

Branches

15<sup>n</sup> 16<sup>n</sup>

9

TRANSIT

F. B. 705

705

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	132½
18	41½	38	88½	58	134½
19	44	39	91	59	137½
20	46½	40	93½	60	140

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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.
°		°		°		°	
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

North 1

14<sup>th</sup> Street 14 of I

W	E		W	E	
0x50	0x52 ✓		0.345	0.36.5	
.76	.78 ✓		59	61	
1x00	1x02 ✓		84	86	
x25	x27 ✓		1.075	1.09.5	
.50	.52 ✓		335	355	
.75	.77 ✓		575	595	
2x01	2x03 ✓	Entered	84	86	
.25	.27 ✓		2x09	2x11	
.50	.52 ✓		38	35	
.745	.76.5 ✓		59	61	Sta
3x01	3x03 ✓		83	85	west
.25	.27 ✓		3x075	3x095	
3x44	sol. mt	336	Inspector		
○ inspects		sol. mt	K Street		
4x19	4x21 ✓	354	Gen Yeart		
4x84	end of P.P. on 14 <sup>th</sup> Street		for K Street		
<u>Entered</u>	<u>Entered</u>	4x13.5	4x15.5		
		38	40		
		63.5	65.5		
		88.5	90.5		
		5x12.5	5.14.5		

✓ 14<sup>th</sup> North of L  
6 wch

W	E	W	E
5x385	5x405	10.695	10.715
.68	.65	10x97	Inspection so
88	90	Line of J Street	
6x125	6x145	11x16	in & west fr
.385	.405	J. Street	
.64	.66	11.745	11.765
88	90	99.5	12x015
7x17	Inspection South	12x25	x27
Line of J Street		.495	.515
7x85	in & west	.755	.775
for J. Street		.985	13.015
7.95	7.97	13.24	13.26
8x19	8x21	.50	.52
.445	.465	.745	.765
.685	.705	14.00	14.02
.945	.965	.24	.26
9x20	9x22	.49	.515
.445	.465	end of Pipe for	
.685	.705	Flush tank	
.95	.97	Extended May 8	
10x195	10x215	<u>Entered</u>	
44	46		

✓ Sweet  
14<sup>th</sup> South of G

1

EW	W	W	E
0x575	0.595		
.845	.865	1x785	1x805
1.095	1.115	1x94	Extra 4
.335	.355	2x945	2.065
.605	.625	.29	.31
.85	.87	.585	.585
2.095	2.115	.78	.80
.355	.375	3.04	3.06
.60	.62	.28	.30
.78	.80	3.36	Inspection
3x095	3.115	0	So line to Sta
.34	.36	3.75	in & west
3.62	end of Pipe	4x34	4x36
for Flush tank for		.58	.60
to #1		.825	.845
<u>Entered</u>		5.09	5.11
		.53	.55
Sweet		.575	.595
North of G		.83	.85
x54	x56	6.08	6.10
.79	.81	.54	.56
10.35	10.55	.585	.605
.28	.30		
.525	.545		

✓ 14<sup>th</sup> Street west  
North of D

W	E	W	E
6.845	6.865	12x18	12x20
7.09	7.11	.44	.46
7.36	7.36	.68	.70
7.54	7.54	.93	.95
8.13	8.15	13.18.5	13.20.5
8.75	8.75	.68	.70
8.85	8.85	.94	.96
8.8	9.0	14.18	14.20
9.14	9.16	.44	.46
9.85	10.5	.68	.70
10.4	10.6	14x96	Inspect solim C
10.88	10.90	15x14	6 in Y east for C sta
10x13	10x15	15x73	15x75
38	40	.99	16x01
63	65	16x23	x.25
88	90	.48.5	.50.5
11.16	11.16	.74	.76
11.33	11.33	.98	17.00
11.35	11.35	17x23	.25
11.36	11.36	.48.5	.50.5
11.94	11.94	.72.5	.74.5
		.99.5	18.01.5
		18.25	.25
		.49	.51
		18x76	Inspect solim B
		x94	6 in Y East for B
		19x54	19x56
		.78	.80
		20x04	20x06
		.28	.30
		.54	.56
		.78	.80
		21x04	21x06
		.29	.31
		.53	.55
		.78	.80
		22.03.5	22.05.5
		.28	.30
		22.56	end of Pipe on 14 <sup>th</sup> Street

Entered

✓ K Street East from 14<sup>th</sup> Street

North	South	So	No
0.88	0x40	0.58	0.40
.68.5	.65.5	.65	.67
.89	.91	.89	.91
1.15	1.15	1.15	1.17
.39	.41	1.39.5	1.41.5
.68.5	.65.5	.64	.66
.87.5	.89.5	.90	.92
2.14	2.16	2.15	2.17
.37.5	.39.5	.39.5	.41.5
.60	.62	.64	.66
.84.5	.86.5	.89.5	.91.5
3.09	3.11	3.14	3.16
.35	.37	.40	.42
.59	.61	.64.5	.66.5
.85	.87	.89	.91
4x12	end of Pipe for Flash tank	4.15	4.17
Entered	Entered	4.34	end of pipe for Flash tank
Entered	Entered		

Entered

North of C  
22 Street

22<sup>nd</sup> ✓  
South of C

W	E		
0.41	0.43	.365	.385
.66	.68	.625	.645
.905	.929	.89	.91
1x16	1x18	1.125	1.145
.395	.415	.385	.405
.67	.69	.625	.645
.905	.925	.88	.90
2x165	2x185	2.125	2.145
2x40	2x42	.88	.90
.67	.69	.625	.645
.915	.935	.89	.91
319 end of Pipe for Flush tank		316 end of Pipe	
B St. East to 15 <sup>th</sup>		B Street west to 14 <sup>th</sup>	
North South		North South	
0.41	0.43	0.375	0.395
.66	.68	.645	.665
.90	.92	.89	.91
1.145	1.165	1.125	1.145
.41	.43	.42	.44
.65	.67	.65	.67
.89.5	.91.5	.89	.91
2.16	2.18	2.145	2.165
		.40	.42
End of pipe cont to 15 <sup>th</sup> St Flush tank		end of Pipe in Flush tank B east of 14 <sup>th</sup> Street	

Entered

Entered

page 24

15<sup>th</sup> Street

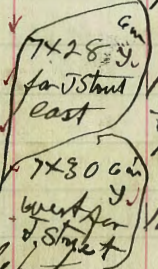
3

W	E	W	E
0x50	x52 ✓	6x15	6x17 ✓
.77	.79 ✓	.40	.42 ✓
1x05	1x07 ✓	.655	.675 ✓
.81	.83 ✓	.90	.92 ✓
.59	.61 ✓	7x09 end of Pipe on 15 <sup>th</sup> Street	
.85	.87 ✓		
2x11	2x13 ✓		
.38	.40 ✓		
.62	.64 ✓		
.86	.88 ✓		
3x11	3x13 ✓		
3x34		North of L. Street	
South side in Street		0x32	0x34 ✓
		.55	.57 ✓
4x17	4x19 ✓	.80	.82 ✓
.42	.44 ✓	1x05	1x07 ✓
.68	.70 ✓	.58	.53 ✓
.92	.94 ✓	.55	.57 ✓
5x16	5x18 ✓	.80	.82 ✓
.41	.43 ✓	1x05	1x07 ✓
.66	.68 ✓	.295	.315 ✓
.90	.92 ✓	.55	.57 ✓

Entered

15<sup>th</sup> Street

W	E	W	E
2x80	2x82 ✓	8x15	8x17 ✓
3x05	3x07 ✓	39.5	41.5 ✓
3x02	<del>3x04</del>	.64	.66 ✓
	<del>DK Street</del>	88.5	90.5 ✓
	3x50 6 in y	9x15	9x17 ✓
	East for K Street	39	41 ✓
4x10	4x12 ✓	.64	.66 ✓
.35	.37 ✓	90	92 ✓
.545	.615 ✓	10x14.5	10x16.5 ✓
.84	.86 ✓	39.5	41.5 ✓
5x10.5	5x12.5 ✓	64	66 ✓
.35	.37 ✓	10x10	6 in y East for I Street
.59.5	.61.5 ✓	11x12	" " y West for I Street
.83.5	85.5 ✓	11x70	2 ft South of north line of I Street
6x09.5	6x11.5 ✓	11x72	North line of I "
.34	.36 ✓	11x94.5	11x96.5 ✓
.59	.61 ✓	12x19	12x21 ✓
.85	.87 ✓	43.5	45.5 ✓
7x82	7x80 ✓	70	72 ✓
	For J Street to be put in		
7x90	7x92 ✓		



15<sup>th</sup> Street ✓ 9

W	E	W	E
12x94.5	12x96.5 ✓	13x20	13x22 ✓
13x20	13x22 ✓	.445	.465 ✓
44.5	46.5 ✓	.69	.71 ✓
69	71 ✓	95	97 ✓
95	97 ✓	14x20	14x22 ✓
14x20	14x22 ✓	14x45	14x47 ✓
45	47 ✓		25 ft back of Prop. line
	25 ft back of Prop. line		
14x94.5	4 in y for H Street	14x94.5	14x96.5 ✓
22 1/2 ft North of So. line of H	2 - 4 in y for H St		
14.965	7 in y for H Street	22 1/2 ft North of So. line of H Street	
24 1/2 ft North of So. line of H	24 1/2 ft North of So. line of H Street		
14x75.6	27 ft So. of North line of H Street	15x39	15x41 ✓
15x39	27 ft So. of North line of H Street	4 in y	4 in y
15x41	31 ft So. of north line of H Street	29 ft So. of north line of H Street	29 ft So. of north line of H Street
15x70	15x72 Prop. line	15x70	15.72 Prop. line
94	96 ✓	94	96 ✓
16x19	16x21 ✓	16x19	16x21 ✓
43.5	45.5 ✓	43.5	45.5 ✓
.70	.72 ✓	.70	.72 ✓
94.5	96.5 ✓	95	97 ✓

15 Street

W	E	W	E
17x20	17x22	23.88	23.90
43.5	45.3	24.375	24.395
70	72	88	90
94.5	96.5	25x39	25x41
18x18.5	18x20.5	88.5	90.5
43.5	45.5	end of 10 in pipe	
18x97	6 in y for 9. Street	in Manhole on	
18x99	6 in y " " west	E. Street	
19x59	19x61	See Page 22	
84	86	<u>Entered</u>	
20x08	20x10	15 <sup>th</sup> Street East	
32.5	34.5	15 <sup>th</sup> St	
58.5	60.5	Begin at Stator	
82.5	84.5	No. So.	
22x10	22x12	0x41	0x43
33	35	59.5	61.5
22x78	6 in y for F St east	85	87
22x78	6 in y for F St west	1x10	1x12
		35	37
		59	61
23.39	23.41	84	86
	Prop line of F St.	2x05	2x07

2141

8 in pipe

16<sup>th</sup> Street II, Street

W	E	W	E
2x99	3x01	4 in y	710 So
		From 16 to 17 <sup>th</sup>	
		on 16 <sup>th</sup> Street	Begin at Stator
		25 ft no of ch	8 in Pipe
		no line of 8 <sup>th</sup>	0x38
		up 16 <sup>th</sup> St	0x40
3x24	3x26	63	65
49	51	88	90
74.5	76.5	1x12.5	1x14.5
97.5	99.5	37.5	39.5
4x23.5	4x25.5	63	65
49	51	88	90
74	76	2x08 Inspector Dist	
97	99	33 ft west of 17 <sup>th</sup> St.	
5x22.5	5x24.5	2x28.5	6 in y so
49	51	for 17 <sup>th</sup> Street	
5.76	Inspect	2.94	2.96
	0 So line of II	line 17 <sup>th</sup> Street	
	5x94 8x94 10x94	3x19	3x21
	5x96 end of 8 in	45	47
	pipe on 16 <sup>th</sup> St at II	70	72
	<u>Entered</u>	95	97
		4x19	4x21
		43.5	45.5





16<sup>th</sup> Street

W	E	# Error	W	E
0x53	0x55	✓	7x18	7x20
1x78	80	✓	7x42.5	
1x03	1x05	✓	O inspection	
.28	.30	✓	8x22	8x24
.53	.55	✓	.46	.48
.78	.80	✓	.72	.74
3x04	3x06	✓	.96.5	.98.5
.29	.31	✓	9x21	9x23
3x55		✓	.47	.49
0.1 ft south of Prop line or R			.72	.74
4x42	4x44	✓	.98	10x00
.67	.69	✓	10x23	x25
.92	.94	✓	.47	.49
5x17	5x19	✓	.72.5	.74.5
.42	.44	✓	.96	.98
.67	.69	✓	11x22	
.92	.94	✓	O inspection	
6x17		✓	1 ft south of Prop line on S Street	
.41	.43	✓	12x02	12x04
.67	.69	✓	.27	.29
.91	.93	✓	.53	.55

O Inspection

16

W	E	W	E
12x78	12x80	2x14	2x16
13x01	13x03	.39.5	.41.5
.28	.30	.64.5	.66.5
.51	.53	.89	.91
.76	.78	3x14.5	3x16.5
14x01.5	14x03.5	.39.5	.41.5
.28	.30	.64	.66
.51	.53	4x01 Inspection	
.77	.79	O	
15x03		4x79	4x81
of H Street		5x05	5x07
15x12 is a		.29.5	.31.5
S branch Y		.56	.58
16+02 = Sta 0 on H Street		.79	.81
Continuation of 16 <sup>th</sup>		6x06	6x08
North of H		.29	.31
0x89.5	791.5	.55	.57
1x14.5	1216.5	.79.5	.81.5
.39	.41	7x05	7x07
.64	.66	.30	.32
.89	.91	.55	.57

O south line of H Street  
15x12 is a S branch Y  
16+02 = Sta 0 on H Street

18 ✓

17<sup>th</sup> Street North  
of C ✓

W	E	W	E
7X81		70X19	West for C 6" Y
O south line of		0X815	0X835
H Street		1X075	1X095
8X59	8X61	.52	.54
.85	.87	.575	.595
9X09	9X11	.82	.84
.35	.37	2.08	2.10
.60	.62	.33	.35
.795	.815	.57	.59
10X09	10X11	.83	.85
.355	.375	3X07	3X09
.59	.61	.33	.35
.84	.86	.57	.59
11X10 end of pipe		3X85	Inspect so line B
on 16 <sup>th</sup> Street running north		4X03	6 in Y West for B
<u>Entered</u>		4X61.5	4X63.5
		.88	.90
		5X12	5X14
		.38	.40
		.62	.64
7X61 6 in Y for A Street		.865	.885
7X63 " " " " East		6X12	6X14
7X66 end of pipe		.365	.385
<u>Entered</u>		.63	.65
		.88	.90
		7X13	7X15
		.36	.38

18

H Street  
East from 16<sup>th</sup>

North	South		
8 in Pipe Begin		Sta. 0 = 35' E of E. Line 16 <sup>th</sup>	
at station on 16 <sup>th</sup>			
0X49	0X51	8.15	8.13
99	1X01	.66	.64
1X29	1X31	9.14	.12
1X68	Inspector	43	.41
0 17 <sup>th</sup>		1051	Inspector
2X50	2X52	0	
3X00	3X02	10.64	10.62
.50	.52	10.845	6 in Y for
.99	4X01	19 <sup>th</sup> Street 35 ft	
4X15	4X17	north of Prop. line	
4X46	Inspector	of J Street	
5X23	5X25	North South	
73	75	11.36	11.38
6X23	6X25	.91	.93
74	76	12.41	12.43
6X90	Inspector	.90	.92
7X15	6 in Y north for	13.16	6X8 Y Y
19 <sup>th</sup> Street North		North for 20 <sup>th</sup> St	
		13.18	6X8 Y South
		for 20 <sup>th</sup> Street	
		see page 19	

18 ~~Street~~ ✓  
 from 16' to 17'  
 North of D

W	E	W	E
Beginning at the			
South line of II		11x59	11x61
With 6 in Pipe		84	86
5796. Rancier		12x07.5	12x09.5
6x53. 6x55.		84	86
77.5 81.5		58.5	60.5
7x04 7x06		83.	85.
28 30	13x09	13x11	Inspection
54 56	13x06	So line B Street	
78 80			
8x04 8x06		1354	6 in V west
28 30			for B. Street
54 56		1485.5	14.15.5
78 80		37.5	39.5
9.02.5 9.04.5		63.5	65.5
29 31		88	90
9.56 Inspection		15.14	15.16
○ South line C Street		38	40
		64	66
10.82.5, 10.84.5		87	89
58.5 60.5		16.14	16.16
82.5 84.5		38.5	40.5
11x09 11x11		64	66
33 35			

2 1/2 in 6 in -  
 2 1/2 in 6 in -  
 2 1/2 in 6 in -

AD  
 ✓ 9 Street east  
 from 19<sup>th</sup> St

W	E	No	South
16x88	16x90	13x31	Inspection
		0	20 <sup>th</sup> Street
17x11.5	6 in V	14.05	14.07
	West for A Street	56	58
17x13.5	6 in V east	15.05	15.07
	for A St.	53	55
17x16	end of on	15.73	6 in V North
16 <sup>th</sup> Street.			for 21 <sup>st</sup> St
		15.75	6 in V South
			for 21 <sup>st</sup> Street
		15.76	end of pipe
			<u>Entered</u>
0x62	0x64		
87	89		
1x11	1x13		
87	89		
60.5	62.5		
87	89		
2x11	2x13		
37	39		
61	63		
87	89		
3x11	3x13		
37	39		
3x67	end of Pipe		
	North line of C Street		
	in S. Street		
			<u>Entered</u>

20 ✓

# Curb 17<sup>th</sup> Street

W	E	U	W	E
From South Side of H Street				
			6x20.5	6x22.5
0x97	x99		6x45.3	x47.5
1x17	1x19		71	73
x42	x44		95	97
x67.5	x69.5		7x20.5	x22.5
x91.5	x93.5		x.44.5	46.5 is 25 1/2 feet from North line of J Street.
2x17.5	2x19.5		7x70	is end of pipe on 17 <sup>th</sup> Street
42	44		<u>Entered</u>	
66	68		Continuation of 17 Street west 42 rods	
92	94		Pipe <u>Entered</u> as in North of H	
3x17	3x19		0x81	0x83
x40.5	x42.5		1.06	1.08
67	69		30.5	32.5
3x79 Inspection 15 ft north of north line of J Street				
4x71	4x73	is south line of J Street	57	59
4x97.5	4x99.5		81	83
5x21.5	5x23.5		2.07	2.09
46	48			
70	72			
96	98			

# 17<sup>th</sup> Street North of H

10- ✓

W	E	W	E
2x32	2x34		
56	58	8x53	8x55
82	84	76.5	78.5
3 07	3.09	9 01.5	9.03.5
31	33	28	30
56	58	52	54
82	84	78	80
3 95 Inspection so line of J		10 0.3	10.05
4.13 - 6 in J east.		27	29
4.73	4.75	57.5	58.5
98	5.00	77.5	79.5
5.23	x25	11 02	11.04
48	50	x28	x30
72.5	74.5	x55 end of Pipe for Filbeck Tank	
98	6x00	E Street	
<u>Entered</u>			
6x23	25		
47	49		
78	75		
97	99		
7 23	72.5		
48	50		
7x75 Inspection so line of H Street			

2<sup>nd</sup> north  
 ✓ 15<sup>th</sup> Street

W	E	W	E
see page 18			
27.17.5	27.19.5	32X23	32X25
.44	.46	.475	.495
.68	.70	.74	.76
.94	.96	.98	33.00
28.18	28.20	33.24	33.26
.44	.46	.48	.50
.68	.70	.73	.75
.94	.96	34.01	Inspection
29.19	29.21	30 line	to Sta
.43	.45	34.18	6 in Y west
.675	.695	for C Street	
.94	.96	34.79	34.81
30.21	Inspection Saline	35.025	35.045
O B Street		.29	.31
30.39	6 in Y west	.53	.55
for D St.		.775	.795
30.965	30.985	36.04	36.06
31.24	31.26	.29	.31
.49	.51	.53	.55
.725	.745	.775	.795
.99	32.01	37.035	37.055

✓ 15<sup>th</sup> St  
 ✓ C St west  
 from 15<sup>th</sup> St #1

W	E	South	No.
37.27.5	37.29.5	0x38	0x40
.53.5	.55.5	.64	.66
37.81	Inspection South	.885	.905
O line B St		1x15	1x17
37.99	6 in Y west for	.39	.41
B Street		.65	.67
38.58	38.60	.90	.92
.84	.86	2x14	2x16
39.08	39.10	end of Pip. 7 look by	
.34	.36	<u>Entered</u>	
.58	.60	C Street from	
.84	.86	14 to 15 <sup>th</sup>	
40x08	40x10	No	So
.34	.36	042	042
.58	.60	635	65.5
.84	.86	885	90.5
41.08	41.10	115	117
41.34	6 in Y west for	40	42
41x36	end of pipe	64	66
on 15 <sup>th</sup> Street		90	92
Flush tank		2.145	2.165
<u>Entered</u>	May 10 <sup>th</sup> 1868	37	39
		242	end of pipe
		<u>Entered</u>	

14<sup>th</sup> B Street East  
from 14<sup>th</sup> to 15<sup>th</sup>

13<sup>th</sup> Street West  
from 14<sup>th</sup> to 13<sup>th</sup>

No	So		So	No
0x41	0x43	2.14 <sup>th</sup>	0x405	0x425
.66	.68		.65	.67
.90	.92		.89	.91
1x14.5	1x16.5		1.14.5	1.16.5
.41	.43		.39	.41
.65	.67		.65	.67
.89.5	.91.5		.89	.91
2.16	2x18		2.13.5	2.15.5
End of Pipe on B from 14 <sup>th</sup> to 15 <sup>th</sup>			2x42 Inspector	
<u>Entered</u>			East side of 13 <sup>th</sup>	
B Street West			2x60 bin Y South	
From 15 <sup>th</sup> to 14 <sup>th</sup>			for S St	
So	North		2x62 bin Y North	
0x37.5	0x39.5		for S Street	
.64.5	.66.5		<u>Entered</u>	
.89	.91		✓	
1.15	1.17			
.40	.42			
.65	.67			
.89	.91			
2.14.5	2.16.5			
.40	.42			

End of pipe in Filbert tank ✓  
B Street East 14<sup>th</sup>  
Entered

13<sup>th</sup> Street West  
From 14<sup>th</sup> to 15<sup>th</sup>

12<sup>th</sup> Street East  
15 to 14<sup>th</sup> St

No	So		South	North
039	041	2.14 <sup>th</sup>	039	041
.64	.66		.63.5	.65.5
.88	.90		.90	.92
1.14	1.16		1.14.5	1.16.5
.88.5	.90.5		.40	.42
.63.5	.65.5		.64.5	.66.5
.89	.91		.88.5	.90.5
2.14	2.16		2.15	2.17
.37.5	.39.5		.39.5	.41.5
.64	.64		.65	.67
.88.5	.90.5		.90	.92
3.12.5	3.14.5		3.14	3.16
.39	.41		.40	.42
.63	.65		.64	.66
.89	.91		.90	.92
4.13.5	4.15.5		4.15	4.17
.35	.37		.38	.40

4x41 End of pipe for Filbert tank  
Entered

4x42 end of pipe east line 14<sup>th</sup> Street  
Entered ✓

Note that this begins from bottom of page of 8<sup>th</sup> Street

W	E	J Street	
From H Street South		from 15 <sup>th</sup> to 14 <sup>th</sup> South North	
<del>2x88</del>	<del>2x86</del>	044	046
<del>1x</del>	<del>1x17</del>	675	695
x92	x90	94	96
x68	x66	119	121
x43	x41	48	45
5x18	5x16	69	71
x93	x91	94	96
4x68	4x66	218	220
3x86 Inspection			
2x0 out (incorrect)			
x63	x61		
x39	x37		
2x13	2x11	7x67	end of Pelican
.87.5	.85.9	.43	.41
.63.5	.67.5	7x17	7x15
8x	8x45	92.5	90.5
x35	1x33	68	.66
1x13	1x11	42	.40
0x88	0x86	1x18	1x16

61 63  
87 89  
311 313  
286 288

✓ 18<sup>th</sup> Street

W	E	W	E
North of H Street			
0x92	0x94	6x28.5	6x30.5
1x24	1x26	54	5.6
.48.5	.50.5	78	80
74.5	76.5	7x04	7x06
99	2x01	29	31
2x23	2x25	53.5	55.5
49	51	7x79	Inspector
73	75	0	H Street
99	3x01	7x98	6 in y for
3x23	x25		H Street
49	51	8x00	6 in y for
73	75		H Street West
4x00	Inspector	8x58	8x60
4x17	6x6 y	83	85
running east of H		9x07	9x09
4x79	4x81	315	335
5x04	5x06	58	.60
.29	.31	83	85
54	56	10x07.5	10x09.5
78	80	32.5	34.5
6x04	6x06	57	59
		83	85



✓ 18<sup>th</sup> Street ✓

W	E	W	E
11x08	11x10	north of N Street	
.33	.35	+ 80' PROPLINE	
12.37	12.39	W	E
.62	.64	0x46	0x48
.87	.89	.71	.73
13.13	13.15	955	975
.37	.39	120	122
.63	.65	.46	.48
.88	.90	.70	.72
14.13.5	14.15.5	94.5	96.5
.37	.39	2.21	2.23
.63	.65	.45	.47
.88	.90	.71	.73
15.15	end of in	95.5	97.5
	Flank Tank.	3.21	3.23
	<u>Entered</u> Apr. 7	3.48	Inspect
		So line of M Sta.	
		4.25.5	4.27.5
		.51	.53
		.75.5	.77.5
		50.0.5	50.2.5
		.26	.28

✓ 18<sup>th</sup> Street ✓ 14  
north of N Sta

W	E	W	E
5x50.5	5x52.5	11.08	Inspector
.75	.77	So line of K	
6.00	6.02	11.25.5 G in Y cart	
.25.5	.27.5	for K Street.	
.51	.53	11.86	11.88
.76	.78	12.10.5	12.12.5
7.00	7.02	.36	.38
7.28	So line of L Sta.	60	62
	Inspection	86	88
7x46	G in Y Cart for L	13.10	13.12
8.05	8.07	.36	.38
.31	.33	.60.5	.62.5
.55.5	.57.5	.86	.88
.80	.82	14.11	14.13
9.06	9.08	.35	.37
.30	.32	.61	.63
.54	.56	14.88 end of	
.81	.83	pipe So line of	
10.05	10.07	J. Street.	
.31	.33	<u>Entered</u>	
.55	.57		
.81	.83		

✓ 19<sup>th</sup> Street.

North from N

W	E	W	E
0x40	0x42	6.43	6.45
.65	.67	.69	.71
.895	.915	.93	.95
1x15	1x17	7.22	Inspector
.395	.415	So line of S St	
.64	.66	8.00	8.02
.90	.92	.24	.26
2.14.5	2.16.5	.49	.51
.40	.42	.75	.77
.64.5	.66.5	.99	9.01
.90	.92	9.23.5	25.5
3.15	3.17	.50	.52
3.42	Inspector May 1978	.74	.76
So line of M Street		.985	10.005
4.18	4.20	10.25	.27
.44	.46	.49	.51
.69	.71	.74	.76
.945	.965	11.02	Inspector
5.19	5.21	30 line N St	
.45	.47	11.22	6 in Y east
.69	.71	for R St	
.93	.95	11.79	11.81
6.19	6.21		

✓ 19<sup>th</sup>

W	E	W	E
12.05	12.07	17x59	17x61
.29	.31	.85	.87
.53	.55	18.10	18.12
.795	.815	.345	.365
13.04	13.06	18.61 end of pipe so line of S Street	
.30	.32	Flush tank	
.54	.56	<u>Entered</u>	
.78	.80		
14.05	14.07		
.28	.30		
.545	.56.5		
14.82	Inspector		
So line of Street			
15x00	6 in Y east for J		
15.60	15.62		
.845	.86.5		
16.08.5	16.10.5		
.345	.36.5		
.585	.605		
.85	.87		
17.09	17.11		
.35	.37		

✓ 19<sup>th</sup> Street ✓

W	E	W	E
South from C 0+42 on line of C.		North from H. Str	
0.59 0.41		W E	
66 68		0x745 0x765	
90 92		1x00 1x02	
1x15 1x17		245 265	
41 43		485 505	
65 67		75 77	
91 93		99 1x01	
2x16 2x18		2.25 2x27	
40 42		495 515	
66 68		74 76	
89.5 91.5		3x00 3.02	
3x14.5 3.165		24 26	
3x44 end of		50 52	
Pipe on 19 <sup>th</sup> Street		3x86 Inspector 30	
Entered May 19 <sup>th</sup> 58		line of S St	
<u>Entered</u>	<u>Entered</u>	4x085 Curly East	
		4x64 4x66 for S	
		885 905	
		5x14 5x16	
		38 40	
		63 65	

19<sup>th</sup> St North  
from H Street

W	E	W	E
588.5	590.5	11x64. Curly East	
617.5	614.5	12x23	12x25
39	41	49	51
63	65	78.5	75.5
89	91	98	13x06
713.5	715.5	13.23.5	x25.5
38	40	48	50
67 Inspector Solem of H St		74	76
x84.5 Curly East for "		99	14.01
843.5	845.5	14.23	25
67.5	69.5	49	51
93.5	95.5	74	76
917.5	919.5	98	15.00
43.5	45.5	15.26* end of	
68.5	70.5	Pipe for Flue tank	
94	96	Solem of S St	
1019	1021	<u>Entered</u>	
485	455		
68	70		
92.5	94.5		
1118.5	1120.5		
1146 Inspector Solem of S St.			

North 20<sup>th</sup> Street from N

47

W	E	W	E
		6x20.5	6x22.5
041	043	46	48
65	67	70.5	72.5
91	93	95	97
1.15	1.17	7x21 Inspector 30	
41	43	line L Street	
66	68	7.39 - 6 in Year	
90	92	for L St	
2.15.5	2.17.5	7x98	8x00
40	42	8x24	8x26
66	68	49	51
91	93	73	75
316	318	99	9.01
3x43	Inspector 30	9 24	9.26
line M Street		48.5	50.5
4x21	4.23	72.5	74.5
46	48	99	10.01
70	72	10.23	x.25
96	98	49	51
5-25	5x27	74	76
45	47	11.03 Inspector	
70	72	So line R. St	
96	98		

North from 20<sup>th</sup> Street ✓  
North from 22<sup>nd</sup> St ✓

W	E	W	E
11.21	11.21		
11.81	11.83	85	87
12.06	12.08	110	1.12
3.05	3.25	34	36
5.45	5.65	60	62
80.5	82.5	835	855
130.6	130.8	2.09	2.11
.31	.33	.35	.37
.555	.575	.595	.615
80	82	84	86
140.4	140.8	3.10	3.12
3.05	3.25	34	36
56	58	3.65	3.65
14.85	14.85	3.88	3.88
		4.63	4.65
		.88	.90
		5.18	5.15
		.37	.39
		.63	.65
		.87	.89
		6.13	6.15

Entered

North from 9 to 7 ✓

W	E
6737.5	6739.5
63	65
88	90
7.12	7.14
38	40
7.77	7.77
7.95	7.95
8.545	8.565
80	82
9.05	9.07
2.95	3.15
54	56
80	82
10.05	10.07
30	32
55	57
7.95	8.15
11.085	11.055
32	34
11.54	11.54
11.56	11.56

20<sup>th</sup> South from 9 to 7 <sup>18</sup>

E	W
0.575	0.595
85	87
1.08	1.10
33	35
575	575
83	85
2.075	2.095
33	35
58	60
825	845
3.08	3.10
33	35
3X60	end
of Pph for	Flush tank
<u>Entered</u>	

Entered

11.54 6 in Y East for 7  
11.56 end of Pph for  
Flush tank Entered

20<sup>th</sup> ✓  
South of C

E	W
0x38	0x40
.64	.66
.88	.90
1.14	1.16
.385	.405
.63	.65
.89	.91
2.125	2.145
.39	.41
.635	.655
.88	.90
3.14	3.16
3x41	Inspector <sup>with</sup> <del>to</del>
line of Street	
3.57	6m Y East
3x59	6m Y West
fr Street	
4.185	4.205
.44	.46
.69	.71
.93	.95

E	W
5.19	5.21
.43	.45
.675	.695
.94	.96
6.185	6.205
.44	.46
.69	.71
.935	.955
7x21	Inspector
no line of E Street	
7.39	6m Y east for E
7.99	8.01
8.23	8.25
.475	.495
.74	.76
.98	9x00
9x24	.26
.49	.51
.735	.755
.975	.995
10.24	10.26
.49	.51

20<sup>th</sup> Street ✓  
South of C

19

E	W
10.74	10.76
11x00	4m Y
for Mr Buck	
11.02	end of
Pep. Alurhork	
<u>Entered</u>	

North of N.M.

21<sup>st</sup> Street

W	E	W	E
0.39	0.41	5.44	5.46
.62	.64	.68	.70
.88	.90	.925	.945
1X12.5	1.14.5	6X19	6X21
.38	.40	.435	.455
.625	.645	.67	.68
.885	.905	.935	.955
2.12.5	2.14.5	7X21 Inspector	
.37	.39	0 So line L Street	
.63	.65	7X98	8X00
.87	.89	.23	.25
3.12	3.14	.49	.51
3.41 Inspector		.74	.76
0 So turn M Street		.98	9X00
3.59	6 in V East	9X22.5	X24.5
for M Street		.49	.51
4.18	4.20	.74	.76
.42.5	.44.5	.98	10X00
.69	.71	10X24	X26
.935	.955	.485	.50.5
5.17.5	5.19.5	.74	.76
		11X01	Inspector South
		0	line K Street

North N.M.

21<sup>st</sup> Street

20

W	E	W	E
11X19	6 in V East for K. Street	J Street East from 22 to 24 <sup>th</sup>	
11X77	11X79	No	50 (Street)
12.03	12X05	0.39	0.41
.28	.30	.64	.66
.52	.54	.90	.92
.79	.81	1.145	1.165
13.03	13.05	.39	.41
.28	.30	.65	.67
.53.5	.55.5	.895	.915
.78	.80	2.14	2.16
14.02.5	14.04.5	.40	.42
.27	.29	.645	.665
.49	.51	.89	.91
14.56 end of pipe in flush tank		3.15	3.17
<u>Entered</u> April		.40	.42
		.64	.66
		.90	.92
		4.15	4.17
		4.4 end of pipe for flush tank	
		west side of	
		<u>Entered</u>	

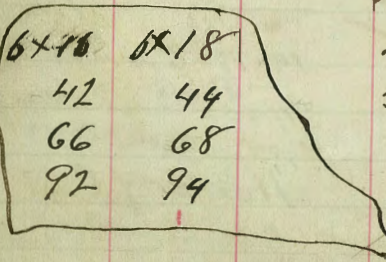
✓ 21<sup>st</sup> South of C ✓ 21

W	E		W	E
0x40	0x42		6x45	6x47
65	67		69	71
89	91		95	97
1x15	1x17		7x22	Inspection
40	42		0 north line of E	
64	66		7.89.5	6 in East
90	92		for E Street	
2.14	2.16		7.99.5	8.01.5
40	42	Entered May 11	8.25	27
64	66		.49	.51
90	92		.735	.755
3x14	3x16		.995	9x01.5
3.42	Inspection		9x24	9x26
0 north line of E St			.50	52
3x60	6 in East		74	76
4x20	4x22		10x00	10x02
45	47		285	255
69	71		495	515
94	96		75	77
5x18.5	5x20.5		10x98	6 in East
45	47		for E St	
+69	+71		11x02	end of Pipe
95	97		Entered	
6x19	6x21	Entered May 11	North of C	
			8x38.5	0x40.5
			.66	.68
			.91	.93



✓ 21<sup>st</sup> Street North of C contd  
 ✓ 21<sup>st</sup> Street North from I to J

W	E	W	E
1x15	1x17	0.865	0.885
.395	.415	1.12	1.14
.66	.68	365	385
.91	.93	62	64
2.15	2.17	89	89
.41	.43	212	214
.66	.68	36	38
.905	.925	62	64
3x15	3x17	87	89
3x40.5 - 6 in Y		311	313
East for B Street		37	39
3x43 end of pipe		615	635
<u>Entered</u> 688		394	Inspector
			So line of H Street
		421	6 in Y east
6x40	6x18	492	494
42	44	517	519
66	68	42	44
92	94	665	685
		92	94
		717	719



✓ 21<sup>st</sup> Street North from I Street  
 21<sup>st</sup> Street South from I 22

W	E	E	W
7x42	7x44	0.585	0.605
67	69	825	845
8x06	Inspector So line	1x07	1.09
of H Street		33	35
8x24 - 6 in Y east for G		57	59
<u>Entered</u> 884	<u>Entered</u> 886	83	85
9x09	9x11	2.075	2.095
34	36	33	35
59	61	58	60
84	86	82	84
10.9	10.11	3.08	3.10
34	36	33	35
585	605		
83	85		
11.09	11.11		
335	35.5		
58	60		
11x85* end of pipe South			
line of H St flush tank			
<u>Entered</u>			

3x60\* end of pipe  
 for flush tank  
 So line of J  
Entered

8<sup>th</sup> Pl. N to 6  
 22<sup>nd</sup> Street N to N

W	E	W	E
Began at 0		6x175	6x195
0.37	0.39	41.5	43.5
.625	.645	.675	.695
.86	.88	.915	.935
1x10	1x12	7x20 Inspector	
.36	.38	0 South line I Street	
.61	.63	7x38 6 in Y West	
.85	.87	for I Street	
2x11.5	2x13.5	7.97	7.99
.36	.38	8.225	8.245
.61	.63	.46	.48
.85.5	.87.5	.71	.73
3x12	3x14	.955	.975
3x40 Inspector So		9x21	9x23
0 line of M Street		47	49
4x16.5	4x18.5	71	73
.41	.43	96	98
.67	.69	10.215	10.235
.91	.93	47.5	49.5
5.17	5.19	.71	.73
.42	.44	11x00 Inspector	
.665	.685	0 South line K. Str	
.91	.93	11.77	11.79

N to N 22<sup>nd</sup> Str

23

W	E	W	E
12.015	12.035	1756	1758
.275	.295	82	84
.52	.54	1806.5	1808.5
.77	.79	.325	.345
13.01	13.03	1860 Inspector	
.275	.295	0 line of J Str	
.525	.545	1878 6 in Y East for D	
.775	.795	19.37	19.39
14.02	14.04	.615	.635
.28	.30	.86	.88
.52	.54	20.125	20.145
1486 Inspector		.365	.385
0 line of J Street		.61	.63
1498 6 in Y West for J		.875	.895
15.57	15.59	21.11	21.24
.83	.85	.37	.39
16.075	16.095	.625	.645
.31	.33	.86	.88
.56	.58	22x11	22x13
.82	.84	22x47 Inspector	
17.06	17.08	0 30 line H Street	
.32	.34	22x70 6 in Y East	
		for H Street	

22<sup>m</sup> Streets

W	E	W	E
23.43	23.45	28.115	28.135
.69	.71	.875	.895
.955	.955	.625	.645
24.18	24.20	.87	.89
.445	.465	29.125	29.145
.69	.71	.38	.40
.935	.955	.05	.685
25.20	25.22	.88	.90
.445	.465	30x125	30x145
.685	.705	30x40 Inspector	
.945	.965	So line of H Street	
26.185	26.205	31.175	31.195
26.60	Inspector	.415	.435
South line of Str.		.68	.70
26.78	6 in I for G	.87	.89
Street east		32.165	32.185
26x80 reducer		.425	.445
8 to 6 in pipe		.68	.70
27.38	27.40	.925	.945
.63	.65	33.18	33.20
.87	.89	.425	.445

22<sup>m</sup>

H Street from  
22 to 24  
24 to 22<sup>m</sup> Str 24

W	E	North	South
33.67	33.69		
.925	.945	0.405	0.425
34x20 Inspector So.		.65	.67
line of E Str.		.89	.91
34.99	35.01	1x15	1x17
35.215	.235	.39	.41
.475	.495	.65	.67
.715	.735	.895	.915
.975	.995	2.135	2.155
36.215	36.235	.395	.415
.455	.475	.64	.66
.72	.74	.90	.92
.97	.99	3.14	3.16
37.23	37.25	.40	.42
.475	.495	.64	.66
.73	.75	.90	.92
38.00	end of pipe on	4.14	4.16
III Street		4x44	end of pipe
Entered May 16.88		for Flushtank	
		<u>Entered</u>	

✓ 23<sup>rd</sup> North of G

W	E	W	E
48 Street from		3x14	3x16
22 <sup>nd</sup> to 23 <sup>rd</sup> Streets		39	41
0.42	.44	3x67 Inspection	
.68	.70	so line of G Street	
.92	.94	4x44	4x46
1.18	1.20	.685	.705
.41	.43	.92	.94
.68	.70	5.185	5.205
.93	.95	.42	.44
2x19 Inspection		.685	.705
West line of G		.93	.95
22 <sup>nd</sup> end of 23 <sup>rd</sup> on G		6.19	6x21
<u>Entered</u> 11.88		.43	.45
		.67	.69
North of G		.93	.95
0x62	0x64	7x19	7x21
.88	.90	7x46 Inspection so	
1x14	1x16	line E Street	
.385	.405	8.225	8.245
.64	.66	8.34	Begin wooden Box
.885	.905	8.505	8.485
2x13.5	2x15.5	.745	.725
.39	.41	8.98.0	end of Box
.67	.64	8.96.5	8.98.5
.885	.905		

23<sup>rd</sup> no of G

W	E	W	E
9x22.5	9x24.5	15x84	15x86
.48	.50	16.07.5	16x09.5
.72	.74	.34	.36
.98	10.00	.57	.59
10.12.5	x24.5	.83.5	.85.5
.48	.50	17.07.5	17.09.5
.72	.74	.34	.36
.97.5	.99.5	.58	.60
11x26 Inspection		.84	.86
0 so line III		18.08.5	18.00.5
12.02.5	12.04.5	.33	.35
.27.5	.29.5	18x60	End of
.54	.56	Pipe on 23 <sup>rd</sup> St	
.77.5	.79.5	<u>Entered</u> 7 May 11, '88	
13.03.5	13.05.5		
.27.5	.29.5		
.53	.55		
.77	.79		
14x04	14x06		
.27	.29		
.53.5	.55.5		
.78	.80		
15.06	Inspect so line		
0 of G Street			

Main Sewer  
H. Street.

North	South	W	E
Rejoan St 0+12 Manhole No 80 0 west side Atlantic		15.29	15.55
0x96	0x98	15.805	16.05
1x97	1x98	16.295	16.535
3x18	6 in Y north for Cary Street	.80	
3x71.5	3x73.5	17x05	Manhole
4x73	4x75	17x19	24x12.5
5.91	6 in Y north for St Carter	on State Street	
6x47	6.49	9 Street east	
7x46	7x48	from State	
8x47.5	Manhole 85	No	So
	India Street	17.84	17.86
9x24	9x26	18x36	18x38
10x23	10x25	18x62.5	
11385	6 in Y North for Columbia	.85	.87
	6 in Y South for Columbia	19.13	19.37
11x40.5		.59.5	.61.5
12.26	12.28	20x07	6 in Y North
.975	.995		for Union Street
1380	Manhole State St	20x61.5	20x63.5
14.55	Prop. l.m. State St	21x60	21x62
	14.57	22.84	6 in Y for
14.785	15.05		Front Street north

Main Sewer  
H Street

26

No	So	W	E
2286	6 in Y for	34x79	35.12
	Front Street South	39	64
2349	23.51	88	36.13
2448.5	24.50.5	36.37	36.64
25.33	Manhole	36.89	37.14
W	E		
26x00	26x3.6	37.37	
53	78	37x44	Manhole
27.03	27.28		
54	78	North	South
2804	28.29	39.25	39.27
55		40.38	6x24 Y
28x67	Manhole	North for H <sup>th</sup> Street	
	28x90.5	40x40	6x24 South
30	30	for H <sup>th</sup> Street	
30x51	30.53.5	41x57	42x06
31x68	6 in Y for	42x31	42x56.5
	North	43x24.5	8x24 Y
33x86	33.35	North for 5 <sup>th</sup> Street	
38x96	Manhole	43x26.5	6x24 Y
34x27	6x24 Y	South for 5 <sup>th</sup> Street	
	3c street		

Main Line  
K Str from 5<sup>th</sup>

North	South	North	South
		Prop. Line or L Str. 44492	
44.49	44.47	49.95	49.91
45.145	45.125	50x18.	50x41
45.82	8 in Y north	50.66	.93
	for 6 <sup>th</sup> street.	51.125	51.41.
45.96	6 in Y for	.66.	
	K. Street east	52.10	6 in Y north
	Sixth Street		for 7 <sup>th</sup> street
W	E	52.12	6 in Y south
46.36	46.38.		for 7 <sup>th</sup> street
.595	.615.	52.20	52.72.
84	86.	53.695	53.715
47.08	47.10.	54.90	Manhole
35	37.		8 <sup>th</sup> Street
	62.	55.50	55.52
85	87.	56.50	56.52
48.10	48.12.	57.70	6 in Y. north
345	365.		for 9 <sup>th</sup> street
58	60.	58.30	58.32.
845	865.	59.30	59.32.
49.095	49.115.	60.60	60.62.
49.49	6 in Y south	61.095	61.115.
	for 6 <sup>th</sup> Street		

Main Line 27  
L Street

No	So	No	So
62x10	62x12	71x60 = 6x18 Y	
62.605	62.625	north for 14 <sup>th</sup> Street	
63.29	6 in Y for	72x12	73x13
11 <sup>th</sup> Street north		74x13	
63.90	63.92	75x87	75x13
64.39	64.41	76x34 = 10x18 Y for	
.885	.905	Fifteenth Street north	
<del>55.</del>	65.42.	76x43 Manhole	
66.095	6 in Y for	78x58 Flash tank	
12 <sup>th</sup> Street north		16 <sup>th</sup> Street	
66.195	Manhole	end of 18 inch pipe.	
end of 24 in pipe			
Continuation with			
18 inch pipe			
67x63			
68.79 = 6x18 Y for			
13 <sup>th</sup> Street north			
70x37	70x39		
X			
71x13 Inspector			
2 10x18 Y			

This is 12" Pipe  
from 76+43  
to 78+58 Flash  
tank. S.C.M.

17<sup>th</sup> Street  
North of M

28

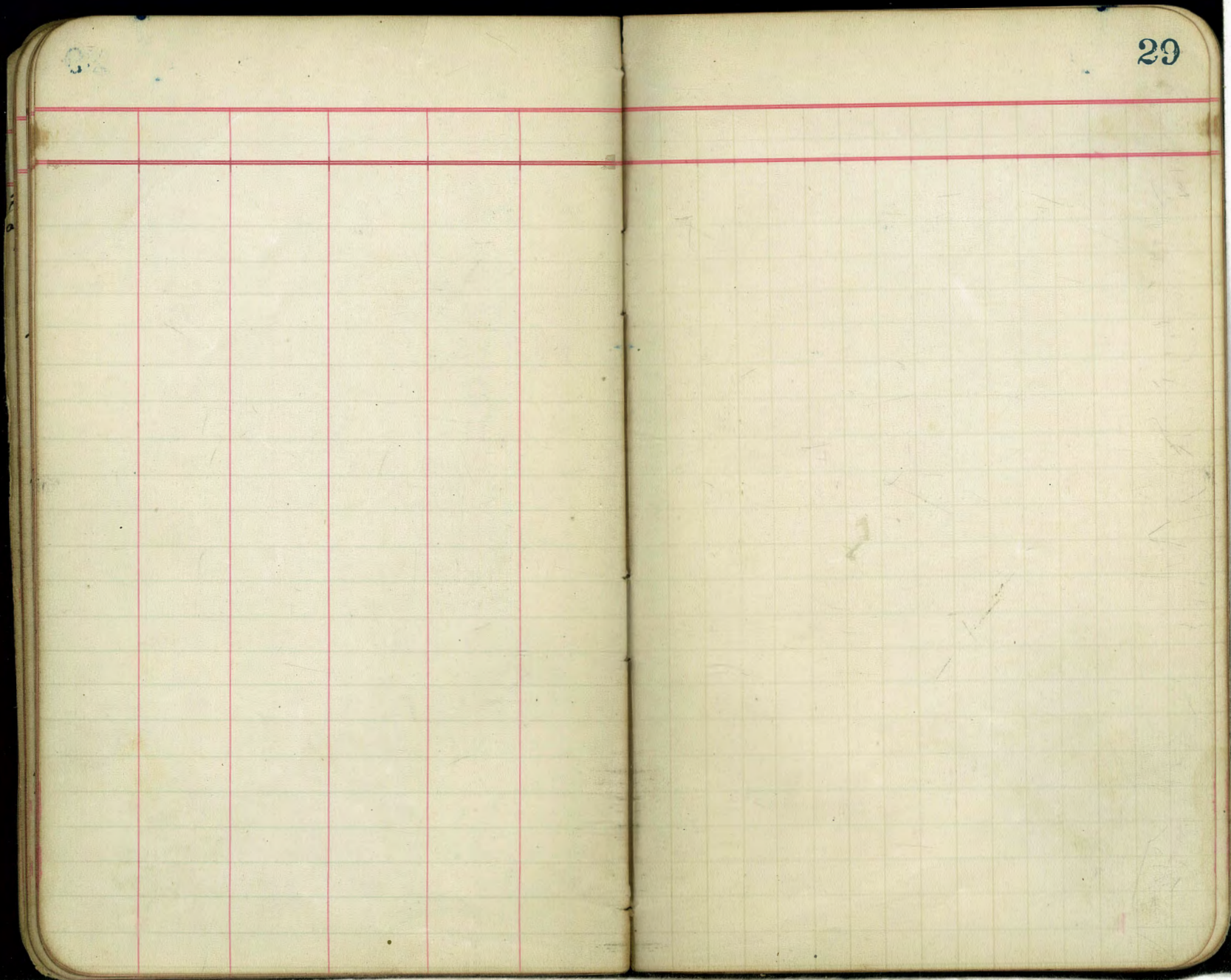
W	E	W	E
057	059	563	565
82	84	87	89
108	110	613	615
33	35	365	385
56	58	68	65
83	85	87	89
207	209	713	715
33	35	7x40 Inspector	
575	575	So line 11 <sup>th</sup> Street	
83	85	757 6 in y east	
8075	3095	8175	8195
33	35	415	435
3x60 Inspector		68	70
South Lim of L		92	94
378 6 in y east		918	920
for L St		42	44
4875	4895	68	70
63	65	92	94
88	90	1018	1020
5125	5142	425	445
38	40	665	685
		93	95

Entered

11x20 end of west  
So line of J. Street

28

29





The image shows an open notebook with two facing pages. The pages are cream-colored and feature a grid of red lines. The right page is numbered '30' in the top right corner. The grid consists of 10 columns and 20 rows. The notebook is placed on a white surface, and the background is dark.

The image shows an open notebook with two pages. The pages are cream-colored and feature light blue horizontal ruling. The right page is numbered '31' in the top right corner. The notebook is bound in the center, and the pages are slightly aged and show some minor stains. The notebook is placed on a white surface, and the background is dark.

✓  
N Street

OXG 2.5' 6 in 4 per  
8th Street North

1x09 1x11

1x79 1x81

2x10 2x12

See preceding Page

✓ N. Street ✓

North	South	North	South
	2 X 28		
2 X 97	6 in y North	15 X 65	16 X 145
17 ft	from line of building	16 X 90	Inspector
	4 X 08		○ 14 <sup>th</sup> Street
4 X 59 1/2	5 X 10	16 X 99	6 X 65
5 X 79	6 X 8 y for 10 <sup>th</sup> str		for 14 <sup>th</sup> Street north
	6 X 79.5	17 X 91	17 X 89
7 X 39.5	7 X 89.5	18 X 40	18 X 38
8 X 40	Inspector	90.5	88.5
○		19 X 40.5	19 X 38.5
8 X 58	6 in y for 11 <sup>th</sup> str	90	88
	9 X 69	20 X 40	20 X 38
10 X 20.5	10 X 68.5	90	88
11 X 37	6 X 8 y for 12 <sup>th</sup> str	21 X 40	Inspector
11 X 70	8 to 6 Reducer	○	15 <sup>th</sup> Street
12 X 00	Inspector	21 X 69	6 in y for
○	12 Street		15 <sup>th</sup> Street
	12 X 49.5	23 X 39.5	22 X 89.5
14 X 00	Inspector		23 X 89
○	13 Street		Inspector
14 X 18	6 X 6 y for 13 <sup>th</sup> str	24 X 36	West side
	15 X 15	○	of 16 <sup>th</sup> str

✓  
16<sup>th</sup> from N. St. North

W	E
24-62	property
24 X 67	24 X 65
.92	.90
25 X 20	25 X 18
.445	.425
.685	.665
.96	.94
26 X 21.5	26 X 19.5
45	43
70	68
95	93
27 X 21	27 X 19
47	45
27 X 58	6 in y turned west
27 X 60	end of Pipe
Entered May 19, 86	

from N. up 16<sup>th</sup> north

16 Street  
 South of L from large Filash tank 34

E	W	E	W
074	076	6x70	6x72
99	1x01	7x20	7x22
123.5	125.5	70	72
47.5	49.5	8.20	8.22
74	76	69.5	71.5
98	2x00	9.29	9.31
2.22.5	2.24.5	5.25	5.45
48.5	50.5	North	South
78	75	10.59	10.61
2.97	2.99	85	87
8.23.5	8.25.5	11.09.5	11.11.5
3x85 Inspect = 1-12 inch		35	37
39 ft No of No line of M St		60	62
3x48	3x50	85	87
3x98 nearest pt. to center of m 16 <sup>th</sup> St.	2.9 ft No of M Street	12x12 west	side of 18 <sup>th</sup> Street
4x20 Inspect in		End of 12" Pipe	man hole
Single Y-part line of 16 <sup>th</sup> St		15' for manhole 12x17	
4.76	4.78		
5x81 Manhole			
6x03	6x12 Y part		
6x02.5	6x12 Y part		

N. Street  
From 18th Street

North	South	North	South
12+17 Commencement 145" 8" Pit		18x50	18x52 east line
12x24 6 in y North		18x77	18x79 20th St
12x915 12x935 18th St		19x01	19x08
13.165 13x18.5		26	28
.415 .435		50	52
.665 .685		76	78
.91 .93		20x09.5	20x02.5
14x16 14x18			west line of 21st Street
44 46		25	27
66 68		20.5x	with line 21st St
14.91.5 Inspection		20x.69.5	8x6.4
Q west line of 19th St returned May 18, 88		for 21st Street	
15x10 8x6 y North		21.30.5	21.32.5
for 19th Street		56	58
15x70 15x72		81	83
.965 .985		22.20.5	22x07
16.21 16.23		31	33
45.5 47.5		56	58
70.5 72.5		81	83
95 97		23x06	23x08
17.95 17.415.5		23x30.5	Inspection
1772 Inspection west line 20th Street		0.22 @ Street	
17.90 6 in y North for 20th Street		23x49	8x8 y for 22nd Street

N. Street  
From 24th Street 35

North	South	W	E
24x11	24x13	28x56	28x58
36	38	81	83
60	62	29.06	29.08
24.85	24.87	.50	.52
25x11	25x13	.565	.585
35	37	.81	.83
60	62	30x06	30x08
86	88	31	33
26x10	26x12	56	58
36	38	81	83
60	62	31.06	31.08
86	88	31	33
27x10.5	27x12.5	31.62	Inspection
.36	.38	0 north of south line of m Street	
.60.5	.62.5	31x75	8x6 y
.85.5	.87.5	for M St. West	
28x14	8x8 y 3 ft west of west line of 24th Street	31x91	6 in y for M St east
from the station 287.09		32x33	32x35
Count in 24th Street		59	61
		.83.5	.85.5

24<sup>th</sup> Street Continued

W	E	W	E
33x08	33x10	38x11	38x13
.545	.565	.57	.59
.60	.62	.61	.63
.845	.865	.87	.89
34.085	34.105	39x14	Inspection
.35	.37	O 18 <sup>th</sup> Street	
.595	.615	39.31	6 <sup>th</sup> Y <sup>east</sup> for K
.84	.86	39.46	6 <sup>th</sup> Y <sup>east</sup> "
35.10	35.12	39.91.5	39.93.5
35.35	Inspection	40x16	40x18
O I. Street		.42	.44
35.52	8x6 Y for I. Str.	.675	.695
	west	.92	.94
35.67	8x6 Y for I. St east	41.16.5	41.18.5
36.12	36.14	.42.5	.44.5
.37	.39	.67	.69
.61.5	.63.5	.91.5	.93.5
.85.5	.87.5	42.16.5	42.18.5
37.12	37.14	.41	.43
.36	.38	.66	.68
.62	.64	42x94	I Street
.86	.88	O Inspection	

24<sup>th</sup> Street 36

W	E	W	E
42.99	Reducer 8 to 6 in	48x27	48x29
43x11.5	6 in Y west for J	.52	.54
43x27	6 in Y east " J	.76	.78
43.73	43.75	48x98 6 in Y for ally <sup>east</sup>	
.97.5	.99.5	49x01	49x03
44.20	44.22	.26	.28
.47	.49	.51	.53
.71.5	.73.5	.77	.79
.97.5	.99.5	50x02	50x04
45x17	6 in Y for ally east	.26	.28
45.21.5	45.23.5	50x62 Inspection	
.47	.49	O S side of H	
.72.5	.74.5	50x94.5 6 in Y for	
.97.5	.99.5	H Street east	
46.22	46.24	51.60.5	51x62.5
.47	.49	.84	.86
46.74	Inspection I Street	52x09	52x01
O		.34	.36
47x08	6 in Y for I St east	.60.5	.62.5
47x52	47x54	.85	.87
.77	.79	53x01	6 <sup>th</sup> Y
48x02.3	48x04.5	for ally east	

24<sup>th</sup> Street

W	E	W	E
53.095	53.115	58.27	58.29
55.3	57.5	58x56.5	Inspect. 1/2 north
60	62		O of S. line of H. Str.
85.5	87.5	58x72.5	6 in Y for
54.10	54.12		2 ft. east
56	58	58.33	59.33
54.75	Inspect	58	60
	O S side of S. Str	82	84
54.95	6 in Y for Y east	60x05	60x10
55.53.5	55.55.3	52.5	54.5
77	79	5.7	59
56.02	56.04	60x63	6 in Y for ally east
27	29	83	60x85
52	54	61x07	61x09
77	79	32	34
56.82	6 in Y for ally east	58	60
57.02.5	57.04.5	82.5	84.5
27	29	62x07	62x09
52	54	62x30	Inspect.
78	80		O 1 ft north of so. line of E
58x03	58x05	62x33	6 in Y for E & east.

24<sup>th</sup> Street

W	E	W	E
63x12.5	63x14.5	67.93	67.95
37	39	68x17.5	68x19.5
65	67	68x23.5	6 in Y for ally east.
88	90	68x43.5	68x45.5
64x12	64x19	68	70
38	40	93.5	95.5
64x42	6 in Y for ally east	69x18	69.20
63	65	42.5	44.5
88.5	90.5	67	69
65.13	65.15	69.94	Inspect
37	39		1 ft. so of line of C. Street
68.5	65.5	70x13	6 in Y east for C. Str
88	90		
66x15	Inspect so side	70x71.5	70x73.5
	O of III. Str.	96.3	98.3
66.33	6 in Y for I st. east	71x21	71x23
66.93	66.95	47	49
	no line of II. Str.	71.3	73.3
67x18	67x20	97.5	99.5
42.5	44.5		
68.5	70.5		



24<sup>th</sup> Street West of  
I Street

W	E	South	North
		Began at 0	
72x08 6 in V		0x36	0x38
for ally east		.64	.66
		.88	.90
72x215	72x235	1x12	1x14
.48	.50	.385	.405
.715	.735	.61	.63
.96	.98	.87	.89
73x22	73x24	2x13	2x15
.42	.44	.385	.405
73x58 end of		.64	.66
6 in pipe on		.895	.915
24 <sup>th</sup> Street		3.14	3.16
<u>Entered</u> May 17 <sup>th</sup> 88		3.75	3.95
		4.155	4.175
		4x22 end of pipe	
		<u>Entered</u> May 18 <sup>th</sup> 1888	

24<sup>th</sup> Street West of  
K Street

South	North
Began at station 0	
0x31	0x33
.62	.64
.93	.95
1x.185	1x.205
.48	.45
.675	.695
.935	.955
2.175	2.195
.435	.455
.68	.70
.93	.95
3.195	3.215
.435	.455
.68	.70
.935	.955
4.15	4.17
4.215 end of	
Pipe on K Street,	
Entered May 18 <sup>th</sup> 88	
<u>Entered</u>	

M. Street West of 24<sup>th</sup> Street

South	North
Began at Station 0	
0x325	0x345
.56	.58
.79	.81
1.05	1.07
.30	.32
.56	.58
.80	.82
2x.04	2x.06
.30	.32
.545	.565
.79	.81
3.035	3.055
.30	.32
.54	.56
.80	.82
4x.04	4x.06
.26	.28
4.33 end of	
pipe on M. Street	
Entered May 18 <sup>th</sup> 1888	
<u>Entered</u>	

J Street from  
24<sup>th</sup> to 22<sup>nd</sup> Street

South North

0 + 33 property line.

0X31 0X33

.545 .565

.81 .83

105 107

.31 .33

.56 .58

.805 .825

205 207

.295 .315

.55 .57

.80 .82

304 306

.305 .325

.55 .57

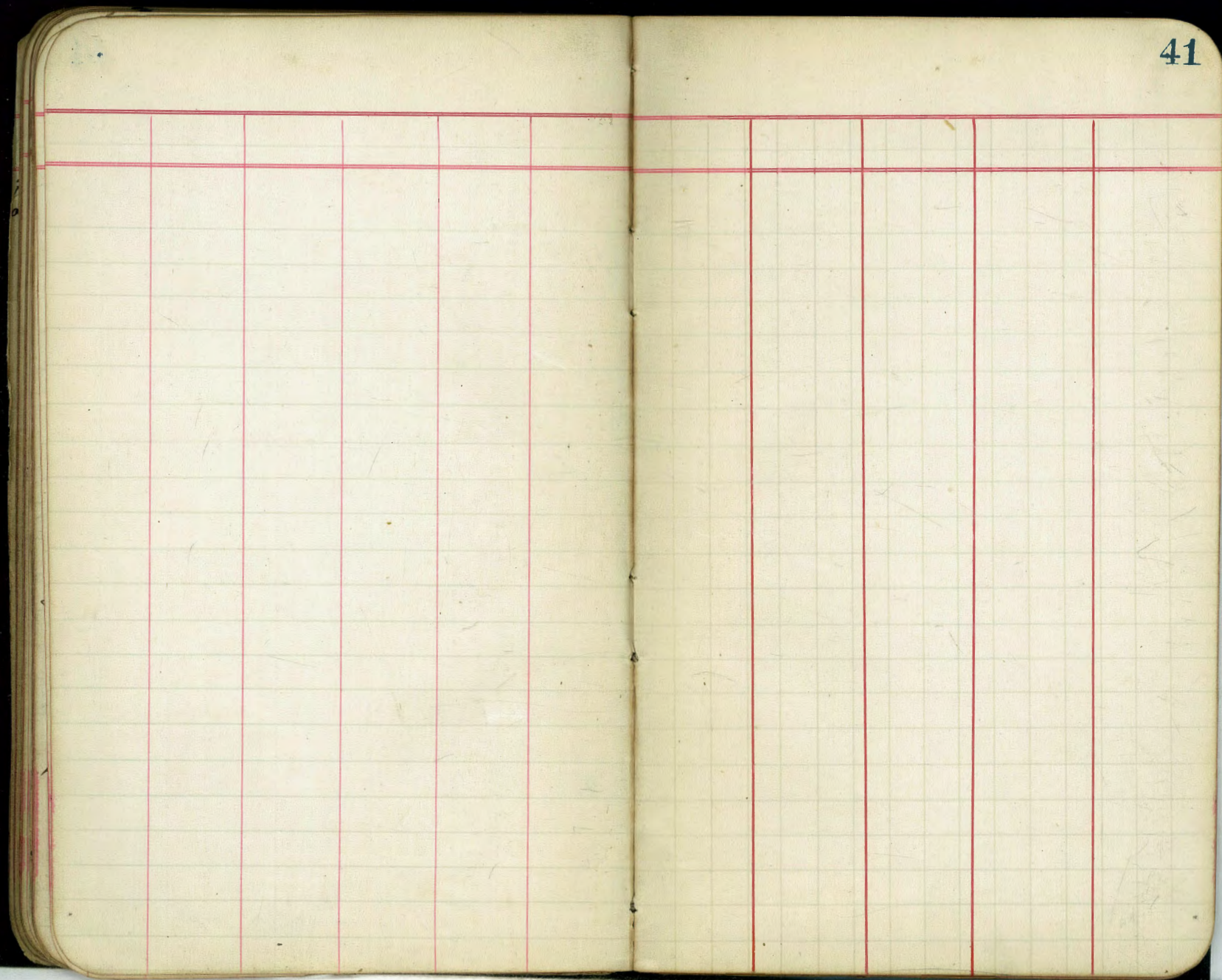
.80 .82

406 408

438 end of pipe

Entered

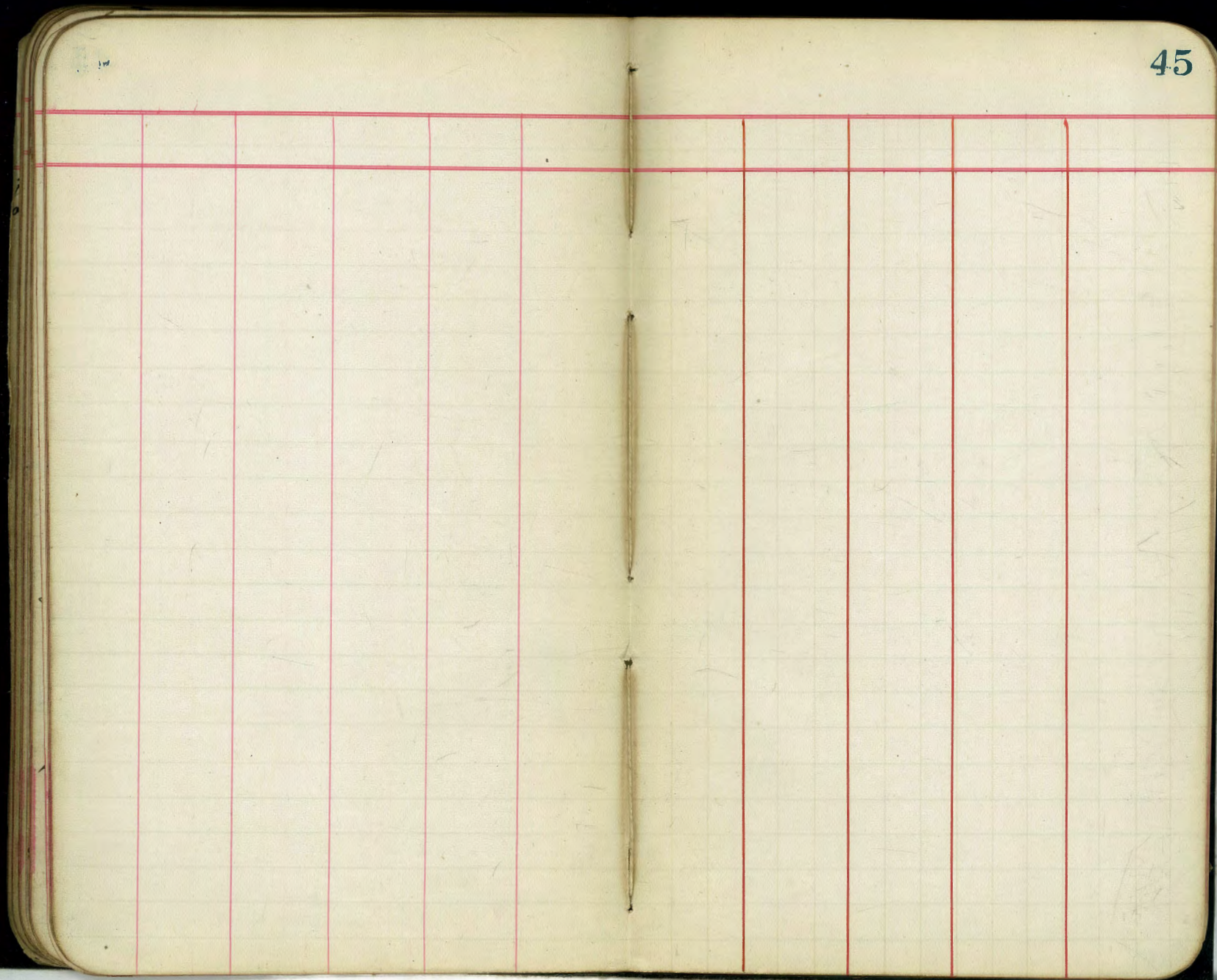








The image shows an open notebook with two facing pages. The right page is numbered '44' in the top right corner. Both pages are ruled with a grid of red lines. The grid consists of 10 vertical columns and 20 horizontal rows. The columns are of varying widths, with the two outermost columns being the widest. The pages are otherwise blank, with no handwriting or printed text.





The image shows an open notebook with two blank pages. The pages are cream-colored and feature light blue horizontal ruling. The right page is numbered '46' in the top right corner. The notebook is bound in the center, and the pages are slightly aged. The notebook is placed on a white surface against a dark background.





32

49

The image shows an open notebook with two pages. The pages are cream-colored and feature a grid of light blue horizontal lines and red vertical lines. The left page is numbered '32' in the top left corner, and the right page is numbered '49' in the top right corner. The notebook is bound in the center, and the pages are otherwise blank.

0+42 & line 22 on H.

73.  
**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	84
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	83
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	82
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	81
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	80
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	79
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	78
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	77
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	76
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	75
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	74
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	73
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	72
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	71
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	70
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	69
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	68
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	67
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	66
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	65
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	64
21	93.36	35.81	93.20	36.24	93.04	36.65	92.88	37.06	63
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	62
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	61
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	60
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	59
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	58
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	57
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	56
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	55
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	54
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	53
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	52
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	51
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	50
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	49
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	48
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	47
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	46
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	45
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	44
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	43
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	42
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	41
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	40
45	70.71	70.71							39
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		

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