

City Sewer's
LEVEL'S

~~PROVZ~~

9

TRANSIT

F.B. 665

665

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	93½	60	140

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SAN FRANCISCO, 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	Angle.	Cor. in links.	Angle.	Cor. in links.	Angle.	Cor. in links.
°		°		°		°	
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

H.C.L. } July 26, 1887
 F. Miller }

Δ	+	H.I.	-	Elev	B.B.	REMARKS.
B.M.	973	15.21		5.48	5.48	I & Front ST's
0+50			9.37	5.84		
1			8.33	7.88		
1+50			7.29	7.92		
2			6.16	9.05		
2+50			5.72	9.49		
3			4.97	10.24		
3+50			4.53	10.68		
4			4.28	10.93		
4+50			3.10	12.11		II & Front ST's
5			3.19	12.02		
5+50			1.98	13.23		
I.P.	6.55	19.78				
6			5.96	13.82		
6+50			5.18	14.60		
7			4.40	15.38		
7+50			3.80	15.98		
8			2.84	16.94		
B.M.			1.87	17.91	17.87	
8+50			2.52	17.26		
9			1.79	17.99		III & Front ST's

H.C.I. }
 F. Miller. } July 26, 1887

2

Δ	+	HT	—	Elev	B.B.	REMARKS.
I.P.	4.74	22.73				
9+50			4.67	18.06		
10			4.76	17.97		
10+50			5.00	17.73		
11			4.90	17.83		
11+50			4.12	18.61		
12			2.69	20.04		
12+50			2.33	20.40		
B.M.			1.68	21.05	21.02	
I.P.	11.16	33.18				
13			11.28	20.90		
13+50			10.60	21.58		
14			8.87	23.31		
14+50			7.12	25.06		
15			6.20	25.98		
15+50			5.17	27.01		
16			4.78	27.40		
16+50			3.88	28.30		
17			3.23	28.95		
17+50			2.79	29.49		
18			2.49	29.69		

H & Front ST's.

H & Front ST's.

H.C.I. }
 F. Miller. } July 26, 1887

Δ	+	H.I.	—	Ellev B.B.	REMARKS.
18+50		32.18	27.4	29.44	
19			22.5	29.93	
19+50			3.60	28.58	
B.M.			3.96	28.22	28.22
T.F.	5.28	36.50			D & Front STS.
20			6.44	30.06	
20+50			6.14	30.36	
21			5.06	31.44	
21+50			5.05	31.45	
22			4.97	31.58	
22+50			4.92	31.58	
23			4.74	31.76	
B.M.			4.13	32.37	32.39
T.F.	5.55	37.92			C & Front STS.
23+50			6.73	31.19	
24			6.82	31.90	
24+50			5.95	31.97	
25			5.39	32.53	
25+50			4.98	32.94	
26			4.76	33.16	
26+50			4.14	33.78	

H.C.L. } July 27, 1887
 F. Miller.

Δ	+	HL	-	Elev BB.	REMARKS.
27		37.92	4.28	33.64	B & Front Sts.
27+50			1.49	36.43	
I.P.	11.75	48.18			
28			8.08	40.18	
28+50			6.12	42.06	
29			4.95	43.23	
29+50			3.70	44.48	
30			3.48	44.70	
30+50			2.64	45.54	
31			1.13	47.05	
B.M.		48.18			A & Front Sts.
I.P.	637	1.83	0.00	50.01	
		50.01		50.01	
		56.38			
31+50			7.24	49.14	
32			6.74	49.64	
32+50			5.81	50.57	
33			5.73	50.65	
33+50			5.75	50.63	
34			5.48	50.90	
34+50			4.84	51.54	
35			5.35	51.03	
1			4.88	51.50	

H.C.L. }
 F. Miller } July 27, 1887

Δ	+	H.I.	-	Elev	BB.
B.M.		56.38	070	55.68	55.70
I.P.	305	58.75			
1+50			4.36	54.39	
2			5.11	53.64	
2+50			9.88	48.87	
3			9.87	48.88	
3+50			7.33	51.42	
4			4.97	53.78	
4+50			2.48	56.25	
I.P.	887	65.12			
B.M.			4.66	60.46	
5			5.55	59.57	
5+50			4.59	60.53	
6			3.39	61.73	
6+50			3.30	61.82	
7			8.98	56.14	
7+50			8.90	56.22	
8			8.23	56.89	
8+50			7.47	57.65	
I.P.			004	65.08	
I.P.	1097	76.05			

REMARKS.

BEECH & Front Sts.

CEEDAR & Front Sts.

H.C.I. }
 F. Miller } July 27, 1887

6

Δ	+	HI	-	Elev. B.B.	REMARKS.
9		76.05	10.53	65.52	
9+50			5.53	70.47	
10			3.43	72.62	
I.P.	11.91	84.53			
10+50			8.34	76.19	
11			5.63	78.90	
11+50			5.29	79.24	
12			4.35	80.18	
B.M.			5.14	79.49	79+5
I.P.	9.76	89.21			
12+50			7.97	81.24	
13			7.56	81.65	
13+50			7.30	81.91	
14			6.59	82.62	
14+50			4.38	84.83	
15			3.11	86.10	
15+50			1.84	87.37	
B.M.			5.52	88.69	88+9
I.P.	1.66	100.35			
16			10.63	89.72	
16+50			8.78	91.57	

DATE & FRONT ST'S

DATE & FRONT ST'S

H.C.L. }
 F. Miller. } August 4/87

7

Δ	+	HI	-	Elev	B.B.	REMARKS
17		100.35	6.99	93.36		
17+50			5.00	95.35		
18			1.35	99.00		
18+50			0.65	99.70		
T.F.	5.58	105.28				
19			4.14	101.14		
19+50			1.07	104.27		
B.M.			1.10	104.28	104.28	
20			1.90	104.38		
20+25			4.48	100.80		
20+50			8.79	96.49		
T.F.	11.81	108.30				
20+60			12.60	95.70		
20+75			22.00	86.30		
21			21.00	87.30		
21+30			15.40	92.90		
21+50			12.10	96.20		
22			5.06	103.24		
22+50			0.88	107.42		
T.F.	11.95	119.37				
23			1.98	117.39		

TOP & FRONT SPTS.

H.C.I.
F. Miller.

August 4/87

Δ	+	HT	—	Elev. BB	REMARKS.
T.P.	11.95	119.37			
23+20			6.74	122.32	CURATED FRONT STS.
23+50			4.90	124.16	
B.M.			5.63	123.43	
24			3.00	126.06	
24+50			1.75	127.31	
25			1.39	127.67	
25+50			0.56	128.50	
T.P.	11.12	139.62			
26			3.33	136.29	
T.P.			0.05	139.57	
T.P.	11.99	151.56			
26+50			6.84	144.72	
27			2.50	149.06	
T.P.	11.17	160.23			
B.M.			8.44	151.79	
T.P.	11.76	163.55		151.79	
27+25			11.36	15.214	HAWTHORNE & FRONT STS.
27+50			5.15	158.40	
28			1.42	162.13	
T.P.					
28+50	12.07	174.20			

H.C.I. }
 F. Miller } August 5/87

Δ	+	H.I.	-	Elev	B.B.
28+50		17420	8.23	165.97	
29			4.92	169.28	
29+50			1.61	172.59	
I.H.	11.87	184.46			
30			9.62	174.84	
30+50			8.30	176.16	
31			6.17	178.24	
31+50			6.03	178.43	
32			8.72	175.74	
32+50			8.93	175.53	
33			3.83	180.63	
33+50			0.00	184.47	
I.H.	10.23	194.70			
34			7.60	187.10	
34+50			5.84	188.86	
35			7.33	187.37	
B.M.			4.88	189.82	189.82

IVY & FRONT STS.

JUNIPER & FRONT STS.

IBM
Lennard 5th St. No. 100

Sta	+	Pr.	-	Ele
IP	11.48	195.49		194.01
67+05-			10.54	185.35
+30			9.28	186.61
+55			8.06	187.83
+80			6.74	189.15
68+05-			5.30	190.59
+30			4.00	191.89
+55			2.54	193.35
+80			1.32	194.57
69			0.57	195.82
Bm.			0.83	195.06
#	10.76	206.31	0.34	195.55
+20			10.02	196.29
+40			8.95	197.36
+60			8.36	197.95
+85			7.02	199.29
70+10			6.03	200.28
+35			4.73	201.59
+60			3.19	203.12
+85			2.17	204.14

S L Hawthorne St

cap. Rev. 5th & Hawthorne

N L Hawthorne St

LHM
 Leonard 5th St NW K Nov 9/87

Sta	+	H.I.	-	Elev
71+10	11.03	216.31	0.81	205.50
TP	11.03	216.38		205.50
+55			9.96	206.57
+60			8.69	207.84
+85			7.70	208.83
72+10			6.80	210.23
+85			4.91	211.62
+60			3.88	212.70
+80			2.81	213.72
73			2.17	214.36
+20			1.28	215.25
+40			0.72	215.81
Bm	11.90	218.15	10.28	206.85
F65TP	11.34	228.69	0.80	217.35
+90			10.11	218.58
74+15			4.94	219.75
+40			8.03	220.66
+65			7.01	221.68
+90			5.52	223.17
75+15			3.99	224.70

11

12 Eng St

Eng St

12 Eng St

5th + Eng Stone Stet Nov 11/87

Mendenhall

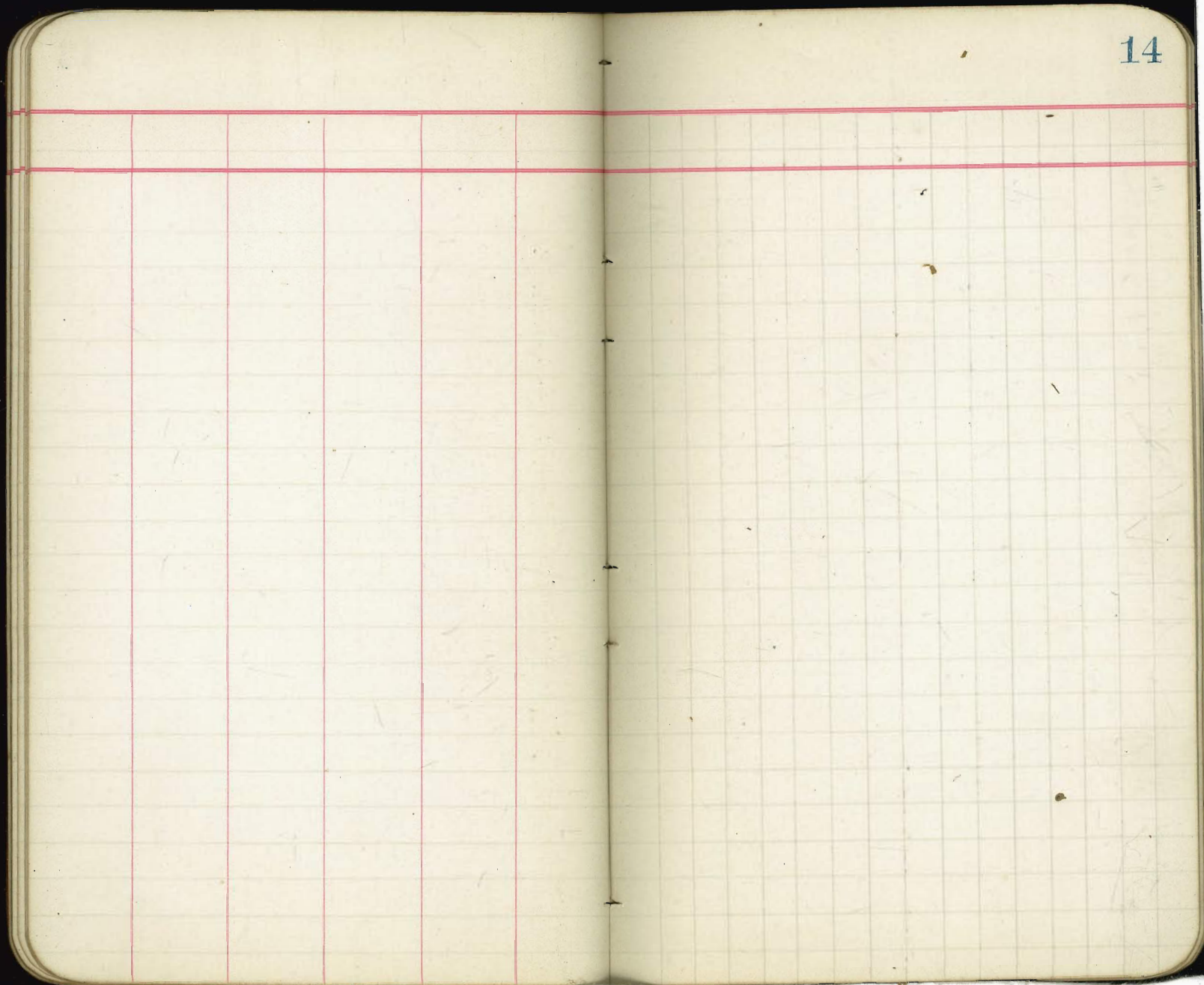
Zuercher 5th S-N of R No 11 187

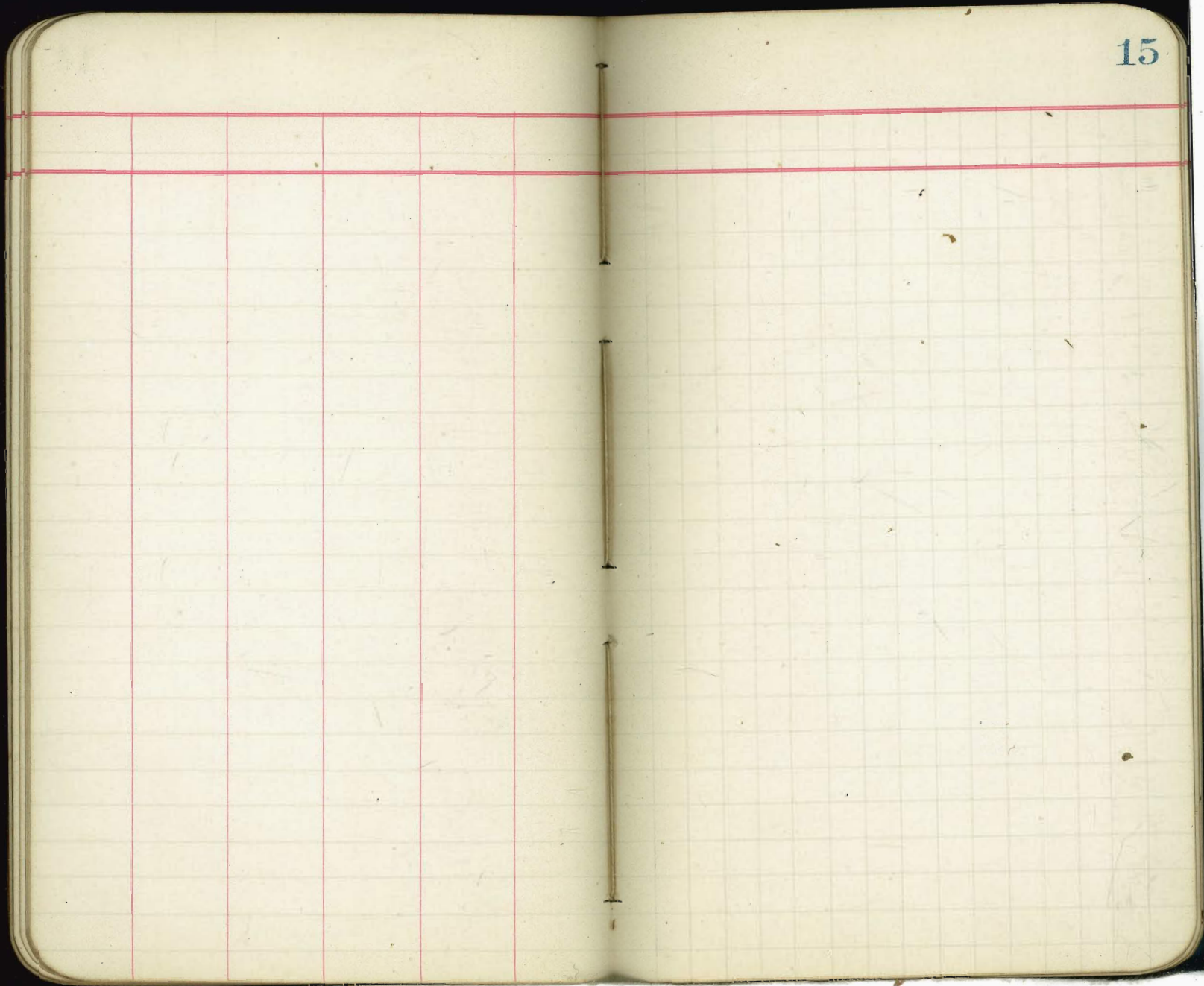
12

Sta	+	H.I.	-	Elev
75+40#		228.69	2.54	226.35
	TP, 9.47	235.82		226.35
+65-			7.96	227.96
+90			6.68	229.14
76+15-			5.53	230.29
+40			4.57	231.25
B.M.			3.85	231.97

5th Juniper S.W. At 11 6"

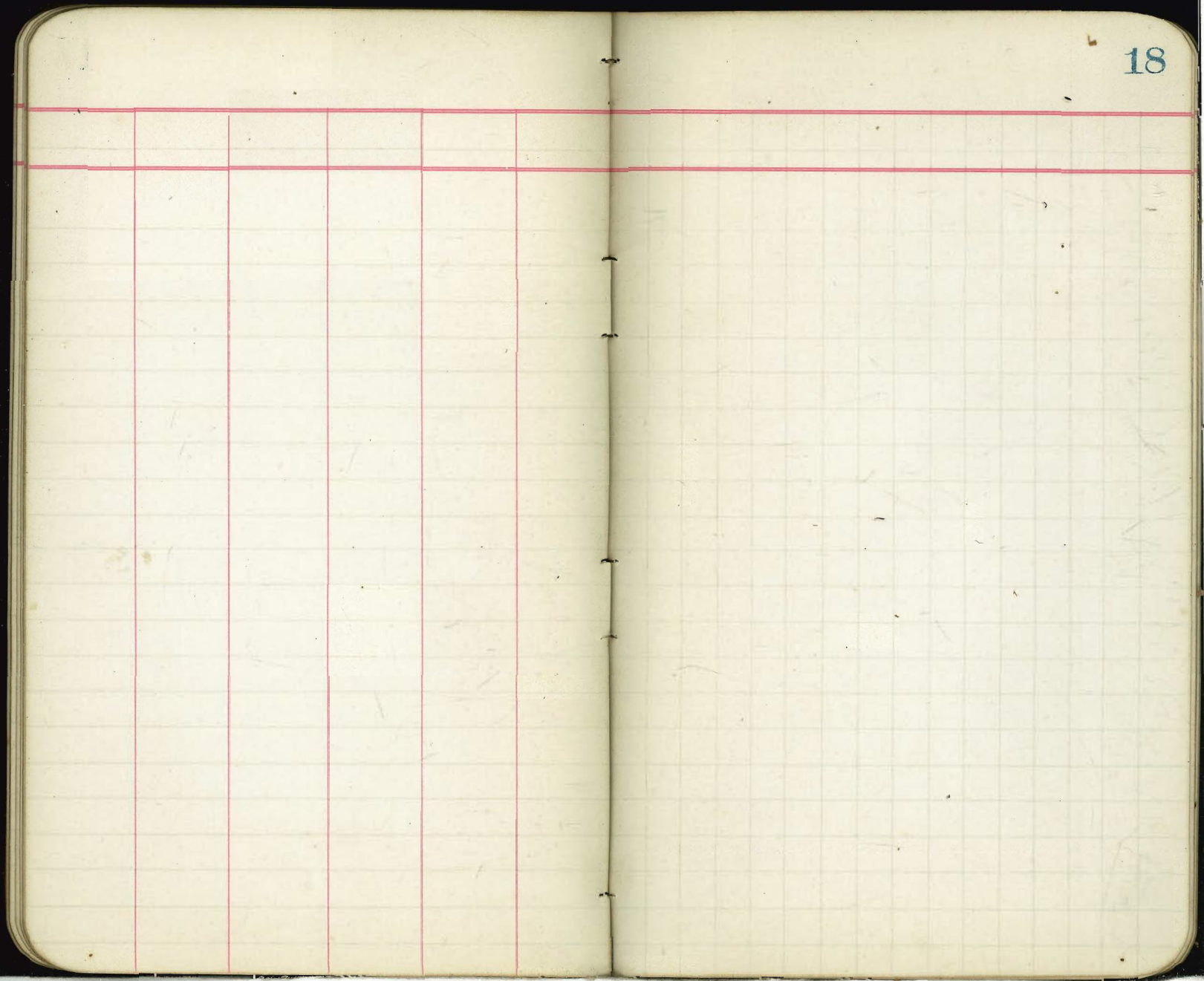
The image shows an open notebook with two pages. The left page is ruled with a grid of 5 columns and 15 rows. The right page is ruled with a grid of 15 columns and 15 rows. The number 13 is printed in the top right corner of the right page. The notebook is placed on a white surface against a black background.





The image shows an open notebook with two pages. The left page is ruled with a grid of red lines, creating a table with 6 columns and 15 rows. The right page is ruled with horizontal lines and has the number '16' printed in the top right corner. The notebook is placed on a white surface against a dark background.

The image shows an open notebook with two pages. The left page is ruled with a red vertical margin line on the left side and a red horizontal header line near the top. The right page is ruled with a red horizontal header line near the top. The pages are cream-colored with light blue horizontal ruling. The notebook is bound in the center, and the pages are slightly aged. The number '17' is printed in blue ink in the top right corner of the right page.



L.M.

Lecture

7th St. N. of Ash No. 10/187

Sta + HI - Elev

Work commenced on 7th St. N. of Ash No. 1/187

Sta	+	HI	-	Elev
B.M.	9.44	141.74		132.30
46			11.76	130.02
+20			10.22	131.56
+40			8.97	132.81
+60			8.72	133.06
+80			8.18	133.65
47+05			6.77	135.01
+30			4.70	137.08
+55			2.41	139.37
+80			0.44	141.30
I.P.	11.09	152.10	0.77	141.01
48+05			4.63	143.47
+30			6.97	145.13
+55			5.58	146.52
+80			4.69	147.51
49+05			3.81	148.29
+30			3.10	149.00
+55			2.88	149.72
+80			1.80	150.30
50			1.16	150.94

7th + Ash No. 10/187

L. Ash

Ash St.

N. Ash St.

L. Bush

Onondaga

Locum

7th St N of Act Nov 10 1887

Sta	+	Adj.	-	Elm
50+20		152.10	0.41	151.69
IP	3.914	155.49 ⁰	0.525	157.575
+40			3.63	157.86
IP	6.55	160.73	1.31	154.18
+60			4.42	152.31
+85			7.52	153.21
51+10			7.00	153.73
+35			6.41	154.32
+60			5.95	154.78
+85			5.35	155.38
52+10			4.62	156.11
+35			3.70	157.03
+60			3.01	157.72
+85			3.34	157.39
53+10			1.65	159.08
+35			0.86	159.87
+60			0.44	160.29
+80			0.49	159.84
54			0.68	164.05
+20			1.00	159.73
+40			1.12	159.61

Center Beach St-

St N near NE cor Nov 14 1887
N L Beach

St Cedar

Cedar

N L Cedar

Mendota

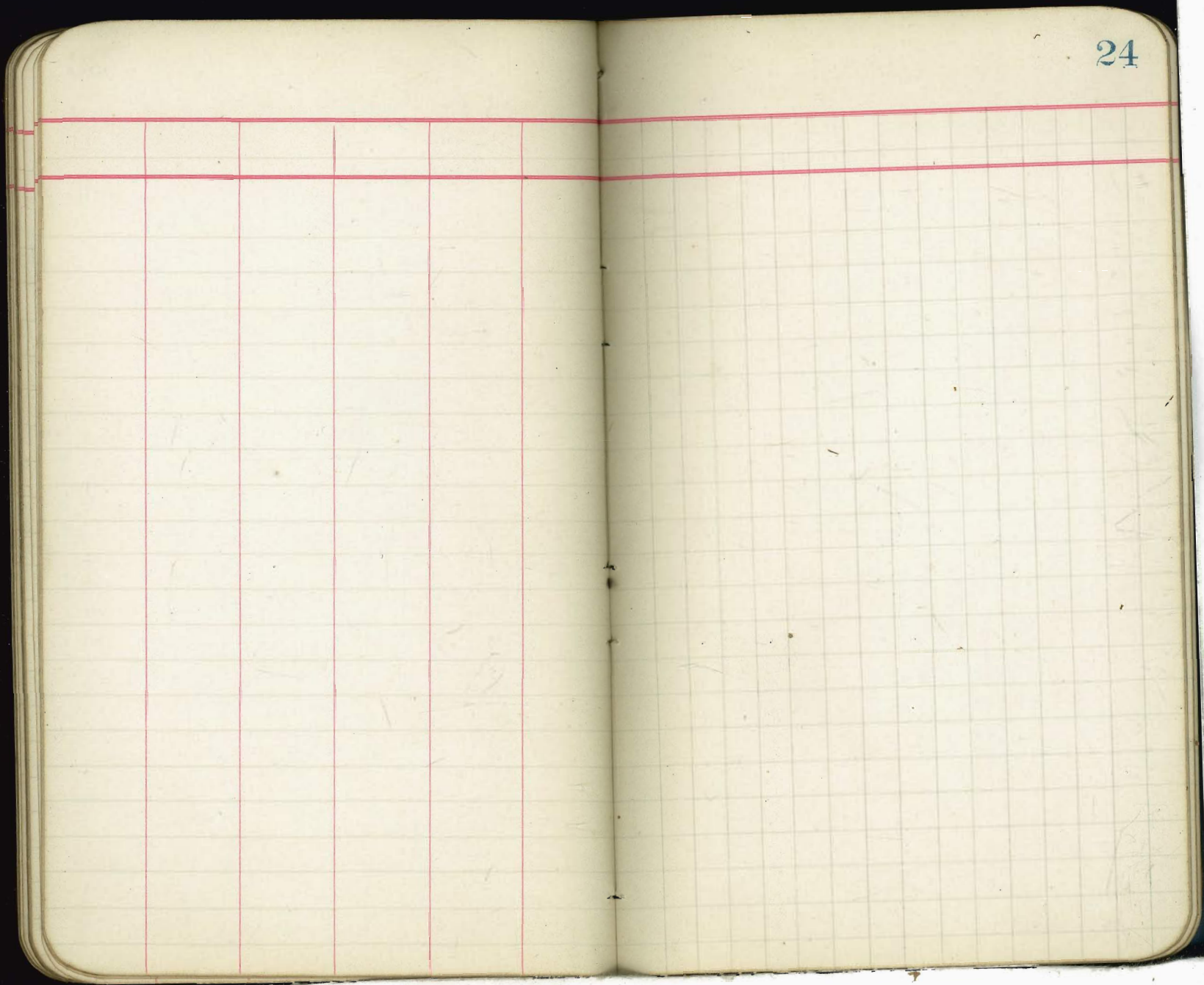
January 7th Dr Not Acc Nov 14/87

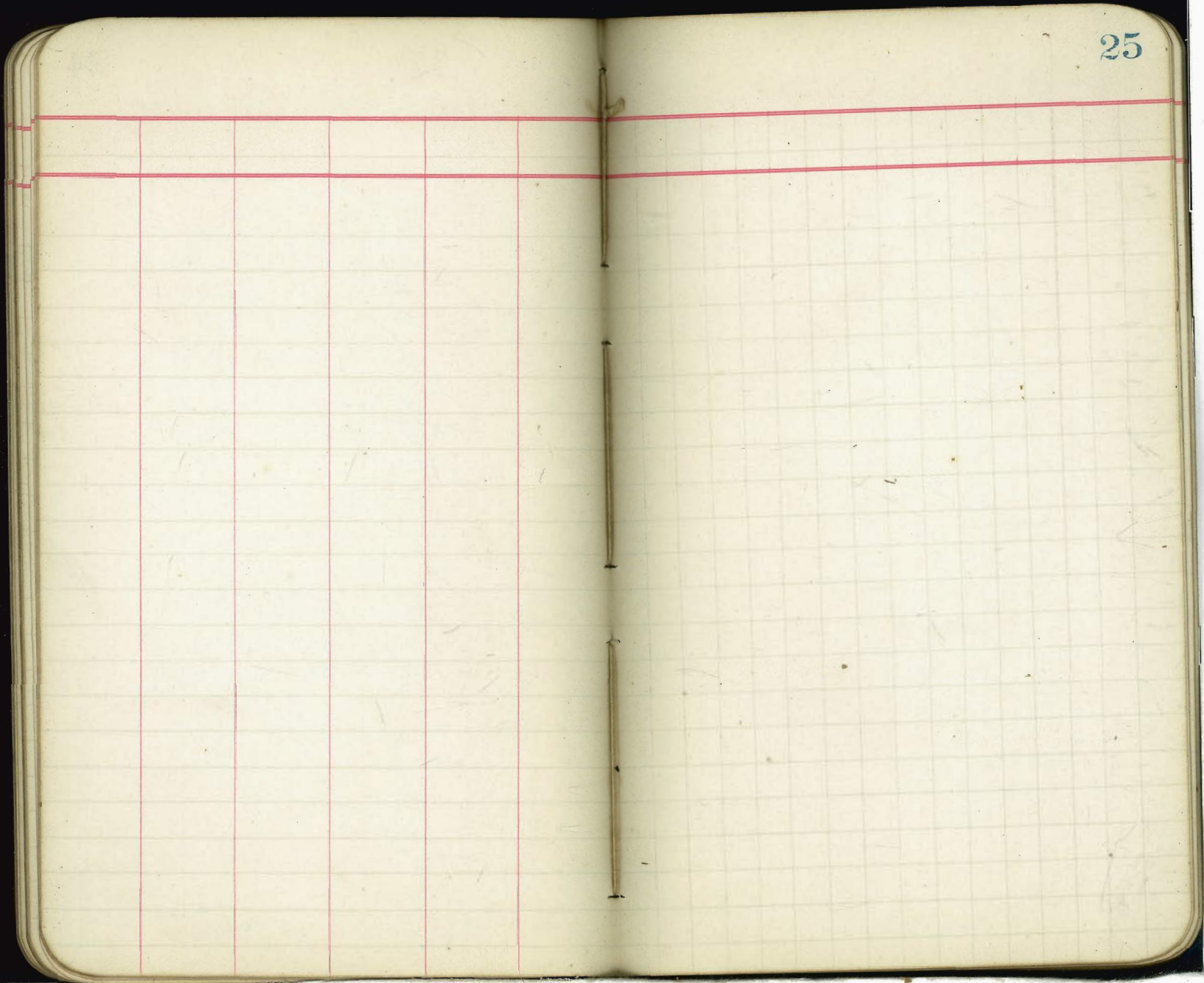
21

Sta	+	H.S.	-	Clu
		16073		
T.P.	1.86	161.80	0.79	159.94
T.P.	0.90	161.11	1.59	160.21
54+65			2.17	158.94
+90			2.50	154.61
55+15			2.73	154.38
+40			3.10	154.01
+65			3.02	154.09
+90			3.51	157.60
56+15			3.52	157.69
+40			3.80	157.31
+65			4.12	156.99
+90			4.39	156.72
57+15			4.78	156.33
+40			4.87	156.24
T.P.			1.80	159.31

Spire RE Co. Co. 4 7th

6th LI - No of Ash





8th S-N Ast

46+40	126.00
+60	126.29
+80	126.59
47+45	126.95
+80	127.32
+55	127.69
+80	128.06
48+45	128.42
+80	128.79
+55	129.16
+80	129.53
49+45	129.89
+80	130.26
+55	130.64
+80	131.00
50	132.00
+20	133.00
+40	134.00
+60	135.00
+85	136.25

19205
1001

19205
1001

x

x

center of Ast

N2 Ast

N2 East

Beck

N2 Beck

4th. S-N of ast
Sta Elev Road Cur

51+10	137.50
+ 35-	138.75
+ 60	140.00
+ 85-	141.25
52+14	142.50
+ 35-	143.75
+ 60	145.00
+ 85-	146.25
53+10	147.60
+ 35-	148.75
+ 60	150.00
+ 80	150.97
54	150.74
+ 20	151.10
+ 40	151.47
+ 65-	151.93
+ 90	152.39
55+15-	152.85
+ 40	153.32
+ 65-	153.78

5/10

x

SZ Cedar

Cedar

NZ Cedar

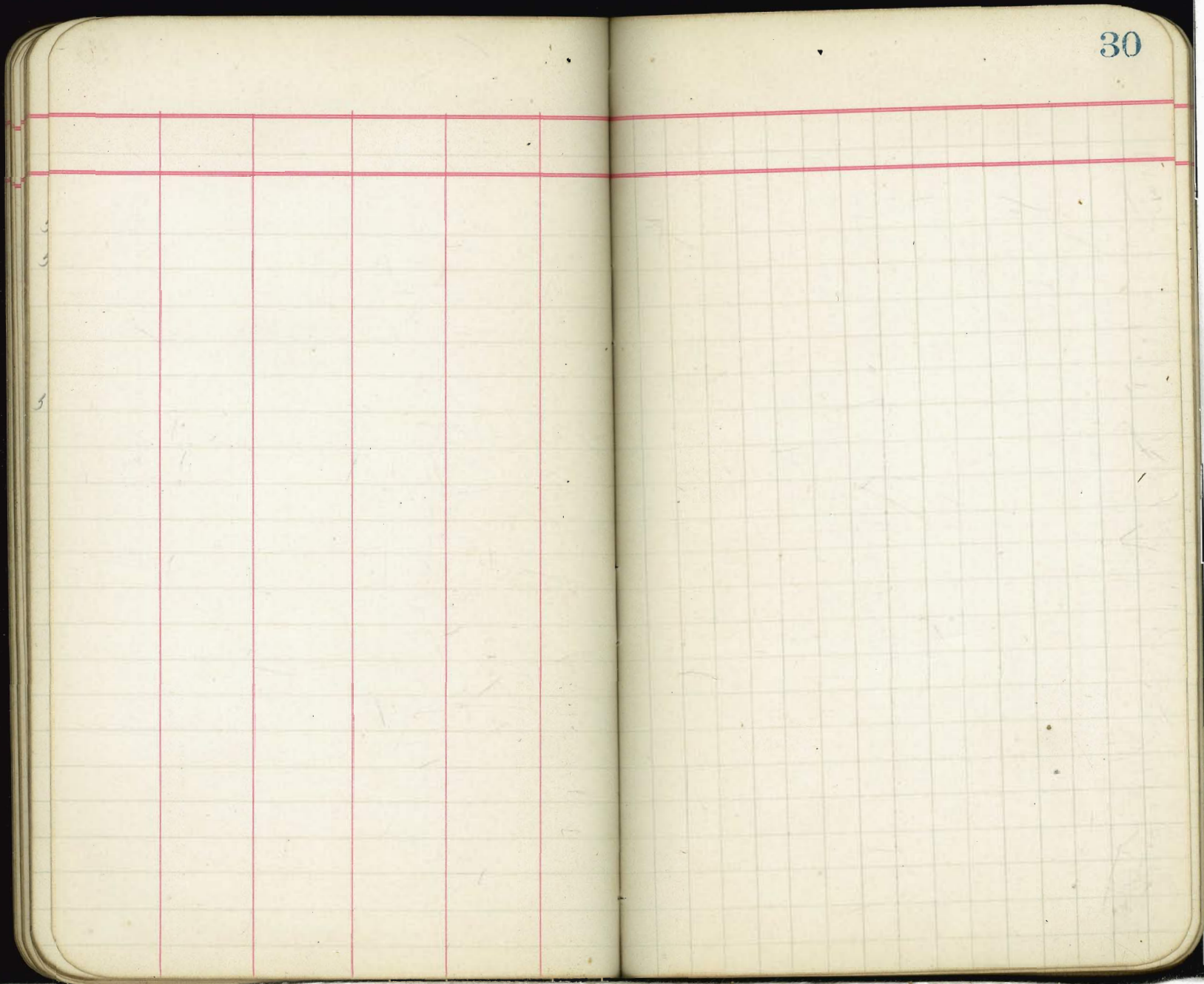
8th St NW of Ast-

Sta Elev Grade Cont

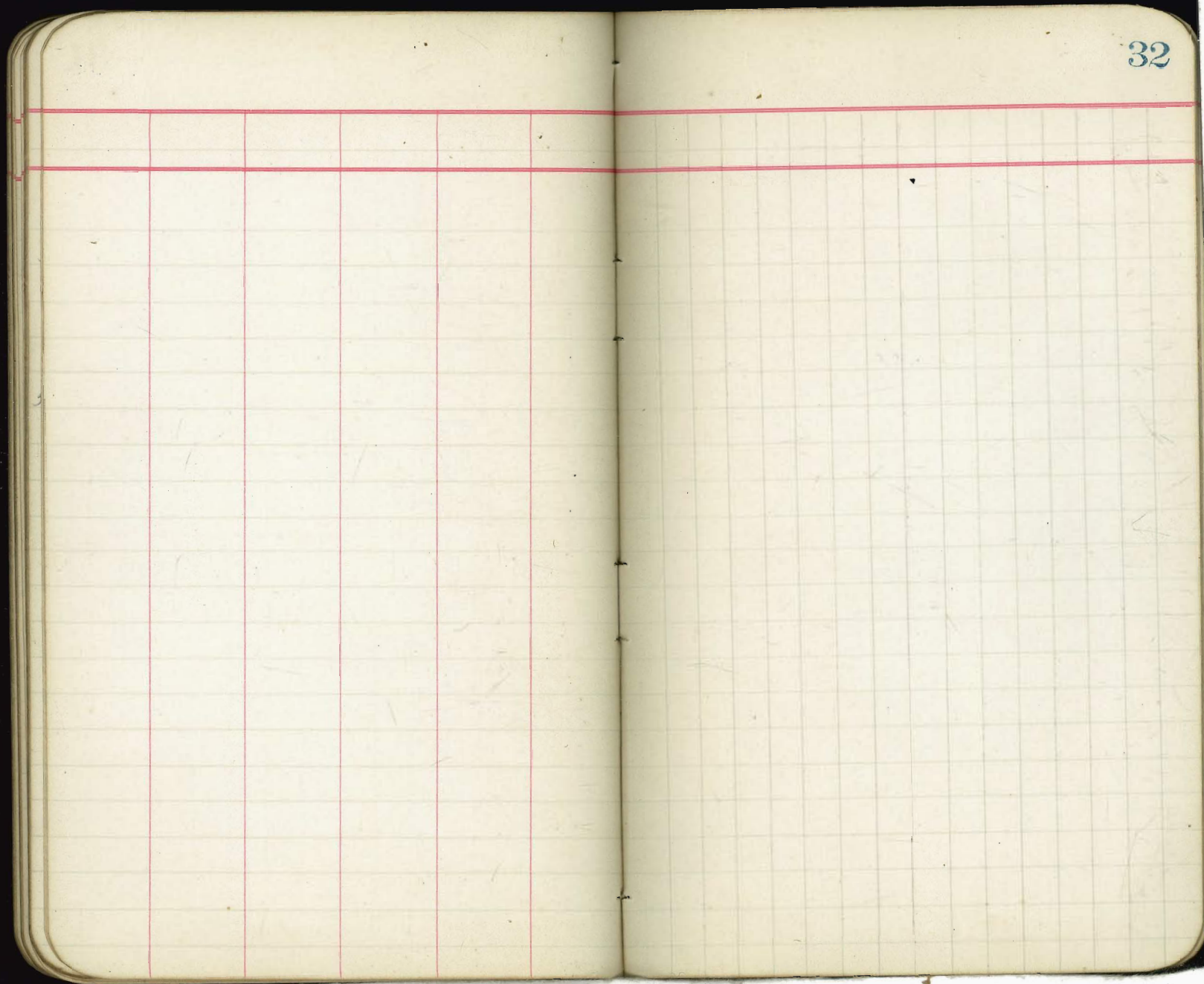
55+90		154.24	
56+15		154.70	
+40		155.16	
+65		155.62	
+90		156.08	
57+15		156.54	
+40		157.00	

x

S I Lane



The image shows an open notebook with two pages. The left page is ruled with horizontal lines and has a red margin line on the left side and a red vertical line near the center. The right page is ruled with horizontal lines and has the number '31' printed in the top right corner. The pages are cream-colored and appear to be blank.



Mendenhall

Leonard 6[#] S-W of S. No. 11187

33

Sta	+	Hz.	-	Elev.
	8.22	57.98		54.71
30+80			7.57	50.36
31			7.24	50.69
+20			7.19	50.94
+40			6.78	51.15
+60			6.45	51.48
+85			6.01	51.92
32+10			5.76	52.18
+35			5.82	52.61
+60			6.03	52.90
+85			4.42	53.51
33+10			4.09	53.90
+35			3.96	53.97
+60			3.66	54.27
+85			3.80	54.68
34+10			3.02	54.91
+35			2.48	55.10
+60			2.89	55.60
B.M.			2.02	55.91

6[#] 1187
S.W. 1187

S. 1187

N. 1187

S. Line C. St.

Mendenhall

Leonard

6th N of D Nov 12/87

34

Sta	+	Hi.	-	Elev
Bm	51.36	61.27		55.91
34+60			6.67	55.60
+80			5.12	56.15
35-			4.87	56.40
+20			5.18	56.19
+40			5.04	56.29
+65			4.90	56.37
+90			4.94	56.33
36+15			4.76	56.51
+40			4.79	56.48
+65			4.75	56.52
+90			4.65	56.62
37+15			4.53	56.74
+40			4.38	56.89
+65			4.40	56.87
+90			4.20	57.07
38+15			4.13	57.14
+40			3.90	57.37
+60			3.85	57.42
+80			3.45	57.82

6th & C Spill in at Pale
L C.

C ST

N C M-

L B M-

B M-

Mendenhall

Linnard

6th St Nov 12/87

Sta.	+	Ht.	-	Elv
39		61.27	8.11	58.16
+20			2.69	58.58
T.P.	9.51	69.14	1.64	59.63
+45			9.13	60.01
+70			7.69	61.45
+95			6.08	63.06
40+20			4.42	64.72
+45			2.65	66.49
+70			0.83	68.31
T.P.	11.70	79.99	0.85	68.29
+95			9.86	70.13
41+20			7.91	72.08
+45			6.07	73.92
+70			4.20	75.79
+95			2.63	77.36
42+20			1.25	78.74
+40			0.10	79.89
T.P.	7.87	87.74	0.08	79.91
+60			6.70	81.08
+80			5.76	82.02
43			4.92	82.86

NLRH

Look top of Post 12K on 6th St Nov 15

SLA

A

NSA M

6th Nov 15

Sta	+	H.I.	-	Elev
T.P.		87.78	3.17	84.61
B.M.	8.88	93.49		84.61
43+25			9.66	83.89
+50			8.66	84.89
+75			7.58	85.91
44			6.84	87.15
+25			4.88	88.61
+50			3.64	89.85
+75			2.70	91.39
45			0.62	92.87
I.P.	10.74	103.87	0.36	93.13
+25			9.54	94.83
T.P.	10.76	113.90	1.33	102.54
B.M.	2.12	102.03		99.91
+50			6.25	95.78
+75			4.95	97.08
46			3.77	98.26
+20			2.72	99.31
+40			1.61	100.42
+60			0.76	101.27

6th Nov 15 Lack of Pierce

6th Nov 15

Nov 17/1887 Hand on this space
at time of first running Elev

6th Astoria Nov 15-1917

HW	+ -	H.I.	-	Bl.
+80		113.30	10.94	102.36
47+05			9.88	103.42
+30			8.76	104.54
+55			7.54	105.76
+80			6.44	106.86
49+05			5.46	107.84
+30			4.54	109.76
+55			3.60	109.70
+80			2.52	110.78
49+05			1.41	111.89
+30			0.15	113.15
T.P.	2.74	116.48	0.61	112.69
+55			1.17	114.26
+80			0.84	115.12

17 Ast
 115.30
 9.42
 105.88
 3.28
 107.17
 7.24
 99.93

Check on Bondman 64 All

SZ Buch

Mendenhall

Leonard C. L. 1005 J. Nov 1907

Sta	+	Hs.	-	Elev
Bm	11.79	111.70		99.91
T.P.	11.29	122.13	0.86	110.84
Bm.			3.62	118.51
50			6.23	115.90
+20			5.75	116.34
+40			5.00	117.13
+60			4.69	117.44
+85			4.09	118.04
51+10			3.14	118.99
+35			2.30	119.83
+60			1.50	120.63
+85			0.70	121.43
I.P.	5.34	127.00	0.47	121.66
52+10			4.98	122.02
+35			4.22	122.78
+60			3.70	123.30
+85			3.26	123.74
53+10			2.30	124.70
+35			1.63	125.37
+60			1.13	125.87
+80			0.72	126.28

6th 9 Oct 1905

6th + Bush NW end top of Run

Bush

NJ Bush 81-

Sta + Hs. - Elev

54 127.00 0.00 127.00

Bm.

1.69 125.31 64 Bden.

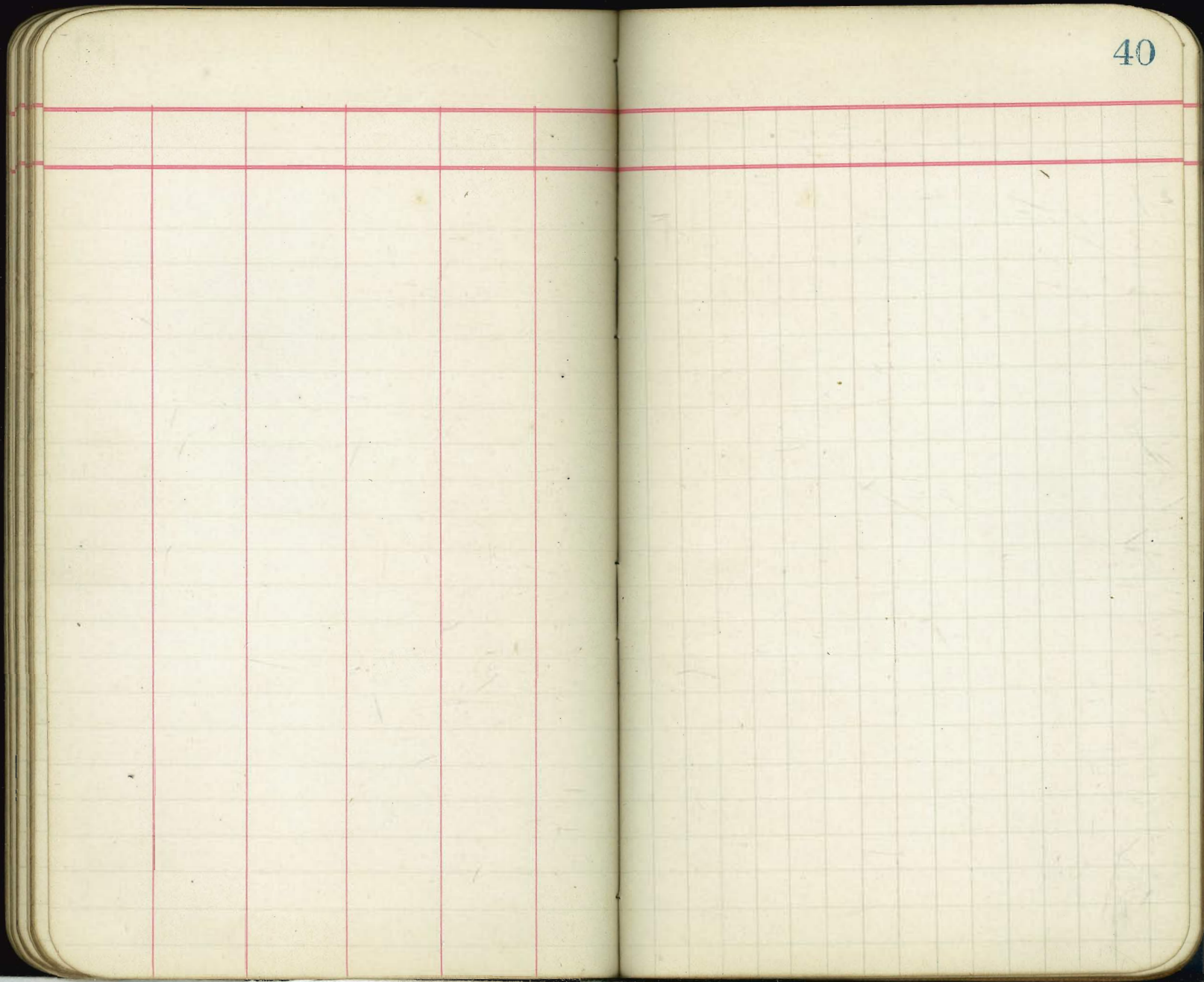
6th 11-11 of S. Morris

Sta	Elev	Ht.	-	Elev
B.M.	8.19	133.57		125.32
54+20			6.10	127.41
+40			6.52	127.99
+65			4.65	124.43
+90			3.86	129.65
55+15			2.70	130.81
+40			1.85	131.66
+65			0.99	132.62
I.P.	9.90	142.86	0.55	132.96
+90			9.13	133.79
56+15			7.92	134.94
+40			6.70	136.16
+65			6.56	137.90
+90			4.08	138.74
57+15			2.62	140.24
+40			1.24	141.62
B.M.			0.92	142.04

6th + Cedar

N. J. Cedar St.

57+40 \checkmark Finished
 End of sunk contract zone



L.P.M.

Leonard 8th St No of A Nov 21/87

Sta + Hi. - Elev

Sta	+	Hi.	-	Elev
B.M.	6.47	63.20		56.73
31			7.68	55.52
+20			6.78	56.42
+40			7.01	56.19
+60			7.09	56.11
+85			6.86	56.34
32+10			6.22	56.94
+35			5.64	57.56
+60			4.99	58.21
+85			4.66	58.54
33+10			3.91	59.29
+35			3.32	59.88
+60			2.53	60.67
+85			1.88	61.32
34+10			1.16	62.04
+35			0.48	62.72
I.P.	3.875	66.91	0.16	63.04
+60			3.82	63.09
+80			4.09	62.82
85			4.36	62.55
+20			4.75	62.16

8th St

L ST

N 2 S ST

S 2 C H

C H

SBW.
Leonard 8th St N.W. & Nov 21/87

No	+	Hi.	-	Elev
85+40		66.91 ⁵	5.67	61.24
B.M.	8.12	66.77	9.265	63.65
+65			6.31	60.46
+90			6.53	60.24
86+15			6.52	60.25
+40			6.56	60.21
+65			6.63	60.14
+90			6.44	60.29
87+15			6.35	60.42
+40			6.23	60.54
+65			6.05	60.72
+90			5.77	61.00
88+15			5.44	61.29
+40			5.04	61.69
B.M.	3.74	67.01	8.64	63.23
+60			5.12	61.89
+80			4.83	62.18
89				
+20			4.65	62.36
+45			4.87	62.14

NJ C St
87+22 28 Bank Pt Nov 22/87

NJ B ST
87+13 18 M.R. Post Nov 25 1887

B ST

NJ B ST

Mendenhall

Leonard 8th St - N of S. Nov 25/57

13

Sta	+	Hi.	-	Elev
39+70		67.01	4.53	62.48
+95			4.38	62.62
40+20			5.41	61.60
+45			4.74	62.27
+70			2.59	64.42
I.P.	10.55	76.60	0.96	66.05
+95			8.64	65.96
41+20			4.03	72.57
I.P.	11.92	88.14	0.38	76.22
+45			8.44	79.70
I.P.	11.56	99.46	0.24	87.90
+70			11.20	88.26
+95			2.57	96.89
I.P.	11.63	110.23	0.86	98.60
42+20			7.69	102.54
+40			5.36	104.87
+60			3.60	106.63
+80			8.39	106.84
43			2.20	108.13
B.M.			7.17	103.06

A.S.T.

A.S.T.

A.S.T.

45 A.S.T. 18 spec in the

B.M.

Leonard 8th St. N. of N. 25/17

Sta	+	Hgt.	-	Elev
B.M.	11.33	114.40		103.07
43+25			2.16	112.24
I.P.	11.29	125.19	0.45	113.95
+50			9.06	116.12
+75			4.48	120.70
44			1.32	123.46
I.P.	9.86	134.88	0.16	125.02
+25			6.78	128.10
+50			3.40	131.48
+75			0.89	133.99
I.P.	1.63	135.97	0.54	134.34
45			0.74	135.23
+25			0.56	135.41
+50			0.40	135.57
+75			1.04	134.93
46			1.68	134.29
+20			1.44	134.53
+40			0.50	135.47
+60			1.66	134.31
+80			2.09	133.88
B.M.			5.83	130.14

8th St. N. of N. 25/17

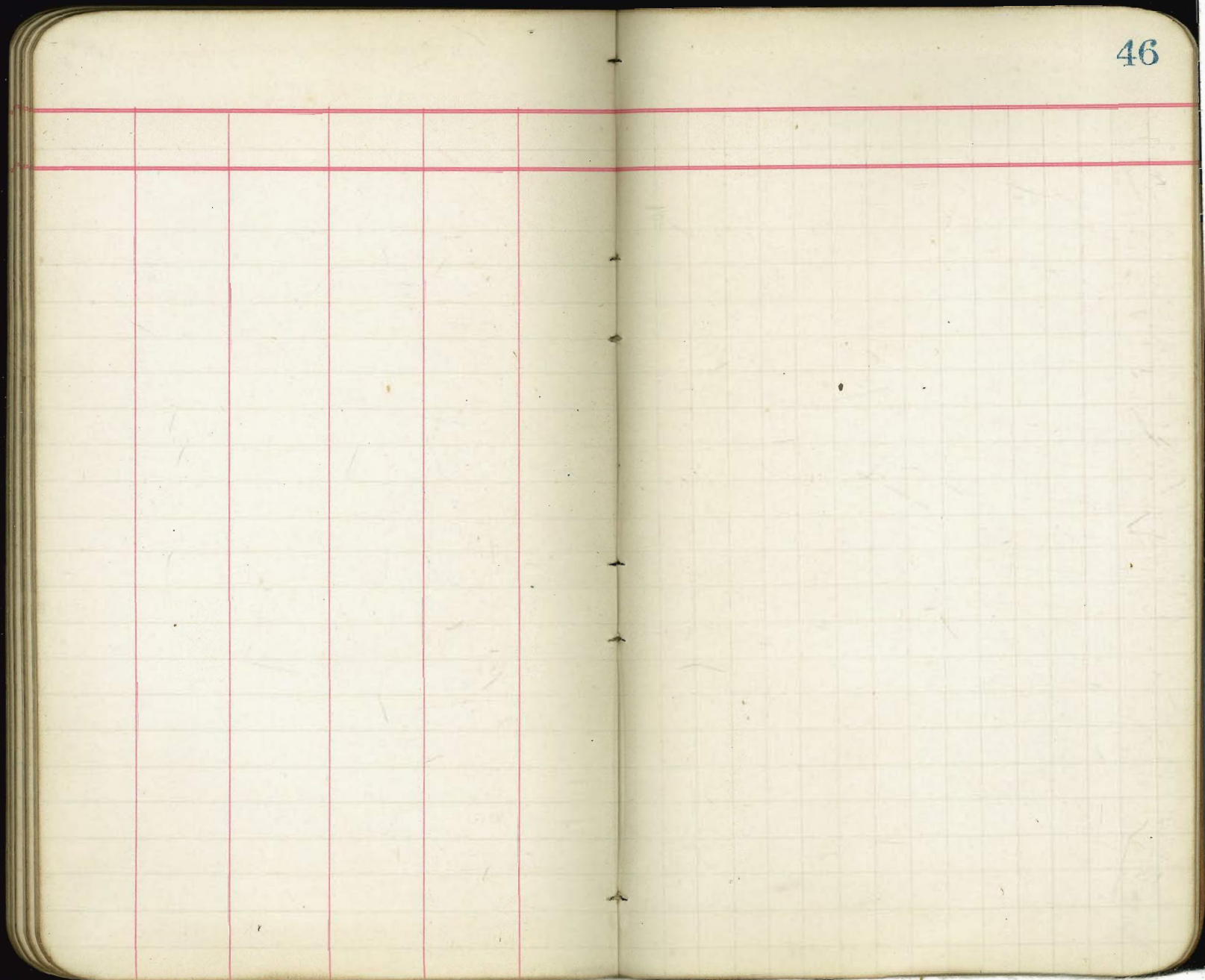
S. 1/4

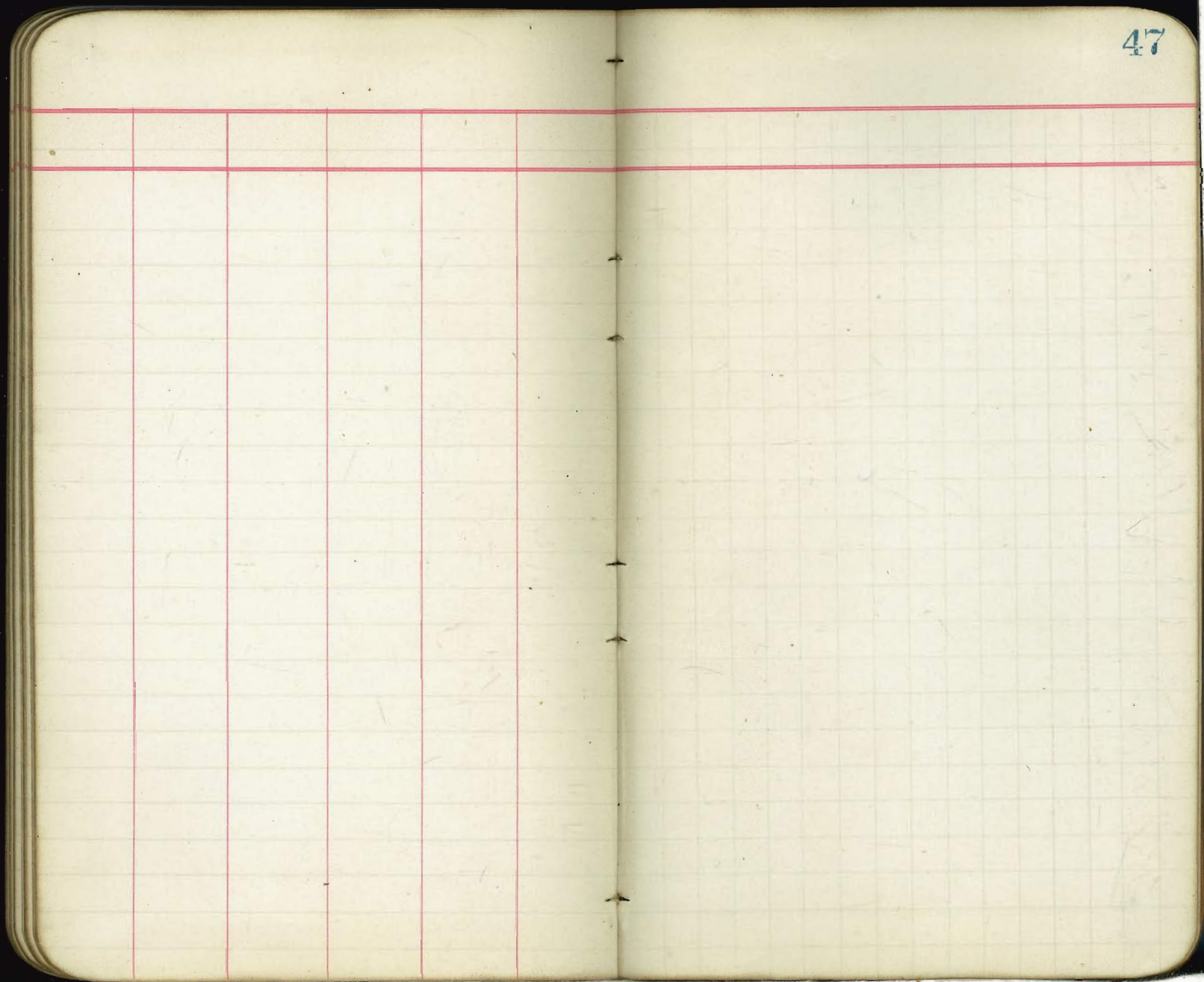
S. 1/4

S. 1/4

8th St. N. of N. 25/17

The image shows an open notebook with two pages. The left page is ruled with a grid of horizontal lines and two vertical red lines, creating three columns. The right page is ruled with a grid of horizontal and vertical lines. The number '45' is written in blue ink in the top right corner of the right page. The notebook is bound in the center, and the pages are slightly aged and yellowed.





1125

1104
10.8

B.M. 22 and 26

St.	+	AD	-	Clear	BB
B.M.	11.29	59.40		47.11	
B.M.	11.70	69.20	1.90	56.50	
#	11.96	79.37	0.79	67.41	
B.M.			5.81	73.56	
#	11.64	90.23	0.74	74.59	
#	11.54	101.04	0.73	84.50	
#	7.60	107.47	0.77	100.27	
B.M.			4.34	103.53	
B.M.#	5.35	109.43	3.79	104.08	104.10
B.M.#	6.92	113.09	1.17	109.26	
#	9.95	124.10	0.93	114.15	
B.M.			8.56	115.54	
#	11.18	134.33	0.95	123.15	
B.M.			7.10	127.23	
#	11.79	145.38	0.74	133.59	
B.M.			8.17	137.21	
#	9.31	153.99	0.80	144.58	
#	11.11	164.26	0.74	153.15	
B.M.			6.21	158.05	
#	8.21	164.12	4.35	159.91	

48

School-house

22nd & M NW spt post

22nd L SW spt post

22nd K NW cor lot of post

22nd J NW spt beam

22nd I NW spt post

22nd H SE cor of cement wall

22nd G SE spt post

23rd E SW spt post 50' W cor

23rd F NW spt post 10' N cor

1125 B.M. 23 11 24 44

Stk	+	H 2	-	Clear	B B
B.M.		164.12	9.04	155.04	155.14
#	8.18	169.06	3.24	160.84	
B.M.			4.07	164.99	165.04
B.M.			7.25	161.81	
B.M.			6.17	162.84	162.90
B.M.	19.71	14.71	St		
B.M.	10.91	43.82		32.91	
#	11.85	54.95	0.72	43.10	
#	11.97	66.20	0.72	54.23	
B.M.			2.70	63.50	53.56
B.M.#	4.13	72.20	2.13	64.07	64.11
B.M.#	1.90	73.05	1.05	71.15	
B.M.	3.45	74.56	1.94	71.11	71.11
B.M.	2.43	71.97	5.02	69.54	69.56
B.M.	11.79	76.29	7.97	64.50	64.51
#	7.04	82.64	0.69	75.60	
B.M.			2.05	80.59	
#	4.13	83.72	3.05	79.59	
B.M.			0.96	82.76	
			0.69	83.03	

238 B NW spike post

218 B SW spike post

238 B SW Iron pin near cor.

238 B SW spike post

Nail plug NC cor.

198 B NC base board

198 L SC "

198 K SC Top of iron post

198 J NC base in lower rail

198 I SW base in "

198 H SW spike post

198 B SC spike post 5' S cor.

198 J NC spike post

198 B NC Iron pin 1' cor.

H.C.I. } $\frac{173-100}{70}$

$\frac{73.712}{1000} =$

100 ft. x 100 ft. B.M. Lat. Nov 12/87

*169.26
156.12
5.14*

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	86
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	85
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	84
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	83
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	82
5	99.62	8.73	99.58	9.15	99.54	9.58	99.50	10.02	81
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	80
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	79
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	78
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	77
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	76
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	75
12	97.81	20.79	97.72	21.22	97.68	21.64	97.53	22.07	74
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	73
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	72
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	71
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	70
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	69
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	68
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	67
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	66
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	65
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	64
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	63
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	62
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	61
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	60
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	59
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	58
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	57
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	56
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	55
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	54
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	53
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	52
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	51
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	50
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	49
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	48
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	47
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	46
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	45
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	44
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	43
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	42
45	70.71	70.71							41
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		

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