

SEYERAGE  
TRANSIT NOTES

9

TRANSIT

**F.B. 716**

716

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

MICROFILMED  
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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

*San Diego Apr 7<sup>th</sup> 1888*  
*Second Street River*  
*Connection made by Mr. Doo*  
*Lot 10*  
*Block No 198*  
*Proprietor*  
*J. S. Roberts*  
*Corner 2nd & Mission*

*11 1/2*  
*41*  
*66 + 9*

6

+ 50

5

+ 80

North line K St

+ 50

+ 20

Centre line 16 St.

4

South line 16 St.

+ 50

3

+ 50

2

+ 50

1

0

Centre line L St.

0

Running north on 6<sup>th</sup> St  
from its Int. with L St.

all

3'

Span Road crossing

14.

+50

13

+50

+40 North line of St.

12 Centre line of St.

+60 South line of St.

+50

11

+50

10

+50

9

+60 North line of J. St.

+50

+20 Centre line of J. St.

8

+80 South line of J. St.

+50

7

+50

2/16

Columbian numbers North from H.S.

W. E.

1+73 1/2

1+48

1+25 1/2

1+0

1+0 North line H sheet

1+0 1/2

0+81

0+74

0+74

0+74

Slate  
 0+80 North line H sheet  
 1+05 = 1+25

Irona sheet  
 0+72 = 1+0 North line H sheet

2<sup>nd</sup> street running North from B street

W	E	W	E
			44+99
fourth in Beak 42+20.8	44+97		47+54 com
	44+78	44+75	47+52
41+91	44+73		47+29
	44+44	44+48	47+27
41+66	44+44		47+05
	44+22	44+24	47+03
41+42	44+22		46+86 to comdate owner
	43+96	43+98	46+77
41+18	43+96	43+74	46+18 com by running East for Cedar st
	43+72	43+49	46+00 8 south in Cedar st
40+92	43+72		45+74
	43+47	43+49	45+72
40+67	43+47		45+49
	43+21	42+99	45+47
40+43	43+21		45+23
	42+97	42+99	45+23
40+17	42+97		45+21
	42+89		com of for Beak running East

2<sup>nd</sup> sheet morning Notts furra B sheet

W E W E

49+98 Em of morning <sup>out</sup> for Date

Em	Date		
		52+59	
49+80	8 <sup>th</sup>	52+57	
	49+54	52+84	
49+52		52+82	
	49+29	52+09	
49+27		52+05	sub owner
	49+04	51+84	
49+02		51+82	
	48+79	51+59	
48+77		51+57	
	48+53	51+85	sub Em Eln
48+51		51+83	53+60 8
	48+29	51+09	53+85
48+27		51+07	53+83
	48+04	50+84	53+09
48+02		50+82	53+07
	47+79	50+59	52+84
49+77		50+57	52+82

2<sup>nd</sup> Street running North from B Street

W	E			
	56+64		59+44	
56+59	but own	59+42		
	56+38		59+19	
56+35		59+17		
	56+14		58+94	
56+12		58+92	60+94	End of Pipe for flush Tank 25 ft
	55+89		58+90	60+90
55+87		58+68	60+88	6m running West Gate
	55+64		58+45	60+69
55+62		58+48	60+67	
	55+38		58+19	60+44
55+35		58+17	60+42	
	55+18	57+58		6m running East for this street
55+11				
	54+89	South side Firm	60+19	
54+87		57+40	60+12	owner
	54+64		57+14	59+94
54+62		57+12	59+92	
	54+38		56+88	59+69
54+35		56+86	59+67	
53+78	6m running East for			Elmer W

South of line of Geop



S.C. Street from 2<sup>nd</sup> running East to 24<sup>th</sup> Street  
 May 30<sup>th</sup> 1888

7

North	South	North	South
	2+66		
2+64			
	2+14 1/2		
2+39 1/2		+	
	2+15 1/2		
2+13 1/2			
	1+9 1/2		
1+89 1/2		4+44	End of pipe for Flushtank at West line of 24 <sup>th</sup> Street
	1+67		4+16
1+65		4+14	
	1+41		3+92
1+39		3+90	
	1+17		3+66
1+15		3+64	
	0+91		3+42
0+89		3+40	
	0+67		3+16
0+65		3+14	
	0+42 1/2		2+92
0+40 1/2		2+90	

2+66

2+64

2+14 1/2

2+39 1/2

+

2+15 1/2

2+13 1/2

1+9 1/2

1+89 1/2

4+44 End of pipe for Flushtank at West line of 24<sup>th</sup> Street

1+67

4+16

1+65

4+14

1+41

3+92

1+39

3+90

1+17

3+66

1+15

3+64

0+91

3+42

0+89

3+40

0+67

3+16

0+65

3+14

0+42 1/2

2+92

0+40 1/2

2+90

J street running West from 24<sup>th</sup> street

Points North

2+57

2+55

2+91 1/2

2+29 1/2

2+07

2+05

1+82 1/2

1+80 1/2

4+97 End of pipe on J street to 22<sup>nd</sup> street

1+58

4+08

1+56

4+05

1+33

3+82

1+31

3+80

1+07

3+57

1+05

3+55

0+83

3+32 1/2

0+81

3+30 1/2

0+54 1/2

3+05

0+54 1/2

3+04

0+33

2+82

0+31

2+80

Union Street morning

Notes from list

4V	9V	2	23+13	Extra of
20+47 1/2			23+03 8	
20+23 1/2			22+72 1/2	
			22+70 1/2	
Unit in First			22+48	
19+03	9ms		22+46	
			22+28 1/2	
16+89			22+21 1/2	
			21+99	
16+63			21+95	
			21+92 1/2	
18+38 1/2			21+90 1/2	
			21+48	
18+14			21+44	
			21+25	
17+88			21+23	
			20+97 1/2	
17+64			20+95 1/2	
17+38			20+78	

Main Street running

North from Ark St -

W E W

25+022

25+78

25+522

25+38 coming for Beant Street

25+296

25+252

25+03

25+01

24+992

24+752

24+522 25+77 End of Pipe

24+502

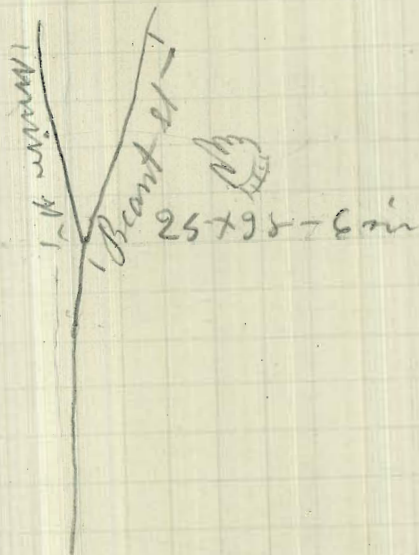
24+282 25+942

24+252

24+03 25+53

24+01

23+88 25+25



on main street for Fluck Tank

N sheet wiring East from 19<sup>th</sup> to 20<sup>th</sup> sheet

North south

18+99 connection made to 8<sup>th</sup> pipe end of pipe

18+52 East line 20<sup>th</sup> sheet

18+50

17+90 wire for 20<sup>th</sup> sheet North

West line 20<sup>th</sup> sheet

17+72 Ins

17+45 $\frac{1}{2}$

17+19 $\frac{1}{2}$

16+99

16+95

16+72 $\frac{1}{2}$

16+70 $\frac{1}{2}$

16+49 $\frac{1}{2}$

16+45 $\frac{1}{2}$

16+28 14

16+21

16+21

22<sup>nd</sup> sheet running North from N street

40	E		
		85+93 $\frac{1}{2}$	
35+91 $\frac{1}{2}$			
		85+49 $\frac{1}{2}$	
35+47 $\frac{1}{2}$			
		85+29 $\frac{1}{2}$	37+98
35+21 $\frac{1}{2}$			End of pipe on
			37+75
		85+01	37+73
34+99			37+49 $\frac{1}{2}$
			37+47 $\frac{1}{2}$
	small line E. of		37+25
34+20	G.	37+20	
		33+94 $\frac{1}{2}$	36+99
33+92 $\frac{1}{2}$		30+97	
		33+09	30+94
33+07		35+92	
		33+44 $\frac{1}{2}$	30+47 $\frac{1}{2}$
33+42 $\frac{1}{2}$		30+45 $\frac{1}{2}$	
		33+20	30+23 $\frac{1}{2}$
33+18		30+21 $\frac{1}{2}$	
		32+94 $\frac{1}{2}$	35+99 $\frac{1}{2}$
32+92 $\frac{1}{2}$		35+97 $\frac{1}{2}$	

22<sup>nd</sup> sheet

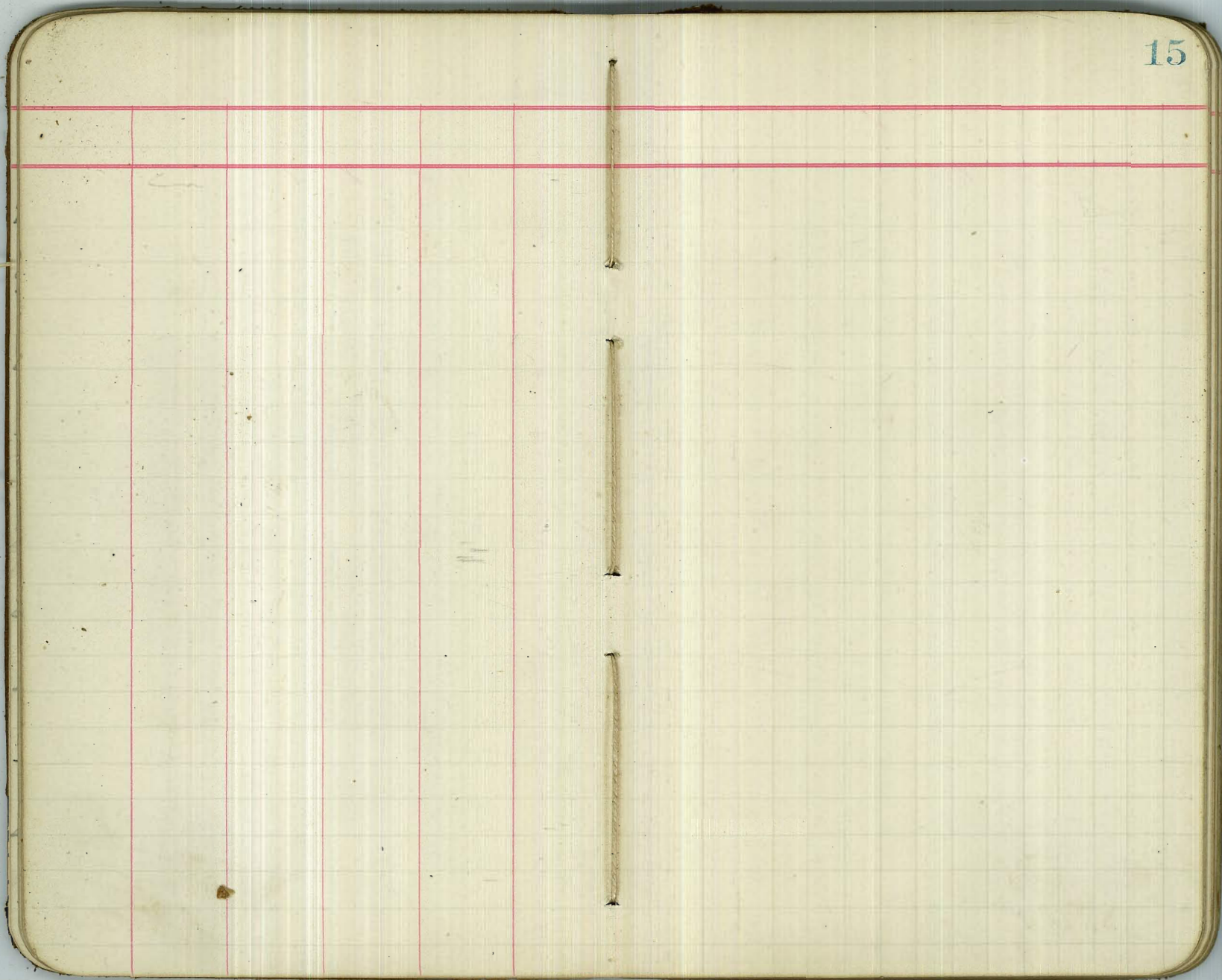
2<sup>nd</sup> street Running North from N street

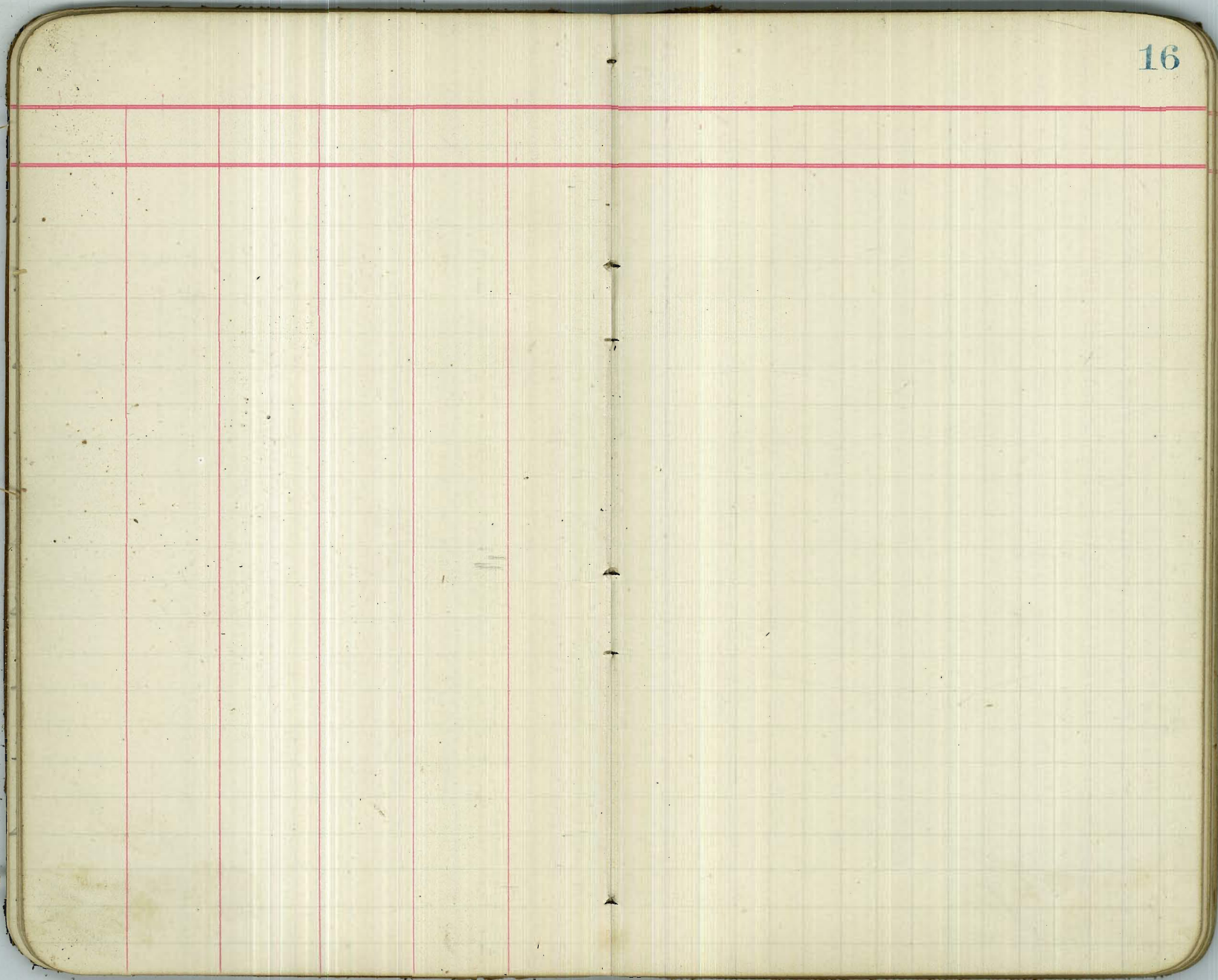
W	E	N	EW	E
				32x90
			32x68	
	29x63 $\frac{1}{2}$			32x44 $\frac{1}{2}$
29x61 $\frac{1}{2}$			32x42 $\frac{1}{2}$	
	29x40			32x18 $\frac{1}{2}$
29x38			32x16 $\frac{1}{2}$	
	29x14 $\frac{1}{2}$			31x89
29x12 $\frac{1}{2}$			31x87	
	28x89			31x70
28x89			31x68	
	28x64 $\frac{1}{2}$			31x43 $\frac{1}{2}$
28x62 $\frac{1}{2}$			31x41 $\frac{1}{2}$	
	28x39 $\frac{1}{2}$			31x19 $\frac{1}{2}$
28x37 $\frac{1}{2}$			31x17 $\frac{1}{2}$	
	28x13 $\frac{1}{2}$			
28x11 $\frac{1}{2}$			South line of street 30x40 In	
	27x89			30x14 $\frac{1}{2}$
27x87				30x12 $\frac{1}{2}$
	27x65			29x90
27x63				29x88

22<sup>nd</sup> mining shaft from N street

W	E		
	24+95½		27+40
24+93½		27+38	
	24+71	26+80	Redwood str 6m
24+89		26+78	6m of mining East for I street
	24+45½		
24+44½			
	24+20	25+60	9m
24+18		25+20½	
	23+95½	25+18½	
23+93½		25+95½	
	23+71	25+94½	
23+69		25+70½	
	23+45	25+68½	
23+43		25+44½	
		25+44½	
22+70	6m by running East for H street		
South line H street			
22+47	8m		
	22+19		25+22
22+11		25+20	







17<sup>th</sup> sheet wrong

Not from C sheet

+

7455 End of pipe on 17<sup>th</sup> sheet. flush Tank

7463 6m 3 wrong Co A 21

7461 6m 3 wrong Co A 21  
7458

7436

17<sup>th</sup> street running North from E street

W	E		
		4+13	7+15
	4+63 1/2	North line B St	
4+61 1/2			6+90
		6+88	
4+08	6 in of mining	West for	B Street
			6+65
		6+63	
		6+85- 1/2	6+88 1/2
	3+59	6+96 1/2	
3+59			6+14
	3+85-	6+12	
3+33			5+88 1/2
	3+09	5+86 1/2	
3+07			5+64
	2+85-	5+62	
2+88			5+40
	2+59	5+88	
2+57			5+14
	2+85-	5+12	
2+83			4+90
		4+88	

I Street running East from 22<sup>nd</sup> to 23<sup>rd</sup> Street

North South

23<sup>rd</sup> Street

West line 23<sup>rd</sup> St end of block  
2x19 fms 9 ft. from

1495

1499

1470

1448

1443

1441

1420

1418

0494

0492

0490

0468

0444

0442

23<sup>rd</sup> street North Run

I street

W	E	W	E	W	E
			5795	8746	West
	2790 $\frac{1}{2}$	5793			East 78492 $\frac{1}{2}$
2788 $\frac{1}{2}$			5770 $\frac{1}{2}$	8750 $\frac{1}{2}$	West
	2764	5768 $\frac{1}{2}$			East 78448 $\frac{1}{2}$
2762			5744		
	2741	5742 $\frac{1}{2}$		8734	
2739			5720 $\frac{1}{2}$		8724 $\frac{1}{2}$
	2715 $\frac{1}{2}$	5718 $\frac{1}{2}$		8722 $\frac{1}{2}$	
2713 $\frac{1}{2}$			4794		
	1790 $\frac{1}{2}$	4792			South line E 8
1788 $\frac{1}{2}$			4770 $\frac{1}{2}$		8
	1766	4768 $\frac{1}{2}$			7721
1764			4746	7719	
	1740 $\frac{1}{2}$	4744			6795
1738 $\frac{1}{2}$				6793	
	1716				6769
1714					6767
	0790		3741		6745
0788		3739		6743	
	0764		3716		6721
0762		3714		6719	

over  
 Commenced work on Riv for pipe  
 over

23<sup>rd</sup> sheet running North from S

90	E		
South in Dist		14+29	
11+26	8m	14+29	
	10+99 $\frac{1}{2}$	14+06	000
10+97 $\frac{1}{2}$		14+04	
	10+94	13+99	
10+72		13+97	
	10+50	13+66 $\frac{1}{2}$	
10+48		13+53	
	10+24 $\frac{1}{2}$	13+29 $\frac{1}{2}$	
10+22 $\frac{1}{2}$		13+29 $\frac{1}{2}$	
	10+00	13+05 $\frac{1}{2}$	
9+98		13+03 $\frac{1}{2}$	
	9+74	12+99 $\frac{1}{2}$	
9+72		12+99 $\frac{1}{2}$	
	9+50	12+56	
9+48		12+54	
	9+24 $\frac{1}{2}$	12+29 $\frac{1}{2}$	
9+22 $\frac{1}{2}$		12+27 $\frac{1}{2}$	
	8+98 $\frac{1}{2}$	12+04 $\frac{1}{2}$	
8+98 $\frac{1}{2}$		12+02 $\frac{1}{2}$	
8+98	End of wooden box		

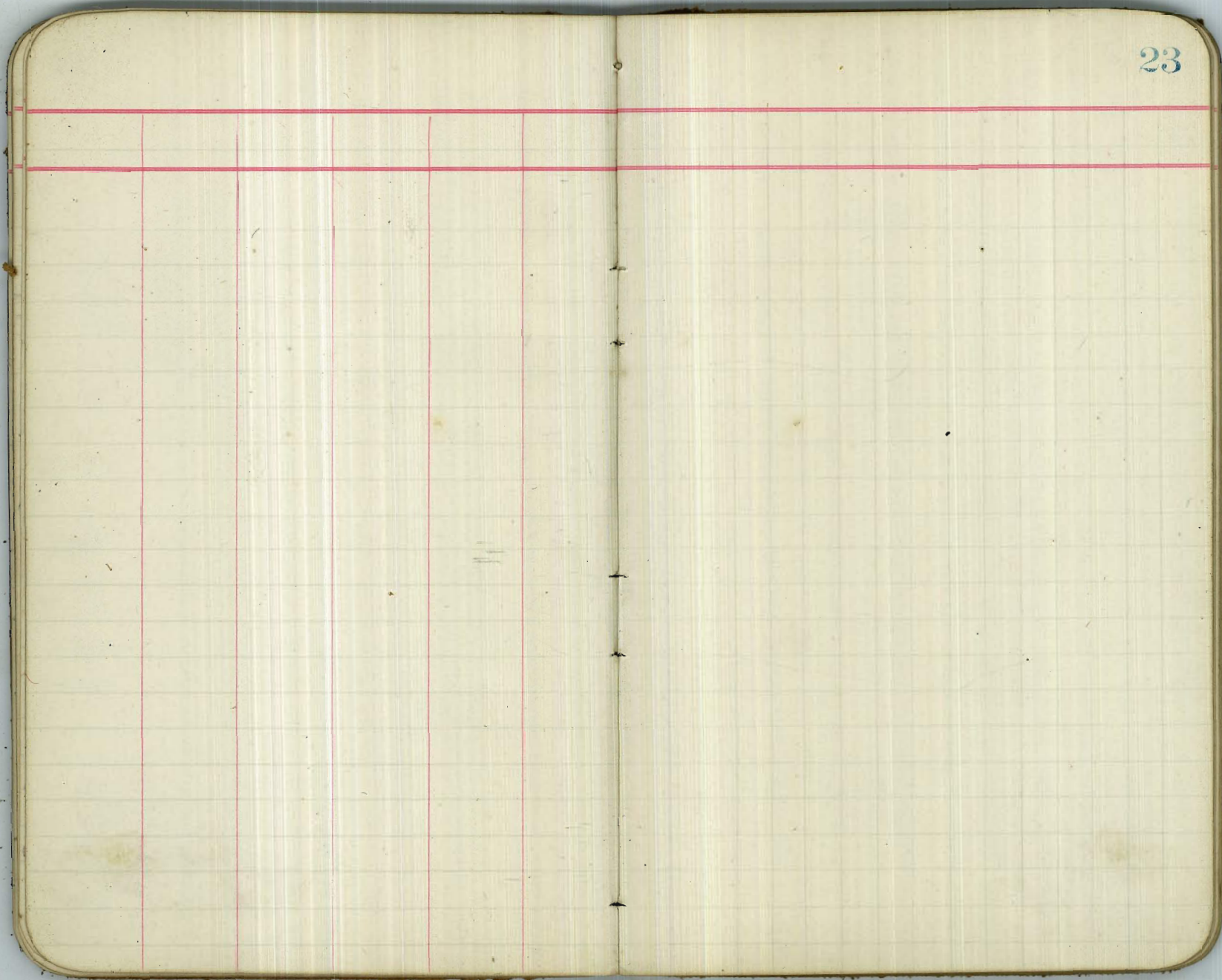
23<sup>rd</sup> sheet running

North from E. street

9W	E	9W	E
	17+96		
17+84			
	17+09 $\frac{1}{2}$		
17+07 $\frac{1}{2}$			
	16+83 $\frac{1}{2}$		
16+83 $\frac{1}{2}$			
	16+69		
16+67			
	16+36		
16+34			
	16+09 $\frac{1}{2}$		
16+07 $\frac{1}{2}$			
	15+86	18+60	End of pipe
15+84			18+35
		18+30	
South line E. street			18+10 $\frac{1}{2}$
15+0 $\frac{1}{2}$ line		18+08 $\frac{1}{2}$	
	14+80		17+86
14+78		17+84	
	14+55 $\frac{1}{2}$		17+60
14+53 $\frac{1}{2}$		17+58	

on 23<sup>rd</sup> sheet up to within  
2 ft of South line B sheet for  
flush Tank





21<sup>st</sup> Street mining - Fault from C

E	W	E	W	E	W
			5x47		8x27
	2x66	5x45		8x25	over
2x64			5x20 $\frac{1}{2}$		8x0 $\frac{1}{2}$
	2x42	5x18 $\frac{1}{2}$		7x99 $\frac{1}{2}$	
2x40			4x94		
	2x16	4x94		7x89 $\frac{1}{2}$	Coin by pros East mining East
2x14			4x71		
	1x92	4x69		North line East	
1x90			4x47	7x22	Ans
	1x66	4x45		6x97	
1x64			4x22	6x95	
	1x42	4x20		6x71	
1x40			6x69		
	1x17	3x60	6 mi. E East pros		Defect
1x15					
	0x91	North line D		6x40	
0x89		3x42	8	6x45	
	0x67		3x14	6x21	
0x65		3x14		6x19	
	0x42		2x92	5x97	
0x40		2x90		5x95	

21<sup>st</sup> Street running South from E Street

E	N
	10+77
10+75	
	10+51/2
10+49 1/2	
	10+25 1/2
10+23 1/2	
	10+02
10+00	
	9+74
9+74	
	9+52
9+50	
	9+26
9+24	
	9+01 1/2
8+99 1/2	
	8+75 1/2
8+73 1/2	
8+51	11+02
8+49	10+98

End of pipe on 21<sup>st</sup> Street ending to N of Fishel  
 going East for Fishel

+

21<sup>st</sup> street unring Natts from E street

4W

0  
C

2+92½

2+90½

2+68

2+66

2+43

2+41

2+17

2+15

1+93

1+91

1+68

1+66

1+41½

1+39½

1+17

1+15

0+93

0+91

0+68

0+66

0+40½

0+38½

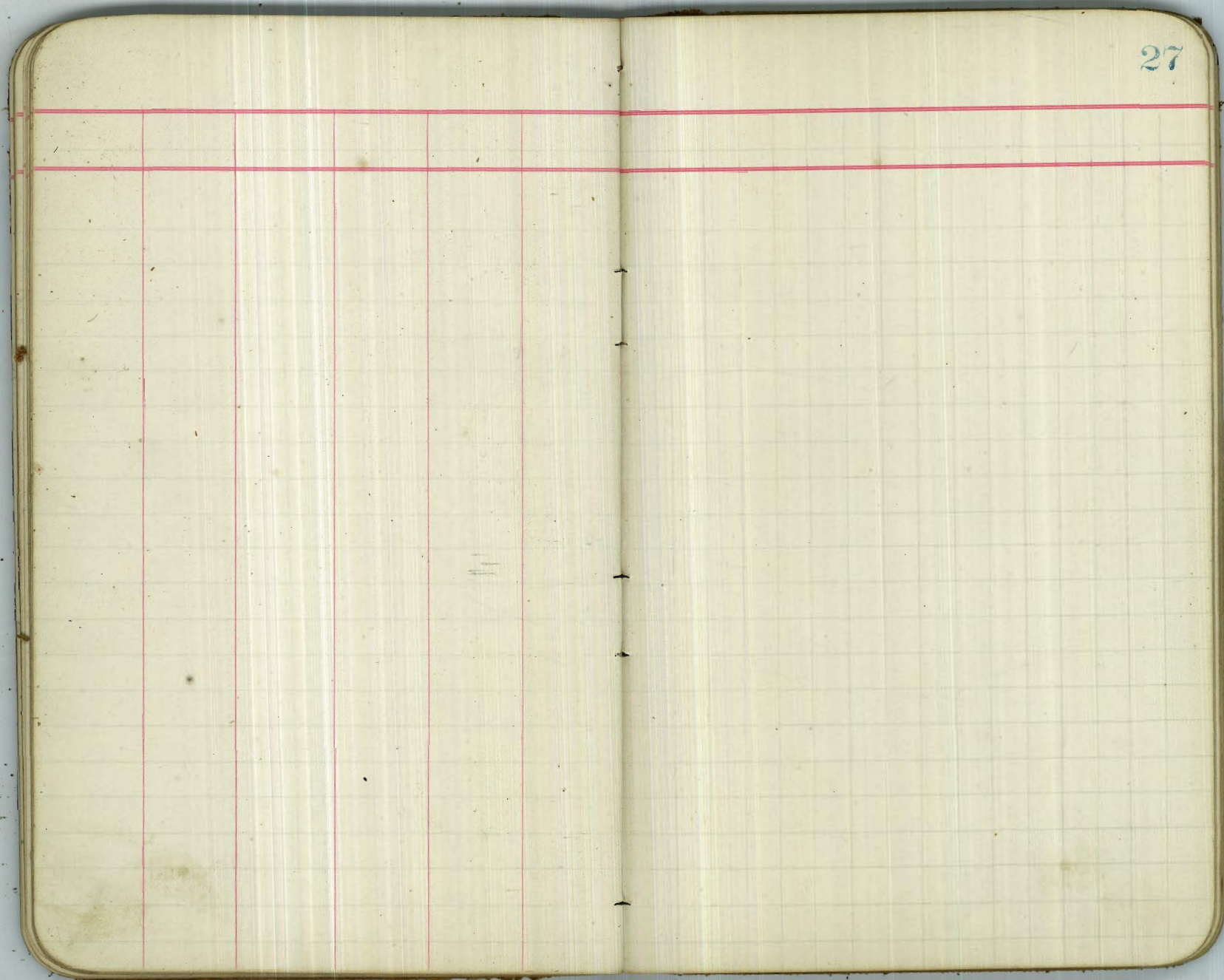
End of pipe 3+43

3+40½ 6 inch T

3+17

3+15

East for 13 ft



Front street running North from Gas Street

W	E		
	67+55		
67+53			
	67+296		
67+274			
	67+05	D	
67+03			
	66+99		
66+77			
	66+55		
66+53		68+55	Flush Park to Junction
	66+296	68+29	=
66+276		68+27	
	66+05	68+05	
66+03		68+03	
	65+80	67+80	
65+78		67+78	
65+18	Line of running East from Jay		

South line Jay  
65+00 Jms

First Street running North from Fir Street

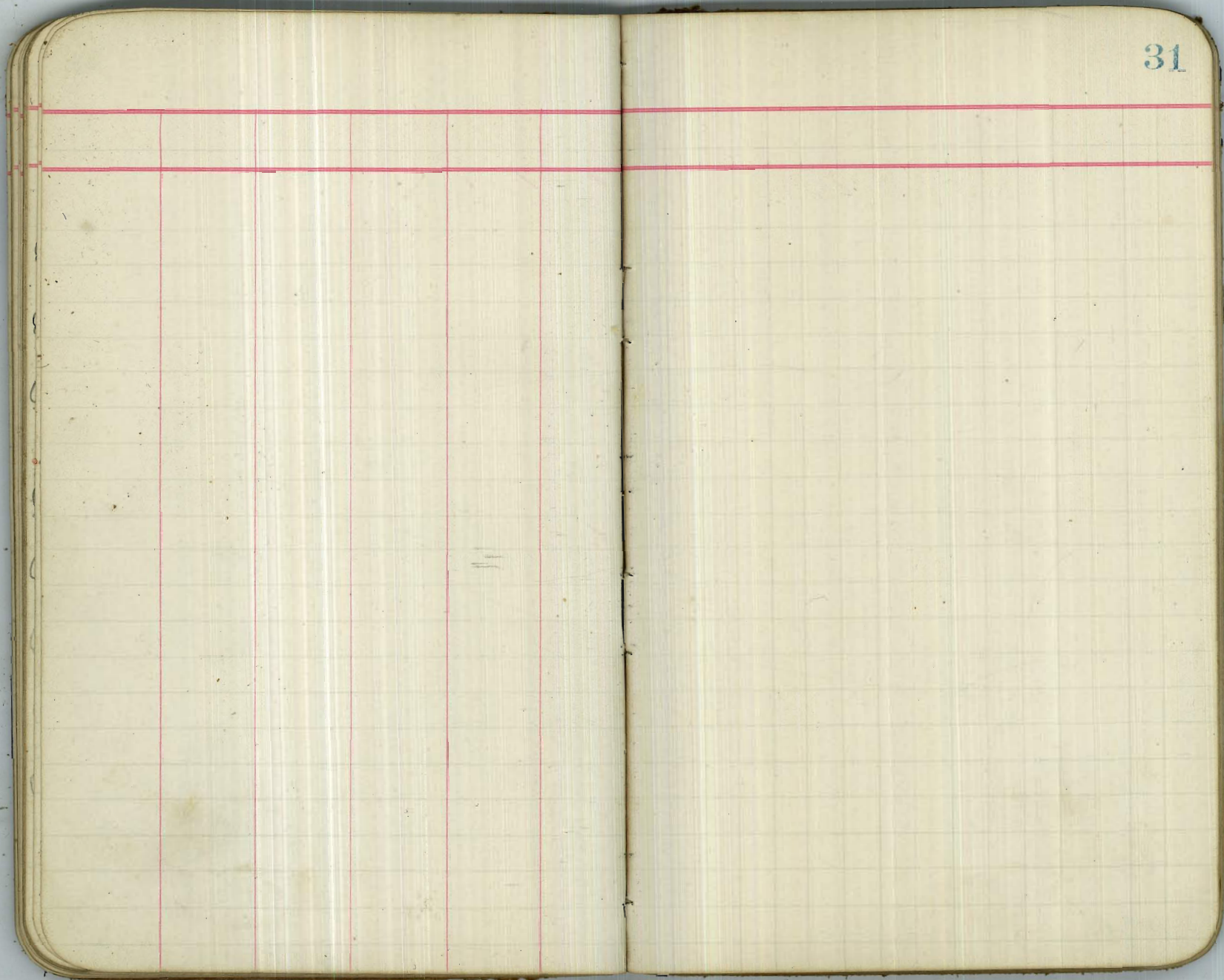
W	E		
			64+75-
	62+25-	64+73	
62+23			64+49
	62+00	64+47	
61+98			64+25-
		64+23	
61+38	E in y running East for Hawthorn		
			64+00
61+20	60+95 $\frac{1}{2}$	63+98	
			63+94 $\frac{1}{2}$
60+93 $\frac{1}{2}$		63+92 $\frac{1}{2}$	
	60+70 $\frac{1}{2}$		63+50
60+68 $\frac{1}{2}$		63+48	
	60+45 $\frac{1}{2}$		63+24
60+43 $\frac{1}{2}$		63+22 $\frac{1}{2}$	
	60+20		62+99 $\frac{1}{2}$
60+18		62+99 $\frac{1}{2}$	
	59+94 $\frac{1}{2}$		62+94
59+92 $\frac{1}{2}$		62+72	
	59+70		62+49 $\frac{1}{2}$
59+58		62+47 $\frac{1}{2}$	

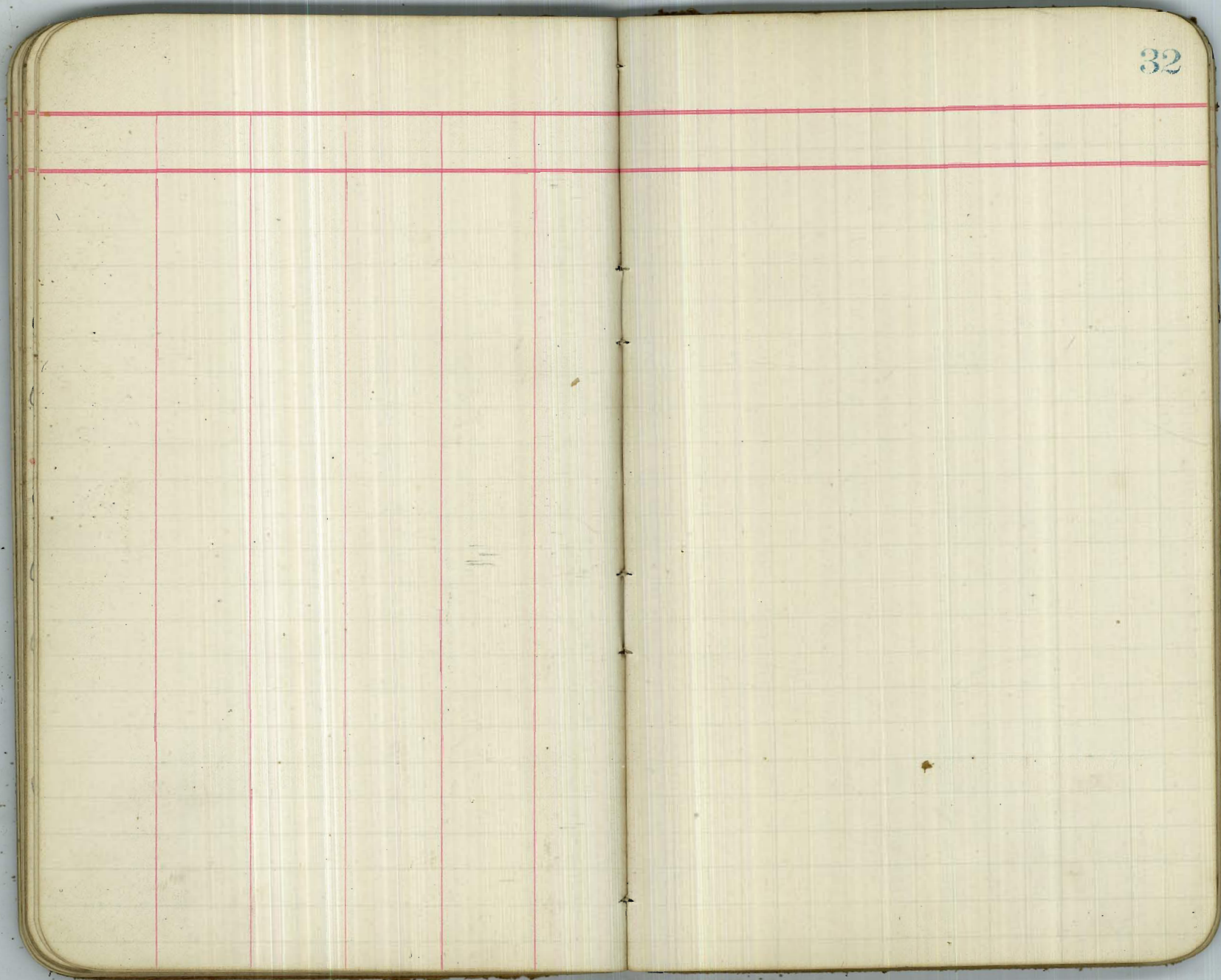
Shunt Street running North from Fir St

W	E	W	E
	56+90		
56+88			59+44
	56+64	59+42	
56+62			59+20
	56+38	59+18	
56+35			58+94
	56+12	58+92	
56+10			58+70
	55+88	58+68	
55+86			58+43
	55+65	58+41	
55+63			58+20
	55+39	58+18	
55+37			
55+18	57+58	C in by running	
55+11			
	54+88	3rd in Graph	
54+86		57+40	
	54+63		57+42
54+61		57+25	

East for Graph







P. Street running West from 15<sup>th</sup> Street

South West East West

	2+42		
2+40			
	2+152		
2+142		4+44	6 in by Gents for
	1+92		
1+90		35 ft East of 14 <sup>th</sup> on G	
	1+552	4+08	G
1+632			3+922
	1+41	3+902	
1+39			3+56
	1+162	3+94	
1+142			3+412
	0+92	3+992	
0+90			3+17
	0+67	3+15	
0+65			2+91
	0+442	2+89	
0+422			2+66
		2+64	

1427 - End of pipe for P et

x

0+42 is property line 15<sup>th</sup> + P

19<sup>th</sup> Street running North from Street

34

W	E		
		5+71	8+77
	2+66 $\frac{1}{2}$	5+69	8+75
2+62 $\frac{1}{2}$		5+47	8+51
	2+42	5+45	8+49
2+40		5+21	8+29
	2+19 $\frac{1}{2}$	5+19	8+24
2+14 $\frac{1}{2}$		4+96 $\frac{1}{2}$	8+02
	1+92	4+94 $\frac{1}{2}$	8+00
1+90		4+71	
	1+66	4+69	South side of
1+64		4+46	7+22 S
	1+41 $\frac{1}{2}$	4+44	6+95
1+39 $\frac{1}{2}$		4+20	6+99
	1+17	4+18	6+71
1+15			6+59
	0+91 $\frac{1}{2}$	South side M	6+45
0+89 $\frac{1}{2}$		3+42 S	6+48
	0+67	3+19	6+21
0+55		3+15	6+19
	0+42	2+92	6+95
0+40		2+90	5+93

19<sup>th</sup> Street running North from V Street

W	E		
		14+07	
11+22	6m	East for K street	
		14+05	
South line K		13+80	16+60 <sup>h</sup> over
11+02	J	13+78	16+58 <sup>h</sup>
	10+76	13+56	16+36 <sup>h</sup>
10+74		13+54	16+34 <sup>h</sup>
	10+51	13+32	16+10 <sup>h</sup>
10+49		13+30	16+08 <sup>h</sup>
	10+27	13+06	15+86 <sup>h</sup>
10+25		13+04	15+84 <sup>h</sup>
	10+02	12+81 <sup>h</sup>	15+62
9+98 <sup>h</sup>		12+79 <sup>h</sup>	15+60
	9+96	12+55	15+00 6m
9+94		12+53	by for J street East
	9+52	12+31	South line J
9+50		12+29	14+82 Jm
	9+25 <sup>h</sup>	12+07	14+56
9+23 <sup>h</sup>		12+05	14+54 <sup>h</sup>
	9+01	11+81	14+30
8+99		11+79	14+28

19<sup>th</sup> Street running North from J Street

9<sup>th</sup> E

+

18+61 End of pipe for flush Tank South line of J Street

18+364

18+346

18+12

18+10

17+87

17+85

17+61

17+59

17+57

17+35

17+11

17+09

16+87

16+85

8<sup>M</sup> street running North from B St -

W	E		
		47+04	200. South line Beach
	47+02	49+80	6m mi
	44+25	46+80	49+54 1/2
44+23	46+78	49+52 1/2	
43+99 1/2	46+17 1/2	6m of West fr. Act	
43+97 1/2		49+26	49+30
	43+74 1/2	South line Ast	49+04 1/2
43+72 1/2	46+00	9	49+02 1/2
	43+50	45+74	48+80
43+48	45+72	48+78	
	43+24 1/2	45+49 1/2	48+52 1/2
43+22 1/2	45+47 1/2	48+52 1/2	
	43+00	45+26	48+30
42+98	45+23	48+28	
42+99 1/2	6m of West fr A	48+03 1/2	
		48+01 1/2	
South line A		44+99	47+99 1/2
42+20	9	44+97	47+77 1/2
	41+94	44+75	47+55
41+92	44+73	47+53	
	41+69 1/2	44+50	47+28 1/2
41+67 1/2	44+48	49+26 1/2	

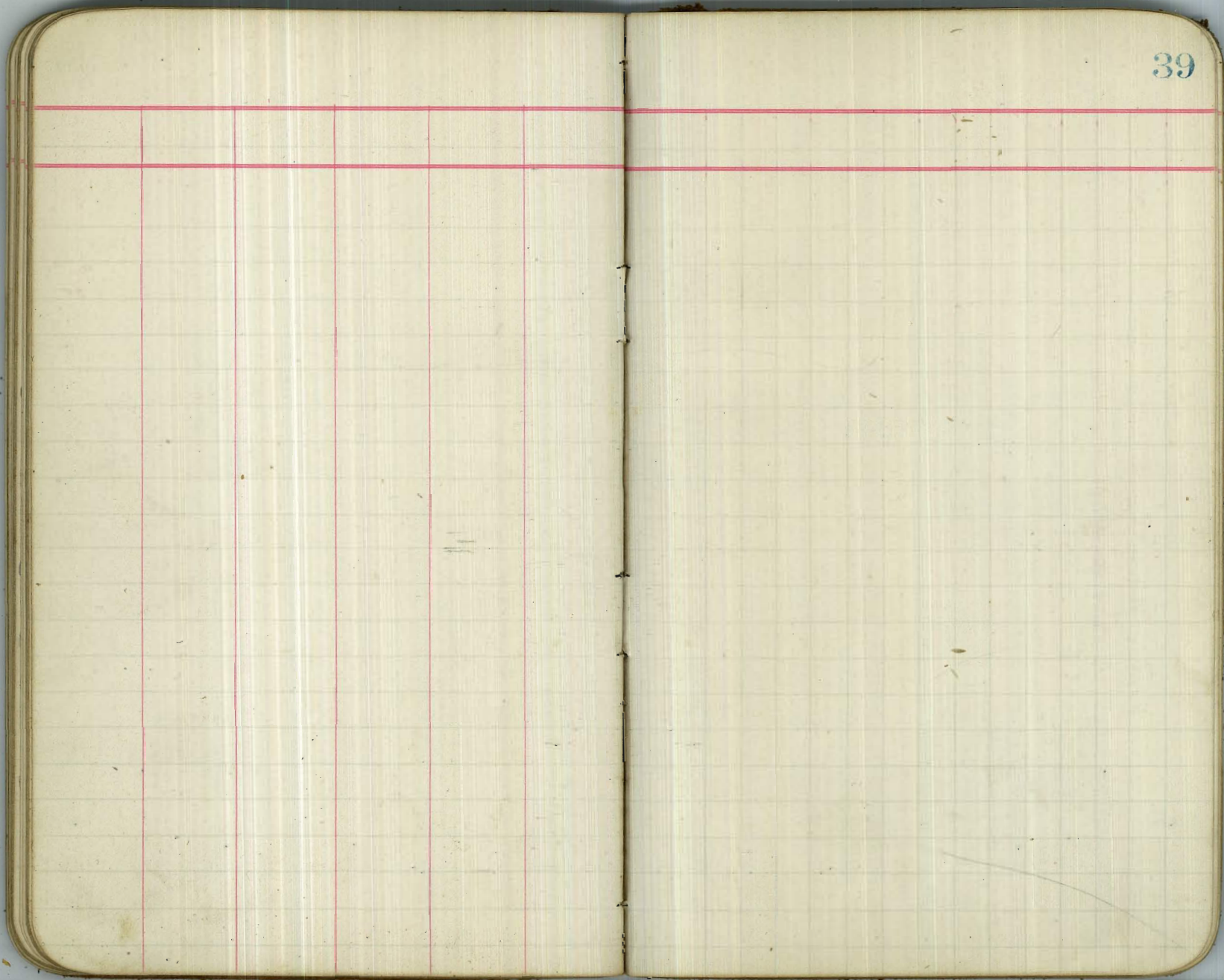
8<sup>th</sup> Street running

North from B

38

911	E		
	52+83L		53+64L
52+81L		55+62L	
	52+60		55+40
52+58		55+38	
	52+34L		55+14L
52+32L		55+12L	57+10 End of pipe on 8 <sup>th</sup> street front Tank
	52+08L		54+88L 57+07L
52+06L		54+86L	57+05L
	51+84L		54+64L 56+90
51+82L		54+62L	56+88
	51+58L		54+40 = 56+50L
51+56L		54+38	56+61L
	51+35	58+98L	6 in 3 West for Cedar
51+33			
	51+09	Joint line Cedar	56+89L
51+07		53+60 Ins	56+87L
	50+84L		53+34 56+15
50+82L		53+32	56+13
	50+60		53+10 55+90
50+58		53+08	55+88
49+98L	6 in 3		West for Cedar





I start mining East

N 9

23+33 ManHole  
over for I et

24+50<sup>2</sup>

24+48<sup>2</sup>

23+51

23+49

22+86

4 in of mining spots

22+84

4 in of mining spots

21+62

21+60

20+63<sup>2</sup>

20+61<sup>2</sup>

40  
Main line 24<sup>m</sup> / 7 / 1/2

56+72 at present 24<sup>m</sup> / 7 / 1/2

for Summit  
for Summit

A sheet running East from 6<sup>th</sup> Street 41

N | S

59+82 center of Block at 9<sup>th</sup> 10<sup>th</sup>

59+30

58+32

58+30

57+90 6 in by for 9<sup>th</sup> Street

North

55+52

56+50

55+52

55+50

54+90 Man Hole

53+9 $\frac{1}{2}$

53+69 $\frac{1}{2}$

52+72

52+90

52+12 6 in of running South for 9<sup>th</sup> Street

52+10 6 in of running North for 7<sup>th</sup> Street

Street running East from 6<sup>th</sup> Street

North Side

64+092 6 mi S for 12<sup>th</sup> Street

65+42

64+90

64+882

64+41

64+09

63+92

63+90

63+29 6 mi S North for 11<sup>th</sup> Street

62+522

62+602

62+12

62+10

61+12

61+092

60+50 6 mi S North for 10<sup>th</sup> Street

Summary East A 12<sup>th</sup> sheet

667192 man Hole End of pipe

Abatross sheet using North from summit

W	E		
	12+01		
12+99			
	12+75		
12+70			
	12+51		
12+49			
	12+25		
12+23			
	12+00		
11+98			
	11+75		
11+70			
	11+50		
11+48			
	11+25		
11+24			
	11+00	13+49	End of pipe on
10+98		13+45	6 in 3 East for
	10+75	13+43	6 in 6 West for
10+73		13+25	
		13+23	

Abatross sheet for first tank  
 1st sheet  
 2nd sheet

Address sheet running North from Union St

W E

	8+21	10+51
8+19	10+49	
	7+95-	
7+93	9+89	Con by East for Hawthorne St
	7+71	
7+69	South line Hawthorne	
	9+71	∅
7+57	E. line	9+45-
	7+45-	9+40
7+43		9+20
	7+20	9+16
7+18		8+95-
	6+95-	8+93
6+93		8+71
	6+90	8+69
6+88		8+45-
	6+2	8+43
6+10	Con by East for Grape St	
South line Grape		
	5+91	∅

## Albatross during North of winter

W	E	W	E
can	3415		5465
3413		5460	
	2490		5440
2488		5438	
	2429	cm of East for air	
			5415
	Youth line bird	5413	
	2410	Inst	4490
		4488	
	1478		4465
	1453	4463	
			4440
	1428	4438	
			4415
	1404	4413	
			3491
	0498	3489	
			3465
	0454	3463	
			3499
	0428	3497	



13<sup>#</sup> street running North from I street

W

E

21784

21784

21760

21758

21752

21732

21709

21707

21752

20783

20761

20759

20786

22734 East of

Pipe on 13<sup>th</sup> & 4<sup>th</sup> flush Tank

20734

22722 end of

20711

22796

20709

22716

19785

22708

19782

19761 north line of

19759

13<sup>th</sup> sheet covering North

from sheet

48

W E

15+81

18+05 $\frac{1}{2}$

15+99

18+03 $\frac{1}{2}$

15+04 6 mi of running W for H.M.

South from H.M.

17+79 $\frac{1}{2}$

14+81 ♂

17+97 $\frac{1}{2}$

14+55 $\frac{1}{2}$

17+55 $\frac{1}{2}$

14+53 $\frac{1}{2}$

17+53 $\frac{1}{2}$

14+91

17+29 $\frac{1}{2}$

14+29

17+29 $\frac{1}{2}$

14+05

17+05

14+03

17+03

13+81

16+81

18+99 $\frac{1}{2}$  6 mi

of running West for ♀

13+79

16+99

13+55

16+55 $\frac{1}{2}$

South from ♂

13+53

16+53 $\frac{1}{2}$

18+81 ♂

13+90 $\frac{1}{2}$

16+29 $\frac{1}{2}$

18+56

13+28 $\frac{1}{2}$

16+27 $\frac{1}{2}$

18+54

13+68 $\frac{1}{2}$

16+06

18+91 $\frac{1}{2}$

13+02 $\frac{1}{2}$

16+04

18+29 $\frac{1}{2}$

13. # street running

Notes from Le Street

W	Q	W
	10+26	12+80
10+24		12+98
	9+99 1/2	12+56
9+99 1/2		12+54
	9+75 1/2	12+30
9+73 1/2		12+28
	9+49 1/2	12+05 1/2
9+47 1/2		12+03 1/2
	9+25 1/2	11+81
9+23 1/2		11+79
	9+01	
8+99		11+19 1/2 Cor by running
	8+76	
8+74		South-side of st.
	8+50	11+01 from
8+48		10+75
	8+26	10+73
8+24		10+50
	8+01 1/2	10+48
7+99 1/2		

Went for 8 med

San Diego Apr 6<sup>th</sup> 1888

8<sup>th</sup> street sewer

at the corner of 8<sup>th</sup> street  
and Broadway

1<sup>st</sup> sheet

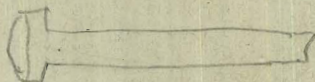
7159 East

17<sup>th</sup> sheet 2 + 10

Account of 4 manholes

20 + 0 1/2

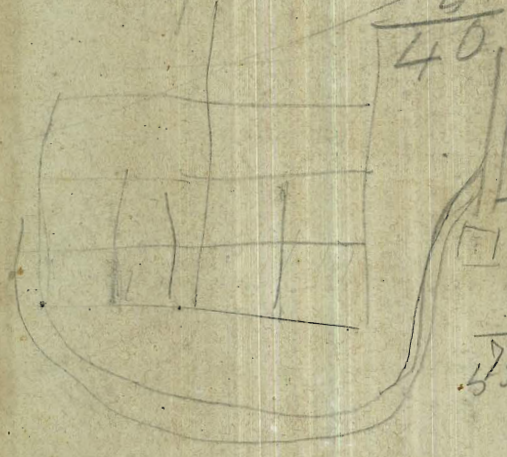
24 + 5 0 1/2



2  
7  
11

96  
 96  
 10  
 54 92

780  
 300  
 300  
 1920  
 742  
 180



444  
 12  
 7767  
 5280  
 2489  
 8800  
 58800

49+92 3205 W 1 81 ...

1920  
 1720  
 2640  
 2950  
 5280

### TRAVERSE TABLE FOR TRANSIT BOOK, From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		¼ DEGREE.		¼ DEGREE.		Decrease
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	85
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	84
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	83
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	82
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	81
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	80
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	79
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	78
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	77
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	76
10	98.48	17.96	98.40	17.79	98.33	18.22	98.25	18.65	75
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	74
12	97.81	20.79	97.72	21.22	97.68	21.64	97.53	22.07	73
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	72
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	71
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	70
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	69
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	68
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	67
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	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	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	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	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							

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