

16 GRADES 6TH ST.

9

TRANSIT

F.B. 632

632

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

Minutes.	Lks.	Minutes.	Lks.	Minutes.	Lks.
1	2½	21	49	41	95½
2	4½	22	51½	42	98
3	7	23	53½	43	100½
4	9½	24	56	44	102½
5	11½	25	58½	45	105
6	14	26	60½	46	107½
7	16½	27	63	47	109½
8	18½	28	65½	48	112
9	21	29	67½	49	114½
10	23½	30	70	50	116½
11	25½	31	72½	51	119
12	28	32	74½	52	121½
13	30½	33	77	53	123½
14	32½	34	79½	54	126
15	35	35	81½	55	128½
16	37½	36	84	56	130½
17	39½	37	86½	57	133
18	42	38	88½	58	135½
19	44½	39	91	59	137½
20	46½	40	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

MICROFILMED

DEC 14 1964

o the hill 18 ft and creek
dot 10 blk 14
dot 2

25.33

$$\begin{array}{r} 24.85 \\ 43 \overline{) 53} \\ \underline{43} \\ 100 \\ \underline{86} \\ 140 \\ \underline{129} \\ 110 \\ \underline{105} \\ 50 \\ \underline{43} \\ 70 \\ \underline{69} \\ 10 \end{array}$$

54

$$\frac{16}{45} \times 13$$

$$\frac{80}{80}$$

$$\begin{array}{r} 25.33 \\ 25.2 \\ \hline 25.13 \end{array}$$

When fall across 80 ft is

$$.50 \text{ fall due to } 14' = 0.0875$$

$$\text{" " } 26' = 0.1625$$

When fall across 80 ft is

$$1.00 \text{ fall due to } 14' = 0.175$$

$$\text{" " } 26' = 0.325$$

West East
 Curb Gutter Center Gutter Curb Sta.

West	Gutter	Center	Gutter	Curb	Sta.
					Bk
					3
					F 40
2.500	1.83	2.417	2.33	3.000	0
2.833		2.750		3.333	+ 25
3.167		3.084		3.667	+ 150
3.500		3.417		4.000	+ 75
3.833		3.750		4.333	1
4.167		4.084		4.666	+ 25
4.500		4.417	4.33	5.000	+ 50
4.833		4.750		5.333	+ 75

S Line of S St

N Line of S St

2.15
 2.42
 .27

West East
 Cent Gutter Center Gutter Cent Sta

5.167		5.084		5.668	2
5.500		5.417		6.000	+25
5.833		5.750		6.333	+50
6.167		6.083		6.668	+75
6.500	5.833	6.417	6.333	7.000	3
6.667	6.334	6.917	6.834	7.167	+40
7.500	6.833	7.417	7.333	8.000	0
7.875	7.208	7.792	7.708	8.375	+25
8.250	7.583	8.167	8.083	8.750	+50
8.625	7.958	8.542	8.458	9.125	+75

6.417
 2.175
 4.26

3 line K Street

K Street

W side of K Street

West		East			
Cont	Center	Center	Cont	Sta	

9.000	8.333	8.917	8.833	9.500	1
9.375	8.708	9.292	9.208	9.875	+25
9.750	9.083	9.667	9.583	10.250	+50
10.125	9.458	10.042	9.958	10.625	+75
10.500	9.833	10.417	10.333	11.000	2
10.875	10.208	10.792	10.708	11.375	+25
11.250	10.583	11.167	11.083	11.750	+50
11.625	10.958	11.542	11.458	12.125	+75
12.000	11.333	11.917	11.833	12.500	3
12.167	11.834	12.417	12.334	12.667	+40

S line of J St
J St

West		East			Sta
Cont	Inter	Center	Inter	Cont	
13.000	12.333	12.917	12.833	13.500	0
13.416	12.749	13.333	13.249	13.917	+25
13.833	13.166	13.750	13.666	14.333	+50
14.249	13.582	14.167	14.083	14.749	+75
14.666	13.999	14.583	14.499	15.166	1
15.083	14.416	15.000	14.916	15.583	+25
15.499	14.832	15.416	15.332	15.999	+50
15.916	15.249	15.833	15.749	16.416	+75
16.333	15.666	16.249	16.166	16.832	2
16.749	16.083	16.666	16.582	17.249	+25

N Side of A St

15.50
15.08
42

15.52
15.50
42

13.00
12.57

West

East

7

West	Center	Center	Center	East	S tol
17.166	16.499	17.083	16.999	17.666	+50
17.582	16.916	17.500	17.415	18.082	+75
18.000	17.333	17.916	17.833	18.500	3
18.167	17.803	18.417	18.333	18.667	+40
19.000	18.333	18.917	18.833	19.500	0
19.458	18.791	19.375	19.291	19.958	+25
19.917	19.249	19.833	19.749	20.417	+50
20.375	19.708	20.292	20.208	20.875	+75
20.834	20.166	20.750	20.666	21.333	1
²⁹² 21.282	20.625	21.208	21.125	21.792	+25

S line of O Sh

O Sh

N line of O Sh

West- East

Cont	Center	Center	Center	Cont	Sta
------	--------	--------	--------	------	-----

⁷⁵ 21.741	21.083	21.666	21.583	22.250	+50
²¹ 22.149	21.542	21.125	22.042	22.709	+75
¹⁷ 22.537	22.001	22.583	22.500	23.167	2
¹³ 23.116	22.459	23.041	22.956	23.625	+25
⁵⁸ 23.574	22.918	23.498	23.417	24.084	+50
⁰⁴ 24.033	23.376	23.957	23.875	24.544	+75
24.500	23.833	24.417	24.333	25.000	0
24.666	24.333	24.917	24.833	25.167	+50
25.500	24.833	25.417	25.333	26.000	0
25.954	25.291	25.875	25.791	26.456	+25

22.542

23.458

S line of H St

H St

N line of H St

West

East

Cent	Center	Center	Center	Cent	Sta
26.417	25.760	26.333	26.249	26.917	+50
26.875	26.209	26.791	26.707	27.375	+75
27.333	26.666	27.250	27.166	27.833	1
27.791	27.124	27.708	27.624	28.291	+25
28.250	27.582	28.166	28.082	28.750	+50
28.708	28.040	28.624	28.540	29.208	+75
29.167	28.499	29.083	28.999	29.667	2
29.625	28.957	29.541	29.457	30.125	+25
30.083	29.415	29.999	29.915	30.583	+50
30.542	29.874	30.457	30.363	31.042	+75
31.000	30.334	30.917	30.834	31.500	3
30.417				30.916	

3 line of S St

West Post
 curb gutter center gutter curb Sta

	30.334				717
31.17	30.834	31.417	31.334	31.67	+40
31.334	31.159		31.659	31.334	+66
32.000	31.334	31.917	31.833	32.500	0
	.357				
32.358	31.691	32.254		32.816	+25
	.358				
32.716	32.049	32.592		33.133	+50
	.359				
33.075	32.408	32.929		33.449	+75
	.358				
33.433	32.766	33.267		33.766	1
	.358				
33.791	33.124	33.604		34.083	+25
34.150	33.482	33.942		34.399	+50
34.508	33.842	34.279		34.716	+75
34.866	34.200	34.617		35.033	2

S St.
 N line of S St.

6th St. Grades

West Centre East

West	Centre	East	Sta
35.224	34.954	35.349	+25
35.583	34.917	35.666	+50
35.941	35.275	35.983	+75
36.300	35.530	35.555	3
35.716	35.633	35.633	+14
36.050	35.883	35.883	+40
36.046	36.046	36.046	+66
36.800	36.133	36.133	0
37.266	36.599	37.266	+25
37.733	37.066	37.733	+50
38.199	37.532	38.199	+75
38.666	37.999	38.666	1

35.666
666
35.000

35.983
666
35.317

S Line of T. St.

T. St.

N Line of T. St.

Paving grades on 6th St
 West Center Cost

curb	gutter	center	gutter	curb	Sta
39.133	38.466	38.800	38.466	39.133	+25
39.599	38.932	39.266	38.932	39.599	+50
40.066	39.399	39.733	39.399	40.066	+75
40.533	39.866	40.200	39.866	40.533	2
40.999	40.332	40.666	40.332	40.999	+25
41.466	40.799	41.133	40.799	41.466	+50
41.933	41.266	41.600	41.266	41.933	+75
42.400	41.733	42.066	41.733	42.400	3
	41.825		41.908(?)		
42.403	42.233	42.566	42.233	42.403	+40
	42.558		42.558(?)		
43.400	42.733	43.066	42.733	43.400	0

S Line of 6 St

6 St

N Line of 6 St

Paving grades on 6th St
West to East

Curb Gutter Center Gutter East Sta

43.991	43.324	43.674	43.366	44.033	725
44.583	43.916	44.291	43.999	44.666	750
45.174	44.508	44.903	44.633	45.350	775
45.766	45.099	45.516	45.266	45.933	1
46.358	45.691	46.128	45.899	46.566	725
46.949	46.282	46.741	46.533	47.200	750
47.541	46.874	47.353	47.166	47.833	775
48.133	47.466	47.966	47.799	48.466	2
48.724	48.057	48.578	48.433	49.100	725
49.316	48.649	49.191	49.066	49.733	750

55.41
49.32

6.09

0.5916
0.5916
0.5916
0.5916
0.5916
0.5916

West b East
 b G benta G lu Sta

49.908	49.241	49.803	49.699	50.366	+75
51.50	49.833	50.416	50.333	51.50	3
50.42	50.088	50.666	50.582	50.92	+40
51.000	50.334	50.917	50.834	51.50	0
51.417	50.751	51.313	51.209	51.875	+25
51.833	51.167	51.708	51.584	52.250	+50
52.250	51.584	52.104	51.959	52.625	+75
52.667	52.000	52.500	52.334	53.000	1
53.083	52.423	52.896	52.709	53.375	+25
53.50	52.834	53.292	53.084	53.750	+50

S line of B St
 B St
 N line of B St

West			East		
b	S	Center	S	b	Sta

53.917	53.256	53.687	53.459	54.125	+75
54.333	53.667	54.084	53.834	54.500	2
54.750	54.079	54.479	54.209	54.875	+25
55.167	54.500	54.875	54.584	55.250	+50
55.583	54.918	55.275	54.959	55.625	+75
56.000	55.334	55.667	55.334	56.000	3
55.75	55.584	55.917	55.584	55.75	+40
56.50	55.833	56.167	55.833	56.50	0
56.583	55.916	56.250	55.916	56.583	+25
56.666	55.999	56.333	55.999	56.666	+50

0.39675 - 25'

0.41666 - 25'

08325 - 25'

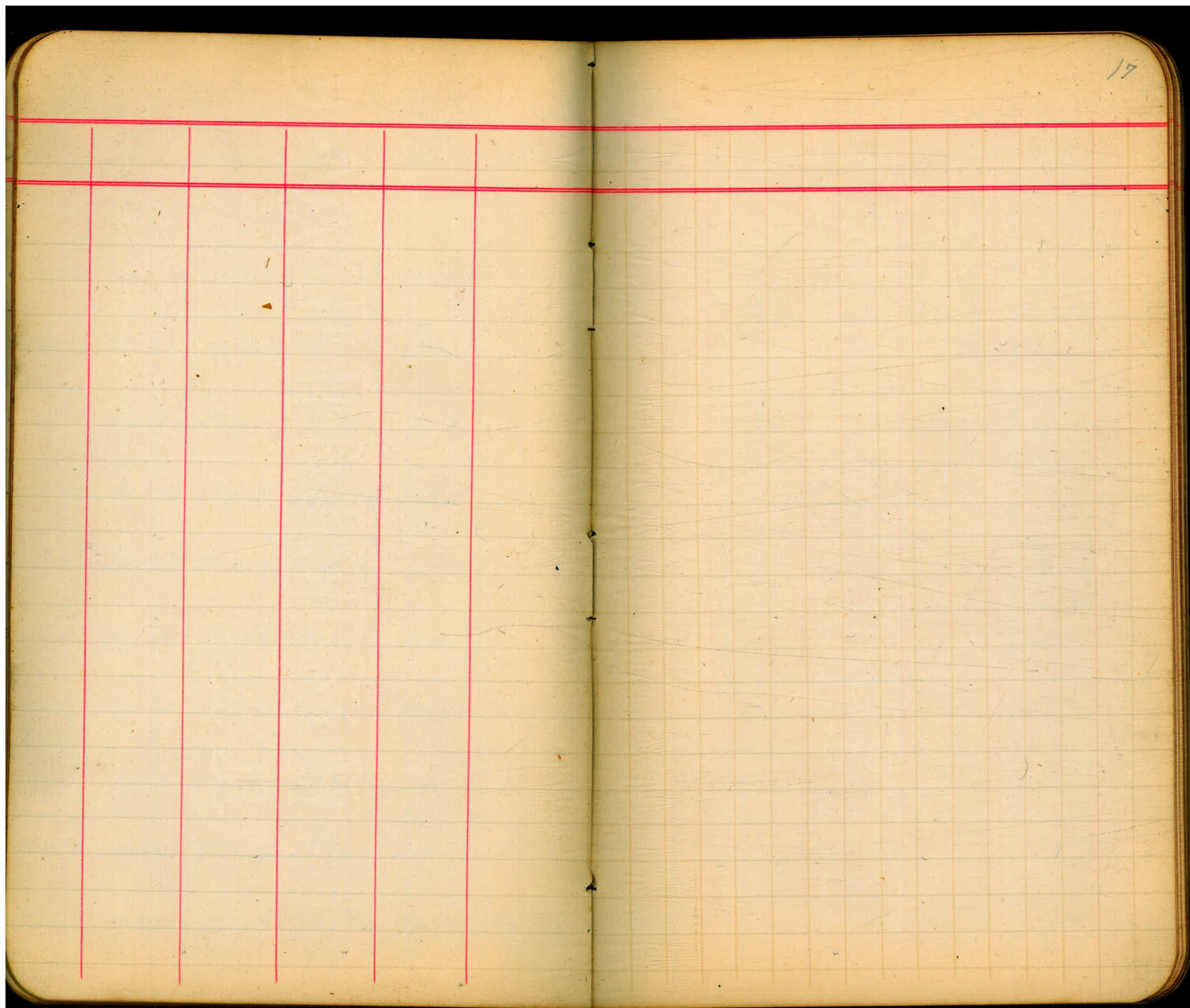
S line of b St

b St

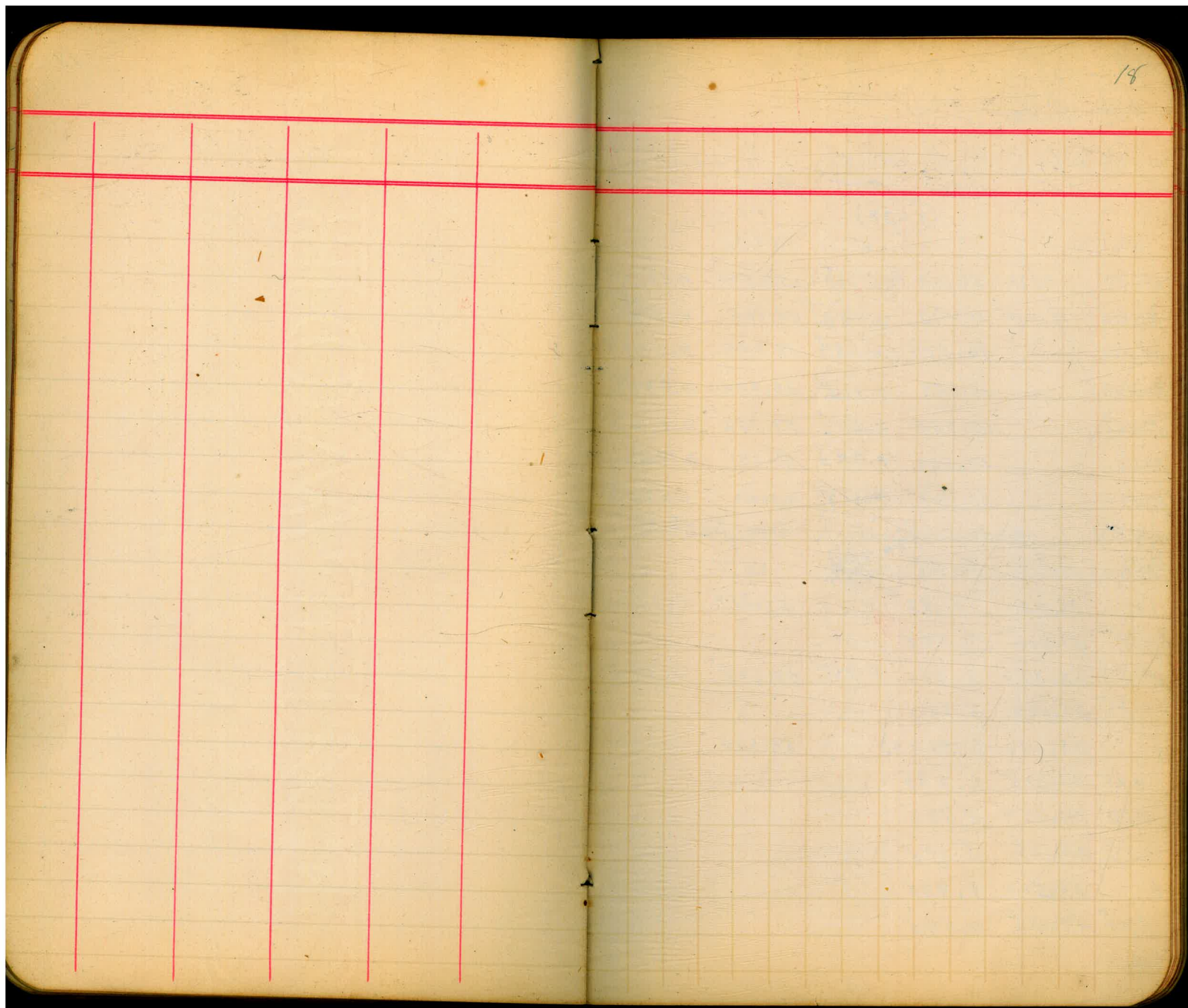
N line of b St

West		East		
G	Center	G	G	Sta
56.749	56.083	56.417	56.083	56.749 +75
56.833	56.166	56.500	56.166	56.833 1
56.916	56.249	56.583	56.249	56.916 +25
56.999	56.333	56.667	56.333	56.999 +50
57.083	56.416	56.749	56.416	57.083 +75
57.166	56.499	56.833	56.499	57.166 2
57.248	56.582	56.916	56.582	57.248 +25
57.331	56.666	57.000	56.666	57.331 +50
57.415	56.749	57.083	56.749	57.415 +75
57.50	56.833	57.167	56.833	57.50 3

5' line of B St



17



18

Excavation grades on 6th St
bet B & B St

Jan 11 1890

Hornblin

Center (19)
Williams
Remaley

West Side Rod	Center Rod	East Side Rod
	61.38	
56.50	56.167	56.500
56.666	56.333	56.666
56.833	56.500	56.833
56.999	56.667	56.999
57.166	56.833	57.166
57.331	57.000	57.331
57.500	57.167	57.500

Sta	H.O	Elv
0	3.94	61.38
+50		57.40
+100		
+150		
+200		
+250		
+300		
+350		
+400		
+450		
+500		

Curb grades on 6th from

Sta	Side Rod	Center Rod
0	51.50	59.420
+25	51.875	59.420
+50	52.250	59.420
+75	52.625	59.420
+100	53.000	59.420
+125	53.375	59.420
+150	53.750	59.420
+175	54.125	59.420
+200	54.500	59.420
+225	54.875	59.420

Sta	H.O	Elv
0	4.83	59.42
+50		58.43
+100		57.40
+150		
+200		
+250		
+300		
+350		
+400		
+450		
+500		

2.02 57.40

center on 6A St. best 188 B St

1396

Sta	+	H ₀	Grade	Prod	B ₂ m
	4.76	59.80			50.59
			56.00	3.35	
			55.584	3.766	
			55.750	3.60	
Center grade from 18 to B					
3			53.667	3.683	✓
+75			55.275	4.075	✓ .392
+130			54.875	4.475	✓ .400
+25			54.479	4.871	✓ .396
2			54.084	5.266	✓ .395
+75			53.687	5.663	✓ .397
+50			53.292	6.059	✓ .395
+25			52.896	6.454	✓ .396
1			52.500	6.850	✓ .396
+75			52.104	7.246	✓ .396
+50			51.704	7.642	✓ .396
+25			51.313	8.037	✓ .395
0			50.917	8.433	✓ .396
B ₂ m			1.95	57.40	

Center in center of B St
center grade on E side 6th & E

S line of B St

N line of 18 St

Grutter grades on W side of
6th St. B to B,

Sta	+	HD	Grade	Rod	B.P.
B.P.	7.62	54.21			50.59
0			50.334	7.876	
+50			51.167	7.043	0.833
1			52.500	6.210	0.833
+50			52.834	5.376	0.834
2			53.667	4.543	0.833
+50			54.500	3.710	0.833
3			55.334	2.876	0.834
B.P.				0.00	57.41

Cont. grades on W side of 6th from

	3.56	60.97			57.41
0			56.50	4.470	
+25			56.583	4.387	0.083
+50			56.666	4.304	0.083
+75			56.749	4.221	0.084
1			56.833	4.137	0.083
+25			56.916	4.054	0.083
+50			56.999	3.971	0.084
+75			57.083	3.887	0.084
2			57.166	3.804	0.083
+25			57.249	3.721	0.082

Jan 19 1890
Humboldt

Arthur
Williams
Hensley

B.P. 6th & B

6th & B Sta

B to C.

N side of 6th

Sta + HD Grade Rod Elev

Sta	+	HD	Grade	Rod	Elev
				3722	
+50		61.97	57.531	3.639	0.083
+75			57.415	3.565	0.084
3			57.500	3.47	0.083
B.M.				2.54	57.43
Sub grades for both sides of 5th					
B.M.	3.985	61.400			57.415
			56.500	4.900	
			56.543	4.817	0.083
			56.666	4.734	0.083
			56.749	4.651	0.083
			56.833	4.567	0.084
			56.916	4.484	0.083
			56.999	4.401	0.083
			57.083	4.317	0.084
			57.166	4.234	0.083
			57.248	4.152	0.083
			57.331	4.069	0.083
			57.415	3.985	0.084
			57.500	3.900	0.083
				2.760	57.440

Side of B St
 6th S B St
 St bet B & C
 B and 6th St
 N side of B St

S side of B St

Sta	x	AD	Grade	Rod
0.91	3.950	61.365		57.415
			56.50	4.865
checked on at the curb stake				
Check levels on curb on both side				
B.M.	4.18	61.595		57.415
0	56.500		56.500	5.095
+25	56.583		56.583	5.012
+50	56.666		56.666	4.929
+75	56.749		56.749	4.846
1	56.833		56.833	4.762
+25	56.916		56.916	4.679
+50	56.999		56.999	4.596
+75	57.083		57.083	4.512
2	57.166		57.166	4.429
+25	57.248		57.248	4.347
+50	57.331		57.331	4.264
+75	57.415		57.415	4.180
3	57.500		57.500	4.095
			3.16	58.435

6th & B Street
 N. line of C St curb stake
 of 6th St B to C
 6th and B Street
 W line of B Street
 S line of B Street

center grades on 5th St

bet B and C Sts Hamlin and Party ²⁴
 Mar 26 1990

Sta	+	HD	Grade	Rod	B.M.
B.M.	3.81	61.225			57.415
0			56.167	3.038	
+25			56.250	4.970	.083
+50			56.333	4.892	.083
+75			56.417	4.808	.084
1			56.500	4.725	.083
+25			56.583	4.642	.083
+50			56.667	4.558	.084
+75			56.749	4.476	.082
2			56.833	4.392	.084
+25			56.916	4.309	.083
+50			57.000	4.225	.084
+75			57.083	4.142	.083
3			57.167	4.058	.084
			<u>3.33</u>		
			3.725		
			2.80		58.425

57.415
 3.81
 2.25

N line of C St

S line of B Street

Grades (cont) on east side of

6th St bet K and L

Sta	+	H ₂	Grade	Road	elev
B.M.	5.79	9.54			3.75
0	3.00		3.00	6.54	
+25	3.333		3.333	6.207 ^{.333}	
+50	3.666		3.666	5.874 ^{.333}	
+75	4.000		4.000	5.540 ^{.333}	
1	4.333		4.333	5.207 ^{.333}	
+25	4.66		4.666	4.874 ^{.333}	
+50			5.000	4.540 ^{.333}	
+75			5.333	4.207 ^{.333}	
2			5.666	3.874 ^{.333}	
+25			6.000	3.540 ^{.333}	
+50			6.333	3.207 ^{.333}	
+75			6.666	2.874 ^{.333}	
3			7.000	2.540 ^{.333}	
B.M.			1215		8.328
Cont grades on W side of					
B.M.	1.18	9.50			8.02
0			2.500	7.000	
+25			2.833	6.667 ^{.333}	
+50			3.166	6.334 ^{.333}	
+75			3.500	6.000 ^{.333}	

6th and L Sts
N line of L Street

S line of K St
6th and K St
6th St bet K and L
6th and L St
N line of L St

Sta	+	HD	Grade	Rod
1		9.50	3.833	5.667
+25			4.167	5.667 [#]
+50			4.500	5.333
+75			4.833	4.667
2			5.167	4.333
+25			5.500	4.000
+50			5.833	3.667
+75			6.167	3.333
3			6.500	3.000
B.M.			5.76	3.74
Yutter grades on SW. cor of 6th and B St				
B.M.	0.55	52.620		52.07
2			47.466	
+25			48.057	
+50			48.649	3.971
+75			49.241	3.379
3			49.833	2.787
			8.06	44.56

5 line of K St
 on 6th and L St
 and B St
 6th and H St

South line of H St

Levee grade on 6th St bet C and 10th St 37

Sta	+	HD	West-East		Centre grade		Bm
			Grade	rod	Grade	rod	
0	7.21	57.80					52.39
+25		51.000	51.000	51.500	6.300 ✓	rd line of 10th St	
+30		51.417	51.417	51.875	5.925 ✓		
+35		51.833	51.833	52.250	5.550 ✓		
+40		52.250	52.250	52.625	5.175 ✓		
1		52.667	52.667	53.000	4.800 ✓		
+25		53.083	53.083	53.375	4.425 ✓		
+50		53.500	53.500	53.750	4.050 ✓		
+75		53.917	53.917	54.125	3.675 ✓		
2		54.333	54.333	54.500	3.300 ✓		
+25		54.750	54.750	54.875	2.925 ✓		
+50		55.167	55.167	55.250	2.550 ✓		
+75		55.583	55.583	55.625	2.175 ✓		
3		56.000	56.000	56.000	1.800 ✓	rd line of 10th St	
+40		55.75		55.75			
0		56.500		56.500			57.41

0.34 57.41

Sta	Grade	Rod	Sta	Grade	Rod
N line 10 St					
			(57.470)		
0	51.000	6.47	+25	51.417	6.053
+50	51.833	5.637	+75	52.150	5.220
1	52.667	4.803	+25	53.083	4.387
+50	53.500	3.970	+75	53.917	3.553
2	54.333	3.137	+25	54.750	2.720
+50	55.167	2.303	+75	55.583	1.887
3	56.00	1.470			
Center Grades on 6th St					
Sta.			(9.470)		
B.M. line of 6th St					
0	2.417	7.053	+75	4.750	4.720
+25	2.750	6.720	2	5.084	4.386
+50	3.084	6.386	+25	5.417	4.053
+75	3.417	6.053	+50	5.750	3.720
1	3.750	5.720	+75	6.084	3.386
+25	4.084	5.386	3	6.417	3.053
+50	4.417	5.053			
B.M. 6th and K St					

+ H.O. - Elev
 6.88 57.47 50.57
 B.M. 6th and C St 0.06 57.41
 bet K and L St 4/19/1890
 + H.O. - Elev
 5.72 9.47 3.750
 S line of K St
 1.15 8.32

Center Grades on 6th St bet

C and D Sts

Sta	Grade	Prod	Sta	Grade	Prod
		(57.755)			
0	50.917	6.8384	+30	53.292	4.468
+25	51.313	6.442	+75	53.687	4.068
+50	51.708	6.047	2	54.084	3.671
+75	52.104	5.651	+25	54.479	3.276
1	52.500	5.255	+50	54.875	2.880
+25	52.896	4.859	+75	55.275	2.480
			3	55.667	2.088

(57.755)

3+40	56.750	2.005			
3+40		55.579	2.236	South gutter	
" "		55.649	2.106	North gutter	
3+40		55.917	1.838	center	

Curb grades on W side of 6th St

(52.735)

0	43.400	9.335	+30	46.949	5.786
+25	43.991	8.744	+75	47.541	5.194
+50	44.583	8.152	2	48.133	4.602
+75	45.174	7.561	+25	48.724	4.011
1	45.766	6.968	+50	49.316	3.419
+25	46.358	6.377	+75	49.908	2.827

N line of 18th

B.M. 6th and C St 57.755 57.415

S line of C street

B.M. 6th and 18th 7.153 50.600

center of C street

On cable road crossing

E 4/24/1890

B.M. 2.145 52.735 50.590

3+0 50.50 2.235

Sol next page - 44.545
8.190

B.M. 6th and E

check of emb on West side
of 6th St bet. D and E

30

At Sta 1 0.11 Low.
+25 0.12 Low.
+50 0.23 Low.
+75 0.27 Low.
2 0.29 Low.

+50 0.37 High.

3 0.12 "

Sta + 120 - Elev

Bm 2.42 46.965 44.545

Bm 5.325 41.640

cut grades on West Side of 6th
(44.602)

Sta	Grade	rod	Sta.	grade	rod
0	36.800	7.802 .466	Name of F St meet		
+25	37.266	7.336 .467	+50	39.589 6	6.003 .412
+50	37.733	6.869 .466	+75	40.056 6	4.586 .461
+75	38.199	6.403 .467	2	40.523 3	4.069 .464
1	38.666	5.936 .467	+25	40.999 3	3.603 .467
+25	39.133	5.469 .467	+50	41.466 3	3.186 .467
			+75	41.933 4	2.669 .467
			5	42.400 4	2.202 .467

6th and F St

5th and E St

St bet. E and F Sts

Bm, 6.260 44.602 38.342

On West side emb at Sta

+25 0.72 Low.

South Side of C Street

0.05

44.545

44.552

Level grades on 6th St bet
F and G Sts on East Side

Sta	Grade	rod	Sta	Grade	rod
					(38.760)
0	32.500	6.260	North Line of G St		
+25	32.816	5.944	+75	34.716	4.044
+30	33.133	5.627	2	35.033	3.727
+75	33.449	5.311	+25	35.349	3.411
1	33.766	4.994	+50	35.666	3.094
+25	34.083	4.677	+75	35.983	2.777
+50	34.399	4.361	3	36.300	2.460

Sta + H.O. - Elev

0.42 38.76 38.34

At Sta 2+58 end of Walk 0.04 low
set grade

South line of F Street
bet 6th and G Sts
bet F and G Sts

33.57
33.58

5.18

Level grades on West side of 6th

(38.760)

Sta	Grade	rod	Sta	Grade	rod
0	32.000	6.760	North Line G St		
+25	32.358	6.402	+25	35.224	3.586
+50	32.716	6.044	+50	35.583	3.197
+75	33.075	5.686	+75	35.941	2.819
1	33.433	5.327	3	36.300	2.460
+25	33.791	4.969			2.79
+50	34.150	4.610			
+75	34.508	4.252			
2	34.866	3.894			

Walk on SW. cor F and 6th on W of
6th 0.12 low on S of F 0.10 low.

South line of F Street
At Sta 1+25 0.72 low on West side
1 0.51 " " " "
+75 0.43 " " " "
+50 0.26 " " " "
+25 0.17 " " " "
0 0.08 " OK on W of 6th

Center grades 6th St bet H and E Sts

Sta	Grade	Rod	Sta	Grade	Rod	+	H ₀	-	B.M.
		(52.240)							
0	43.066	9.174	North Line of E St			7.69	52.24		44.55
+25	43.678	8.562 ^{.612}	+75	47.353	4.887 ^{.612}				
+50	44.291	7.949 ^{.615}	2	47.966	4.274 ^{.615}				
+75	44.903	7.337 ^{.612}	+25	48.578	3.662 ^{.612}				
1	45.516	6.724 ^{.610}	+50	49.191	3.049 ^{.613}				
+25	46.128	6.112 ^{.612}	+75	49.803	2.437 ^{.612}				
+50	46.741	5.499 ^{.613}	3	50.416	1.824 ^{.613}				

South Line of H St
Side from H to E Street

Center grades on 6th St on East

Sta	Grade	Rod	Sta	Grade	Rod	+	H ₀	-	B.M.
		(52.140)							
0	42.733	9.507	North Line of E Street						
+25	43.366	8.874 ^{.633}	+75	47.166	5.074 ^{.633}				
+50	43.999	8.241 ^{.633}	2	47.799	4.441 ^{.633}				
+75	44.633	7.607 ^{.634}	+25	48.433	3.807 ^{.634}				
1	45.266	6.974 ^{.633}	+50	49.066	3.174 ^{.633}				
+25	45.899	6.341 ^{.633}	+75	49.699	2.541 ^{.633}				
+50	46.533	5.707 ^{.634}	3	50.333	1.907 ^{.634}				

South Line of H Street
C.M. 6th and H St. 1.65 50.59

Depth of gutter on East side of 6th bet H and E

Sta	Grade	Rod	Sta	Grade	Rod	+	H ₀	-	B.M.
0	0.73								
	0.79	+75	0.57	2	0.50				
+25	0.70	1	0.35	+25	0.49				
+50	0.60	+25		+50	0.50				
		+50	0.55	+75	0.50				

3 0.50
0.68
3 June 1881

Center grades on 8th St bet
C. and J. Sts.

Sta	+	HO	Grade	Rod	BPM
Bm	7.13				
0		44.725	36.466	8.259 766	37.595
+25			36.932	7.793 467	
+50			37.399	7.326 487	
+75			37.866	6.859 467	
1			38.333	6.392 467	
+25			38.800	5.925 486	
+50			39.266	5.459 467	
+75			39.733	4.992 467	
2			40.200	4.525 466	
+25			40.666	4.059 467	
+50			41.133	3.592 467	
+75			41.600	3.125 466	
3			42.066	2.659	
				0.18	44.545
			42.40	2.33	

North Line of J Street

0.1

Lev. grades on 6th

St. bet E & F 34
011

Sta	+	HO	Grade	rod
Bm	71.160	44.753		37.395
3		42.400	42.400	2.353 ✓
2+75		41.933	41.930	2.822 ✓ <small>.533</small>
2+50		41.466	41.466	3.289 ✓ <small>.533</small>
2+25			40.999	3.756 ✓ <small>.533</small>
2			40.533	4.222 ✓ <small>.533</small>
1+75			40.066	4.689 ✓ <small>.533</small>
1+50			39.599	5.156 ✓ <small>.533</small>
1+25			39.133	5.622 ✓ <small>.533</small>
1			38.666	6.089 ✓ <small>.533</small>
0+75				0.21 44.545
0+50				
0+25				
0				0.21 44.545

4th and 5th St
South line of E & F

Bm 6th and E St

North line of F St

Gutter grades on E St bet C and H

35

Sta + HO Gnd Rod BM

BM 0.225 44.775 44.550

0		36.133	8.642	✓
+25		36.599	8.176	✓
+50		37.066	7.709	✓
+75		37.532	7.243	✓
1		37.999	6.776	✓
+25		38.466	6.309	✓
+50		38.932	5.843	✓
+75		39.399	5.376	✓

6th and E St

2 BM 7.17 37.505

BM	4.06	36.27	32.21	
			2.65	33.62
			32.50	3.77
			31.50	4.77
			30.92	5.35

6th and D St

6th and E St
B.M. 6th and E St.
moved

checked on W. side and on cable road.

Gutter grades on 6th St bet 6th and 8th on West side 36

Sta	Grade	Rod	Sta	Grade	Rod
0	42.733				
+25	43.324		75	46.874	5.366
+50	43.916		2	47.466	
+75	44.508	7.732	+25	48.057	
1	45.099	7.141	+50	48.649	
+25	45.691	6.549	+75	49.241	
+50	46.282	5.958	2	49.833	
3+40	42.403	9.837			
"	42.233	10.007			
B.M. on ^{cross} angle of hydr at S.E. 6th and					
Grade at the intersection of					
Sta	+	H.D.	-	Elv.	
B.M.	2.85	47.400		44.55	
+40	center		42.233	5.167	✓
+40	center		42.900	4.997	
+66	"		42.558	4.892	✓
+66	"		42.733	4.667	✓
0	South		41.733	5.667	
+66			41.908	5.492	

(52.240)

Sta	+	H.D.	-	Elv.
	7.69	52.24		44.55
	52.24	48.13		
	4.11	32.24		45.77
		6.47		

South line of 6th St

Center of 8th on East side

" " " gutter carried over

B.M.	2.00	54.07	0.17	52.07
6th and 8th on East			5.30	48.77

Set of curb line

Curb grades for return at
SW cor of 6th and 8th

Sta	+	H ₂	Grade	Red
B.M.	3.335	35.545		32.210
			1.925	33.620
			32.500	3.045
			31.500	4.045
			31.000	4.545
			30.977	4.628

Gutter across 8th on West side

B.M.	0.73	45.280		44.35
3			41.650	3.630 ✓
			.083	.083 ✓
+14			41.733	3.547 ✓
			.092	.092 ✓
+14			41.825	3.455 ✓
			.408	.408 ✓
+40			42.233	3.047 ✓
			.170	.170 ✓
+40			42.403	2.877 ✓
			.155	.155 ✓
+66			42.558	2.722 ✓
			.175	.175 ✓
+66			42.733	2.547 ✓
			7.68	37.60

Spk til 6th and 8th
top by sp 17th and 4
N.E. cor of 6th and 8th
S.E. cor
S.W. cor
center on S line
side

B.M. 6th and 8th
South line of 8th 9" gutter
At intersection of curb lines
At curb on West of 6th St 7" gutter
Gutter carried across
At West of 6th St center grade
At intersection of curb lines
Gutter grades on North.

Grades for return of SW and SE cor of 6th and H St

Sta	+	H ₂	Grade Rod	B.M.
B.M.	5.105	28.161		23.056
#				
B.M.#	3.760	29.806	2.115	26.046
B.M.			2.180	27.626
3			24.500	5.306
3			25.000	4.806
			24.417	5.389
			26.000	3.806
#	8.49	34.251	4.045	25.761
B.M.#	4.525	38.146	0.63	38.621
B.M.			0.55	37.596
Sutter grades on E. side of well				
3			35.433	2.513
+75			35.317	2.829
+50			35.000	3.146
Sutter grades on 6th St along West side				
0			31.334	6.812
+25			31.691	6.455
+50			32.049	6.097
+75			32.408	5.738
1			32.766	5.380

5th and H St

6th and H S.W. Nozzle to height

Return at S.W. cor of 6th and H St

" " S.E. cor " " "

on cable road at center.

N.E. cor. $\begin{matrix} 24.50 \\ 24.417 \\ .083 \end{matrix}$ $\begin{matrix} 2.573 \\ .083 \\ 2.596 \end{matrix}$

B.M. I and 6th St

6th and F St

bet. S & F St
South of F St $\begin{matrix} 35.81 \\ 35.65 \\ 1.846 \end{matrix}$

North line of 6th St

Sta	+	H.I.	Grade	Mod.	B.M.
-----	---	------	-------	------	------

		38.146		5.380 358	
+25			33.124	5.022 ✓	
+30			33.482	4.664 358	

Grades for gutter at intersection of
B.M. 1.82 39.415 37.595

3	35.550	35.550	3.865 ✓	
+14	35.633	35.633	3.782 ✓	
"	35.716	35.716	3.699 ✓	
+40	35.883	35.883	3.532 ✓	
+40	36.05	36.050	3.365 ✓	
+66	36.046	36.046	3.369 ✓	
0	36.133	36.133	3.282 ✓	

3	35.55			
+14	35.633			
"	35.716			
+40	35.883			
+40	36.050			
+66	36.046			

5.790 33.625

5.022
667
4.355

38.415
36.30
36.115

8th and F St

South of F St

Gutter of center

Crown of center

North of F St

South of F St

North of F St

West Side

Curb grades on 6th St
between G and H Sts on

May 22 1890
West side

Hausman
Linton
Williams
Hemslery

Sta	+	H.O.	Grade	Prod	B.M.
B.M.	8.025	34.061			26.046
0			25.50	8.561	+67 = 9.231
+25			25.958	8.103	+67 = 8.773
+50			26.417	7.644	+67 = 8.314
+75			26.875	7.186	+67 = 7.856
1.			27.333	6.728	
+25			27.791	6.270	
+50			28.250	5.811	
+75			28.708	5.353	
2			29.167	4.894	
+25			29.625	4.436	
+50			30.083	3.978	
+75			30.542	3.519	
3			31.000	3.061	
B.M.				0.445	23.616

North line of H. St.

8.	34.061
25.50	25.291
67	8.770
21.83	
34.06	34.06
9.23	25.75
	8.31
34.061	
26.203	34.06
7.852	28.17
	5.89

South line of G St.

curb grades on 6th St
 between G and H Sts on East side.

36
 37
 35 41

Sta	+	H.O.	Grade	Prod	B.M.
B.M.		34.061	see preceding page		
0			26.000		
+25			26.458		
+50			26.917		
+75			27.375	6.686	✓
1			27.833	6.228	✓
+25			28.291	5.770	✓
+50			28.750	5.311	✓
+75			29.208	4.853	✓
2			29.667	4.394	✓
+25			30.125	3.936	✓
+50			30.583	3.478	✓
+75			31.042	3.019	✓
3			31.500	2.561	✓

North Line of H Street

34.78
 35.9
 4.061
 0.63
 3.978

South Line of G St.

Levelling on 6th St
on West side

Sta	+	H ₀	Grade	Red	B.M.
B.M.	7.86	27.180			19.32
0			19.000	8.18	
+25			19.458	7.722	✓
+50			19.917	7.263	✓
+75			20.375	6.805	✓
1			20.834	6.346	✓
+25			21.292	5.888	✓
+50			21.751	5.429	✓
+75			22.209	4.971	✓
2			22.667	4.513	✓
+25			23.126	4.054	✓
+50			23.584	3.596	✓
+75			24.043	3.137	✓
3			24.500	2.680	
B.M.				1.14	26.04

between H and O str 72

6th and 2th
North line of C St

South line of H St
6th and 12th

Levelling grade on 6th St
on East side.

Sta	+	H.O.	Grade	Rod	B.M.
		27.180			see preceding page
0			19.500	7.68	
+25			19.958	7.232	✓
+50			20.417	6.763	✓
+75			20.875	6.305	✓
1			21.333	5.847	✓
+25			21.792	5.388	✓
+50			22.250	4.93	✓
+75			22.709	4.471	✓
2			23.167	4.013	✓
+25			23.626	3.554	✓
+50			24.084	3.096	✓
+75			24.544	2.636	✓
3			25.000	2.18	✓

between H and O St 43

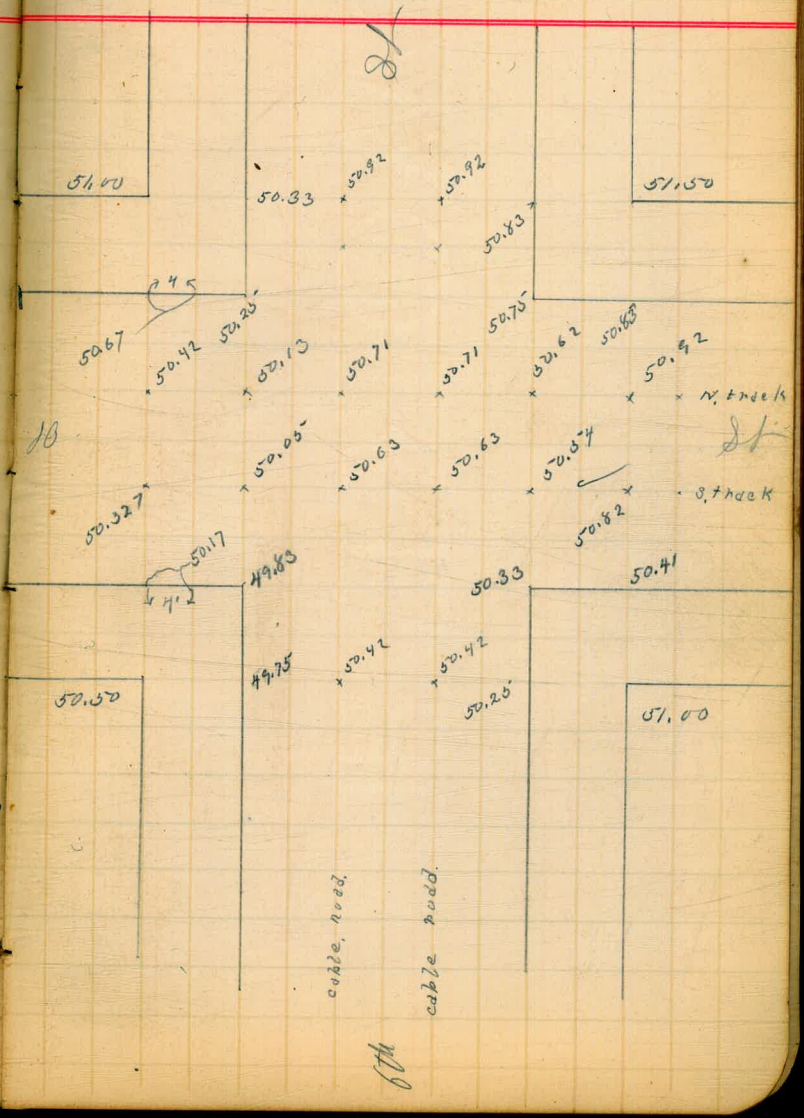
75' N of H

North line of O St

South line of H St

Check of Gravel at inter-see
of 6th and 10th

Sta	+	Hgt	Grade	Rod	B.M.
B.M.	5.65	54.43	5th and 10 St	48.78	
B.M.	6th and 10 St		2.36	52.07	
		50.17	4.26	✓	
		49.83	4.60	✓	
		49.75	4.68	✓	
		50.42	4.01	✓	
		50.32	4.11	✓	
		50.05	4.38	✓	
		50.42	4.01	✓	
		50.13	4.80	✓	
		50.25	4.18	✓	
		50.67	3.76	✓	
		50.75	3.68		
		50.83	3.60	✓	
		50.92	3.51	✓	
		50.82	3.61	✓	
		50.53	4.10	✓	
		50.41	4.01	✓	
		50.62	3.81	✓	
		50.54	3.89	✓	
		50.71	3.72	✓	
		50.63	3.80	✓	



Sta	+	H ₂ O	Grude	Rrd	B.M.
-----	---	------------------	-------	-----	------

Sta	+	H.O.	Grade	Rod	B.M.
-----	---	------	-------	-----	------

Sta	+	HO	Grade	Rod	B.M.
-----	---	----	-------	-----	------

B.M.	3.94	26.99			26.05
			24.83	4.16	
			25.17	3.82	
			24.92	4.07	

Grades for Gutter East side B^H

B.M.	+	HO	St. Rod	Grade of gutter	B.M.
					26.05
	4.17	30.22			
0			4.89	25.33	
+45			4.43	25.79	
+50			3.97	26.25	
+75			3.51	26.71	

Nozzle Hyd. S.W. cor 6th and H

} In front of S¹/₂ Lot E and Lot F in
Block 86 Horton's Addition -

Checked on old marks cut into the curb at gutter line. "set by Franklin"

June 16th 1892 -
Crowell Level
Dhaw Rod -

Sta + H.O. Grade Rod B.M.

$$\begin{array}{r} .00625 \\ 50.04275 \\ \hline 50.13375 \\ 11875 \\ \hline 50.25250 \end{array}$$

$$\begin{array}{r} 10615 \\ 56255 \\ \hline 11875 \end{array}$$

$$\begin{array}{r} 50.09 \\ 07 \\ \hline 50.02 \end{array}$$

$$\begin{array}{r} 50.09 \\ 04 \\ \hline 50.05 \end{array}$$

$$\begin{array}{r} 51.00 \\ 30.50 \\ \hline 110150 \\ 50.75 \\ 33 \\ \hline 50.42 \end{array}$$

$$\begin{array}{r} 80 \cdot 50 \\ 48 \\ \hline 284 \\ 180 \\ \hline 464 \end{array}$$

$$\begin{array}{r} .00625 \\ 50.00 \end{array}$$

$$\begin{array}{r} 50.67 \\ 30.17 \\ \hline 11087 \\ 50.42 \end{array}$$

$$\begin{array}{r} 7.25 \\ .01 \\ \hline .725 \end{array}$$

$$\begin{array}{r} 17 \\ 25 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 20 \\ 75 \\ \hline 1875 \\ .00125 \end{array}$$

52.50

$$\begin{array}{r} 25 \\ 13 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 107 \\ 11 \end{array}$$

Grader for 4" gutter on S.W.

corner of 6th and C Street - 50

Sta	+	H ₀	Grade	Rod	B.M.
B.M.	3.22	60.635			57.415
0			54.993		
+20			55.417		
+31.85			55.667	4.968	
+43.7			55.407		
+63.7			54.974		
			4.950	55.685	
			5.21	55.635	

20 South of South Line of C St

South Line of C St

Middle of Return

West Line of 6th St

20' West of West Line of 6th St

Found nail at center of curve in road
Rod

Sta	+	HD	-	Elev
B.M.				
0 B.M.	2.33	59.75		57.42
			4.19	56.56
+20 B.M.	0.20	33.77	33.78	33.57
			31.50	2.27
			7.27	26.50
+31.83			1.56	32.21
B.M.				
+43.7				
+63.7				

$$\begin{array}{r} 41.733 \\ 36.133 \\ \hline 5.600 \\ 300 \overline{) 5.600} \\ \underline{3000} \\ 2600 \\ \underline{2000} \\ 600 \\ \underline{600} \\ 000 \end{array}$$

$$\begin{array}{r} 41.733 \\ 36.133 \\ \hline 5.600 \\ 300 \overline{) 5.600} \\ \underline{3000} \\ 2600 \\ \underline{2000} \\ 600 \\ \underline{600} \\ 000 \end{array}$$

$$\begin{array}{r} 41.533 \\ 35.533 \\ \hline 6.000 \\ 400 \overline{) 6.000} \\ \underline{4000} \\ 2000 \\ \underline{2000} \\ 000 \end{array}$$

$$\begin{array}{r} 41.733 \\ 36.133 \\ \hline 5.600 \\ 300 \overline{) 5.600} \\ \underline{3000} \\ 2600 \\ \underline{2000} \\ 600 \\ \underline{600} \\ 000 \end{array}$$

$$\begin{array}{r} 126.76 \\ 7 \\ \hline 119.76 \end{array}$$

$$\begin{array}{r} 59.75 \\ 36.50 \\ \hline 31.25 \end{array}$$

S.W. of the
 Point from W of End
 to E.C. 119.76

$$\begin{array}{r} 41.866 \\ 466 \\ \hline 36.133 \\ 36.3996 \\ 066 \\ \hline 37.1466 \\ 37.532 \end{array}$$

