 00'	3° 58'	
+50	2° 00'	5° 58'	

B.C.

E.C.

BC 8° Curve Right $I = 26° 36'$
T 169.3 Length of Curve 332.5

Park Boulevard "B" line

Sta	Def	Ver	Tan	
51	2°00'	7°58'		
+10	2°00'	9°58'		
52	2°00'	11°58'		
+38.4	1°20'	13°18'	26°36'	
+38.6	0	0	0	Change
+19.6	2°30'	2°30'		
53+31.6	2°30'	5°00'		
+19.6	2°30'	7°30'	15°00'	
54+45.7	0	0	0	Change
55	2°10'	2°10'		
+50	2°00'	4°10'		
+54	North line of Orphans Home tract			
56	2°00'	6°10'		
+30	2°00'	8°10'		
57	2°00'	10°10'		
+50	2°00'	12°10'		
+74.9	1°00'	13°10'	26°20'	
58+19.1	0	0	0	
+50	1°14'	1°14'		
59	2°	3°14'		
+58	2°	5°14'		

E.C.

BC 10° Curve Left $I=15^\circ$
 $T=75.4$ Length=150'

E.C.

BC 8° Curve Left Total $\angle 26^\circ 20'$
 $T 167.55$ Length 329.2

E.C.

BC 8° Curve Right Total Angle $18^\circ 45'$
 $T=118.25$ Length 234.4

Park Boulevard "B" line

Sta Def Vw Tan

60 2° 7°14

+53.5 Δ 2° 8 1/2 9° 22 1/2 11° 45'

EC

+61.2 Δ 0 0 0

BC

61 1°33 1°33

+50 2° 3°33

62 2° 5°33

+50 2° 7°33

63 2° 9°33

+45.6 Δ 1° 49 1/2 11° 22 1/2 22° 45'

64

65

66

67

68

+58.1 Δ 0 0 0

BC

69 0° 25' 0° 25'

70 1° 1° 25'

71 1° 2° 25'

72 1° 3° 25'

73 1° 30' 4° 25'

+44.8 Δ 27 4° 52 9° 44

E.C.

2° R. total L 22° 45' Tan 1414'
 length 2844'

2° left Tan 243.9 Total L 9044'
 length 486.7

3 end of small beam here W of car

Park Boulevard B¹me

Sta	Def	Ver	Tan
674			
675			
676	+00.90	1°40'	Left
677			
678			
679	+02.50	0	0
680	0°10½	0°10½	
681	1°	1°10½	
682	1°	2°10½	
683	1°	3°10½	
684	1°	4°10½	
685	1°	5°10½	
686	1°	6°10½	
687	+32.50	0°19½	6°30' 13°00'
688			
689			
690			

B.C.

2°R. Tan=326.4 Total L 13°00'
Length 650'

E.C.

Park Boulevard "B" line

Sta

90

+53.8

int. X line ^{start} seepage

Jan 26 1983 31

Park Boulevard

C line

Sta. Def. Index Table N.C.

4
 $\Delta +50$ $4^{\circ} 23'$ Lost. $N5^{\circ} 50' W$
 7
 6
 $\Delta +50$ $2^{\circ} 16'$ $17^{\circ} 04'$ $34^{\circ} 8'$ (N1: 05W) E.C.
 5 $2^{\circ} 30'$ $19^{\circ} 46'$ Total L $34^{\circ} 08'$
 $+50$ $2^{\circ} 30'$ $12^{\circ} 14'$ Tangents 175.9
 4 $2^{\circ} 30'$ $9^{\circ} 46'$ Length of Curve 341.3
 $+50$ $2^{\circ} 30'$ $7^{\circ} 18'$
 3 $2^{\circ} 30'$ $4^{\circ} 46'$
 $+50$ $2^{\circ} 30'$ $20^{\circ} 18'$
 $\Delta +04$ $2^{\circ} 18'$ B.C. $10^{\circ} L$
 2
 1
 $\Delta 0$ $N33^{\circ} 01' E$



12+32.4 70' Star

Jan 26 1882

32

Park Boulevard Traverse

Line C line

Sta

M.C. Course

24

27

26

25

24

23

22

21

20

19

18

17

16

+73.6 48° 15' Right

N72° 44' E N56° 14' E

15

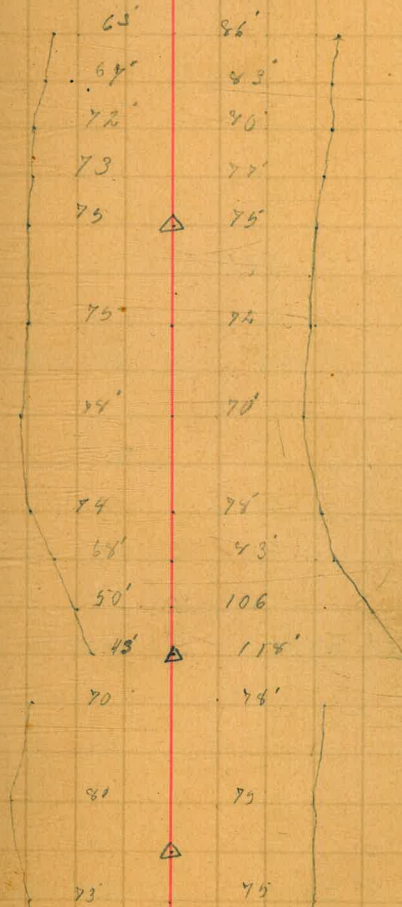
14

13

12

11

10

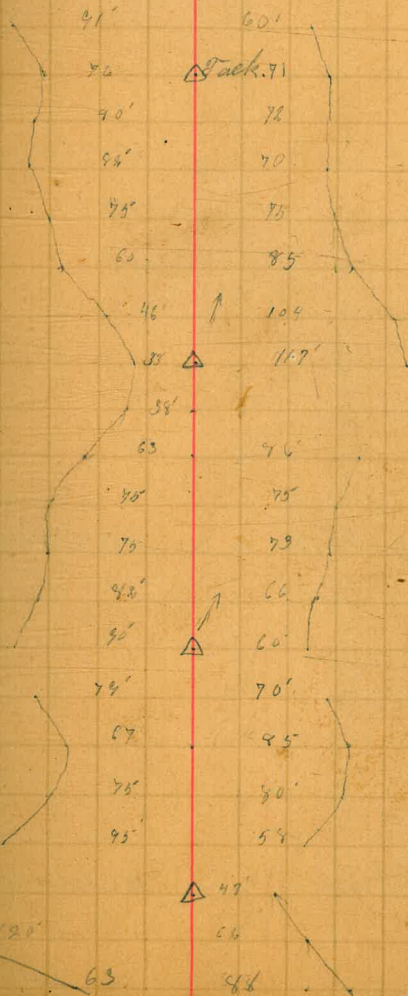


Park Boulevard Traverse line

Sta	M. to course
-----	--------------

46		
45		
44		
43		
42		
41		
40		
+19.4	33° 56' Right.	N 3° 09' W N 10° 26' E
39		
38		
37		
36		
35		
+64.2	23° 30' Left.	N 37° W N 23° 30' W
34		
33		
32		
31		
+31	56° 14' Left.	N 13° 30' W N
30		
29		

Jan 26 1883

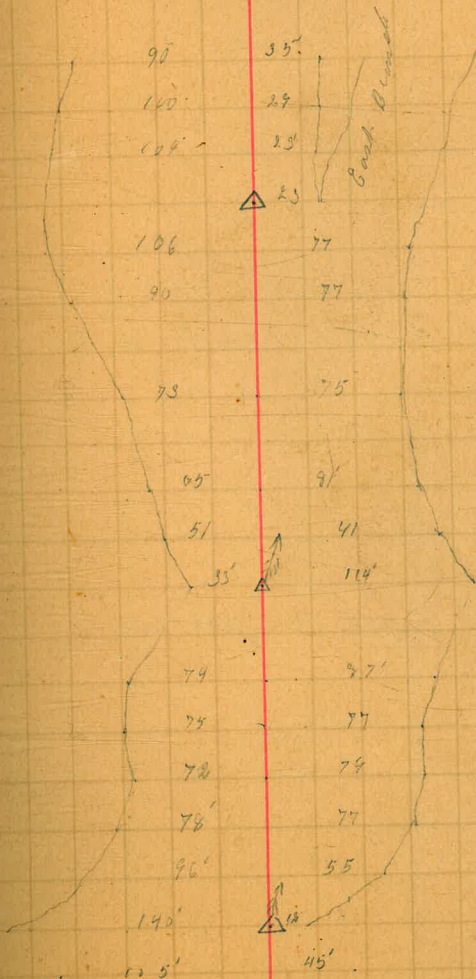


Jan 27 1889 34

Park Boulevard Traverse

Sta. M.C. Course

64		
63		
62		
755	12° 30' Left.	N 25° 10' W N 11° 47'
61		
60		
59		
58		
57		
56		
55		
705	77° 16' Right	N 12° 45' W N 0° 23' E
54		
53		
52		
51		
50		
49		
48	56° 55' Left.	N 39° 59' W N 46° 29' W
47		



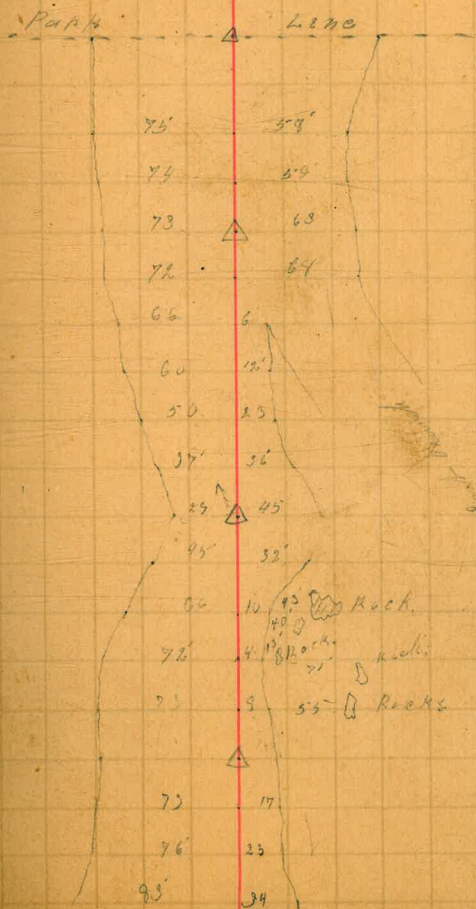
Park Boulevard Traverse

Sta. Angle M.C. ^{of} ^{the} ^{line} ^{to} ^{be} ^{run}

78.3		
78.0		
77		
74		
77	1° 55' Right	N 4° 05' E
76		
75		
74		
73		
72		
43.0	27° 25' Right	N 2° 12' E
71		
70		
69		
68		
45.0		
67		
66		
65		

Jan 30 1882

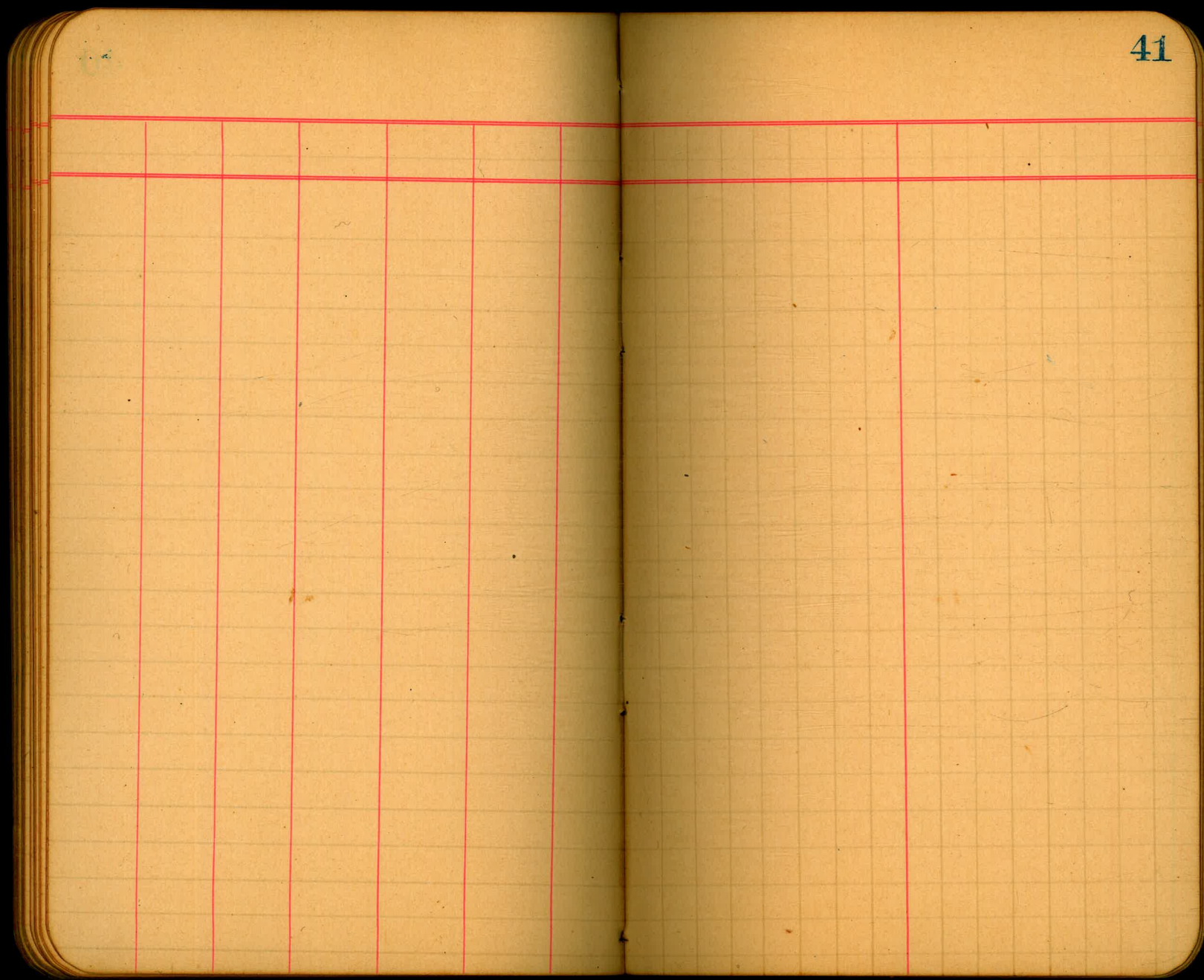
Line

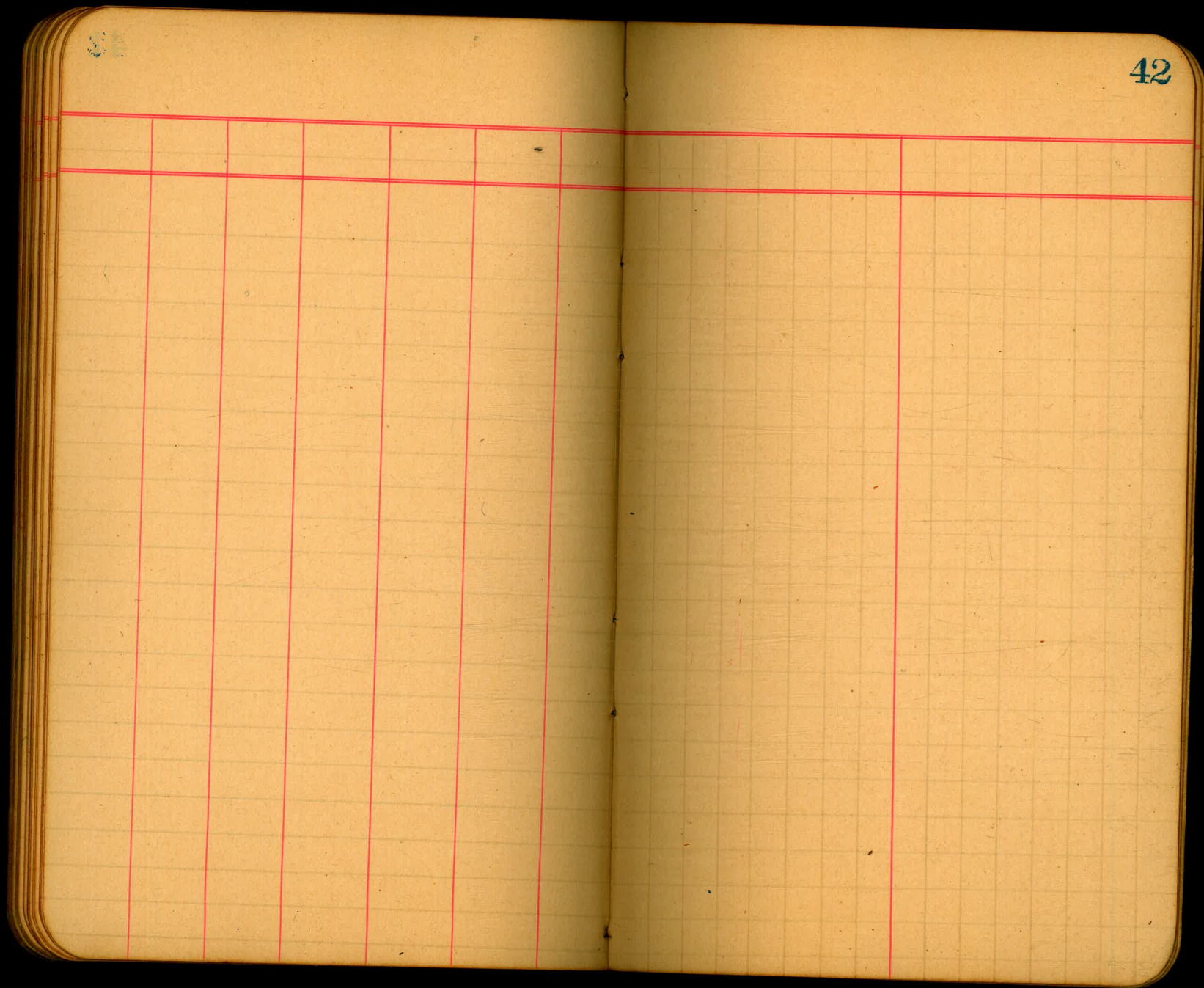


The image shows an open notebook with two blank, lined pages. The pages are cream-colored with light blue horizontal ruling. The left page has a vertical red margin line on the left side. The right page has a vertical red margin line on the right side. The notebook is placed on a white surface against a black background.

The image shows an open notebook with two blank pages. The pages are cream-colored and feature light blue horizontal ruling. The left page has a vertical red margin line on the left side, and the right page has a vertical red margin line on the right side. The number '29' is printed in the top right corner of the right page. The notebook is placed on a white surface against a black background.

The image shows an open notebook with two blank pages. The pages are cream-colored and feature light blue horizontal ruling. The left page has a vertical red margin line on the left side, and the right page has a vertical red margin line on the right side. The number '40' is printed in the top right corner of the right page. The notebook is placed on a white surface against a black background.

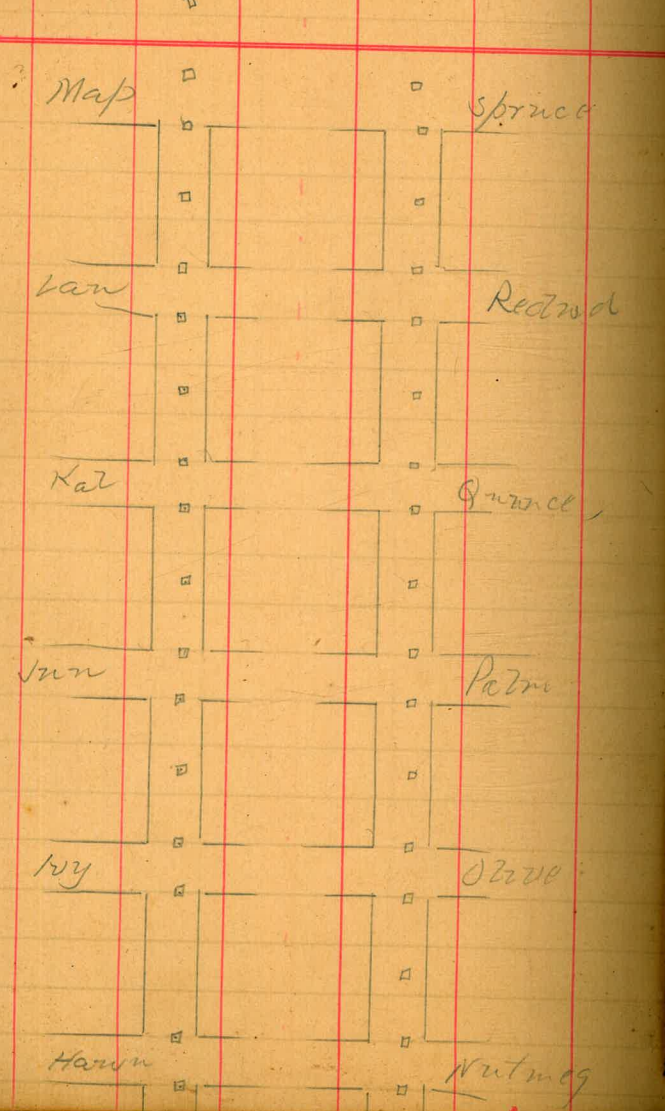




42

The image shows an open notebook with two pages. The pages are a light tan or yellowish color. The left page is ruled with a grid of light blue lines. A prominent red vertical line is drawn on the left side, creating a margin. The right page is also ruled with a grid of light blue lines. A prominent red vertical line is drawn on the right side, creating a margin. The number '43' is written in blue ink in the top right corner of the right page. The notebook is placed on a white surface, and the background is black.

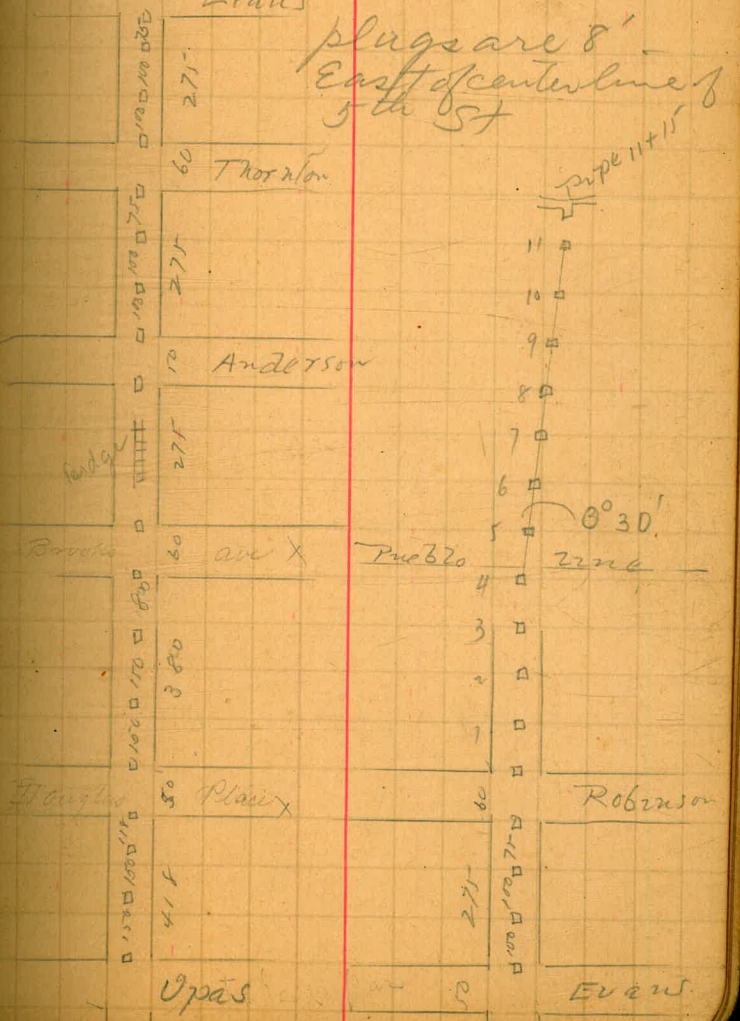
Svy for pipe line 5th St

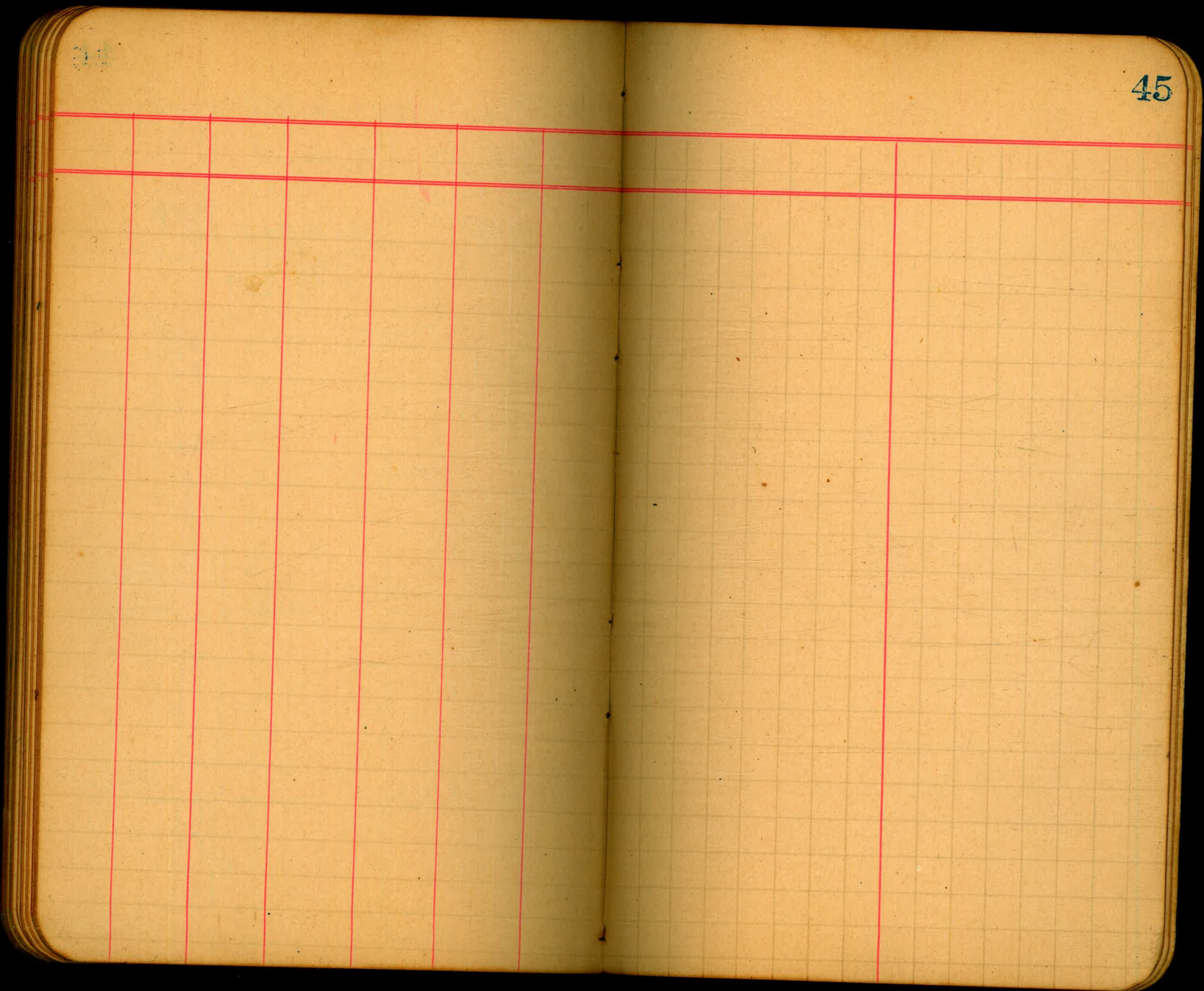


Dec 11/12 1888

whether
w...
williams
ball
Evans

plugs are 8'
East of centerline of
5th St





275
-1050

Sta	Def.	Ver.	Tan.
0	0	0	0
+50	1	1	
1	1	2	
+50	1	3	
2	1	4	8-
+50	1	9	
3	1	10	
+50	1	11	
4	1	12	
+50	1	13	18°
+80	0.36	18.36	19.12

78825
650
85325

59
13
54
50

418 feet
60
400
600
275 bridge of
50. 100' draft anderson p
275
60 thomson
275
50 Evans p

20

608
326.4
381.6
7500.9
7882.5

47

P.C. 4° L.

18°

P.T.

8	1° 39' 30"
8+50	5-
	6 39. 30
	5-
9	11 39 30
	5-
9+50	16. 39 30
	5-
10	21. 39 30

608
326.4
381.6
7500.9

275
60 Robinson Av
stat 30' R
11 45 End of pipe

6061.2
244.0
6345.6

189
18.45
161.15
90
71.11
7859
2+17.2
10.03.1

6345.6
387.1
6733.1
1032

N. 90.00 E	543	1.	24	
161.15	2172	10.		
71.15 W				
22.10				
S 69.15 W		11.	24	
14.40				
S 54.35 W		10		
17.40				
S 72.15 W		21.	24	
5.11				144.1
S 66.20 W		1	24	243.4
11.30				387.5
S 54.50 W		5-		
125.19		6	24	
V 180.09		5-		
180.00		11.	24	
N 00.09		5		
0.05 E		16.	24	900
0.11 E		5		387.5
0.26 E		21.	24	542.5
0.776				
1552				6061.2
330				522.5
11404				5137
37002				
02				6345.6
				5125
				6858.1
41.6				
1.824				
49.44				
139				
10				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

56 14

467.87
243.9
486.7

42 45 15.0

100
64.2
35.8
110.0
17.2
103.2
60
43.2

13' 50'
42' 44'
56' 14'
21° 43' 2" W
N 59' 35" W
61.67

44.8
41.9
896
5378
5028

21973
486.6

100
69.2
840
11.10
130440
16.10
1840
2100
23040
36.5
10.14
134

15462.04
338.67
1900.71

6858.1
486.7
7344.8
6858.1
486.7
7344.8

1950

74834
25112
101006

21.08
420
7526
210
23°16'

1000.6
13.31
13.91
230
334
1336

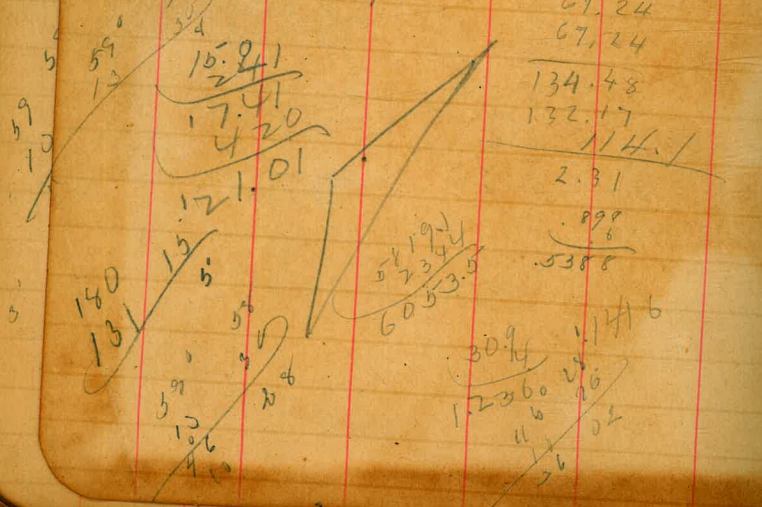
53.5
4
228.2
217.2
2.84 80
11.0
2.31
7.2
13.31

1.5
30'
30.7

6.50
9.20
11583+50
73015+65
10.50

1656
1052
3352
30.7
5
37.96
1.8980

230
150
420
5010



27.56
112.1
2643.9 17°30'

17.46
174.46

434.3
207
3536 150

46.43
484.3
6°10'

60
66
600
3°40'
230'

217.2
6.
10

26°26'

60100
144+100
1+17.3
610
117446
475.74

60) 13032
220
103
60
432
1420
18526

21.42
36
18
9
100
50
25
26
26.433
32.17 510

110
110
420

4826
21.43
300
181.3
118.7

15
15
27
185

149+50.0
147+82.7
1+17.3
79
35.12
2712

6/42.75
213.75
326.439
28576
4326'
43433
217.2

114.1
67.2
181.3

150
230
420'

203
2
1.011
7210'
.09

21°43'
420
1°50' 1923
4°20'
8°40'

1528
 1321
 14079
 610
 43 26
 187+26
 376.5
 142
 70.5
 21.43
 2197440101
 286+000
 284+776
 1+22.4
 5.03
 21 39.5
 2203+5 3.6
 21 43.20
 201.00
 1126
 14.1
 10
 19974
 3994
 126 25
 1344.8
 423
 693
 222+10.7
 244+11.1
 900.0
 100.0
 114.1
 83.4
 8579
 212
 16.6
 16.6
 210+74
 79.4
 7+000
 1.39
 15388 4.6
 20+73.5
 1+14
 7+859
 18655.8
 29
 106+26.1
 6 10
 112+36.6
 35
 265+06.9
 3.007
 .035
 21

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	99.98	1.75	100.00	0.44	100.00	0.87	99.99	1.31	88
1	99.94	3.49	99.98	2.18	99.97	2.62	99.95	3.05	87
2	99.86	5.23	99.92	3.83	99.91	4.36	99.88	4.80	86
3	99.76	6.98	99.84	5.57	99.81	6.10	99.79	6.54	85
4	99.62	8.72	99.73	7.41	99.69	7.85	99.66	8.28	84
5	99.45	10.45	99.58	9.15	99.54	9.58	99.50	10.02	83
6	99.25	12.19	99.41	10.89	99.36	11.32	99.31	11.75	82
7	99.03	13.92	99.20	12.62	99.14	13.05	99.09	13.49	81
8	98.77	15.64	98.97	14.35	98.90	14.78	98.84	15.21	80
9	98.48	17.36	98.70	16.07	98.63	16.50	98.56	16.93	79
10	98.16	19.08	98.40	17.79	98.33	18.22	98.25	18.65	78
11	97.81	20.79	98.08	19.51	97.99	19.94	97.90	20.36	77
12	97.44	22.50	97.72	21.22	97.63	21.64	97.53	22.07	76
13	97.03	24.19	97.34	22.92	97.24	23.34	97.13	23.77	75
14	96.59	25.88	96.92	24.62	96.81	25.04	96.70	25.46	74
15	96.13	27.56	96.48	26.30	96.36	26.72	96.25	27.14	73
16	95.63	29.24	96.00	27.98	95.88	28.40	95.76	28.82	72
17	95.11	30.90	95.50	29.65	95.37	30.07	95.24	30.49	71
18	94.55	32.56	94.97	31.32	94.83	31.73	94.69	32.14	70
19	93.97	34.20	94.41	32.97	94.26	33.38	94.12	33.79	69
20	93.36	35.84	93.82	34.61	93.67	35.02	93.51	35.43	68
21	92.72	37.46	93.20	36.24	93.04	36.65	92.88	37.06	67
22	92.05	39.07	92.55	37.86	92.39	38.27	92.22	38.67	66
23	91.35	40.67	91.88	39.47	91.71	39.87	91.53	40.27	65
24	90.63	42.26	91.18	41.07	91.00	41.47	90.81	41.87	64
25	89.88	43.84	90.45	42.66	90.26	43.05	90.07	43.44	63
26	89.10	45.40	89.69	44.23	89.49	44.62	89.30	45.01	62
27	88.29	46.95	88.90	45.79	88.70	46.17	88.50	46.56	61
28	87.46	48.48	88.09	47.33	87.88	47.72	87.67	48.10	60
29	86.60	50.00	87.25	48.86	87.04	49.24	86.82	49.62	59
30	85.72	51.50	86.38	50.38	86.16	50.75	85.94	51.13	58
31	84.80	52.99	85.49	51.88	85.25	52.25	85.04	52.62	57
32	83.87	54.46	84.57	53.36	84.34	53.73	84.10	54.10	56
33	82.90	55.92	83.63	54.83	83.39	55.19	83.15	55.56	55
34	81.92	57.36	82.66	56.28	82.41	56.64	82.16	57.00	54
35	80.90	58.78	81.66	57.71	81.41	58.07	81.16	58.42	53
36	79.86	60.18	80.64	59.13	80.39	59.48	80.13	59.83	52
37	78.80	61.57	79.60	60.53	79.34	60.88	79.07	61.22	51
38	77.71	62.93	78.53	61.91	78.26	62.25	77.99	62.59	50
39	76.60	64.28	77.44	63.27	77.16	63.61	76.88	63.94	49
40	75.47	65.61	76.32	64.61	76.04	64.94	75.76	65.28	48
41	74.31	66.91	75.18	65.93	74.90	66.26	74.61	66.59	47
42	73.14	68.20	74.02	67.24	73.73	67.56	73.43	67.88	46
43	71.93	69.47	72.84	68.52	72.54	68.84	72.24	69.15	45
44	70.71	70.71	71.63	69.78	71.33	70.09	71.02	70.40	44
45									

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