

City Sewer's  
Levels.  
H. S. T.

9

TRANSIT.

F. B. 695

Degrees.	DEGREES.		¼ DEGREE.		¼ DEGREE.		¼ 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	98.61	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	23.31	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	23.04	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	95.37	29.07	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	94.26	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	35.81	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	40.66	91.18	40.87	91.00	40.47	90.81	41.87	65
25	90.63	42.24	90.45	42.06	90.26	42.05	90.07	43.44	64
26	89.88	43.81	89.69	44.23	89.49	44.62	89.30	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	87.22	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.34	50.28	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	84.63	54.83	84.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.61	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							

THE PAGES  
BEFORE P. 1  
ARE GLUED  
TOGETHER.

THERE  
IS DATA  
ON THEM

16<sup>th</sup> 21 Nov 2

Sta	+	Hi	-	Elev
Bm	172	26.89		25.17
0			5.52	21.37
10			6.04	21.55
20			4.68	22.21
30			4.43	22.46
40	29.49		4.32	22.57
50	30.17		7.37	22.80
60			7.10	23.07
88			7.18	22.99
+13			6.55	23.32
+38			6.42	23.75
+63			6.28	23.89
+88			5.81	24.36
+13			5.76	24.41
+38			5.19	24.98
+63			4.80	25.37
+88			4.56	25.61
+13			4.14	26.03
+38			3.76	26.41
+63			3.38	26.78
+88			3.24	26.98

Dec 22 187 2

+	Hi	Bm
16	J.P. 0.02	29.49
		29.47
		7.60
		21.59
		5.20
		25.07
		24.49
		22.57
		25.17

Mendenhall

Jan 16<sup>th</sup> St. N. of T. 1892

Sta	HI		Elev	
4+03	31.84	4.46	27.38	K 21
+23	31.84	4.51	27.33	
+43		4.58	27.26	
+68		4.88	27.46	
+93		4.31	27.53	
5+18		4.26	27.58	
+43		4.05	27.79	
+68		4.02	27.82	
+93		4.07	27.77	
6+18		3.70	28.14	
+43		3.79	28.05	
+68		3.70	28.14	
+93		3.40	28.04	
7+18		3.61	28.23	
+43	33.21	4.96	28.25	17.25
+63		4.84	28.37	
+83		4.87	28.34	J 21
8+03		4.99	28.22	
+23		4.80	28.41	N 21
+48	33.21	4.76	28.45	

+ HI - Elev  
 TP 273 31.16 4.78 28.43

1.14 Bon  
 8.28 P.M.  
 54.42 H<sub>2</sub>O 31.90  
 2.46 - 2.00  
 31.96 179.396  
 4.32 110  
 30.12

HI  
 33.21 -  
 TP 273 31.16 4.78 28.43  
 IP - 1.69 29.47

16 # 81 - Nov 2, Dec 22/51

4

Sta	Ht	-	Elv
8+73		4.61	29.60
+98		4.70	29.51
9+23		4.58	29.63
+48	33.21	4.37	29.54
+73	33.84	5.18	29.71
+99		4.64	29.20
10+23		4.70	29.14
+48		4.45	29.39
+73		4.38	29.46
+98		4.06	29.78
11+23		3.55	30.29
+43		3.45	30.39
+63		3.38	30.46
+83		3.06	30.78
12+00	36.54	5.44	31.10
+28		5.29	31.26
+53		4.90	31.64
+78		4.58	31.96
13+03	39.02	6.57	32.45
+28	39.02	6.45	32.57

Ht	-	Elv
36.54	6.75	30.79
3.15	33.84	30.79
2.42	33.21	30.79

Mendenhall

Leonard 16<sup>th</sup> St. Nov 21

5

Sta	Ht.	-	Elev.
13753	39.02	6.34	32.68
+78		6.28	32.74
14103		5.47	33.15
+28		5.66	33.36
+63		5.64	33.38
+78		5.38	33.64
<del>+89</del>			
15		4.45	34.57
+11		4.14	34.88
+22		3.80	35.22
+33		3.49	35.53
+44		3.53	35.49
+55		3.40	35.62
+66		3.07	35.95
+77		2.83	36.19
+88		2.70	36.32
+99	2.33	2.33	36.69
16702			

P.T.

+	Ht.	-	BM
0.34	39.02		38.68
# 3.37	36.54	5.95	33.17

Owenduffell

16<sup>th</sup> St. Nov 7. 1892

6

Sta	+	Hi.	-	Elev.
B.M.	2.21	40.84		38.63
0			6.96	34.48
+15			5.69	35.25
+30			5.64	35.20
+45			5.81	35.03
+66			6.00	34.94
+91			5.99	34.85
+116			5.70	35.14
+41			5.26	35.58
+66			4.91	35.93
+91			4.35	36.49
2+16			4.23	36.61
+41			3.55	37.26
+66			2.97	37.87
+91			2.65	38.19
3+16			2.46	38.38
+41			2.13	38.71
+66			1.89	38.95
+91			1.66	39.18
4+01			1.48	39.41

W. J. H. St.

156 81



16<sup>th</sup> St. No. 10

7

Sta	+	H.S.	-	Elev
4+21		40.84	1.13	39.71
+41			0.93	39.91
+61			1.08	39.76
+81			0.55	40.29
B.M.	11.86	51.47	0.73	40.11
6+06			10.76	40.71
+31			9.61	41.86
+56			8.70	42.77
+81			7.64	43.43
6+06			6.63	44.84
+31			5.99	45.48
+56			4.89	46.58
+81			3.48	47.59
7+06			2.89	48.58
+31			2.03	49.44
+56			1.10	50.37
+81			0.26	51.21
B.M.	7.10	56.57	2.00	49.47
B.M.			3.64	47.83

4011  
 256  
 41297  
 3980  
 367

16<sup>th</sup> St. No. 10  
 16<sup>th</sup> St. No. 10  
 16<sup>th</sup> St. No. 10

4247  
 383  
 5330  
 5110

17<sup>th</sup> St. No. 10  
 17<sup>th</sup> St. No. 10  
 17<sup>th</sup> St. No. 10

16<sup>th</sup> Nov A No 29/87

8

Sta	+	Hot	-	Cl
8+01		56.57	4.64	51.93
+21			4.05	52.52
+41			8.77	52.80
+61			4.00	52.57
+86			4.55	52.02
9+11			4.83	51.74
+36			5.33	51.22
+61			5.65	50.92
+86			5.68	50.89
10+11			6.18	50.39
+36			6.49	50.08
+61			7.04	49.53
+86			7.33	49.24
11+11			7.70	48.87
+36			8.42	48.15
+61			8.80	47.77
Bm.			7.64	48.93

5.30

5.51

10.7 51

18. Spine in cor 168 E

17th South of D. St <sup>1/8</sup>

Sta	+	H.I.	-	Elev.
B.M.	6.20	58.36		52.16
0			5.16	53.00
+21			5.09	53.27
+31			5.46	52.90
+41			5.21	53.15
+51			4.95	53.41
+61			4.83	53.53
+71			1.98	56.38
+81			0.02	58.34
T.P.	11.13	69.41	0.08	58.28
+89			9.51	59.90
+114			0.99	68.42
T.P.	10.79	80.18	0.02	69.39
+39			4.76	75.42
T.P.	12.00	92.80	0.18	80.00
+64			7.68	84.32
T.P.	11.11	103.04	0.07	91.93
+89			11.07	91.97
+114			8.05	94.99
+39			7.68	95.36
+64			7.24	95.80

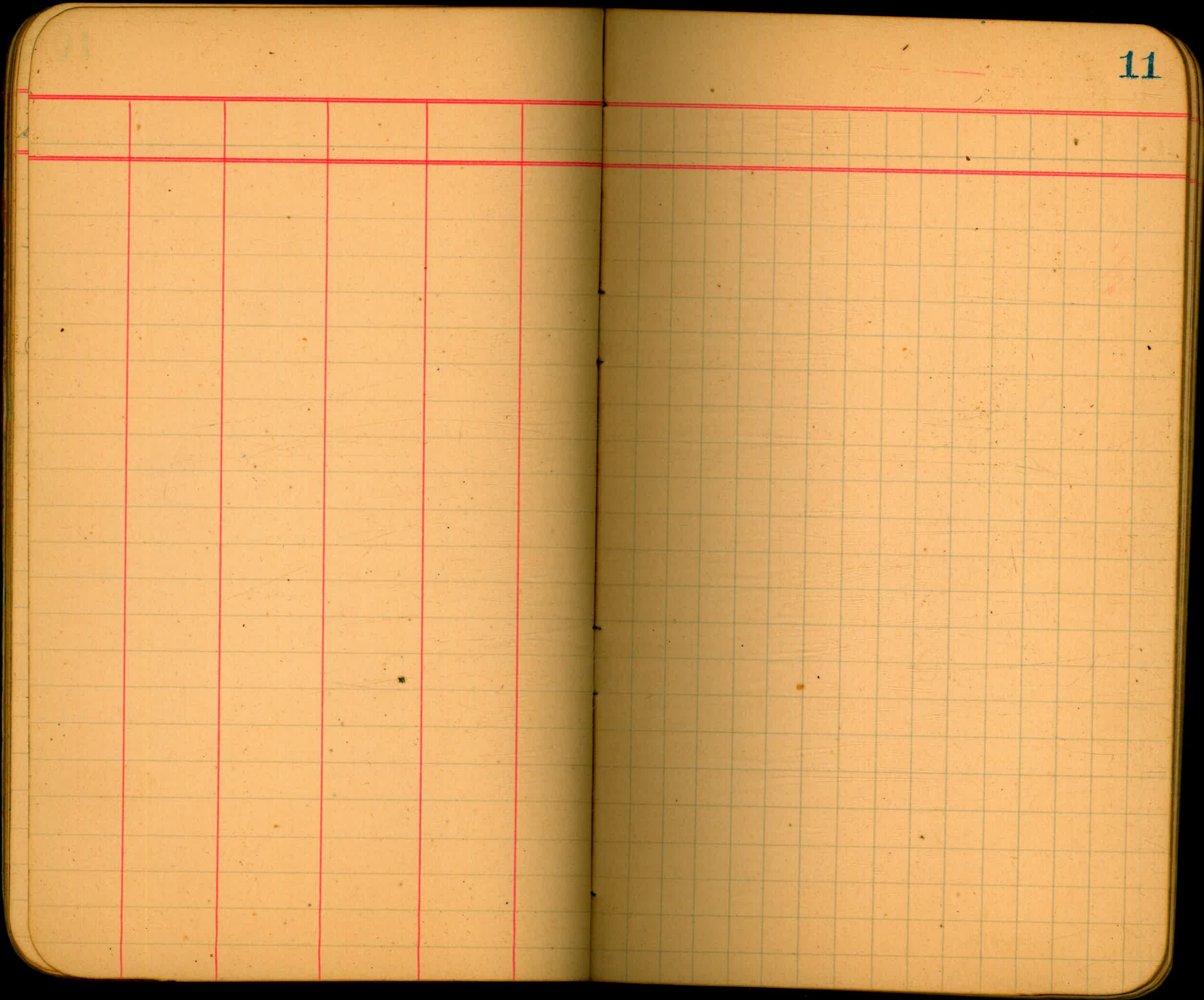
17th South of D. St

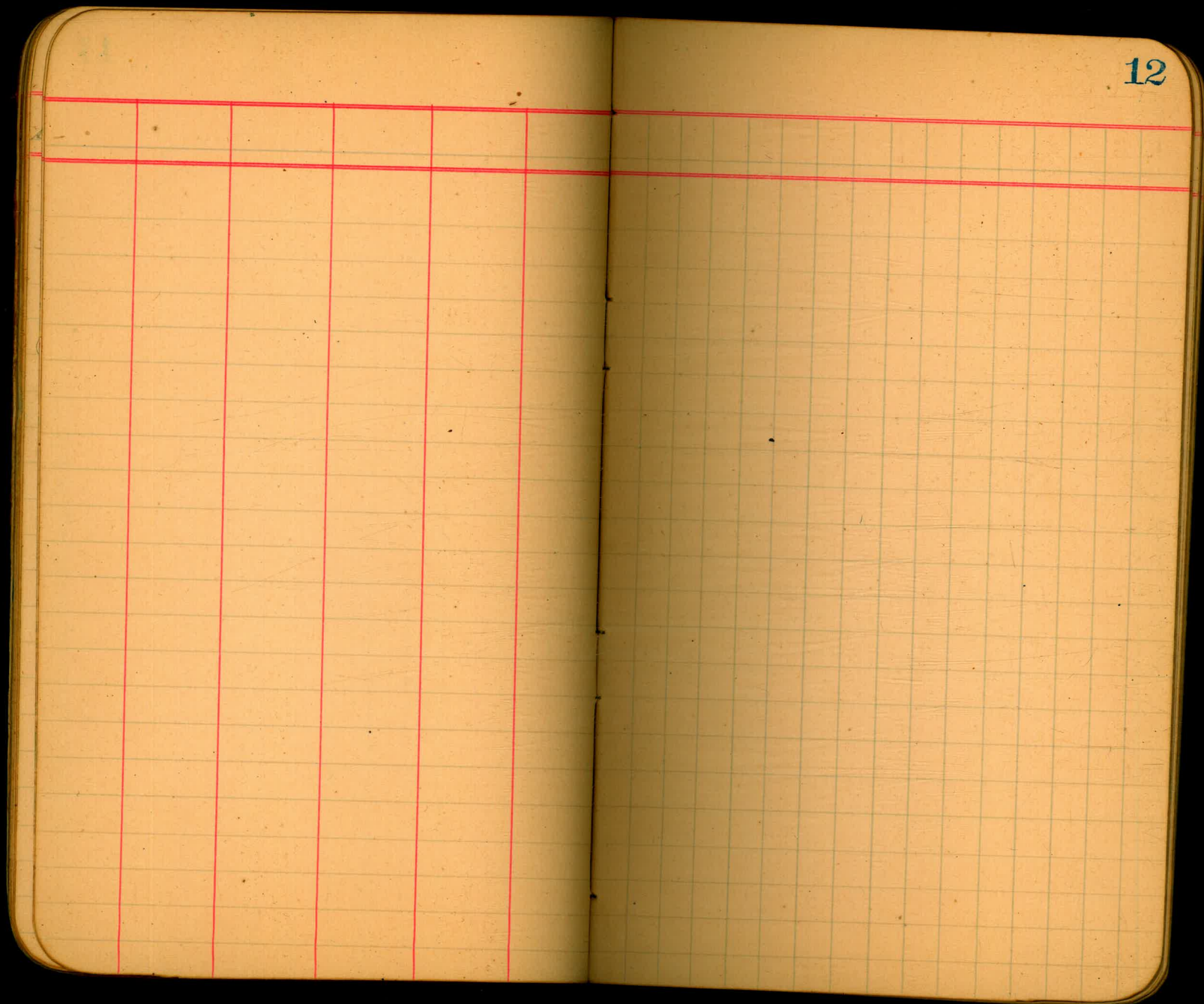
17<sup>th</sup> St. South of D. St.

10

Sta	+	H.I.	-	Elev.
2+89		103.04	5.36	97.68
3+14			3.47	99.59
+39			3.27	99.97
+69			3.90	99.14
B.M.			5.00	98.04

W. L. L. L. L. L.  
179 E. St.





The image shows an open notebook with two pages. The left page is ruled with a grid of light green lines. It features five vertical red lines that divide the page into six columns of varying widths. Two horizontal red lines are drawn near the top of the page, creating a header section. The right page is also ruled with a grid of light green lines, but it does not have the red lines. The pages are aged and yellowed, and the notebook is bound in the center. The number '13' is printed in the top right corner of the right page.

L.M.

Linn. H St W 19 Dec 19/97

Sta	+	Ht.	-	Elev
P.M.	3.53	42.46		38.63
0			5.78	36.68
+25			5.45	37.01
+50			5.08	37.38
+75			5.35	37.11
1			4.73	37.78
+25			4.49	37.97
+50			3.97	38.49
+75			3.68	38.93
2			2.92	39.58
+25			2.28	40.14
+50			1.58	40.88
I.P.	9.63	51.59	0.57	41.96
+75			9.08	42.01
B			8.39	43.20
+25			6.97	44.62
+50			5.94	45.65
+75			4.94	46.65
4			4.02	47.57
+25			3.00	48.59

Hgt 16<sup>th</sup> 18. 1/11 Post.+62 17<sup>th</sup> 21. 1/11 Post.



Lpm

Leonard H St to 19 Dec 11/87

Sta	+	Hgt.	-	Elev
H+50		57.59	1.92	49.67
+75			1.17	50.42
I.P.	11.03	61.99	0.63	50.96
5			10.46	51.54
+25			9.58	52.41
B.M.			7.50	54.49
+30			8.23	53.76
+75			6.58	55.41
6			5.04	56.95
+25			3.22	58.77
+50			1.18	60.81
I.P.	10.97	72.30	0.66	61.43
+75			9.80	62.50
+90			8.14	64.16
B.M.	9.85	74.30	7.85	64.45
X.01			9.16	65.14
+12			8.43	65.87
+23			5.05	66.25
+84			7.97	66.33
+45			8.24	66.06

4745 W. 18th St. Suspension

18th St. 91.3

5725 E. Lincoln

44 19 113

H+ 19 1.20

St. Maurice

Lepaire 19<sup>th</sup> St. Curve Sec 14/87

16

Sta	+	Hi.	-	Elev
756		74.30	7.86	66.44
+ 67			7.72	66.58
+ 78			7.72	66.58
+ 89			7.58	66.72
8			8.01	66.29
+ 14			8.39	65.91
+ 39			9.23	65.07
+ 64			9.77	64.53
+ 89			9.86	64.44
9+14			9.55	64.75
+ 39			10.07	64.25
+ 64			11.36	62.94
+ 89			12.82	61.44
10+14			11.81	62.99
+ 39			10.30	64.08
+ 64			9.72	64.58
+ 64			9.32	64.98
+ 74			8.60	65.78
+ 84			8.02	66.28
+ 94			6.94	67.40

L.M.

22. 19<sup>th</sup> to I Dec 14 1877

Sta	+	Ht.	-	Elev
11+04		74.30	6.47	67.83
+14			6.01	68.29
+24			5.50	68.80
+34			4.37	69.93
+44			3.70	70.60
+54			2.72	71.58
+64			1.89	72.41
+66			1.68	72.62
+91			0.80	73.50
B.M.	10.73	80.39	4.74	69.56
12+16			4.96	75.43
+44			3.75	76.64
+66			2.60	77.79
+91			2.54	77.85
13+16			2.09	78.30
T.P.	2.41	80.90	1.90	78.49
+81			2.20	78.70

T ST 10/16/87

Sta	+	Hi.	-	Elev
Bm	2.62	94.63		92.01
T.P.	8.67	91.82	11.44	83.15
			10.83	80.99
+81			6.14	85.64
+31			3.47	87.95
+56			2.24	89.54
+81			0.72	91.10
T.P.	5.96	97.61	0.17	91.65
+106			4.92	92.69
+31			4.43	93.18
+56			4.05	93.56
+76			3.10	94.51
Bm			5.60	92.01

204 9 8 18 Exp. to e. surface

Mundenhall

19

Sunday 17<sup>th</sup> S of 8 1-5-88

Dist	+	Dist	-	Elev
P.M.	5.90	44.53		39.68
0			6.18	38.35
+25			6.44	38.09
+44			6.27	38.26
+64			5.94	38.55
+69			6.65	38.88
+78			6.16	39.38
+88			5.96	38.57
+99			6.90	37.63
+102			7.00	37.53
+27			6.77	37.76
+52			4.29	40.24
+77			2.07	42.46
+102			2.80	41.73
+27			4.44	40.09
+52			5.07	39.46
I.P.	6.12	45.85	4.80	39.73
+77			5.81	40.04
+102			5.07	40.78
+27			5.15	40.70

16<sup>th</sup> H. S. C. Sp. cur Pan.

17<sup>th</sup> Dec 191-9-88

1-9-88

Sta	+	Mt.	-	Obs.
3+52		45.85	6.29	39.56
+77			6.72	39.13
+92			8.47	37.38
4+12			7.71	38.14
+32			6.33	39.52
+52			6.22	40.63
+72			5.68	40.22
Rm 7.58		46.16	7.27	38.58
+97			5.60	40.56
5+22			5.54	40.62
+47			5.24	40.92
+72			4.97	41.19
+97			4.45	41.71
6+22			3.68	42.48
+47			2.64	43.52
+72			1.87	44.29
+97			2.11	44.06
7+22		1	2.57	43.65
+47			2.95	43.21
+72			3.33	42.83
Rm.			3.69	42.47

12 5 81

8 81

17 5 81

17 5 81 11 27 10 10 19-88

17<sup>th</sup> + 2 17<sup>th</sup>

L.S.M.

1 Leonard 14<sup>th</sup> St. # 1-10-88

Sta	+	H.S.	-	Elev.
B.M.	1.68	56.05		54.47
0-5			4.13	47.92
+25			7.45	48.60
+48			6.62	49.43
+58			6.47	49.58
+68			6.52	49.53
+78			5.92	50.13
+88			6.23	49.82
1+01			6.27	49.74
+33			6.08	49.97
+58			6.88	49.17
+83			7.33	49.72
2+08			7.39	49.66
+33			7.47	49.68
+58			6.12	49.93
+83			5.97	50.08
3+08			5.95	50.10
+83			4.90	51.16
+58			4.50	51.55
+43			4.40	51.65

N.J. 381

25.6.30

Tennard 19th Oct 1910-88

Sta	+	H <sub>1</sub>	-	Elv
I.P		56.05	6.07	57.95
I.P	9.30	61.28		
H103			10.04	51.24
+23			9.87	51.41
+43			9.28	52.00
+63			8.76	52.52
R.M			4.87	56.41
84			8.29	53.05
5713			6.54	54.70
+34			5.34	55.94
+63			4.06	57.22
+88			3.61	57.67
6+13			2.70	54.58
+34			2.69	54.59
+63			2.59	54.69
+88			3.58	57.70
7+13			4.25	57.03
+88			5.23	56.05
+63			6.20	55.04
R.M			7.37	53.91

9.63  
51.65

18th + 8th Oct 1910-88

19th + 9th Nov 1910-88



L.P.M.

22 18<sup>th</sup> M - N.A.A. 1-16-66

Sta	+	Mi.	-	Elev
Bin	5.15	59.66		54.51
0			11.90	47.86
+25			11.05	48.61
+50			10.16	49.50
+60			9.72	49.94
+70			9.22	50.44
+80			8.54	51.08
+90			8.34	51.32
1			8.67	50.99
+25			8.03	51.63
+50			7.20	52.46
+75			6.41	54.25
2			4.74	54.88
+25			4.60	55.06
+50			3.10	56.56
+75			3.27	56.39
3			2.74	56.92
+25			2.45	56.81
+50			2.16	57.50
+75			1.70	57.96
4			1.67	57.99

1793 M2 P 21

1793 M2 P 21

20 m  
 18<sup>th</sup> St 1-16-68

Sta	+	HT	-	Elev
TPRM		59.66	0.06	59.60
	3.30	62.90		59.60
4+20			3.65	59.25
+40			2.70	60.20
+60			2.52	60.38
+80			2.44	60.46
5+05			1.92	60.98
+30			1.93	60.97
+55			1.86	61.54
+80			1.64	61.26
6+05			2.32	60.54
+30			3.06	59.84
+55			4.63	54.27
+81			6.71	56.19
7+05			6.84	56.06
+30			7.10	55.80
+55			7.45	55.45
+80			1.58	61.32
PRM			0.05	62.85
TP	3.30	54.80	11.45	51.45
PRM			7.00	47.80

Cop. of lower step. Chm. 18.18.46

6.20

11.20

12.20

19+ St 1/2 Post Top

174 St 1/2 End of Run

12.0.m

W.L.Z. 18<sup>th</sup> Nov #1-20-88

Sta	+	Hs.	-	Elev.
Bm	9.53	72.84		62.85
7+90			11.06	61.32
8			8.97	63.41
+90			8.44	63.90
+110			4.14	64.20
+60			7.71	64.67
+85			4.69	67.69
9+10			3.60	64.78
+35			1.17	71.21
TP	11.54	62.82	1.10	71.28
+60			8.50	74.32
+85			5.65	77.17
10+10			3.74	79.04
+35			1.84	80.94
+60			0.09	82.73
TP	9.64	92.12	0.34	82.48
+85			7.64	84.48
11+10			6.46	85.66
+35			5.04	87.08
+60			3.21	88.91

18<sup>th</sup> Nov. A.E. Spk left Post

L.F.M.

L.M.

L.F.M.

L.F.M.

2077  
 18<sup>th</sup> Nov 1-20-88

No.	+	175:	-	Elev.
11+80		92.12	2.54	89.58
12			1.74	90.38
+20			0.97	91.15
+40			1.00	91.12
B.M.			2.12	90.00
B.M.	11.36	100.60	2.88	89.24
+65			9.25	91.35
+90			8.77	91.83
13+15			4.34	92.26
+40			7.53	93.07
+65			6.28	94.32
+90			5.50	95.10
14+15			4.08	96.52
+40			1.96	98.64
+65			1.37	99.23
+90			0.27	100.33
I.P.	5.35	105.68	0.27	100.33
15+15			8.96	101.72
B.M.			2.18	103.50

15<sup>th</sup> + F center

18 15<sup>th</sup> + F road in Plug

18<sup>th</sup> + F Anderson Gate Post

17<sup>th</sup> St North of H St

Sta	+	H. I.	-	Elev.
B. W.	10.86	48.99		38.13
0			11.14	37.85
+41			10.57	38.42
+57			10.23	38.76
+61			10.05	38.94
+71			9.76	39.23
+81			9.77	39.22
+91			10.58	38.41
+101			10.63	38.36
+109			10.56	38.43
+134			9.56	39.43
+159			9.06	39.93
+184			8.53	40.46
2+09			8.51	40.48
+34			8.39	40.70
+59			7.83	41.16
+84			8.03	40.96
3+09			7.52	41.47
+34			8.08	40.91
+59			7.28	41.71
+95			2.73	46.26

Exp. W. W. 17<sup>th</sup> St.

S. Line S. St.

17<sup>th</sup> North of H St. 美

Sta	+	H.S.	-	Elev
4+15		48.99	2.13	46.86
+35			1.42	47.57
+55			1.24	47.75
+75			1.61	47.39
B.M.	11.60	59.44	1.16	47.83
5			8.04	51.40
+25			6.68	53.76
+50			4.42	55.02
+75			1.96	57.48
T.P.	11.89	71.06	0.27	59.17
6			10.61	60.45
+25			7.84	63.20
+50			3.92	67.14
T.P.	11.89	82.72	0.23	70.83
+75			11.61	71.11
7+			8.93	73.79
+25			6.10	76.62
+50			3.23	79.49
+75			3.05	79.67
+95			1.94	80.78
B.M.	11.85	91.79	2.76	79.96

S St

W Line S St  
17<sup>th</sup> S W

S Line S St

94

17<sup>th</sup> St North of H. St.

Sta	H. St.	—	Elev.
8+15	91.79	10.00	81.79
+35		9.65	82.14
+55		9.53	82.26
+80		0.74	91.05
T.P.	9.93	101.69	5.03 91.76
9+05		9.89	91.10
+30		9.63	92.06
+55		9.17	92.52
+80		8.70	92.99
10+05		7.92	93.77
+30		7.36	94.33
+55		6.82	94.87
+80		6.26	95.43
11+05		5.11	96.58
+30		4.45	97.24
+55		3.50	98.19
B.M.		3.65	98.04

F. St.

71.2 F. St.

6. Line to St.

April 17<sup>th</sup>.

20<sup>th</sup> St. W. of 2<sup>nd</sup> St.

20.

88.50  
 1.70  
 88.69  
 11.62  
 77.06

30

Sta	+	H.S.	-	Elev.
B.M.	1.55	90.05		88.50
0			8.22	81.83
+5			8.27	81.78
+10			8.07	81.98
+15			7.96	82.09
+20			7.78	82.27
+23			7.71	82.34
+33			7.43	82.62
+43			7.39	82.66
+53			7.11	82.94
+63			6.55	83.50
+73			6.48	83.57
+83			6.38	83.67
+90			6.23	83.82
+112			6.34	83.61
+37			6.07	83.98
+62			5.86	84.19
+87			5.73	84.32
+112			5.49	84.56
+37			5.33	84.72
+62			4.99	85.06

S. E. of fence.



20<sup>th</sup> North of S.H.  $\frac{2}{3}$ 

Sta	+	H.S.	-	Elev.
2+87		90.05	5.13	84.92
3+12			4.95	85.10
+37			4.98	85.07
+65			4.42	85.63
B.M.	7.85	93.95	3.95	86.10
+90			7.75	86.20
4+15			7.18	86.77
+40			5.97	87.98
+65			5.27	88.68
+90			4.92	89.03
5+15			4.68	89.27
+40			4.38	89.57
+65			3.83	90.12
+90			3.44	90.51
6+15			3.07	90.88
+40			2.70	91.25
+65			2.30	91.65
+90			1.50	92.45
7+15			0.96	92.99
+40			0.61	93.34
B.M.	10.88	103.88	1.70	92.25

S. Line S.H.

W. Line S.H.

S.H.

W. Line S.H.

20th St North of 2 St.

$\frac{3}{2}$

32

Sta	+	H. I.	-	Elev.
7+77		103.08	8.72	94.36
+971			8.16	94.92
8+17			7.63	95.45
+37			6.82	96.26
+57			6.94	96.14
+82			6.93	96.15
9+07			6.62	96.46
+37			6.44	96.64
+57			6.03	97.05
+82			5.90	97.18
10+07			5.38	97.70
+32			5.15	97.93
+57			4.67	98.41
+82			4.49	98.59
11+07			4.42	98.66
+32			4.28	98.80
+56			3.71	99.37
P.M.			1.67	101.41

S. Line 4 St.

S. St.

N. Line 4 St.

S. Line 7 St. First Tank  
N. W. of 20 St.

17<sup>th</sup> North of W St.

33

Sta	+	H.S.	-	Elev.
Q.W.	10.74	25.11	0.14	14.37
T.P.	11.00	35.97	1.57	24.97
T.F.	4.91	39.38		34.40
.	0		5.90	33.48
+10			5.56	33.82
+20			5.16	34.22
+30			4.70	34.68
+40			4.42	34.96
+50			3.98	35.40
+66			4.53	34.85
+66			4.38	35.00
+91			3.70	35.68
+16			4.23	35.15
+41			3.87	35.51
+66			3.65	35.73
+91			4.00	35.38
2+16			4.21	35.17
+41			4.39	34.99
+66			4.88	34.50
+91			4.79	34.59
3+16			4.45	34.93

W.M.A.

17th St North of N. St

Sta	+ H.D.	-	Elev	
3+41	39.38	4.60	34.78	
+61		2.67	36.71	
+81		3.53	35.85	
4+01		2.07	37.31	
+20		2.18	37.20	
B.M.	7.58	43.77	3.16	36.22
		6.61	37.16	19
		5.81	37.96	
		4.59	39.18	
		4.05	39.72	
		3.85	39.92	
		4.37	39.40	
		5.74	38.03	
		5.93	37.84	
		5.24	38.53	
		4.40	39.37	
		4.83	38.94	
		4.55	39.22	
		3.30	40.47	
		2.68	41.09	
		2.44	41.33	

S. Line L. St.

L. St

N. Line L. St.

B.M.

20<sup>th</sup> South of I. St.

Sta	+	H.S.	-	Elev.
B.M. 2.10		90.61		80.50
0			8.67	81.94
+06			9.03	81.58
+12			8.66	81.95
+19			8.50	82.11
+29			8.20	82.41
+39			7.95	82.66
+49			7.34	83.27
+59			6.82	83.79
+69			6.46	84.15
+79			6.33	84.28
+87			6.29	84.32
1+10			5.80	84.81
+35			5.30	85.31
+60			4.92	85.69
+95			4.27	86.34
2+10			3.92	86.69
+35			3.59	87.02
+60			3.11	87.50
+85			2.49	88.12
3+10			2.03	88.58

Final to 2000

20<sup>th</sup> St. South of Dist.  $\frac{5}{8}$ 

Sta	+	N.S.	-	Elev.
3735		90.61	1.62	88.99
+60			1.63	89.98
P.M.			2.26	88.35
		Finis.		

W. L. St.  
 J. 20 Sp. S. W.

20<sup>th</sup> St. South of G. St.

Sta	+	N.S.	-	Elev.
B. 70.	7.31	96.75		89.44
0			7.49	89.26
+10			6.47	90.28
+20			5.56	91.19
+30			5.11	91.64
+41			6.81	90.74
+66			8.17	88.58
+91			7.75	89.00
1+16			7.10	89.65
+21			6.64	90.11
+66			6.37	90.38
+91			5.75	91.00
2+16			5.26	91.49
+41			4.80	91.95
+66			4.13	92.62
+91			3.74	93.01
3+16			3.28	93.47
+41			2.80	93.95
+61			2.37	94.38
+81			2.40	94.35
4+01			2.32	94.43

Apr 16, 2006.

N. Line D St

D. St

20<sup>th</sup> St. South of 6 St.

Sta	+	M.S.	-	Elev.
4+21		96.75	2.17	94.58
B.W.	5.83	100.08	2.50	94.25
+46			5.55	94.53
+71			5.69	94.39
+96			5.68	94.40
5+21			5.74	94.34
+46			5.70	94.38
+71			5.51	94.57
+96			5.50	94.50
6+21			5.27	94.81
+46			5.28	94.80
+71			5.26	94.82
+96			4.93	95.15
7+21			4.77	95.31
B.W.	4.35	102.80	1.62	98.46
+41			7.52	95.28
+61			7.37	95.43
+81			7.43	95.37
8+01			7.60	95.20
+26			7.56	95.24
+51			7.32	95.48

S. Lim 2 St.

N. Lim 2 St.

N.W. Cor. 6 &amp; 20

E St

S. Lim 2 St.



20th St South Elev.

Sta	+	H.2.	-	Elev.
8+76		102.80	7.00	95.80
9+01			6.53	96.27
+26			6.36	96.44
+57			6.10	96.70
+76			5.69	97.11
10+01			5.21	97.59
+26			4.79	98.01
+57			4.25	98.55
+76			3.89	98.91
11+02			3.58	99.30
B.W.			1.40	101.40

W. Linn & Co  
Exp. N. W.

B. m.

17<sup>th</sup> North of 7th St

Sta	+	N.D.	-	Elev.
B No	4.98	39.38		34.40
0			5.90	33.48
+12			5.56	33.82
+25			5.16	34.22
+37			4.70	34.68
+50			4.42	34.96
+62			3.98	35.40
+75			4.53	34.85
+84			4.38	35.00
+10			3.70	35.68
+35			4.23	35.15
+60			3.87	35.51
+85			3.65	35.73
2+10			4.00	35.38
+35			4.21	35.17
+60			4.39	34.99
+85			4.88	34.50
3+10			4.79	34.59
+35			4.45	34.93
+60			4.60	34.78
+80			2.67	36.71

S. Line S. St

17<sup>th</sup> St North of W St.

Sta	+	NO.	-	Elev.	R. W.
4		39.38	3.53	35.85	
+20			2.07	37.31	
+40			2.18	37.20	
3.00	7.58	43.77	3.16	36.22	36.19
			6.65	37.16	check.
465			5.81	37.96	
+90			4.59	39.18	
5715			4.05	39.72	
+40			3.85	39.92	
+65			4.37	39.40	
+90			5.74	38.23	
6415			5.93	37.64	
+40			5.24	38.53	
+65			4.40	39.37	
+90			4.83	38.94	
7415			4.55	39.22	
440			3.30	40.47	
+60			2.68	41.09	
+80			2.44	41.33	
8			2.52	41.25	
+20			2.88	40.99	

L. St

W. L. L St

L. Linn K. St.

K. St.

W. Linn K. St.

17<sup>th</sup> St North of 3<sup>rd</sup> St.

Sta	+ H.I.	-	Elev.
B.W.	4.85	45.39	3.23 40.54
8+45			4.20 41.19
+70			4.43 40.96
+95			4.83 40.56
9+20			4.36 41.03
+45			4.47 40.92
+70			4.50 40.89
+95			4.51 40.88
10+20			3.63 41.76
+25			3.87 41.52
+30			3.75 41.64
+95			3.31 42.08
11+20			3.52 41.87
B.W.			2.94

17<sup>th</sup> St  
 17<sup>th</sup> St

The image shows an open notebook with two pages. The left page is ruled with a grid of light blue lines. Two vertical red lines are drawn across the page, creating three columns. The right page is also ruled with a grid of light blue lines. The number '44' is printed in the top right corner of the right page. The notebook is bound in the center, and the pages are a light tan color.

	+	Hi.	-	Elev
Bm	5.24	30.41		25.17
Bm			0.26	30.15
I.P.	5.93	33.10	3.14	27.27
Bm			2.29	30.81 31.29
			1.83	28.27
			4.98	28.10
Bm	2.30	32.45		30.15
Bm			1.31	31.14
			4.22	28.23
			4.23	29.22
			4.42	29.09

164 J. H.K. Post  
Hydant

109 0

4.9  
9.9  
Hydant 109 K  
109 164 J. H.K. Post

E. St Oct 24 + 25<sup>th</sup>

S. Elev	E. Elev	N. Elev
(184.2)		
12.1	172.1	11.5
10.9	173.3	10.6
9.9	174.3	9.5
8.9	175.3	8.8
7.9	176.3	7.7
7.0	177.2	7.1
6.1	178.1	6.0
5.1	179.1	5.1
4.2	180.0	4.5
3.4	180.8	3.8

(190.7)

9.4	181.3	10.0
8.8	181.9	9.3
8.4	182.3	8.9
7.8	182.9	8.5
7.3	183.4	8.1
6.7	184.0	7.6
6.5	184.2	7.2
6.1	184.6	6.7
5.8	184.9	6.3
5.4	185.3	5.4



St. Pet. 24 + 25

- Elev. - Elev. - Elev.

(1907)

4.8	185.9	5.5	185.2	4.8	185.9
4.3	186.4	5.1	185.6	4.2	186.5
3.8	186.9	4.4	186.3	3.6	187.1
2.8	187.9	3.8	186.9	3.2	187.5
3.1	187.6	2.8	187.9	2.1	188.6

(C. 11. 25 + 26. 187.98)

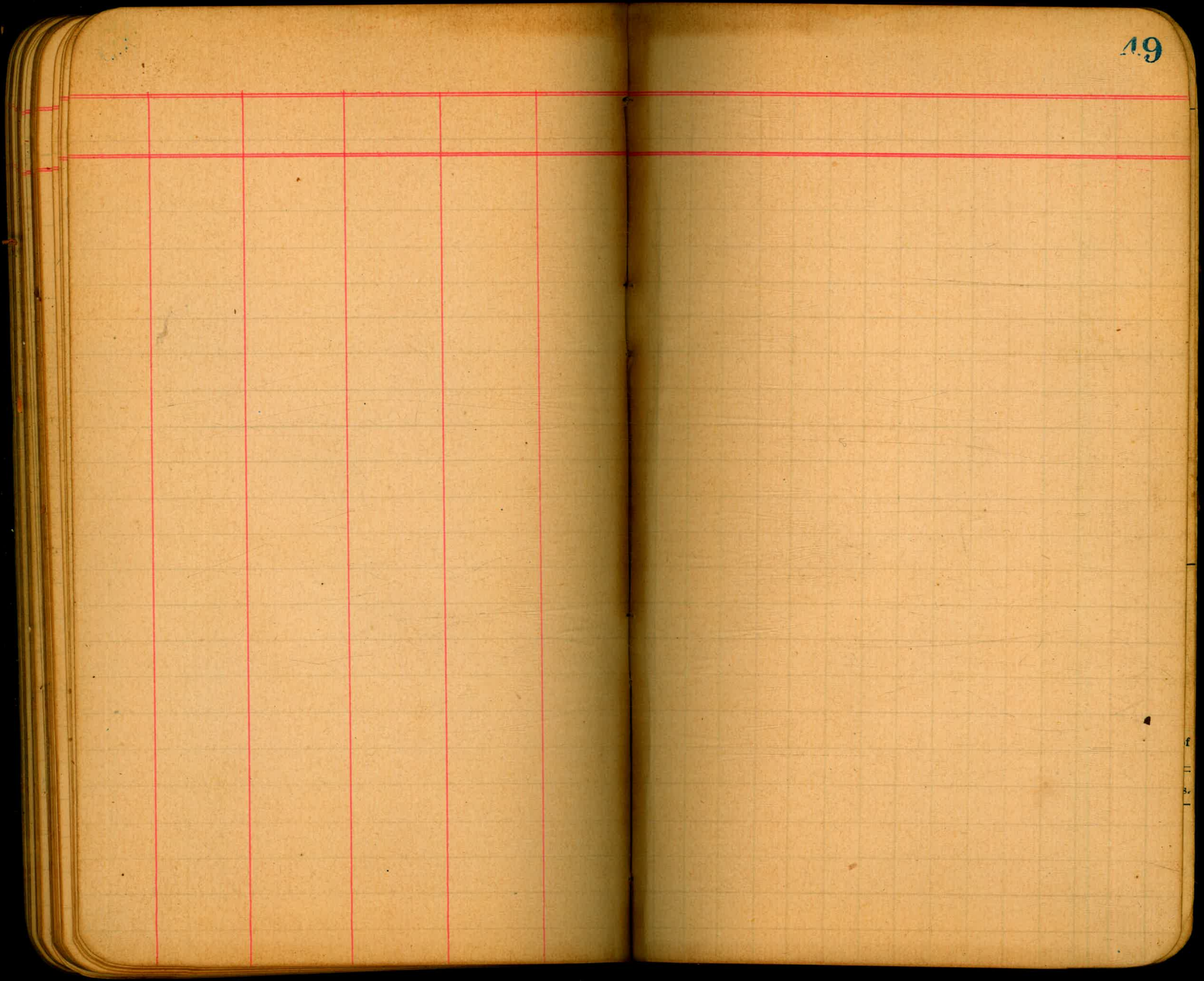
20<sup>th</sup> St. W. of 6 St.

Sta	+ H.D.	-	Elev
B.M.	5.42	94.86	89.44
0		6.00	88.86
+10		5.96	88.90
+20		5.74	89.12
+30		5.87	88.99
+40	X	9.44	85.42
+47	X	13.53	81.33
+56	X	14.20	80.66
+67	X	73.36	81.50
+92		8.94	85.92
+117		2.76	92.10
+42		0.64	94.22
+67		3.37	91.49
+92		11.17	83.69
T.P.	4.05	87.37	11.54 83.32
+117		9.91	77.56
T.P.	2.22	77.88	11.71 75.66
+42		4.58	73.30
B.M.		5.51	72.37

S. of N.E.

42

B. of N.E.



W. B. Prentiss  
Side Survey on 16<sup>th</sup> & S  
Sta 10+73 dis 94 ft

2 40  
9 00  
11 10

2577  
2448  
   68  
-----  
16.11

19+3120  
2 8015  
-----  
35  
15.76

5687  
879  
-----  
4778

5200  
675  
-----  
32.78

4778  
4.22  
-----

1200  
240  
-----  
14.40

1440  
38  
-----  
14.02

14.65

14982  
6246  
-----  
51275

368  
11.15



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	1.00½
4	9½	24	.56	44	1.02½
5	11½	25	.58½	45	1.05
6	14	26	.60½	46	1.07½
7	16½	27	.63	47	1.09½
8	18½	28	.65½	48	1.12
9	21	29	.67½	49	1.14½
10	23½	30	.70	50	1.16½
11	25½	31	.72½	51	1.19
12	28	32	.74½	52	1.21½
13	30½	33	.77	53	1.23½
14	32½	34	.79½	54	1.26
15	35	35	.81½	55	1.28½
16	37½	36	.84	56	1.30½
17	39½	37	.86½	57	1.33
18	42	38	.88½	58	1.35½
19	44½	39	.91	59	1.37½
20	46½	40	.93½	60	1.40

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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