Return to City Engineers Office
City Hall, San Diego, Cal.

400
LEVEL

F.B. 460

Return to City Engineers Office
City Hall, San Diego, Cal.

Crooker Quality

N. W. Cor. [illegible]

Published by H. S. CROCKER COMPANY, Stationers, Drawing Materials, and Mathematical Instruments, San Francisco.

460

Table showing the difference of lat[illegible] departure in running 80 chains at any course f[illegible] minutes.

MINUTES.	LKS.	MINUTES.	LKS.	MINUTES.	LKS.
1	2⅓	21	49	41	95[illegible]
2	4⅔	22	51⅓	42	98
3	7	23	53⅔	43	100
4	9⅓	24	56	44	10[illegible]
5	11⅔	25	58⅓	45	105
6	14	26	60⅔	46	107⅓
7	16⅓	27	63	47	109⅔
8	18⅔	28	65⅓	48	112
9	21	29	67⅔	49	114⅓
10	23⅓	30	70	50	116⅔
11	25⅔	31	72⅓	51	119
12	28	32	74⅔	52	121⅓
13	30⅓	33	77	53	123⅔
14	32⅔	34	79⅓	54	126
15	35	35	81⅔	55	128⅓
16	37⅓	36	84	56	130⅓
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	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

Pages,

Sassafras — 46—50

Upas. (Idaho) 28th to 30th page 32

X-section Bean St Upas To Redwood 4/13/09 Drucker
Bean St 60 wide Shaw
B.M. hub E.L. Oregon & Park Line 325.29 Dizel

B.M.	9.85	335.14		
T.P.	2.26	333.65	3.75	331.39
	S.L. Upas St			
W			3.2	330.5
Crb			3.2	330.5
1/4			2.5	331.2
M			2.3	331.6
1/4			2.4	331.3
Crb			2.7	331.0
E			2.5	331.2
	0+25 S. of Upas			
E			3.0	330.7
Crb			2.7	331.0
1/4			2.5	331.2
M			3.2	330.5
1/4			3.2	330.5
Crb			2.9	330.8
W			3.2	330.5

POSTED

	0+50			
W			3.9	329.8
Crb			3.9	329.8
1/4			3.8	329.9
M			3.4	330.3
1/4			2.6	331.1
Crb			2.8	330.9
E			3.5	330.2
	0+75			
E			3.6	330.1
Crb			3.9	329.8
1/4			3.7	330.0
M			3.5	330.2
1/4			3.8	329.9
Crb			4.1	329.6
W			4.3	329.4

	333.65		
	1+0		
W		3.5	330.2
crb		4.2	329.5
"4		4.6	329.1
M		4.2	329.5
"4		3.9	329.8
crb		4.1	329.6
E		4.2	329.5
	1+25		
E		4.6	329.1
crb		4.2	329.5
"4		3.8	329.9
M		4.2	329.5
"4		5.1	328.6
crb		4.6	329.1
W		3.8	329.9

	1+50		
W	333.65	5.7	328.0
crb		5.6	328.1
"4		5.6	328.1
M		5.2	328.5
"4		5.2	328.5
crb		4.8	328.9
E		4.2	329.5
	1+75		
E		4.5	329.2
crb		5.1	328.6
"4		5.6	328.1
M		5.3	328.4
"4		5.5	328.2
crb		5.4	328.3
W		5.6	328.1

		333.65			
		2+0			
W			5.2	328.5	
Crb			6.2	327.5	
1/4			5.7	328.0	
M			4.8	328.9	
1/4			5.1	328.6	
Crb			5.9	327.8	
E			5.8	327.9	
		2+25			
E			5.7	328.0	
Crb			5.0	328.7	
1/4			5.3	328.4	
M			6.6	327.1	
1/4			6.8	326.9	
Crb			6.8	326.9	
W			6.1	327.6	

		2+50			
W			6.8	326.9	
Crb			7.0	326.7	
1/4			6.7	326.0	
M			6.2	327.5	
1/4			5.4	328.3	
Crb			5.5	328.2	
E			5.9	327.8	
		2+75			
E			6.9	326.8	
Crb			6.7	327.0	
1/4			6.4	327.3	
M			7.0	326.7	
1/4			7.2	326.5	
Crb			6.8	326.9	
W			6.7	327.0	x-
T.P.	3.07	329.67	7.05	326.60	x-sec stake sta 3+00 w-side

	329.67		
	3+0		
W		3.1	326.6
Crk		2.7	327.0
"4		3.4	326.3
M		3.5	326.2
"4		2.6	327.1
Crk		2.0	327.7
E		3.0	326.7
	3+25		
E		3.2	326.5
Crk		2.8	326.9
"4		2.1	327.6
M		3.5	326.1
"4		3.8	325.9
Crk		3.9	325.8
W		4.0	325.7

	3+50		
W	329.67	2.8	326.9
Crk		3.3	326.4
"4		4.0	325.7
M		3.7	326.0
"4		3.0	326.7
Crk		2.8	326.9
E		3.0	326.7
	3+75		
E		2.8	326.9
Crk		3.4	326.3
"4		4.0	325.7
M		3.5	326.2
"4		2.7	327.0
Crk		3.8	325.9
W		4.7	325.0

329.67

4+0

W	4.5	325.2
Crb	4.2	325.5
1/4	3.7	326.0
M	3.6	326.1
1/4	3.6	326.1
Crb	4.0	325.7
E	3.8	325.9

4+25

E	3.6	326.1
Crb	3.5	326.2
1/4	3.4	326.3
M	4.0	325.7
1/4	4.0	325.7
Crb	4.3	325.4
W	4.7	325.0

4+50

W	5.3	324.4
Crb	4.8	324.9
1/4	4.3	325.4
M	4.3	325.4
1/4	4.1	325.6
Crb	4.0	325.7
E	4.0	325.7

4+75

E	4.2	325.5
Crb	3.9	325.8
1/4	4.3	325.4
M	4.2	325.5
1/4	3.5	326.2
Crb	3.8	325.9
W	4.7	325.0

329.67

5+0

W	5.7	324.0
Crb	5.1	324.6
"4	5.0	324.7
M	2.9	325.8
"4	4.3	325.4
Crb	4.6	325.1
E	4.4	325.3

5+25

E	4.3	325.4
Crb	4.9	324.8
"4	5.2	324.5
M	4.5	325.2
"4	4.8	324.9
Crb	4.2	325.5
W	5.2	324.5

5+50

W	6.0	323.7
Crb	6.0	323.7
"4	5.8	323.9
M	5.7	324.0
"4	5.4	324.3
Crb	5.1	324.6
E	4.1	325.6

5+75

E	5.3	324.4
Crb	4.9	324.8
"4	5.6	324.1
M	5.3	324.4
"4	4.9	324.8
Crb	4.8	324.9
W	5.8	323.9

329.67

6+0 = N.L. Thorn 60 Wide

W	5.6	324.1
Crb	4.6	325.1
℄	4.8	324.9
M	5.2	324.5
℄	6.0	323.7
Crb	6.1	323.6
E	5.4	324.3

N curb

E	5.1	324.6
Crb	6.0	323.7
℄	6.3	323.4
M	6.2	323.5
℄	5.1	324.6
Crb	4.9	324.8
W	5.7	324.0

N ℄

W	5.8	323.9
Crb	5.7	324.0
℄	6.3	323.4
M	6.2	323.5
℄	5.7	324.0
Crb	6.1	323.6
E	5.2	324.5

Center

E	6.1	323.6
Crb	5.7	324.0
℄	5.3	324.4
M	5.9	323.8
℄	6.5	323.2
Crb	5.7	324.0
W	5.1	324.6

329.67

S 11 thorne

W	5.8	323.9
crb	6.1	323.6
1/4	6.3	323.4
M	6.4	323.3
1/4	5.8	323.9
crb	6.0	323.7
E	6.3	323.4

S. curb

E	5.7	324.0
crb	6.6	323.1
1/4	6.4	323.3
M	6.1	323.6
1/4	5.7	324.0
crb	6.1	323.7
W	6.5	323.2

S.L. Thorne St

W	6.4	323.3
crb	6.0	323.7
1/4	5.9	323.8
M	5.9	323.8
1/4	6.7	323.0
crb	6.6	323.1
E	6.3	323.4

0+25 S. of Thorne

E	6.9	322.8
crb	7.1	322.6
1/4	7.2	322.5
M	6.6	323.1
1/4	7.2	322.5
crb	7.1	322.6
W	7.3	322.4

329.67

0+50

W	7.9	321.8
crk	7.5	322.2
"A	6.2	323.5
M	5.9	323.8
"A	6.6	323.1
crk	6.6	323.1
E	6.7	323.0

0+75

E	7.2	322.5
crk	7.3	322.4
"A	6.7	323.0
M	7.3	322.4
"A	7.8	321.9
crk	8.0	321.7
W	8.1	321.6

1+0

W	8.2	321.5
crk	6.8	322.9
"A	6.4	323.3
M	6.7	323.0
"A	7.2	322.5
crk	7.2	322.5
E	6.8	322.9

1+25

E	6.6	323.1
crk	6.6	323.1
"A	7.1	322.6
M	7.0	322.7
"A	7.0	322.7
crk	7.9	321.8
W	8.3	321.4

		329.67		
		1+50		
W			8.4	321.3
Crk			8.2	321.5
1/4			7.7	322.0
M			7.5	322.2
1/4			7.2	322.5
Crk			7.1	322.6
E			6.7	323.0
		1+75		
E			6.7	323.0
Crk			6.8	322.9
1/4			6.8	322.9
M			7.1	322.6
1/4			7.5	322.2
Crk			8.0	321.7
W			8.4	321.3

		2+0		
W			7.8	321.9
Crk			7.8	321.9
1/4			7.2	322.5
M			6.1	323.6
1/4			6.0	323.7
Crk			6.1	323.6
E			6.5	323.2
T.P.	3.18	325.81	7.04	322.63
		2+25		
E			3.1	322.7
Crk			3.2	322.6
1/4			2.9	322.9
M			3.3	322.5
1/4			3.7	322.1
Crk			4.2	321.6
W			4.7	321.1

325.81

2+61.8 = N.L. SPRUCE St. 60' wide

W	4.2	321.6
Crb	4.3	321.5
W/4	4.1	321.7
M	3.4	322.4
W/4	2.9	322.9
Crb	3.0	322.8
E	3.1	322.7

N. curb

E	3.1	322.7
Crb	3.5	322.3
W/4	3.4	322.4
M	3.6	322.2
W/4	3.9	321.9
Crb	4.3	321.5
W	4.3	321.5

N W/4

W	4.5	321.3
Crb	4.2	321.6
W/4	3.6	322.2
M	3.5	322.3
W/4	3.4	322.4
Crb	3.7	322.1
E	3.4	322.4

Center

E	3.5	322.3
Crb	3.7	322.1
W/4	3.5	322.3
M	3.4	322.4
W/4	3.6	322.2
Crb	4.4	321.4
W	4.6	321.2

325.81

S 1/4

W	4.7	321.1
Crb	4.3	321.5
1/4	3.8	322.0
M	3.8	322.0
1/4	3.7	322.1
Crb	3.5	322.3
E.	3.3	322.5

S Curb

E	3.0	322.8
Crb	3.4	322.4
1/4	3.7	322.1
M	3.6	322.2
1/4	3.9	321.9
Crb	4.5	321.3
W	4.8	321.0

S.L. S Pruce

W	4.5	321.3
Crb	4.3	321.5
1/4	4.0	321.8
M	3.7	322.1
1/4	3.7	322.1
Crb	3.5	322.3
E.	2.9	322.9

0+25 S of Spruce

E	3.5	322.3
Crb	3.7	322.1
1/4	3.7	322.1
M	3.7	322.1
1/4	4.0	321.8
Crb	4.7	321.1
W	4.8	321.0

325.81

0+50

W	4.7	321.1
Crb	4.7	321.1
1/4	4.4	321.4
M	4.1	321.7
1/4	4.0	321.8
Crb	4.0	321.8
E	3.5	322.0

0+75

E	4.1	321.7
Crb	4.3	321.5
1/4	4.1	321.7
M	4.3	321.5
1/4	4.6	321.2
Crb	5.0	320.8
W	5.1	320.7

1+0

W	5.4	320.4
Crb	5.1	320.7
1/4	4.8	321.0
M	4.7	321.1
1/4	4.7	321.1
Crb	4.7	321.1
E	4.7	321.1

1+25

E	5.0	320.8
Crb	5.3	320.5
1/4	5.2	320.6
M	5.1	320.7
1/4	5.3	320.5
Crb	5.3	320.5
W	5.3	320.5

325.81

1+50

W	5.6	320.2
Crb	5.5	320.3
1/4	5.6	320.2
M	5.6	320.2
1/4	5.6	320.2
Crb	5.8	320.0
E	5.8	320.0

1+75

E	6.4	319.4
Crb	6.3	319.5
1/4	6.0	319.8
M	6.0	319.8
1/4	5.9	319.9
Crb	6.0	319.8
W	5.7	320.1

2+0

W	6.4	319.4
Crb	6.3	319.5
1/4	6.3	319.5
M	6.2	319.6
1/4	6.3	319.5
Crb	6.6	319.2
E	6.6	319.2

2+25

E	6.9	318.9
Crb	6.9	318.9
1/4	6.7	319.1
M	6.7	319.1
1/4	6.7	319.1
Crb	6.6	319.2
W	5.9	319.9

325.81

2+50

W	6.7	319.1
Crb	6.8	319.0
11/9	6.9	318.9
M	6.7	319.1
11/9	6.8	319.0
Crb	7.1	318.7
E	7.3	318.5

2+78 ½ = N.L. Redwood 5+57'

E	7.3	318.5
Crb	7.5	318.3
11/9	7.0	318.8
M	6.8	319.0
11/9	7.0	318.8
Crb	6.7	319.1
W	6.7	319.1
	7.5	
	6.75	319.06

POSTED

x-section on Redwood St			28th to 30th St		Dunkle
Redwood 57' wide					Shaw
B.M. hub N.W. cor Beard			Redwood	314.06	Dizick
B.M.	411	323.17			
	F.L. 28th St				
				POSTED	
N		POSTED	13.5	309.7	
Crb			13.8	309.4	
1/4			13.9	309.3	
M			13.9	309.3	
1/4			14.1	309.1	
Crb			14.2	309.0	
S			14.2	309.0	
	0+25 F. of 28th St				
S			12.8	310.4	
Crb			13.0	310.2	
1/4			12.7	310.5	
M			12.5	310.7	
1/4			12.2	311.0	
Crb			12.5	310.7	
N			12.4	310.8	

	0+50			
N	32317	10.9	312.3	
		11.0		
Crb		11.3	311.9	
1/4		11.3	311.9	
M		11.4	311.8	
1/4		11.6	311.6	
Crb		11.9	311.3	
S		11.6	311.6	
	0+75			
S		10.2	313.0	
Crb		10.7	312.5	
1/4		10.3	312.9	
M		10.1	313.1	
1/4		9.9	313.3	
Crb		9.9	313.3	
N		9.6	313.6	

	323.17		
61	1+0		
N		8.5	314.7
Crb		8.9	314.3
"4		9.0	314.2
M		9.0	314.2
"4		9.1	314.1
Crb		9.3	313.9
+4		9.2	314.0
+5		8.5	314.7
5		8.7	314.5
	1+25		
5		8.3	314.9
Crb		8.6	314.6
"4		8.0	315.2
M		7.7	315.5
"4		7.6	315.6
Crb		8.1	315.1
2		8.0	315.2
3		7.5	315.7
N		7.7	315.5

	323.2		
1+50			
N		6.9	316.3
+7		6.7	316.5
+8		7.2	316.0
Crb		7.2	316.0
"4		6.9	316.3
M		6.9	316.3
"4		7.3	315.9
Crb		7.8	315.4
5		7.1	316.1
1+75			
5		6.2	317.0
Crb		6.8	316.4
"4		6.4	316.8
M		6.0	317.2
"4		6.2	317.0
Crb		6.5	316.7
N		5.9	317.3

323.17

2+0

N	5.2	318.0
crb	5.9	317.3
"4	5.5	317.7
M	5.2	318.0
"4	5.6	317.6
crb	6.1	317.1
S	6.0	317.2

2+25

S	5.5	317.7
crb	5.7	317.5
"4	5.1	318.1
M	4.8	318.4
"4	5.1	318.1
crb	5.3	317.9
N	4.9	318.3

323.2

2+70 = W.L. Bean St 60' Wide

N	4.1	319.1
+7	4.1	319.1
+8	4.6	318.6
crb	4.5	318.7
"4	4.5	318.7
M	4.4	318.8
"4	4.9	318.3
crb	5.2	318.0
+2	5.1	318.1
+3	4.7	318.5
S	4.6	318.6

W. Cor 6

S	4.7	318.5
crb	5.2	318.0
"4	4.8	318.4
M	4.4	318.8
"4	4.5	318.7
crb	4.5	318.7
N	3.9	319.3

323.17

W 1/4

N	4.4	318.8
Crb	4.4	318.8
1/4	4.5	318.7
M	4.6	318.6
1/4	4.7	318.5
Crb	4.9	318.3
S	5.1	318.1

Center

S	4.9	318.3
Crb	4.9	318.3
1/4	4.8	318.4
M	4.6	318.6
1/4	4.5	318.7
Crb.	4.3	318.9
N	4.2	319.0

E 1/4

N	4.3	318.9
Crb	4.4	318.8
1/4	4.7	318.5
M	5.0	318.2
1/4	5.1	318.1
Crb	5.4	317.8
S	5.4	317.8

E. Curb

S	5.8	317.4
Crb	5.7	317.5
1/4	5.2	318.0
M	5.0	318.2
1/4	5.0	318.2
Crb	4.9	318.3
N	4.7	318.5

323.17

E. L. Bean St

N			4.6	318.6
crb			5.2	318.0
1/4			5.2	318.0
M			5.2	318.0
1/4			5.6	317.6
crb			5.9	317.3
+7			6.1	317.1
+9			5.3	317.9
S			4.9	318.3
T.P.	7.00	326.06	4.11	319.06

0+25 E. of Bean

S			7.7	318.4
+5			8.2	317.9
+7			8.9	317.2
crb			8.8	317.3
1/4			8.5	317.6
M			8.3	317.8
1/4			8.5	317.6
crb			8.6	317.5
N			8.2	317.9

0+50

N			7.3	318.3
crb			8.4	317.7
1/4			8.5	317.6
M			8.5	317.6
1/4			8.6	317.5
crb			8.8	317.3
+6			8.7	317.4
+7			8.2	317.9
S			7.9	318.2

0+75

S			7.6	318.5
crb			8.4	317.7
1/4			8.4	317.7
M			8.3	317.8
1/4			8.3	317.8
crb			8.7	317.4
N			7.8	318.3

326.06

1+0

N	7.7	318.4
crb	8.2	317.9
1/4	7.8	318.3
M	7.7	318.4
1/4	7.8	318.3
crb	8.1	318.0
+ 3	8.0	318.1
+ 5	7.5	318.6
9	7.4	318.7

1+25

5	6.9	319.2
+ 6	6.9	319.2
+ 7	7.5	318.6
crb	7.4	318.7
1/4	7.3	318.8
M	7.1	319.0
1/4	7.2	318.9
crb	7.5	318.6
N	7.2	318.9

1+50

N	6.5	319.6
crb	6.7	319.4
1/4	6.3	319.8
M	6.1	320.0
1/4	6.3	319.8
crb	6.5	319.6
+ 3	6.7	319.4
+ 4	6.1	320.0
5	6.1	320.0

1+75

5	5.5	320.6
+ 5	5.6	320.5
+ 6	6.2	319.9
crb	5.8	320.3
1/4	5.6	320.5
M	5.3	320.8
1/4	5.6	320.5
crb	6.0	320.1
+ 2	5.8	320.3
+ 3	5.3	320.8
N	5.6	320.5

326.06

2+0

N	5.1	321.0
+7	5.1	321.0
+8	5.5	320.6
Crb	5.4	320.7
1/4	5.0	321.1
M	4.8	321.3
1/4	5.0	321.1
Crb	5.4	320.7
+4	5.8	320.3
+5	5.2	320.9
S	5.3	320.8

2+25

S	5.0	321.1
+4	4.9	321.2
+5	5.4	320.7
Crb	5.0	321.1
1/4	4.8	321.3
M	4.6	321.5
1/4	4.5	321.6
Crb	4.9	321.2
+2	4.9	321.2
+3	4.5	321.7
N	4.6	321.5

326.06

2+70 = W.L. 29th St 60' wide

N	4.2	321.9
+7	4.2	321.9
+9	4.8	321.3
Crb	4.5	321.6
1/4	4.3	321.8
M	4.4	321.7
1/4	4.5	321.6
Crb	4.6	321.5
+5	4.9	321.2
+6	4.6	321.5
S	4.7	321.4

W. Curb 29th

S	4.6	321.5
Crb	4.7	321.4
1/4	4.5	321.6
M	4.4	321.7
1/4	4.3	321.8
Crb	4.5	321.6
+2	4.6	321.5
+3	4.1	322.0
N	4.0	322.1

326.06

W ¼ 29th St

N	3.8	322.3
+ 7	3.9	322.2
+ 8	4.4	321.7
Crb	4.4	321.7
¼	4.2	321.9
N	4.2	321.9
¼	4.3	321.8
Crb	4.7	321.4
S	4.9	321.2

center

S	4.5	321.6
Crb	4.5	321.6
¼	4.3	321.8
N	4.2	321.9
¼	4.2	321.9
Crb	4.4	321.7
+ 2	4.5	321.6
+ 3	4.0	322.1
N	4.1	322.0

326.06

E ¼

N	4.2	321.9
Crb	4.5	321.6
¼	4.3	321.8
N	4.2	321.9
¼	4.4	321.7
Crb	4.7	321.4
S	4.7	321.4

E. Curb

S	4.9	321.2
Crb	4.9	321.2
¼	4.6	321.5
N	4.5	321.6
¼	4.5	321.6
Crb	4.5	321.6
N	4.2	321.9

326.06

E. L. 29th ST

N	4.3	321.8
Crb	4.6	321.5
W	4.6	321.5
M	4.6	321.5
W	4.7	321.4
Crb	5.2	320.9
S	4.7	321.4

0+25 E. of 29th ST

S	5.1	321.0
Crb	5.3	320.8
W	5.0	321.1
M	4.6	321.5
W	4.8	321.3
Crb	5.0	321.1
N	4.8	321.3

0+50

N	4.6	321.5
Crb	5.4	320.7
W	5.1	320.0
M	4.9	321.2
W	5.2	320.9
Crb	5.6	320.5
S	5.4	320.7

0+75

S	6.0	320.1
Crb	6.0	320.1
W	5.7	320.4
M	5.5	320.6
W	5.8	320.3
Crb	6.0	320.1
N	5.7	320.4

326.06

1+0

N	6.7	319.4
+6	6.7	319.4
+7	7.4	318.7
Crb	7.0	319.1
11/4	6.8	319.3
M	6.7	319.4
11/4	6.8	319.3
Crb	7.0	319.1
+3	7.1	319.0
+4	6.6	319.5
S	6.7	319.4

1+25

S	8.2	317.9
+5	7.9	318.2
+6	8.5	317.6
Crb	8.5	317.6
11/4	8.2	317.9
M	8.1	318.0
11/4	8.3	317.8
Crb	8.5	317.6
+2	8.6	317.5
+3	8.1	318.0
N	8.1	318.0

1+50

N	9.3	316.8
+7	9.3	316.8
+8	9.9	316.2
Crb	9.9	316.2
11/4	9.3	316.8
M	9.1	317.0
11/4	9.4	316.7
Crb	10.0	316.1
+3	10.0	316.1
+4	9.5	316.6
S	9.6	316.5

1+75

S	10.5	315.6
+6	10.4	315.7
+7	11.1	315.0
Crb	11.2	314.9
11/4	10.8	315.3
M	10.5	315.6
11/4	10.5	315.6
Crb	10.9	315.2
N	10.5	315.6

		326.06		
		2+0		
N			11.2	314.9
crb			11.7	314.4
"a			11.5	314.6
M			11.4	314.7
"a			11.7	314.4
crb			12.1	314.0
S			12.1	314.0
		2+25		
S			12.8	313.3
crb			12.7	313.4
"a			12.0	314.1
M			11.6	314.5
"a			12.0	314.1
crb			12.3	313.8
+2			12.3	313.8
+3			11.8	314.3
N			11.5	314.6
T.P.	4.86	318.77	12.15	313.91

		318.77		
		2+70= W.L. Dale St 60' wide		
N			4.8	314.0
crb			5.5	313.3
"a			5.2	313.6
M			4.7	314.1
"a			5.1	313.7
crb			5.6	313.1
+2			5.6	313.2
+3			5.0	313.8
S			5.2	313.6
		W. curb		
S			5.1	313.7
+7			5.0	313.8
+8			5.5	313.3
crb			5.4	313.4
"a			4.9	313.9
M			4.7	314.1
"a			5.1	313.7
crb			5.1	313.7
N			4.6	314.2

318.77

W. 1/4

N	4.0	314.8
crb	4.7	314.1
1/4	4.7	314.1
M	4.5	314.3
1/4	4.8	314.0
crb	5.3	313.5
+2	5.3	313.5
+3	4.7	314.1
S	5.0	313.8

Center

S	4.7	314.1
+5	4.5	314.3
+9	5.1	313.7
crb	5.1	313.7
1/4	4.7	314.1
M	4.3	314.5
1/4	4.6	314.2
crb	4.5	314.3
N	4.0	314.8

E 1/4

N	4.1	314.7
crb	4.5	314.3
1/4	4.4	314.4
M	4.1	314.7
1/4	4.4	314.4
crb	4.8	314.0
+2	4.8	314.0
+3	4.2	314.6
S	4.5	314.3

E curb

S	4.5	314.3
+8	3.7	315.1
+9	4.6	314.2
crb	4.7	314.1
1/4	4.3	314.5
M	4.0	314.8
1/4	4.4	314.4
crb	4.4	314.4
N	4.1	314.7

318.74

E.L. Dale St

N	3.8	315.0
crb	4.4	314.4
1/4	4.2	314.6
M	4.0	314.8
1/4	4.3	314.5
crb	4.6	314.2
+2	4.4	314.4
+3	3.9	314.9
S	4.4	314.4

0+25 E of Dale St

S	4.6	314.2
crb	4.9	313.9
1/4	4.5	314.3
M	3.9	314.9
1/4	4.1	314.7
crb	4.4	314.4
N	4.1	314.7

0+50

N	4.0	314.8
crb	4.4	314.4
1/4	4.3	314.5
M	4.1	314.7
1/4	4.4	314.4
crb	4.7	314.1
S	4.4	314.4

0+75

S	4.7	314.1
crb	4.9	313.9
1/4	4.2	314.6
M	3.8	315.0
1/4	4.0	314.8
crb	4.3	314.5
N	3.8	315.0

	318.77		
	140		
N		4.1	314.7
crb		4.5	314.3
1/4		4.2	314.6
M		4.1	314.7
1/4		4.4	314.4
crb		4.8	314.0
S		4.2	314.6
	1425		
S		4.6	314.2
crb		4.8	314.0
1/4		4.3	314.5
M		4.0	314.8
1/4		4.3	314.5
crb		4.6	314.2
N		4.1	314.7

	1450		
N		4.4	314.4
crb		4.7	314.1
1/4		4.4	314.4
M		4.2	314.6
1/4		4.4	314.4
crb		4.7	314.1
S		4.7	314.1
	1495		
S		5.0	313.8
crb		5.0	313.8
1/4		4.6	314.2
M		4.6	314.2
1/4		4.8	314.0
crb		5.2	313.6
N		4.8	314.0

318.77

2+0

N	5.6	313.2
crb	6.0	312.8
1/4	5.5	313.3
M	5.4	313.4
1/4	5.5	313.3
crb	5.7	313.1
S	5.7	313.1

2+25

S	6.3	312.5
crb	6.8	312.0
1/4	6.9	311.9
M	6.7	312.1
1/4	6.9	311.9
crb	7.0	311.8
N	7.0	311.8

2+66.3 = W.L. 30th St

N	318.77	12.1	306.7
crb		11.1	307.7
1/4		10.5	308.3
M		9.8	309.0
1/4		9.4	309.4
crb		9.4	309.4
S		9.2	309.6

X-section Upas St Idaho To 30th St 4/15/09 Dunsch
Upas St 80.6 side at Idaho 878.7 side at 30th St Shaw
B.M. Mon N. Cor Park 330.14 Dizel
B.M. 6.81 336.95

0+0 = E.L. Idaho St on N. side Upas

POSTED

S			7.2	329.8
Crb			7.6	
1/4			7.3	
M			7.3	329.7
1/4			7.0	
Crb			6.4	
N			6.4	330.6

0+44 = E.L. 28th St on S. side Upas

N			5.3	331.7
Crb			5.8	
1/4			6.6	
M			6.5	330.5
1/4			6.3	
Crb			6.5	
S			7.4	329.6

0+75

S		336.95	7.6	329.4
Crb			7.1	
1/4			7.0	
M			7.3	329.7
1/4			7.3	
Crb			7.3	
N			7.1	329.9

1+0

N			5.9	331.1
Crb			6.9	
1/4			7.4	
M			6.7	330.3
1/4			6.4	
Crb			7.5	
S			7.6	329.4

	336.95		
	1+25		
S		8.0	329.0
Crb		7.9	
1/4		7.4	
M		7.1	329.9
1/4		7.5	
Crb		7.5	
N		7.1	329.9
	1+50		
N		7.3	329.7
Crb		6.8	
1/4		6.5	
M		7.3	329.7
1/4		7.7	
Crb		7.1	
S		6.8	330.2

	1+75		
S		7.4	329.6
Crb		7.3	
1/4		7.3	
M		7.0	330.0
1/4		6.8	
Crb		6.5	
N		6.5	330.5
	2+0 = W.L. Utah St 80' wide		
N		4.9	332.1
Crb		6.9	
1/4		6.8	
M		6.5	330.5
1/4		6.2	
Crb		6.8	
S		7.2	329.8

336.95

W. Curb

S	6.4	330.6
Crb	5.7	
W/G	5.3	
M	5.5	331.5
W/G	6.3	
Crb	6.0	
N	5.15	331.9

W W/G

N	5.7	331.3
Crb	5.6	
W/G	6.2	
M	6.1	330.9
W/G	5.6	
Crb	6.3	
S	6.4	330.6

Center

S	6.5	330.5
Crb	6.3	
W/G	6.4	
M	6.3	330.7
W/G	5.5	
Crb	4.8	
N	5.3	331.7

E W/G

N	5.7	331.3
Crb	5.8	
W/G	5.9	
M	5.9	331.1
W/G	5.9	
Crb	5.9	
S	6.2	330.8

336.95

E CURB

S	6.5	330.7
Crb	6.3	
W	6.0	
M	5.9	331.1
W	5.8	
Crb	5.7	
N	5.7	331.3

2+80 = E.L. Utah

N	4.8	332.2
Crb	5.7	331.3
W	5.7	331.3
M	5.8	331.2
W	5.7	331.3
Crb	6.1	330.9
S	5.9	331.1

3+0 = W.L. Beam 60' wide

S	6.5	330.5
Crb	6.2	330.8
W	5.5	331.5
M	6.0	331.0
W	5.8	331.2
Crb	5.7	331.3
+3	5.5	331.5
+6	4.9	332.1
N	4.7	332.3

W. CURB

N	4.6	332.4
+8	4.7	332.3
+10	5.3	331.7
Crb	5.4	331.6
W	5.5	331.5
M	5.9	331.1
W	5.9	331.1
Crb	6.2	330.8
S	6.4	330.6

336.95

W 1/4

S	5.8	331.2
Crb	5.4	331.6
1/4	5.5	331.5
N	5.8	331.2
1/4	5.6	331.4
Crb	5.3	331.7
N	4.6	332.4

Center

N	4.5	332.5
Crb	5.1	331.9
1/4	5.4	331.6
M	5.7	331.3
1/4	5.0	332.0
Crb	4.7	332.3
S	5.6	331.4

E 1/4

S	5.7	331.3
Crb	4.6	332.4
1/4	4.8	332.2
M	5.5	331.5
1/4	5.4	331.6
Crb	5.0	332.0
N	4.4	332.6

E Curb

N	4.3	332.7
Crb	5.0	332.0
1/4	5.1	331.9
M	5.4	331.6
1/4	5.2	331.8
Crb	5.3	331.7
S	6.0	331.0

336.95

3+60 = El. Beam.

S	5.8	331.2
crb	5.5	331.5
1/4	5.5	331.5
M	5.2	331.8
1/4	5.0	332.0
crb	4.9	332.1
N	4.3	332.7

4+0

N	4.4	332.6
crb	4.7	332.3
1/4	4.9	332.1
M	5.1	331.9
1/4	5.2	331.8
crb	5.2	331.8
S	5.5	331.5

4+25

S	5.1	331.9
crb	5.3	331.7
1/4	5.0	332.0
M	4.9	332.1
1/4	4.7	332.3
crb	4.5	332.5
N	4.0	333.0

4+50

N	4.0	333.0
crb	4.4	332.6
1/4	4.6	332.4
M	4.9	332.1
1/4	4.7	332.3
crb	5.3	331.7
S	5.2	331.8

336.95

4+80 – W. L. Sherman St 80' wide

S	4.9	332.1
Crb	4.5	332.5
W/A	4.9	332.1
M	5.0	332.0
W/A	4.9	332.1
Crb	4.5	332.5
N	4.1	332.9

W. curb

N	4.9	332.1
Crb	5.0	332.0
W/A	5.1	331.9
M.	5.1	331.9
W/A	5.2	331.8
Crb	5.3	331.7
S	5.3	331.7

W W/A

S	5.6	331.4
Crb	5.7	331.3
W/A	5.4	331.6
M	5.1	331.9
W/A	5.2	331.8
Crb	5.2	331.8
N	5.0	332.0

Center

N	5.0	332.0
Crb	5.1	331.9
W/A	5.1	331.9
M	5.2	331.8
W/A	5.3	331.7
Crb	5.5	331.5
S	5.2	331.8

336.95

E 1/4

S	4.3	332.7
Crb	5.4	331.6
1/4	4.7	332.3
M	4.4	332.6
1/4	4.9	332.1
Crb	4.9	332.1
N	4.9	332.1

E curb

N	4.8	332.2
Crb	5.3	331.7
1/4	5.5	331.5
M	5.8	331.2
1/4	6.0	331.0
Crb	6.1	330.9
S	5.5	331.5

5+60 = E.L. Sherman

S			5.9	331.1
Crb			5.9	331.1
1/4			5.7	331.3
M			5.8	331.2
1/4			6.0	331.0
Crb			5.7	331.3
N			5.2	331.8
T.P.	2.87	334.60	5.22	331.73

6+0

N	4.3	330.3
Crb	4.7	329.9
1/4	4.2	330.4
M	3.8	330.8
1/4	4.4	330.2
Crb	5.1	329.5
S	4.4	330.2

334.60

67+30 = W. L. 29th St 60' wide

S	5.7	328.9
Crb	6.0	328.6
"4	5.6	329.0
M	5.4	329.2
"4	5.5	329.1
Crb	5.5	329.1
N	4.7	329.9

W. curb

N	5.8	328.8
Crb	5.8	328.8
"4	5.8	328.8
M	5.9	328.7
"4	6.1	328.5
Crb	6.2	328.4
S	5.9	328.7

W "4

S	6.0	328.6
Crb	6.4	328.2
"4	6.5	328.1
M	6.2	328.4
"4	5.8	328.8
Crb	6.3	328.3
N	6.3	328.3

Center

N	6.6	328.0
Crb	6.6	328.0
"4	5.6	329.0
M	6.3	328.3
"4	6.8	327.8
Crb	6.7	327.9
S	6.3	328.3

334.60

E 11A

S	6.8	327.8
Crb	6.9	327.7
11A	6.7	327.9
M	6.6	328.0
11A	6.2	328.4
Crb	7.0	327.6
N	6.9	327.7

E. Curb

N	6.4	328.2
Crb	7.3	327.3
11A	7.3	327.3
M	7.0	327.6
11A	6.8	327.8
Crb	6.8	327.8
S	6.8	327.8

6+90 = E.L. 29th St

S	334.60	6.4	328.2
Crb		6.8	327.8
11A		7.3	327.3
M		7.8	326.8
11A		7.5	327.1
Crb		7.5	327.1
N		7.0	327.6
	7+25		
N		8.3	326.3
Crb		8.2	326.4
11A		7.9	326.7
M		8.2	326.4
11A		8.5	326.1
Crb		8.8	325.8
S		8.8	325.8

334.60

7+60 = W.L. Kansas St 80'

S	9.1	325.5
Crb	9.5	325.1
¼	9.3	325.3
M	8.6	326.0
¼	8.1	326.5
Crb	8.7	325.9
N	8.9	325.7

N E curb

N	8.7	325.9
Crb	9.3	325.3
¼	9.4	325.2
M	9.5	325.1
¼	9.4	325.2
Crb	9.7	324.9
S	9.9	324.7

N E. ¼

S	10.3	324.3
Crb	9.7	324.4
¼	9.1	325.5
M	8.8	325.8
¼	8.7	325.9
Crb	9.2	325.4
N	9.0	325.6

Center

N	8.5	326.1
Crb	9.0	325.6
¼	8.4	326.2
M	8.6	326.0
¼	8.9	325.7
Crb	9.9	324.7
S	10.4	324.2

334.60

E ½

S	10.5	324.1
Crb	10.1	324.5
½	9.3	325.3
M	9.4	325.2
½	9.4	325.2
Crb	9.3	325.3
N	8.7	325.9

E. Curb

N	9.5	325.1
Crb	10.1	324.5
½	10.0	324.6
M	10.3	324.3
½	10.0	324.6
Crb	9.6	325.0
S	10.1	324.5

8+40 = E. L. Kansas St.

9.60

S	10.0	324.6
Crb	10.1	324.5
½	10.4	324.2
M	10.2	324.4
½	10.0	324.6
Crb	9.7	324.9
N	9.2	325.4

5+75

N	8.6	326.0
Crb	9.5	325.1
½	9.2	325.4
M	9.2	325.4
½	8.9	325.7
Crb	9.6	325.0
S	9.9	324.7

334.60

9+0

S	9.5	325.1
crb	9.5	325.1
W/A	9.3	325.3
M	9.0	325.6
W/A	8.9	325.7
crb	8.9	325.7
N	8.8	325.8

9+25

N	8.6	326.0
crb	8.8	325.8
W/A	8.6	326.0
M	8.9	325.7
W/A	9.2	325.4
crb	9.4	325.2
S	9.4	325.2

9+50

S	9.4	325.2
crb	9.4	325.2
W/A	8.9	325.7
M	8.4	326.2
W/A	8.6	326.0
crb	8.6	326.0
N	8.0	326.6

W.L Dale = Sta 9+60

9+75

N	8.7	325.9
crb	8.6	326.0
W/A	7.2	327.2
M	8.9	325.7
W/A	9.4	325.2
crb	9.6	325.0
S	9.4	325.2

POSTED

334.60

10+0

S		9.5	325.1
crb		9.3	325.3
"g		9.2	325.4
M		9.0	325.6
"g		7.8	326.8
crb	POSTED	7.6	327.0
N		8.6	326.0

E.L Dale = sta 10+20

10+40 = W.L. 3.0 ft St

N		8.7	325.9
crb		9.3	325.3
"g		9.0	325.6
M		8.9	325.7
"g		9.2	325.4
crb		9.5	325.1
S		9.1	325.5

Everything platted in this book to here

6/3/09 Hatch Moore Thomas

Profile Levels Sassafrass St. from Columbia to Horton Ave

					N		C		S	
BM	12.42	97.93		85.51	Sassafrass and India. SE. RR Spk in Pole.					
TP	12.83	110.16	0.60	97.33						
TP	12.81	122.44	0.53	109.63						
EL Columbia					4.9	117.5				
T.P.	12.86	135.23	0.06	122.38						
EL. "							6.1	129.1		
25' E					11.9	123.3	1.6	133.6		
50'					5.5	129.7				
75'					2.0	133.2				
T.P.	12.92	148.11	0.04	135.19						
EL. Columbia									10.3	137.8
25									4.8	143.3
50							8.9	139.2	1.2	146.9
75							5.5	142.6		
100					10.5	137.6				
125					7.2	140.9				
135					5.7	142.4				

POSTED

POSTED

			148.11								
150						+0.2	148.3				
T.P.	13.05	161.16	0.0	148.11							
75										9.3	151.9
100								13.1	148.1	5.8	155.4
125								9.1	152.1	1.1	160.1
150								3.2	158.0		
175						6.7	154.5				
200	W.L. State					0.4	160.8				
T.P.	13.04	174.11	0.09	161.07							
150										9.6	164.5
175								11.6	162.5	5.7	168.4
200 = W.L. State.								5.7	168.4	0.7	173.4
Or.						3.4	170.7				
T.P.	12.98	186.45	0.64	173.47							
Or.								mon			
W.L. State								11.06	175.4	8.3	178.2
25						7.7	178.8	6.7	179.8	7.1	179.4
						4.7	181.8	5.4	181.1	8.4	178.1

6/4/09		186.45									
T.P.	6.67	188.86	4.26	182.19							
50						3.3	185.6	6.6	182.3	13.1	175.8
75						1.6	187.3	7.6	181.3		
100						3.5	185.4	10.0	178.9		
125						5.6	183.3				
150						10.4	178.5				
T.P.	0.20	176.10	12.96	175.90							
75										5.6	170.5
100										7.0	169.1
125								2.5	173.6	12.6	163.5
150								7.6	168.5		
175						1.9	174.2	13.2	162.9		
200	W.L. Union St.					5.4	170.7				
T.P.	0.06	163.16	13.00	163.10							
150										7.6	155.6
175										13.3	149.9
200	= Wh. Union							4.3	158.9		

					N		C		S	
		163.16								
Cr Union					3.7	159.5				
TP	1.05	151.12	13.09	150.07						
WL Union									8.8	142.3
Cr "							Mon. 2.99	148.1		
EL "					3.6	148.5				
5.5					9.8	141.3				
T.P.	0.10	139.10	12.12	139.00						
Cr									5.2	133.9
EL							5.0	134.1		
35							13.2	125.9		
50					7.1	132.0				
TP	3.29	130.15	12.24	126.86						
EL									9.2	121.0
35									12.8	117.4
50							9.4	120.8	13.0	117.2
75					5.4	124.8	11.7	118.5	12.5	117.7
100					10.3	119.9	11.3	118.9	12.1	118.1

		130.15.			
125					
150					
175					
200 = W L. Horton Ave					
T.P.	9.82	139.59	0.38	139.77	
175					
200 = W L. Horton Ave					

N		C		S	
10.5	119.7	11.1	119.1	11.1	119.1
10.2	120.0	9.0	121.2	6.4	123.8
9.5	120.7	3.4	126.8		
6.6	123.6				
				8.9	130.7
		7.2	132.4	1.4	138.2

OSTER

Clough
Donan
Rodgers

Crassection of I st

E L of 26 to W L of 27th st

7-24-09

Bm S 26th

	12.74	158.97		146.23
	E line of 26th st			(Graded)
SL			12.2	146.8
bb			12.7	146.3
4			12.9	146.1
b			12.3	146.7
4			12.1	146.8
bb			11.7	147.3
NL			11.5	147.5
	5' E of 26th			
NL			7.6	151.4
bb			7.7	151.3
4			8.7	150.3
b			10.0	149.0
4			10.2	148.8
bb			9.0	150.0
SL			8.2	150.8

POSTED

158.97

I st

51

	25'	E of	26th st	
SL			5.3	153.7
bb			4.5	154.5
4			4.4	154.6
b			4.9	154.1
4			3.9	155.1
bb			5.0	154.0
NL			4.7	154.3
T.P	18.00	171.75	0.22	
	50'	E of	26th st	
NL			11.6	160.2
bb			11.6	160.2
4			11.2	160.6
b			12.2	159.6
4			12.3	159.5
bb			12.3	159.5
SL			12.8	159.0

		171.75		
	75'	E of	26 th st	
SL			9.7	162.1
bl			9.5	162.3
y			8.5	163.3
b			7.8	164.0
y			7.6	164.2
bl			8.0	163.8
NL			8.1	163.7
	100'	E of	26th st	
NL			4.3	167.5
bl			5.6	166.2
y			6.2	165.8
b			6.6	165.2
y			6.6	165.2
bl			6.6	165.2
SL			5.7	166.1

		171.75		
	125'	E of	26th st	
SL			3.8	168.0
bl			3.3	168.5
y			3.5	168.3
b			3.6	168.2
y			2.9	168.9
bl			3.1	168.7
NL			3.6	168.2
	150'	E of	26th st	
TP	7.35	179.07	0.03	171.72
NL			6.6	172.5
bl			7.4	171.7
y			7.6	171.5
b			7.7	171.4
y			7.0	172.1
bl			7.1	172.0
SL			6.6	172.5

		1790.7		
	175	Ef	26th st	
Sa			4,4	174.7
bh			4,6	174.5
"			4,9	174.2
b			4,9	174.2
"			5,1	174.0
bh			5,5	173.6
ns			5,5	173.6
	200	Ef	26th st	
ns			3,4	175.7
bh			3,0	176.1
"			2,7	176.4
b			2,4	176.7
"			2,2	176.9
bh			2,2	176.9
Sa			1,8	177.3

		1790.7		
	225	Ef	26th st	
Sa			1,8	177.3
bh			2,4	176.7
"			2,4	176.7
b			2,3	176.8
"			2,3	176.8
bh			2,3	176.8
ns			2,5	176.6
	250	Ef	26th	
ns			4,7	174.4
bh			4,3	174.8
"			3,8	175.3
b			3,7	175.4
"			3,1	176.0
bh			2,8	176.3
Sa			3,0	176.1

179.07

	275'	Eof	26th	st
Sd			4.4	174.7
bh			4.1	175.0
y			4.3	174.8
b			4.6	174.3
y			5.4	173.7
bh			5.9	173.2
nd			6.5	172.6
	300'	Eof	26th	st
nd			9.0	170.1
bh			9.2	169.9
y			8.5	170.6
b			8.5	170.6
y			7.5	171.6
bh			7.0	172.1
Sd			6.7	172.4

179.07

	325'	Eof	26th	
Sd			9.1	170.0
bh			10.2	168.9
y			10.0	169.1
b			10.1	169.0
y			11.1	168.0
bh			11.5	167.6
nd			11.7	167.4
	350	Eof	26th	st
nd			13.6	165.9
bh			13.4	165.7
y			13.7	165.4
b			13.0	166.1
y			12.7	166.4
bh			12.0	167.1
Sd			10.3	168.3
TP	0.15	166.30	12.92	166.17

		166.30		
	375	E of	26 st	st
SL			0.0	166.3
bh			1.2	165.1
y			1.5	164.8
b			2.4	163.9
y			2.9	163.5
bh			3.0	163.3
NL			3.4	162.9
	400	E of	26 st	st
NL			6.0	160.3
bh			5.3	161.0
y			4.7	161.6
b			4.5	161.8
y			4.0	162.3
bh			2.9	163.4
SL			1.9	164.4

		166.30		
	425	E of	26 st	
SL			4.2	162.1
bh			5.2	161.1
y			5.9	160.4
b			6.1	160.2
y			7.2	159.1
bh			7.5	158.8
NL			7.4	158.9
	450	E of	26 st	
NL			11.2	155.1
bh			10.5	155.8
y			10.1	156.2
b			9.2	157.1
y			7.9	158.4
bh			6.7	159.6
SL			5.3	161.0

		16630		
	475	E of	26 ft	st
S2			8,0	158.3
bl			8,7	157.6
y			10,1	156.2
b			10,7	155.6
y			12,2	154.1
bl			13,2	153.1
n2			14,2	152.1
TP	299	15682	12,47	153.83
	500	E of	26 ft	
n2			8,8	148.0
bl			7,3	149.5
y			5,6	151.2
b			4,3	152.5
y			2,2	154.6
bl			1,0	155.8
S2			0,0	156.8

		15682		
	525	E of	26 ft	st
S2			1,4	155.4
bl			3,1	153.7
y			4,5	152.3
b			6,5	150.3
y			8,5	148.3
bl			10,5	146.3
n2			12,1	144.7
	550	E of	26 ft	st
n2			15,4	141.4
bl			11,2	145.6
y			9,6	147.2
b			8,4	148.4
y			5,0	151.8
bl			4,0	152.8
S2			2,0	154.8

15652

575' E of 26 st

SL	1.9	154.9
bl	2.8	154.0
"	5.3	151.5
b	8.3	148.5
"	11.8	145.0
M		

600' E = W L 27 st

SL	2.8	154.0
bl	4.6	152.2
bf	7.0	149.8
b	9.0	147.8
"	11.9	144.9

TP 139 14551 12.70 144.12

14551

575 E of 26 st

NL	6.2	139.3
bl	2.8	142.7

600' E = W L of 27 st

NL	8.0	137.5
bl	6.3	139.2

POSTED

28th St ?

		H.I.	Rod	Elev
J.P.	9.93	75.07		65.14
	So. line N			
E line			9.0	66.1
			8.8	66.3
			9.4	65.7
C			9.8	65.3
			10.0	65.1
			10.2	64.9
W. line			10.0	65.1
	25' So. N			
W. line			8.5	66.6
			8.3	66.8
			8.3	66.8
C			8.4	66.7
			8.8	66.3
			8.0	67.1
E line			8.3	66.8

75.07

50' So. Mar 3/10

Childs
Barber
Taylor

E line		7.5	67.8
		7.4	67.7
		7.8	67.3
C		7.9	67.2
		8.0	67.1
		8.1	67.0
W line		8.1	67.0
	75' So.		
W line		7.7	67.4
		7.7	67.4
		7.8	67.3
C		7.6	67.5
		7.5	67.6
		7.3	67.8
E line		7.3	67.8

75.07

100' So.

Eline	6.6	68.5
	6.8	68.3
	7.0	68.1
C	7.1	68.0
	7.1	68.0
	7.1	68.0
Wline	7.2	67.9

125' So.

Wline	6.7	68.4
	6.6	68.5
	6.6	68.5
C	6.6	68.5
	6.7	68.4
	6.5	68.6
Eline	6.3	68.8

75.07

150' So.

Eline	6.1	69.0
	6.4	68.7
	6.3	68.8
C	5.3	69.8
	4.8	70.3
	5.5	69.6
Wline	6.2	68.9

175' So.

Wline	6.3	68.8
	6.1	69.0
	5.8	69.3
C	6.0	69.1
	6.1	69.0
	6.0	69.1
Eline	5.7	69.4

75:07

200' SO.

Eline	5.5	69.6
	5.5	69.6
	5.6	69.5
C	5.8	69.3
	5.7	69.4
	5.9	69.2
Wline	5.9	69.2

225' SO.

Wline	5.4	69.7
	5.5	69.6
	5.5	69.6
C	5.4	69.7
	5.2	69.9
	5.1	70.0
Eline	5.1	70.0

75:07

250' SO.

Eline	4.7	70.4
	4.8	70.3
	5.2	69.9
C	5.1	70.0
	5.0	70.1
	5.1	70.0
Wline	5.2	69.9

275' SO.

Wline	5.0	70.1
	4.9	70.2
	4.5	70.6
C	4.1	71.0
	4.2	70.9
	4.3	70.8
Eline	4.4	70.7

7.5.07

300' So. (So. line Webster)

E. line	3.9	71.2
	3.9	71.2
	4.2	70.9
C	3.8	71.3
	3.8	71.3
	4.5	70.6
W. line	4.5	70.6

No. Cb.

W. line	4.3	70.8
	4.1	71.0
	3.3	71.8
C	2.9	72.2
	3.7	71.4
	3.8	71.3
E. line	3.7	71.4

7.5.07

No 1/4

E. line	3.6	71.5
	3.7	71.4
	3.7	71.4
C	3.4	71.7
	3.7	71.4
	4.0	71.1
W. line	4.1	71.0

Center

W. line	4.0	71.1
	3.7	71.4
	3.3	71.8
C	3.1	72.0
	3.4	71.7
	3.2	71.9
E. line	3.3	71.8

75,07

so. 1/4

E line		3.2	71.9
		3.3	71.8
		3.5	71.6
C		3.3	71.8
		3.4	71.7
		3.5	71.6
W line		3.7	71.4
	so. Cb.		
W line		3.0	72.1
		3.3	71.8
		3.1	72.0
C		2.9	72.2
		3.2	71.9
		3.1	72.0
E line		3.1	72.0

75,07 Mar 3/10 Childs Barber Taylor

so. line Webster

E line		3.2	71.9
		3.1	72.0
		3.0	72.1
C		2.9	72.2
		2.9	72.2
		2.9	72.2
W line		2.1	73.0

#1100

Published by H. S. CROCKER COMPANY, Stationers, Drawing Materials, Mathematical Instruments, etc., San Francisco.

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	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	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							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees
	DEGREES		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		