400

LEVEL

F.B.398

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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	2⅓	21	49	41	95⅔
2	4⅔	22	51⅓	42	98
3	7	23	53⅔	43	100⅓
4	9⅓	24	56	44	102⅔
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

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
°		°		°		°	
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

Date 20 SF RR 226.562
Vermont Lincoln SW RR 392.062

Crocker Quality

LEVEL BOOK

No. 400

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

COMMUNI CONSENSU PRIMO

MANUFACTURED BY
H. S. Crocker Co.
SAN FRANCISCO
and
SACRAMENTO

Arizona St X-section 3/9/10 Dunzelle Shaw Evans

1

N. Curb Myrtle on E

282.26

E			8.8		
crk			7.8		
1/4			7.6		
M			6.9		
1/4			6.3		
crk			5.8		
W			4.0		

N 1/4 Myrtle on E

W			4.1		
crk			6.2		
1/4			6.4		
M			7.2		
1/4			7.7		
crk			7.8		
E			8.8		

Center Myrtle on E

E	9.0
crb	8.3
"/4	8.2
M	7.6
"/4	7.0
crb	6.5
W	9.5

S "/4 Myrtle on E

W.	9.9
crb	7.0
"/4	7.6
M	8.3
"/4	8.7
crb	8.9
E	9.2

S. Curb on E

E	9.2
crb	9.0
"/4	8.8
M	8.3
"/4	7.8
crb	7.2
W	5.0

N. L. Myrtle on W.

W	5.3
crb	7.9
"/4	7.9
M	8.3
"/4	8.9
crb	9.0
E	9.3

S. ¼ Myrtle on E

E	9.5
Crb	9.0
¼	8.9
M	8.5
¼	7.9
Crb	7.5
W	5.3

N. Crb Myrtle on W

W	5.5
Crb	7.5
¼	8.1
M	8.7
¼	9.3
Crb	9.2
E	9.8

N. ¼ on W

E	10.0
Crb	9.3
¼	9.3
M	8.9
¼	8.3
Crb	7.7
W	5.5

Center on W.

W	6.0
Crb	7.8
¼	8.4
M	9.2
¼	9.7
Crb	9.6
E	10.3

	282.76			
	S ¼ on W			
E		10.9		
Crk		10.4		
¼		10.2		
M		9.5		
¼		8.5		
Crk		7.9		
W		6.2		
	S. curb on W			
W		6.3		
Crk		8.0		
¼		8.5		
M		9.7		
¼		10.4		
Crk		10.5		
E		11.0		
	S.L. Myrtle on W			
E		11.2		
Crk		10.7		
¼		10.7		
M		9.8		
¼		8.6		
Crk		8.1		
W		6.6		
	0+75 S. of S.L. Myrtle on W			
W		6.8		
Crk		8.6		
¼		9.0		
M		10.0		
¼		11.1		
Crk		11.1		
E		11.8		
T.P.	7.86	277.85	12.27	269.99

277.85

1+0

E	8.1
Crk	7.1
1/4	7.1
M	5.9
1/4	5.0
crk	4.4
W	2.7

1+25

W	3.0
crk	4.9
1/4	5.4
M	6.3
1/4	7.3
crk	7.5
E	8.7

1+50

E	8.9
Crk	7.8
1/4	7.6
M	6.7
1/4	5.7
crk	5.3
W	3.4

1+75

W	3.9
Crk	5.5
1/4	6.0
M	6.9
1/4	7.7
Crk	7.9
E	9.1

	2+00
E	9.1
crk	8.0
1/4	7.5
M	6.9
1/4	6.7
crk	6.0
W	4.3

	2+25
W	4.7
crk	6.1
1/4	6.4
M	7.1
1/4	8.0
crk	8.2
E	9.1

	2+50
E	9.4
crk	8.4
1/4	8.2
M	7.5
1/4	6.6
crk	6.3
W	5.0

	2+75
W	5.2
crk	6.6
1/4	7.0
M	7.6
1/4	8.4
crk	8.8
E	10.0

277.85

3+0

E	10.1
crb	8.8
1/4	8.4
M	8.0
1/4	7.2
crb	6.9
W	5.5

3+44.5 from S.L. Myrtle on E & 2+86.9 from S.L. Myrtle on W = B.K.L.

W	5.6
crb	6.9
1/4	7.2
M	7.7
1/4	8.5
crb	8.6
E	10.2

1-section Arizona University To Park Line
" 60' wide 11.5' off of each side
" 5 Quarters

3/8/10 Dunkle
Shaw

B.M.		Univ & Arizona		301.80	Evans
B.M.	1.27	303.07			
E			3.8	299.3	
crb			4.4	298.7	
1/4			4.6	298.5	
M			3.1	300.0	
1/4			2.5	300.6	
crb			2.3	300.8	
W			1.0	302.1	
		0+25			
W			9.1	294.0	
+7			10.1	293.0	
+8			9.2	93.9	
crb			8.2	94.9	
1/4			5.9	97.2	
+4			4.8	96.3	
M			5.5	97.6	
1/4			4.7	98.4	
crb			4.5	98.6	
E			4.0	99.1	

		0+50		
E			4.1	99.0
crb			4.4	98.7
1/4			4.5	98.6
M			4.9	98.2
1/4			4.6	98.5
crb			5.0	98.1
+1			5.2	97.9
W			10.3	92.8
		0+75		
W			9.9	93.2
+5			8.0	95.1
crb			5.6	97.5
1/4			2.8	300.3
+2			2.4	300.7
+9			3.9	99.2
M			4.2	98.9
1/4			4.6	98.5
crb			4.6	98.5
E			4.4	98.7

303.07

0+85

E	3.0	300
crk	3.3	98 8
1/4	3.5	99 3
M	3.5	99 6
+12	3.0	300
1/4	4.5	98 6
crk	2.9	94 7
W	9.9	98 2

0+95

W	11.0	92
crk	9.1	94 0
1/4	7.1	96 0
+6	5.1	98 0
M	5.3	97 8
1/4	6.2	96 9
crk	6.3	96 8
E	6.2	96 9

1+0

E	6.6	96 5
crk	6.9	96 2
1/4	6.9	96 2
M	5.8	97 3
+10	7.3	95 8
1/4	9.0	94 1
crk	10.0	93 1
+7	11.4	91 7
+8	12.2	90 9
W	12.4	90 7

1+25

W	9.9	93 2
S	10.6	92 5
crk	11.8	91 3
+1	13.2	89 9
1/4	13.2	89 9
+11	9.5	93 6
M	9.2	93 9
1/4	8.3	94 8
crk	7.1	95 0
E	7.7	95 4

	1+50			
	303.07			
E		8.5	94.6	
crk		8.5	94.3	
11A		8.8	94.3	
M		9.8	93.3	
+3		10.3	92.8	
+10		13.1	90.0	
+11		14.1	89.0	
11A		12.9	90.2	
crk		12.0	91.1	
W		10.7	92.4	
	1+75			
W		15.2	87.9	
+2		14.6	88.5	
crk		12.0	91.1	
11A		11.3	91.8	
M		10.3	92.8	
11A		10.0	93.1	
crk		10.0	93.1	
E		9.3	93.8	

	2+0			
E		10.4	92.7	
crk		10.8	92.3	
11A		10.9	92.2	
M		11.1	92.0	
11A		12.0	91.1	
crk		12.6	90.5	
W		14.8	88.3	
	2+25			
W		14.5	88.6	
+2		15.3	87.8	
+4		17.2	85.9	
+7		17.4	85.7	
crk		15.4	87.7	
11A		13.5	89.6	
M		12.0	91.1	
11A		11.6	91.5	
crk		11.7	91.4	
F		11.3	91.8	
T.P	.307	293.76	12.38	290.69

293.76

2+49 = N.L. Wightman 60' wide on E see book 396 P17

E	2.7	91.1
crb	3.0	90.8
1/4	3.1	90.7
M	3.4	90.4
+9	4.3	89.5
1/4	7.2	86.6
+2	8.4	85.4
crb	8.4	85.4
+2	7.6	86.2
+6	5.2	88.6
W	4.0	89.8

N. curb on E

W	4.1	89.7
+4	5.4	88.4
+8	7.8	86.0
crb	8.6	85.2
+4	8.8	85.0
1/4	7.9	85.9
+7	4.4	89.4
M	3.7	90.1
1/4	3.4	90.4
crb	3.3	90.5
E	2.9	90.9

N 1/4

E	3.0	90.8
crb	3.5	90.3
1/4	3.5	90.3
M	3.8	90.0
+9	4.8	89.0
1/4	8.3	85.5
+1	9.0	84.8
crb	8.8	85.0
+1	8.0	85.8
W	4.3	89.5

Center

W	4.1	89.7
+9	8.8	85.0
crb	9.3	84.5
+4	9.3	84.5
1/4	8.1	85.7
+7	5.0	88.8
M	4.3	89.5
1/4	3.8	90.0
crb	3.8	90.0
E	3.5	90.3

5 1/4 in E

E.	3.9	89 9
crk	4.6	89 2
1/4	4.7	89 1
M	4.8	89 0
+3	5.4	88 4
1/4	8.4	85 4
+3	9.6	84 2
crk	9.6	84 2
+3	9.4	84 6
W	5.4	88 4

S. cork on E

W	5.0	88 8
+7	9.0	84 8
+8	9.6	84 2
crk	9.6	84 2
+9	9.7	84 1
1/4	8.9	84 9
+9	5.5	88 3
M	5.2	88 6
1/4	4.9	88 9
Crk	4.7	89 1
E	4.1	89 7

mL. Right man on W

E	4.1	89 7
crk	4.7	89 2
1/4	4.9	88 9
M	5.2	88 8
+6	5.5	88 3
1/4	8.9	84 9
+1	9.7	84 1
crk	9.6	84 2
+2	9.6	84 2
+3	9.0	84 8
W	5.0	88 8

S.L. Right man on E.

W	6.0	87 8
+7	8.8	85 0
+8	9.4	83 9
crk	9.9	83 9
1/4	9.7	84 1
+10	5.9	87 9
M	5.3	88 5
1/4	5.2	88 6
crk	5.0	88 8
E	4.2	89 6

N. curb on W

E	4.2	89 4
crb	5.0	88 8
11/4	5.2	88 6
M	5.0	88 5
+5	5.9	87 9
11/4	9.7	84 1
crb	9.9	83 8
+2	9.9	83 9
+3	5.8	85 0
W	6.6	87 8

N 11/4 on W

W	6.6	87 3
+7	8.9	84 9
+8	9.7	84 1
Crb	10.0	83 8
11/4	9.8	84 0
+2	9.6	84 3
+3	8.9	84 9
+11	6.5	87 3
M	5.7	88 1
11/4	5.4	88 4
Crb	5.2	88 6
E	4.5	89 3

Center on W

E	4.6	89 2
crb	5.5	88 3
11/4	5.8	88 0
M	5.8	88 0
+7	6.6	87 2
11/4	9.6	84 2
+1	10.3	83 5
crb	10.2	83 6
+5	10.1	83 7
W	8.6	85 2

S 11/4 on W

W	9.8	84 0
crb	10.1	83 7
11/4	8.6	85 2
+5	7.0	86 8
M	6.2	87 6
11/4	6.2	87 6
crb	5.9	87 9
E	4.6	89 2

S. cor L on W

E	4.5	89 3
crk	5.8	88 0
1/4	6.1	87 7
M	6.3	87 5
1/4	7.9	86 4
crk	9.4	84 4
+6	11.2	82 6
W	11.2	82 6

S. L. Wightman on W

W	11.3	82 5
ab	8.6	85 2
1/4	7.5	86 3
M	6.7	87 1
1/4	6.4	87 4
ab	6.8	87 7
E	5.1	88 7

0+75' S. of S. L. Wightman on E.

E	5.5	88 3
ab	6.5	87 3
1/4	7.1	86 7
a	7.6	86 2
1/4	9.2	84 6
ab	10.0	83 8
W	11.4	82 4
1+00		
W	13.6	80 4
ab	11.9	81 9
1/4	11.3	82 5
a	9.1	84 7
1/4	7.6	86 2
ab	7.0	86 8
E	6.1	87 7

	1 + 25			
E			6.4	87^{4}
cb			7.1	86^{7}
1/4			7.6	86^{2}
c			10.1	83^{7}
1/4			13.1	80^{7}
cb			14.4	79^{4}
~~cb~~ 1			14.6	79^{2}
+ 5			14.4	79^{4}
W			12.5	81^{3}
	1 + 50			
W			13.3	80^{5}
cb			15.3	78^{5}
+ 3			15.5	78^{3}
1/4			14.9	78^{9}
c			9.6	84^{2}
1/4			8.1	85^{7}
cb			7.5	86^{3}
E			7.0	86^{8}

		293.76		
T.P.	3.47	287.13	10.10	283.66
1+75		1+75		
E			1.2	85^{9}
cb			1.3	85^{8}
1/4			1.6	85^{5}
c			2.8	84^{3}
1/4			5.9	81^{2}
cb			7.9	79^{2}
+ 5			9.5	77^{6}
W			9.8	77^{3}
		2+00		
W			7.6	79^{5}
cb			5.8	81^{3}
1/4			5.0	82^{1}
c			3.5	83^{6}
1/4			2.2	84^{9}
cb			2.0	85^{1}
E			1.8	85^{3}

	2+25		
E		2.8	84 3/5
cl		3.1	84 0/5
1/4		3.3	83 8/5
c		4.4	82 7/5
1/4		5.4	81 7/5
cl		5.7	81 4/5
W		7.0	80 -/5
	2+50		
W		7.7	79 4/5
cl		6.8	80 3/5
1/4		6.4	80 7/5
c		5.6	81 5/5
1/4		4.6	82 5/5
cl		4.3	82 8/5
E		3.8	83 3/5

	2+75		
E		4.7	82 4/5
cl		5.2	81 9/5
1/4		5.5	81 6/5
c		6.6	80 5/5
1/4		7.8	79 3/5
cl		8.2	78 9/5
W		8.9	78 2/5
	3+00		
W		7.2	79 9/5
cl		6.6	80 5/5
1/4		6.2	80 9/5
c		5.5	81 6/5
1/4		4.6	82 5/5
cl		4.4	82 7/5
E		4.1	83 0/5

	3+25		
E		3.0	84.1
Crk		3.3	83.8
"4		3.5	83.6
M		4.0	83.1
"4		4.7	82.4
Crk		5.0	82.1
W		5.7	81.4
	3+50		
W		5.1	82.0
Crk		4.3	82.8
"4		3.9	83.2
M		3.7	83.4
"4		3.1	84.0
Crk		2.9	84.2
E		2.9	84.2

	3+75		
E		2.4	84.7
Crk		2.8	84.3
"4		2.8	84.3
M		3.2	83.9
"4		4.0	83.1
Crk		4.2	82.9
W		4.7	82.4
	4+0		
W		4.8	82.3
Crk		4.1	83.0
"4		4.0	83.1
M		3.5	83.6
"4		3.0	84.1
Crk		2.6	84.5
E		2.3	84.8

	4+25		
E		2.6	84 5
Crk		2.9	84 3
1/4		3.2	83 8
M		3.9	83 2
1/4		4.4	82 7
Crk		4.6	82 5
W		5.2	81 9
	4+50		
W		5.4	81 7
Crk		5.2	81 9
1/4		4.9	82 2
M		3.8	83 3
1/4		3.6	83 5
Crk		3.4	83 7
E		3.0	84 1

	4+75		
E		2.7	84 4
Crk		3.1	84 0
1/4		3.4	83 7
M		4.2	82 9
1/4		4.8	82 3
Crk		5.2	81 9
W		5.4	81 4
	5+00		
W		5.2	81 9
Crk		4.9	82 2
1/4		4.8	82 3
M		4.4	82 7
1/4		3.6	83 5
Crk		3.0	84 1
E		2.4	85 7

3, Dempsie
10, Shaw
10 Evans,

		287.13		
		5+25		
E			3.5	83 6
crk			3.6	83 5
1/4			3.6	83 5
M			4.0	83 1
1/4			9.6	82 5
crk			4.9	82 2
W			5.2	81 9
		5+50		
W			5.7	81 4
crk			5.2	81 9
1/4			4.9	82 2
M			4.3	82 8
1/4			4.0	83 1
crk			4.0	83 1
E			3.8	83 3
T.P.	5.77	289.45	3.45	283.68

		5+75	
E		7.4	82 0
crk		8.2	81 2
1/4		8.4	81 0
M		9.0	80 4
1/4		9.4	80 0
crk		9.4	80 0
W		9.5	79 9
5+99.7	= N.L. Landis, 60' wide on E = see plot book 396 P17		
W		8.6	80 8
crk		8.0	81 4
1/4		7.8	81 6
M		7.8	81 6
1/4		6.7	82 7
crk		6.5	82 9
E		6.3	83 1

N. curb on E

E	6.4	83 0
crb	6.7	82 7
11/4	6.9	82 5
M	7.8	81 6
11/4	7.9	81 5
crb	8.2	81 2
W	8.8	80 6

N 11/4 on E

W	9.0	80 4
crb	8.4	81 0
11/4	8.2	81 2
M	8.0	81 4
11/4	7.1	82 3
crb	6.8	82 6
E	6.5	82 5

Center on E

E	6.7	82 7
crb	6.9	82 5
11/4	6.9	82 5
M	7.9	81 5
11/4	9.2	80 2
crb	10.0	79 4
W	10.3	79 1

S 11/4 on E

W	9.5	79 9
crb	8.6	80 8
11/4	8.5	80 9
M	8.0	81 4
11/4	7.0	82 4
crb	7.0	82 4
E	6.5	82 9

S. curb on E

E	6.6	82 8
crb	7.2	82 2
1/4	7.2	82 2
M	8.1	82 3
1/4	8.6	80 8
crb	8.8	80 6
W	10.0	79 4

N. L. Landis on W

W	9.7	79 7
crb	9.1	80 3
1/4	8.7	80 7
M	8.2	81 2
1/4	7.3	82 1
crb	7.3	82 1
+6	6.9	82 5
E	6.7	82 7

S. L. Landis on E

E	6.6	82 8
+4	6.5	82 9
crb	7.4	82 0
1/4	7.7	81 7
M	8.5	80 9
1/4	8.8	80 6
crb	9.0	80 4
W	8.7	80 7

N. curb on W

W	8.6	80 8
crb	8.8	80 6
1/4	8.7	80 7
M	8.6	80 8
1/4	8.1	81 3
crb	7.8	81 6
+7	6.4	83 0
E	6.5	82 9

N ¼ on W

E	6.5	82 9
+3	6.5	82 9
crb	7.8	81 6
¼	8.4	81 0
M	8.7	80 7
¼	8.9	80 5
crb	8.6	80 8
W	8.0	81 4

Center on W

W	7.4	82 0
crb	7.9	81 5
¼	8.0	81 4
M	8.4	81 0
¼	7.6	81 8
~~+5~~		
crb	7.3	82 1
+7	6.2	83 2
E	6.4	83 9

S ¼ on W

E	6.4	83 0
Crb	6.1	83 3
¼	6.9	82 5
M	7.8	81 6
¼	7.5	81 9
Crb	7.3	82 1
W	7.0	82 4

S. curb on W

W	7.1	82 3
Crb	7.2	82 2
¼	7.3	82 1
M	7.7	81 7
¼	6.5	82 9
Crb	6.5	82 9
E	6.3	83 1

S. L. Landis on W

E	6.2	83 2
crk	6.3	83 1
1/4	6.5	82 9
M	7.2	82 2
1/4	6.1	83 3
crk	6.3	83 1
W	6.6	82 8

0+75.5 of S. L. Landis on E

W	5.8	83 6
crk	5.4	84 0
1/4	5.3	84 1
M	6.5	82 9
1/4	6.4	83 0
crk	6.2	83 2
E	5.8	83 6

1+0

E	5.2	84 2
crk	5.5	83 9
1/4	5.6	83 8
M	5.6	83 8
1/4	5.7	83 7
crk	5.7	83 7
W	5.0	84 4

1+25.

W	4.8	84 6
crk	5.2	84 2
1/4	5.3	84 1
M	5.1	84 3
1/4	4.9	84 5
crk	4.7	84 7
E	4.5	84 9

		289.45		
		1+50		
E			3.7	85 7
crk			3.4	86 0
¼			3.4	86 0
M			4.0	85 4
¼			4.5	84 9
crk			4.6	84 8
W			4.4	85 0
		1+75		
W			3.6	85 8
crk			3.5	85 9
¼			3.3	86 1
M			2.6	86 8
¼			2.2	87 2
crk			2.2	87 2
E			2.0	87 4
T.P.	2.3	290.43	1.15	288.30

	2+0		
E		1.6	88 8
crk		1.8	88 6
¼		1.9	88 5
M		2.5	87 9
¼		3.0	87 4
crk		2.7	87 7
W		2.9	87 5
	2+25		
W		2.7	87 7
crk		2.5	87 9
¼		2.4	88 0
M		2.3	88 1
¼		1.6	88 8
crk		1.4	89 0
E		1.1	89 3

		2+50		
E			1.6	88^{8}
crb			1.9	88^{5}
1/4			1.9	88^{5}
M			2.1	88^{3}
1/4			2.4	88^{0}
crb			2.5	87^{9}
W			2.7	87^{7}
		2+75		
W			2.4	88^{0}
crb			2.4	88^{0}
1/4			2.3	88^{1}
M			2.3	88^{1}
1/4			2.4	88^{0}
crb			2.4	88^{0}
E			2.3	88^{1}

		3+0		
E			2.7	87^{7}
crb			2.5	87^{9}
1/4			2.5	87^{9}
M			2.5	87^{9}
1/4			2.4	88^{0}
crb			2.4	88^{0}
W			2.5	87^{9}
		3+25		
W			2.8	87^{6}
crb			2.7	87^{7}
1/4			2.7	87^{7}
M			2.9	87^{5}
1/4			3.1	87^{3}
crb			3.1	87^{3}
E			3.0	87^{4}

3+50

E	3.6	86 8
crb	3.7	86 7
1/4	3.8	86 6
M	3.7	86 7
1/4	3.3	87 1
crb	3.4	87 0
W	3.7	86 7

3+75

W	4.3	86 1
crb	4.3	86 1
1/4	4.4	86 0
M	4.3	86 1
1/4	4.3	86 1
crb	4.2	86 2
E	4.0	86 4

4+0

E	4.3	86 1
crb	4.4	86 0
1/4	4.4	86 0
M	4.4	86 0
1/4	4.8	85 6
crb	4.6	85 8
W	4.4	86 0

4+25

W	5.0	85 4
crb	5.1	85 3
1/4	5.0	85 4
M	5.0	85 4
1/4	4.9	85 5
crb	4.7	85 7
E	4.6	85 8

	4750		
E		4.9	$85\frac{5}{-}$
Crb		4.9	$85\frac{5}{-}$
1/4		5.2	$85\frac{2}{-}$
M		5.3	$85\frac{1}{-}$
1/4		5.3	$85\frac{1}{-}$
Crb		5.2	$85\frac{2}{-}$
W		5.2	$85\frac{2}{-}$
	4775		
W		5.8	$84\frac{6}{-}$
Crb		5.9	$84\frac{5}{-}$
1/4		5.9	$84\frac{5}{-}$
M		5.5	$84\frac{9}{-}$
1/4		5.4	$85\frac{0}{-}$
Crb		5.2	$85\frac{2}{-}$
E		5.2	$85\frac{2}{-}$

	5400		
E		5.5	$84\frac{9}{-}$
Crb		5.8	$84\frac{6}{-}$
1/4		5.9	$84\frac{5}{-}$
M		5.5	$84\frac{9}{-}$
1/4		5.5	$84\frac{9}{-}$
Crb		5.6	$84\frac{8}{-}$
W		5.9	$84\frac{5}{-}$
	5425		
W		6.2	$84\frac{2}{-}$
Crb		5.6	$84\frac{8}{-}$
1/4		5.6	$84\frac{8}{-}$
M		6.1	$84\frac{3}{-}$
1/4		6.3	$84\frac{1}{-}$
Crb		6.0	$84\frac{4}{-}$
E		5.8	$84\frac{6}{-}$

5+50

E	6.0	84 4
Crk	6.2	84 2
"4	6.4	84 0
M	6.7	83 7
"4	6.7	83 7
Crk	6.8	83 6
W	6.6	83 8

5+75

W	6.8	83 6
Crk	7.1	83 3
"4	7.2	83 2
M	6.8	83 6
"4	6.5	83 9
Crk	6.6	83 8
E	6.5	83 9

60' wide

5+99 = N.L. Dwight on E see Plot book 396 P17

E	7.0	83 4
Crk	6.9	83 5
"4	6.7	83 7
M	7.0	83 4
"4	7.6	82 8
Crk	7.1	83 3
W	7.1	83 3

N. Locke on E

W	7.2	83 3
Crk	7.2	83 2
"4	7.5	82 9
M	7.7	82 7
"4	7.4	83 0
Crk	7.2	83 2
E	7.2	83 2

29043

29

N ¼ on E

E	7.3	83 1
crk	7.5	82 9
¼	7.7	82 7
M	7.8	82 6
¼	7.6	82 8
crk	7.4	83 0
W	7.3	83 1

Center on E

W	7.5	82 9
crk	7.8	82 6
¼	8.1	82 3
M	8.4	82 0
¼	7.4	83 0
crk	7.4	83 0
E	7.4	83 0

S ¼ on E

E	7.1	83 3
crk	7.0	83 4
¼	7.2	83 2
M	8.7	81 7
¼	7.7	82 7
crk	7.4	83 0
W	7.5	82 9

S. Curb on E

W	7.3	83 1
crk	7.6	82 8
¼	7.6	82 8
M	8.6	81 8
¼	7.4	83 0
crk	7.2	83 2
E	7.3	83 1

N.L. Dright 60' on W

E	7.6	82 5
Crb	7.6	82 8
1/4	7.9	82 5
M	8.7	81 7
1/4	8.0	82 4
Crb	7.7	82 7
W	7.5	82 9

S.L. Dright on E

W	7.4	83 0
Crb	7.7	82 7
1/4	7.9	82 5
M	8.7	81 7
1/4	8.2	82 2
Crb	7.9	82 5
E	7.9	82 5

N. Canton W

E	7.9	82 5
Crb	8.1	82 3
1/4	8.4	82 0
M	8.6	81 8
1/4	7.8	82 6
Crb	7.7	82 7
W	7.2	83 2

N "A" on W

W	7.3	83 1
Crb	7.6	82 8
1/4	7.6	82 8
M	8.5	81 9
1/4	8.7	81 7
Crb	8.2	82 2
E	7.9	82 5

290.43

Center on NW

E		8.2	282 2
crk		8.6	81 8
1/4		9.1	81 3
M		8.4	82 0
1/4		7.6	82 8
crk		7.5	82 9
W		7.5	82 9

S 1/4 on NW

W		8.2	82 2
crk		8.3	82 1
1/4		8.3	82 1
M		8.6	81 8
1/4		9.5	80 9
crk		8.8	81 6
E		8.4	82 0

S curb on W

E		8.5	81 9
crk		9.2	81 2
1/4		9.5	80 9
M		8.5	81 9
1/4		8.3	82 1
crk		8.2	82 2
W		8.5	81 9

S.L. Dwight on W

W		8.4	82 0
crk		8.1	82 3
1/4		8.3	82 1
M		8.6	81 8
1/4		9.8	80 6
crk		9.6	80 8
E		9.0	81 4
T.P.	3.25.	285.28	8.10	287.03

285.78

0+75 5.0 of 3.4. Dwight on E

E	3.9	81 4
Crk	4.7	80 6
W	4.8	80 5
M	3.8	81 5
W	3.2	82 1
Crk	3.1	82 2
W	3.1	82 3

1+00

W	3.9	81 4
Crk	3.7	81 6
W	3.6	81 7
M	4.1	81 2
W	4.8	80 5
Crk	5.0	80 3
E	4.2	81 1

1+25

E	5.0	80 3
Crk	5.1	80 2
W	5.1	80 2
M	4.7	80 5
W	4.1	81 2
Crk	4.0	81 3
W	3.9	81 4

1+50

W	4.3	81 0
Crk	4.1	81 2
W	4.0	81 3
M	4.4	80 9
W	5.4	79 9
Crk	5.6	79 2
E	5.1	80 2

1+75

E	4.8	80 5
Crk	5.9	79 4
1/4	5.5	79 8
M	4.3	81 0
1/4	4.4	80 9
Crk	4.4	80 9
W	4.6	80 7

1+50

W	4.7	80 6
Crk	4.7	80 6
1/4	4.7	80 6
M	4.7	80 6
1/4	5.7	79 6
Crk	6.0	79 3
E	5.8	79 5

2+25

E	6.3	79 0
Crk	5.0	80 3
1/4	4.6	80 7
M	4.2	81 1
1/4	4.5	80 8
Crk	4.7	80 6
W	4.4	80 9

2+50

W	4.7	80 6
Crk	5.1	80 2
1/4	5.3	80 0
M	5.6	79 7
1/4	5.4	79 9
Crk	5.5	79 8
E	6.1	79 2

	2+75		
E		6.0	79 3
Crk		5.9	79 4
"4		5.9	79 4
M		5.6	79 7
"4		5.4	79 9
Crk		5.3	80 0
W		4.8	80 5
	3+0		
W		4.7	80 6
Crk		5.2	80 1
"4		5.4	79 9
M		5.9	79 4
"4		6.6	78 7
Crk		6.6	78 7
E		7.0	78 3

	3+25		
E		7.2	78 1
Crk		6.3	79 0
"4		5.7	79 6
M		5.0	80 3
"4		4.7	80 6
Crk		4.8	80 5
W		4.6	80 7
	3+50		
W		4.6	80 7
Crk		5.2	80 1
"4		5.4	79 9
M		6.2	79 1
"4		6.4	78 9
Crk		6.6	79 7
E		6.8	78 5

3+75

E		6.7	78 6
Cab		6.4	78 9
"9		6.5	78 8
M		6.1	79 2
"9		5.5	79 8
Cab		5.2	80 1
W		4.4	80 9

4+0

W		4.3	81 0
Cab		4.8	80 5
"9		5.1	80 2
M		6.4	78 9
"9		7.0	78 3
Cab		7.0	78 3
E		7.2	78 1

4+25

E		7.7	77 6
Cab		7.7	77 6
"9		7.5	77 8
M		6.6	78 7
"9		5.7	79 6
Cab		5.3	80 0
W		4.7	80 6

4+50

W		4.6	80 7
Cab		5.4	79 9
"9		5.7	79 6
M		6.8	78 5
"9		7.8	77 5
Cab		8.1	77 2
E		8.6	76 7

285.28

9+75

E		9.2	76 1
Crk		8.6	76 7
"9		8.3	77 0
M		7.2	78 1
"9		5.6	79 7
Crk		5.1	80 2
W		4.4	80 9

5+0

W		4.8	80 5
Crk		5.5	79 8
"9		5.8	79 5
M		7.6	77 7
"9		8.6	76 7
Crk		8.8	76 5
E		9.2	76 1

5+25

E		10.2	75 1
Crk		9.7	75 6
"9		9.2	76 1
M		7.8	77 5
"9		6.2	79 1
Crk		5.8	79 5
W		4.8	80 5

5+50

W		5.8	79 5
Crk		6.6	78 7
"9		6.9	78 4
M		8.1	77 3
"9		9.7	75 6
Crk		10.1	75 2
E		10.7	74 6
T. P.	4.93	279.57	10.64 274.64

279.57

5+75

E	5.2	74 4
crb	4.5	75 1
11/4	4.2	75 4
M	3.1	76 5
11/4	1.7	77 7
crb	1.3	78 3
W	0.6	79 0

5+99 51 = Mt. Myrtle 60 on E

W	1.4	78 2
crb	1.9	77 2
11/4	2.5	77 1
M	3.9	75 7
11/4	4.7	74 9
crb	5.0	74 6
E	5.5	74 1

Mt Curb on E

E	5.7	73 9
crb	5.2	74 2
11/4	5.0	74 4
M	4.2	75 4
11/4	3.3	76 3
crb	2.7	76 9
W	1.9	77 7

W 11/4 on E

W	2.1	77 5
crb	3.2	76 4
11/4	3.6	76 0
M	4.5	75 1
11/4	5.1	74 5
crb	5.3	74 3
E	5.7	73 9

Center on E

E	6.11	73 5
crb	5.7	73 9
¼	5.6	74 0
M	4.9	74 7
¼	4.0	75 6
crb	3.6	76 0
W	2.7	76 9

3 ¼ on E

W	3.0	76 6
crb	4.0	75 6
¼	4.6	75 0
M	5.6	74 0
¼	6.1	73 5
crb	6.2	73 4
E	6.4	73 2

3. curb on E

E	6.4	73 2
crb	6.3	73 3
¼	6.2	73 4
M	5.7	73 9
¼	4.8	74 8
crb	4.1	75 5
W	3.3	76 3

N.E. Myrtle, W on W

W	3.6	76 0
crb	4.3	75 3
¼	5.0	74 6
M	5.7	73 9
¼	6.2	73 4
crb	6.3	73 3
E	6.4	73 2

S. L. Myrtle on E

E	6.6	73 0
Crb	6.3	73 3
1/4	6.2	73 4
M	5.8	73 8
1/4	5.0	74 6
Crb	4.4	75 2
W	3.6	76 0

N. Curb on W

W	3.7	75 8
Crb	4.6	75 0
1/4	5.2	74 4
M	6.1	73 5
1/4	6.6	73 0
Crb	6.6	73 0
E	6.5	72 8

N 1/4 on W

E	6.8	72 8
Crb	6.7	72 9
1/4	6.7	72 9
M	6.2	73 4
1/4	5.3	74 3
Crb	4.7	74 9
W	3.9	75 7

Center on W

W	4.1	75 5
Crb	4.8	74 8
1/4	5.3	74 3
M	6.5	73 1
1/4	6.9	72 7
Crb	7.1	72 5
E	7.3	72 3

S 1/4 on W

E	8.0	71 6
Crb	7.7	71 9
1/4	7.5	72 1
M	6.9	72 7
1/4	5.5	74 1
Crb	5.0	74 6
W	4.4	75 2

S. Curb on W

W	4.5	75 1
Crb	5.1	74 5
1/4	5.6	74 0
M	7.0	72 6
1/4	7.8	71 8
Crb	7.8	71 8
E	8.1	71 5

S.L. Myrtle on W

E	8.2	71 4
Crb	8.1	71 5
1/4	8.0	71 6
M	7.1	72 5
1/4	5.7	73 9
Crb	5.2	74 4
W	4.8	74 8

0+75 S. of S.L. Myrtle on E

W	5.1	74 5
Crb	5.6	74 0
1/4	6.1	73 5
M	7.4	72 2
1/4	8.4	71 2
Crb	8.5	71 1
E	8.9	70 7

		1+0		
E			9.6	70^{0}
crb			8.9	70^{7}
1/4			8.8	70^{8}
M			7.6	72^{0}
1/4			6.3	73^{3}
Crb			5.9	73^{7}
W			5.5	74^{1}
		1+25		
W			5.8	73^{8}
crb			6.5	73^{1}
1/4			6.8	72^{8}
M			8.0	71^{6}
1/4			9.1	70^{5}
crb			9.3	70^{3}
E			9.8	69^{8}

		1+50		
E			10.1	69^{5}
crb			9.5	70^{1}
1/4			9.3	70^{3}
M			8.5	71^{1}
1/4			7.2	72^{4}
crb			6.7	72^{9}
W			6.0	73^{6}
		1+75		
W			6.4	73^{2}
crb			7.0	72^{6}
1/4			7.5	72^{1}
M			8.6	71^{0}
1/4			9.4	70^{2}
crb			9.8	69^{8}
E			10.4	69^{2}

	2+00		
E		10.4	69.3
Crk		9.9	69.7
"q		9.5	70.1
M		8.6	71.0
"q		7.9	71.7
Crk		7.5	72.1
W		6.8	72.8
	2+25		
W		7.1	72.5
Crk		7.7	71.9
"q		7.9	71.7
M		8.8	70.8
"q		9.8	69.8
Crk		10.0	69.6
E		10.4	69.2

	2+50		
E		10.8	68.8
Crk		10.3	69.3
"q		10.1	69.5
M		9.2	70.4
"q		8.2	71.4
Crk		7.8	71.8
W		7.2	72.4
	2+75		
W		7.6	72.0
Crk		8.2	71.4
"q		8.4	71.2
M		9.2	70.4
"q		10.1	69.5
Crk		10.5	69.1
E		11.1	68.5

		279.57		
		3+0		
E			11.3	68^{3}
crb			10.8	68^{8}
1/4			10.4	69^{2}
M			9.6	70^{0}
1/4			8.8	70^{8}
crb			8.5	71^{1}
W			7.8	71^{8}

$3+44^{5}$ from S.L. Myrtle on E & $2+86^{9}$ from S.L. Myrtle on W = N.L. Park

W			8.0	71^{6}
crb			8.5	71^{1}
1/4			8.7	70^{9}
M			9.5	70^{1}
1/4			10.2	69^{4}
crb			10.4	69^{2}
E			11.0	68^{6}

x-section 8th St N.L. Monterey N. for 330' on 3/30/10 Dunkle
E. & 340' on W. 8th 50' wide 5' quarters Thom
B.M. Brass Plg University & 8th St N.W. 284.42 Evans

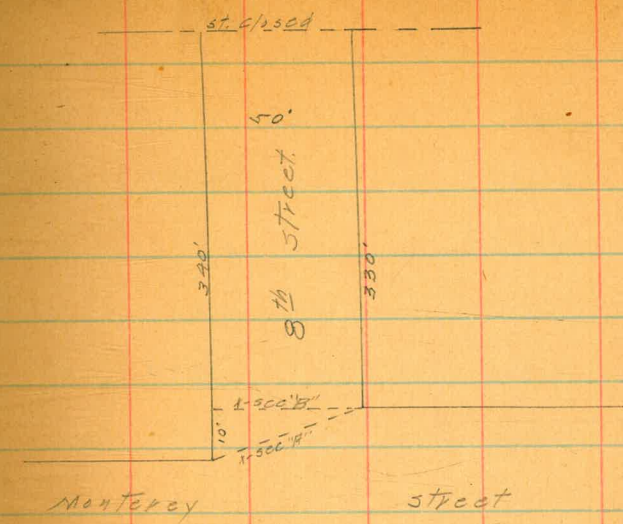
B.M.	4.16	288.58		
T.P.	4.46	288.97	4.07	284.51 B.M.

x-section "A"

W	4.3	284.7
Crb	4.8	285.2
1/4	4.7	285.3
M	4.4	284.6
1/4	4.1	284.9
Crb	4.1	284.9
E	3.9	285.1

1-sec "B"

E	3.9	285.1
Crb	4.3	284.7
1/4	4.3	284.7
M	4.4	284.6
1/4	4.8	284.2
Crb	4.9	284.1
W	4.7	284.3



0+25 N. of sec. "B"

W	4.6	284.4
Crb	5.0	243.0
1/4	4.9	284.1
M	4.8	284.2
1/4	4.5	284.5
Crb	4.2	284.8
E	3.8	285.2

288.97

0+50 N

E	3.8	285.2
Crk	4.2	284.8
1/4	4.3	284.7
M	4.7	284.3
1/4	4.7	284.3
Crk	4.9	284.1
W	4.6	284.4

0+75

W	4.5	284.5
Crk	4.5	284.5
1/4	4.3	284.7
M	4.2	284.8
1/4	4.2	284.8
Crk	3.9	285.1
E	3.7	285.3

1+0

E	3.7	285.3
Crk	3.8	285.2
1/4	4.0	285.0
M	4.2	284.8
1/4	4.4	284.6
Crk	4.5	284.5
W	4.3	284.7

1+25

W	4.5	284.5
Crk	4.5	284.5
1/4	4.6	284.4
M	4.5	284.5
1/4	4.3	284.7
Crk	4.2	284.8
E	4.0	285.0

288.97

1450

E	4.0	285.0
Crk	4.2	284.8
1/4	4.5	284.5
M	4.6	284.4
1/4	4.5	284.5
Crk	4.4	284.6
W	4.3	284.7

1475

W	5.2	283.8
Crk	4.4	284.6
1/4	4.2	284.8
M	4.6	284.4
1/4	4.5	284
Crk	4.2	284.8
E	4.3	284.7

1+0

E	4.1	284.9
Crk	4.4	284.6
1/4	4.4	284.6
M	4.5	284.5
1/4	4.4	284.6
Crk	4.6	284.4
+5	5.2	
W	7.2	281.8

1+25

W	8.7	280.3
+6	5.7	
Crk	4.5	284.5
1/4	4.3	284.7
M	4.4	284.6
1/4	4.5	284.5
Crk	4.5	284.5
E	4.2	284.8

2+45

E	4.2	284.8
crk	4.6	284.4
¼	4.5	284.5
M	4.4	284.6
¼	4.3	284.7
crk	4.5	284.5
W	8.3	280.7

2+46

W	4.5	284.5
crk	4.7	284.3
¼	4.3	284.7
M	4.4	284.6
¼	4.5	284.5
crk	4.6	284.4
E	4.2	284.8

2+50

E	4.3	284.7
crk	4.7	284.3
¼	4.6	284.
M	4.4	284.6
¼	4.5	284.5
crk	5.3	
+1	4.8.	2842
W	4.6	284.4

2+55

W	4.9	284.1
+9	4.9	
crk	5.4	283.6
¼	5.0	283.0
M	4.7	284.3
¼	4.8	284.2
crk	4.9	284.1
E	4.8	284.2

3+0

E	5.2	283.8
Crk	5.4	283.6
1/4	5.2	283.8
M	5.0	284.0
1/4	5.4	283.6
Crk	5.1	283.9
W	5.2	283.8

3+30 = end of St

W	5.5	283.5
Crk	5.4	283.6
1/4	5.4	283.6
M	5.5	283.5
1/4	5.9	283.1
Crk	5.8	283.2
E	5.8	283.2

X-section Monterey st E.L. 8th To 100' E of 9th St & Levels from Sta 1+0 to W.L. 10th St
~~[illegible]~~ See page 51
B.M. hub 8th & Monterey 284.51

3/30/10 Dumpler Shane Evans

B.M	4.31	288.82			
	E.L. 8th St				
N			3.7	285.1	
Crb			3.7	285.1	
1/4			3.7	285.1	
M			3.9	284.9	
1/4			4.1	284.7	
Crb			3.9	284.9	
S			3.3	285.5	
	0+25 E				
S			3.1	285.7	
Crb			3.4	285.4	
1/4			3.3	285.5	
M			3.5	285.3	
1/4			3.4	285.4	
Crb			3.3	285.5	
N			3.3	286.6	

		288.82			
		0+50			
N			3.1	285.7	
Crb			3.5	285.3	
1/4			3.3	285.5	
M			3.3	285.5	
1/4			3.1	285.7	
Crb			3.1	285.7	
S			2.7	286.1	
		0+75			
S			2.8	286.0	
Crb			3.1	285.7	
1/4			3.0	285.8	
M			3.3	285.5	
1/4			3.5	285.3	
Crb			4.0	284.8	
N			3.9	284.9	

288.82

	1+00		
N		4.2	284.6
Crk		4.3	284.5
"		4.3	284.5
M		4.2	284.6
"		3.7	285.1
Crk		3.5	285.3
S		3.2	285.6
	1+25		
S		3.9	284.9
Crk		4.2	284.6
"		4.1	284.7
M		4.4	284.4
"		4.3	284.5
Crk		4.2	284.6
N		4.4	284.4

288.82

	1+50		
N		4.8	284.0
Crk		4.8	284.0
"		4.8	284.0
M		4.8	284.0
"		4.2	284.6
Crk		4.2	284.6
S		3.7	285.1
	1+75		
S		3.9	284.9
Crk		4.6	284.2
"		4.6	284.2
M		4.7	284.1
"		4.7	284.1
Crk		5.3	283.5
N		4.9	283.9

288.82

2+0

			at 2+10
N	5.8	283.5	283.4
Cor	5.6	283.2	283.1
W	5.5	283.3	283.2
M	5.1	283.7	283.4
W	4.8	284.0	283.6
Cor	4.6	284.2	283.8
S	4.2	284.6	284.3

Interpolate for readings at 2+10

2+25

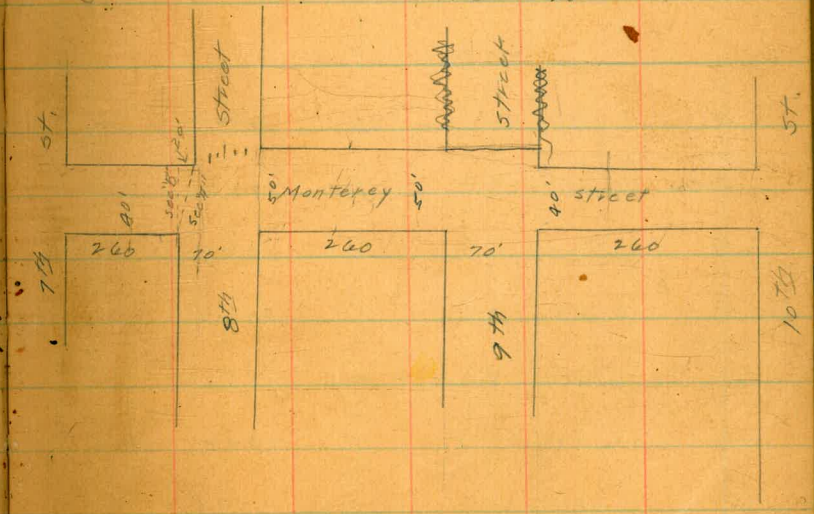
S	4.9	283.9
Cor	5.6	283.2
W	5.7	283.1
A	5.8	283.0
W	5.8	283.0
Cor	5.8	283.0
N	5.5	283.3

288.82

2+60 = W.L. 9th St 70' wide

51

N	5.7	283.1
Cor	5.9	282.9
W	6.0	282.8
M	5.6	283.2
W	5.4	283.4
Cor	5.4	283.4
S	4.8	284.0



288.82

W curb

S	5.2	283.6
crb	5.9	283.4
"/g	5.3	283.5
M	5.7	283.1
"/g	6.0	282.8
crb	6.0	282.8
X	5.8	283.0

W "/g

X	6.0	282.8
crb	6.0	282.8
"/g	6.0	282.8
M	5.8	283.0
"/g	5.5	283.3
crb	5.3	283.5
S	5.2	283.6
S		

288.82

Center

S	4.2	284.6
crb	5.5	283.3
"/g	5.6	283.2
M	6.0	282.8
"/g	6.3	282.5
crb	6.4	282.4
X	6.4	282.4

E "/g

X	6.6	282.2
crb	6.5	282.3
"/g	6.9	282.4
M	6.8	282.5
"/g	6.2	282.6
crb	6.1	282.7
N	5.2	283.6

288.82

E. curb

5	5.3	283.5
curb	6.1	282.2
1/4	6.3	282.5
M	6.4	282.4
1/4	6.5	282.3
curb	6.6	282.2
N	6.7	282.1

E. L. 9th St See Page 51

N	6.6	282.2
curb	6.6	282.2
1/4	6.6	282.2
M	6.5	282.3
1/4	6.4	282.4
curb	6.4	282.4
S	5.4	283.4

288.82

0+25

5	6.6	282.2
curb	6.6	282.2
1/4	6.5	282.3
M	6.5	282.3
1/4	6.5	282.3
curb	6.5	282.3
N	6.6	282.2

0+50

N	6.6	282.2
curb	6.8	282.0
1/4	6.7	282.1
M	6.5	282.3
1/4	6.4	282.4
curb	6.7	282.1
S	6.5	282.3

	288.82			
	0+75			
S			7.2	281.6
Crh			7.2	281.6
1/4			7.1	281.7
M			7.1	281.7
1/4			7.0	281.8
Crh			6.8	282.0
N			7.0	281.8
	0+80			
N			7.0	281.8
Crh			7.0	281.8
1/4			7.1	281.7
M			7.1	281.7
1/4			7.4	281.4
Crh			7.3	281.5
S			8.1	280.7

	~~288.82~~ 2888			
	1+0			
S			18.6	270.2
Crh			18.3	270.5
1/4			14.0	2748
M			14.5	2743
1/4			11.4	2774
Crh			5.5	280.3
N			8.0	2808
	1+07			
N			8.3	280.5
T.P	0.21	276.36	12.67	276.15
℄			3.7	272.7
S			10.9	265.5
	1+25			
S			17.9	258.5
℄			11.3	265.1
N			5.0	271.4
T.P	1.17	265.07	12.96	263.90

		265.07		
		1+50		
N			3.2	261.9
℄			9.5	255.3
S			15.6	~~N~~9.5
T.P.	1.40	253.73	12.74	252.33
		1+75		
S			15.3	238.4
℄			10.8	242.9
N			6.7	246.0
T.P.	0.38	~~2~~51.10	13.01	252.72
		2+0		
N			1.4	349.7
℄			5.3	3458
S			9.9	3412

		~~2~~51.10		
		2+25		
S			15.1	~~2~~36.0
℄			14.0	~~2~~37.1
N			9.5	~~2~~41.6
T.P.	3.21	~~2~~41.75	12.66	238.44
		2+60		
N			12.5	~~2~~49.2
℄			9.3	~~2~~32.4
S			0.2	~~2~~41.5

x-section Monterey St 8th W for 3/31/10 Dunkle
260' " 40' wide 51 Shaw
see plot page
B.M. hub 8th & Monterey 284.51 Evans

B.M	3.18	287.69			
	E.L. 8th				
S			2.1	285.6	
Crb			2.9	284.8	
1/4			2.9	284.8	
M			2.6	285.1	
1/4			2.6	285.1	
Crb			2.6	285.1	
N			2.6	285.1	
	E. Curb				
N			2.8	284.9 R	
Crb			2.6	285.1	
1/4			2.7	285.0	
M			2.9	284.8	
1/4			3.0	284.7	
Crb			2.9	284.8	
S			2.8	284.9	

287.69

		E 1/4			
S			2.8	284.9	
Crb			2.9	284.8	
1/4			3.0	284.7	
M			3.0	284.7	
1/4			2.9	284.8	
Crb			2.9	284.8	
N			2.8	284.9	
		Center			
N			3.1	284.6	
Crb			3.3	284.4	
1/4			3.3	284.4	
M			3.4	284.3	
1/4			3.3	284.4	
Crb			3.1	284.6	
S			2.9	284.8	

287.69

W "A"

S	3.1	284.6
Crb	3.2	284.5
"A	3.2	284.5
M	3.2	284.5
"A	3.4	284.3
Crb	3.5	284.2
N	3.5	284.2

N curb

N	3.5	284.2
Crb	3.2	284.5
"A	3.1	284.6
M	3.2	284.5
"A	3.3	284.4
Crb	3.2	284.5
S	3.1	284.6

287.69

Section "A" see Page 51

S	3.1	284.6
Crb	3.2	284.5
"A	3.2	284.5
M	3.0	284.7
"A	3.0	284.7
Crb	3.0	284.7
N	3.0	284.7

1- Section "B" see P 51

N	3.2	284.5
Crb	3.1	284.6
"A	3.1	284.6
M	3.1	284.6
"A	3.1	284.6
Crb	3.2	284.5
S	3.1	284.6

287.64

0+25 W of "B"

S	2.6	285.1
Crk	3.3	284.4
"A	3.3	284.4
M	3.2	284.5
"A	3.2	284.5
Crk	3.1	284.6
N	3.2	284.5

0+50 W

N	3.5	284.7
Crk	3.4	284.3
"A	3.4	284.3
M	3.4	284.3
"A	3.4	284.3
Crk	3.4	284.3
S	3.6	284.1

287.64

0+75

S	4.1	283.6
Crk	4.1	283.6
"A	3.9	2838
M	3.7	284.0
"A	3.7	284.0
Crk	3.7	284.0
N	3.8	283.9

1+0

N	4.5	283.2
Crk	4.4	283.3
"A	4.3	283.4
M	4.4	283.3
"A	4.5	2832
Crk	4.6	2831
S	4.9	282.8

		287.69			
		1+15			
S			6.4	281.3	
crb			6.2	281.5	
1/4			6.1	281.6	
M			6.0	281.7	
1/4			6.3	281.4	
crb			7.0	280.7	
N			5.9	281.8	
		1+25			
N			10.5	277.2	274.4
crb			10.6	277.1	274.4
1/4			10.9	276.8	274.1
M			11.1	276.6	274.1
1/4			10.5	277.2	274.5
crb			10.9	276.8	274.2
S			11.3	276.4	273.9
T.P.		0.50 275.56	12.63	275.06	

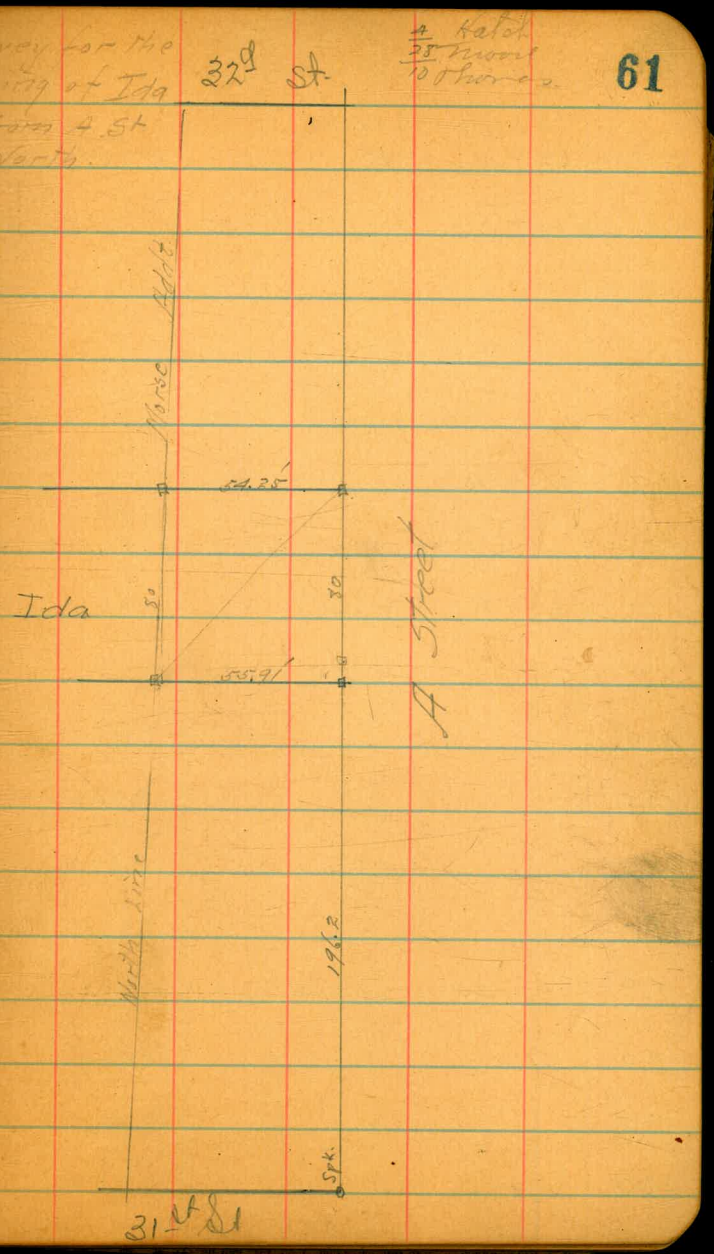
Interpolate for readings at 1+30

	275.56			
	1+50			
S		11.6	264.0	
crb		11.9	263.7	
1/4		12.0	263.6	
M		11.7	263.9	
1/4		12.2	263.4	
crb		11.9	263.7	
N		11.6	263.0	
T.P.	0.25	263.05	12.76	262.80
	1+75			
N		10.1	253.0	
crb		10.7	252.4	
1/4		11.2	251.9	
M		10.2	252.9	
1/4		10.3	252.8	
1/4		9.6	253.5	
crb		6.2	256.9	
S		5.0	258.1	

		263.05		
		2+50		
S.			10.3	252.8
T.P.	0.75	250.95	12.85	250.20
crb			2.6	248.4
"4			3.9	247.2
M			8.6	242.3
"4			9.4	241.6
crb			8.2	242.8
N			7.4	243.5
		2+75		
N			19.2	231.7
crb			16.8	234.2
"4			15.2	235.8
M			13.0	237.9
"4			10.2	240.8
crb			8.1	242.9
S			2.7	248.2

		2+60	250.95	
S			8.8	242.1
crb			11.4	239.6
"4			13.6	237.4
M			15.6	235.3
"4			18.2	232.8
crb			20.1	230.9
N			26.2	224.7

Survey for the opening of Ida St. from 4 St. North.



4/28/10 Hatch Moore Thomas

Profile of Alcatraz St. from Walnut to between Upas & Thorn.

					W.		C.		E	
	0.52	251.72								
BM Walnut and		℄		250.90						
S.L. Walnut										
50' S.					4.6		3.6		2.9	
100' S.					4.9		3.6		3.2	
150					4.4		3.7		4.1	
167 = N.L. Upas					3.9		3.8		4.9	
C.L.	"				3.9		3.9		5.2	
S.L.	"				2.8		4.6		6.9	
30' S.					3.0	248.7	6.2	245.5	12.4	239.3
100' "					4.5	247.2	11.1	240.6		
125					7.6	244.1				
150					10.3	241.4				
175					11.8	239.9				
T.P.	1.20	240.12	13.00	238.72	13.6	238.1				
200					3.3	236.8				
225					4.7	235.4				
250					6.1	234.0				

		240.12				W	Cr.		E	
50 S of Upas									5.0	235.1
100							3.0	237.1	7.3	232.8
125							4.6	235.5	9.9	230.2
150							5.8	234.3		
175							7.4	232.7		
200							9.6	230.5		
T.P.	1.60	228.96	1276	227.36						
150									4.7	224.3
175									11.1	217.9
200									14.4	214.6
225							5.9	223.0		
T.P.	1.26	217.86	1236	216.60						
225									7.0	210.9
250							2.7	215.2	16.0	201.9

10 Hatch
22 Moore
10 Rogers

X Sec. Broadway from Ibis to Hawk

SE Mon

	5.95	273.17		267.216	Ibis Lewis
		El Ibis			
N			4.9	268.3	
ab			5.2	2680	
1/4			5.2	2680	
c			5.1	268.1	
1/4			5.2	2680	
ab			5.1	2681	
S			5.2	268.0	
		25' E			
S			5.8	267.4	
ab			5.6	267.6	
1/4			5.7	267.5	
c			5.5	267.7	
1/4			5.6	267.6	
ab			5.2	2680	
N			4.9	268.3	

		273.17			
		50' E			
N			5.1	268.1	
ab			5.8	267.4	
1/4			6.1	2671	
c			6.2	267.0	
1/4			6.5	266.7	
ab			6.5	266.7	
S			7.4	265.8	
2' S			8.9	264.3	
20' S			11.0	262.2	
		75' E			
20' S			13.4	259.8	
13' S			10.9	262.3	
S			8.4	264.8	
ab			7.1	266.1	
1/4			6.8	266.4	
c			6.7	266.5	

		273.7		
1/4			6.7	266.5
cb			6.5	266.7
N			5.6	267.6
T.P.	0.58	268.05	5.70	267.47
		100' E		
N			0.6	267.5
+5			1.1	267.0
cb			2.0	266.1
1/8			2.1	266.0
C			2.1	266.0
1/4			2.3	265.8
cb			2.3	265.8
S			3.8	264.3
7's			6.6	261.5
10's.			9.3	258.8
		125' E		
30's			17.0	251.1

		268.05		
50's			13.3	254.8
S			6.3	261.8
cb			3.4	264.7
1/8			2.7	265.4
C			2.2	265.9
1/8			2.2	265.9
cb			2.0	266.1
N			1.4	266.7
		150' E		
N			1.6	266.5
cb			1.9	266.2
1/8			2.3	265.8
C			2.7	265.4
1/8			4.9	263.2
cb			7.9	260.2
S			12.0	255.1
22's			22.0	246.1
47's			29.7	238.4

		268.05		
		175' E		
K			1.5	266.6
cb			3.3	264.8
+3			5.2	262.9
1/a			6.2	261.9
C			8.5	259.6
1/a			12.3	255.9
		200' E = Wk. + Lank		
15'N			7.5	260.6
K			10.0	258.1
cb.			12.5	255.6
T.P.	0.25	255.15	13.15	254.90
1/a			2.5	252.7
C			6.2	249.0
1/4			9.6	245.6
cb			12.4	242.8
S			15.8	239.4
25's			25.3	229.9

Same slope for 50' more

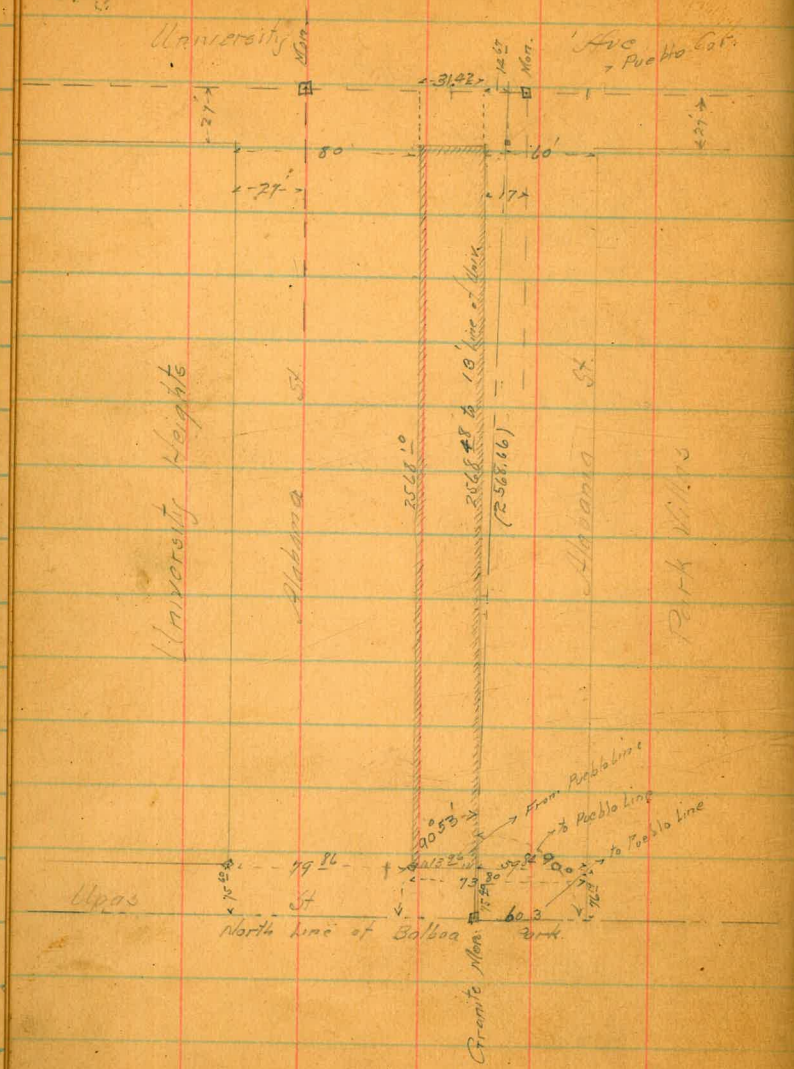
175' E

cb.	1.6	253.6
S	6.9	248.3
35' S	20.6	234.6
45' S	24.6	230.6

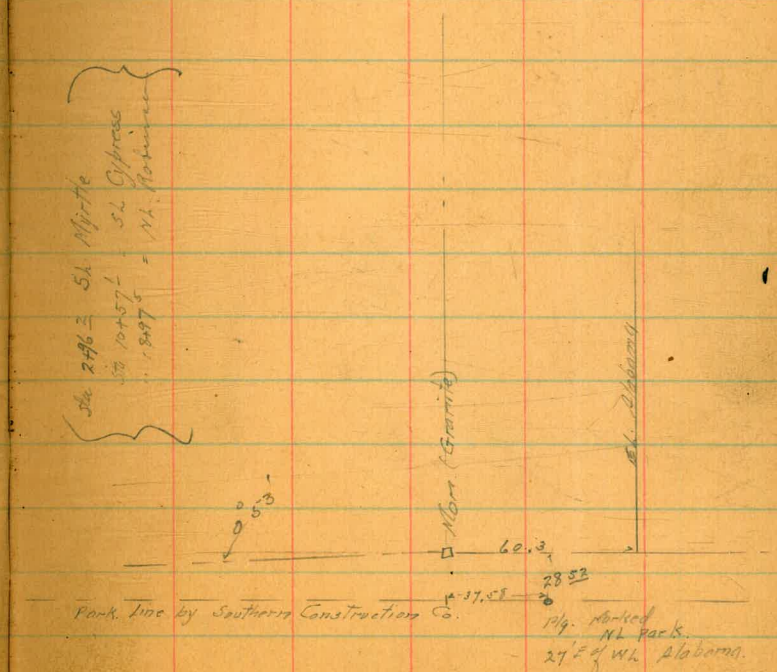
The slope of Broadway across the intersection of Lank is uniform to the east.

12 Hatch
5 Moore
10 Rogers

Survey of Strip between the Two Alabama Streets



both angles (90° 9/4 90°53) refer to Pueblo Line



42 Hatch
6 Moore
10 Rogers

X sec Date St from 30th to Fern

Date - 30th SE Cor

BM RR Spk 947		246.33		236.86
		EL 30th		
N	–		6.8	239.5
10	–		7.1	239.2
20			7.7	238.6
30			7.7	238.6
40	–		8.1	238.2
50			8.7	237.6
60			9.5	236.8
70	–		9.2	237.1
S	–		9.2	237.1
		4' E		
S			9.1	237.2
10			8.5	237.8
20			7.5	238.8
27			6.8	239.5
30			7.7	238.6
38			{7.0	239.3
			{5.9	240.4
40			5.6	240.7

		246.33		
50			5.2	241.1
60			3.8	242.5
70			2.8	243.5
N			1.9	244.4
	25' E			
N			1.5	244.8
10			2.3	244.0
20			3.0	243.3
30			3.9	242.4
40			4.8	241.5
50			5.8	240.5
60			7.0	239.3
70			8.6	237.7
S			9.1	237.2
	50' E			
S			9.4	236.9
10			8.3	238.0
20			6.8	239.5

246.33

30	5.5	240.8
40	4.5	241.8
50	3.7	242.6
60	3.0	243.3
70	2.3	244.0
N	1.8	245.0

75' E

N	1.5	244.8
10	2.3	244.0
20	3.1	243.2
30	3.9	242.4
40	4.9	241.4
50	6.0	240.3
60	7.1	239.2
70	8.3	238.0
S	9.3	237.0

246.33

100' E

S	9.6	236.7
10	8.1	238.2
20	6.7	239.6
30	5.5	240.8
40	4.5	241.8
50	3.7	242.6
60	3.1	243.2
70	2.4	243.9
N	1.6	244.7

125 E

N	2.2	244.1
10	2.9	243.4
20	3.7	242.6
30	4.4	241.9
40	5.2	241.1
50	6.2	240.1

	246.33		
60		7.2	239.1
70		8.4	237.9
S		10.0	236.3
	150 E		
S		10.3	236.0
10		8.9	237.4
20		7.6	238.7
30		6.5	239.8
40		5.6	240.7
50		4.7	241.6
60		4.1	242.2
70		3.3	243.0
N		2.5	243.8
	175 E		
N		2.9	243.4
10		3.6	242.7
20		4.3	242.0

	246.33		
30		4.9	241.4
40		5.6	240.7
50		6.7	239.6
60		7.7	238.6
70		9.0	237.3
S		10.2	236.1
	200 E		
S		10.2	236.1
10		9.1	237.2
20		8.1	238.2
30		7.2	239.1
40		6.4	239.9
50		5.4	240.9
60		4.6	241.7
70		4.0	242.3
N		3.3	243.0

246 33

230 E = W/L Ferry St.

N	5.0	241.3
10	5.7	240.6
20	6.3	240.0
30	6.9	239.4
40	7.5	238.8
50	8.6	237.7
60	9.7	236.6
70	10.4	235.9
8	11.2	235.1

Alley bet 4th & 5th

Pennsylvania

	W.	C.	E
150 N	282 59	281 62	282 39
125 N	282 51	281 54	282 31
100 N	282 43	281 46	282 24
75 N	282 34	281 38	282 15
50 N.	282 26	281 30	282 07
~~25 N~~	282 16	281 20	281 97
20 N. of Kingman			
OO	282 09	281 75	281 91

NL Brooks

						279 91
	00	E			4 15	281 92
	20 N.	W	6 16	286 07	3 90	282 17
		E			4 10	281 97
	50 N	W			3 80	282 27
		E			3 97	282 10
	75 N	W			3 70	282 37
		E				
	100 N	W			3 62	282 45
		E			3 82	282 25
15	125 N	W			3 53	282 54
12		E			3 75	282 32
10	150 N	W			3 48	282 59
75		E			3 68	282 39
50						
~~25~~						
20N.						
00						

Brass plug in return N.W Cor 5th & Brooks.

(N W Cor 4th & Brooks 283 32)

#400