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

491

400

LEVEL

F.B. 491

Return to City Engineers Office
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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 DEC 11 1964

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

140
2
280
80
360

140
80
37.27
257.27

5.38
+1.54
6.92

6.17
4.57
+1.60
c1.6

5.41
4.21
+1.20

4.65
4.03
+.62

3.89
3.57
+.32

3.13 = 0
.76

3.89 = 25
.76

4.65 = 50
.76

5.41 = 75
.76

6.17 = 100
.76

6.93 = 125

380

6.92
3.13
5 | 3.79
.76

X-sec- UPas St W.L. Vermont to Alabama 11/3/09 Dunkle Shaw Dezier

1

B.M. S.E.R.R. SPK Park & Cypress 302.55

B.M.	2.68	305.23		
T.P.	2.99	295.52	12.70	292.53
T.P.	0.91	290.67	5.76	289.76
T.P.	4.24	286.50	8.41	282.26

Note-UPas St 85.5' wide at E.L. of Vermont

UPas St 82' wide at E.L. of Richmond
" " 75.6' " " W.L. Alabama

Angle on S.L. of UPas or N.L. of Park at Richmond.
UP7

286.50

W.L. Vermont 80' wide

N	29.3	257.2
ab	28.2	258.3
1/4	29.1	257.4
M	31.9	254.6
1/4	34.2	252.3
ab	35.9	250.6
S	34.6	251.9

POSTED

286.50

W. curb

S	27.3	257.2
crb	26.5	260.0
1/4	26.0	260.5
M	26.2	260.3
1/4	23.1	263.4
crb	22.6	263.9
N	22.6	263.9

W 1/4

N	19.2	267.3
crb	16.8	269.7
1/4	18.4	268.1
M	21.0	265.5
1/4	20.5	266.0
crb	20.6	265.9
S	22.2	264.3

Center

S	16.1	270.4
crb	15.1	271.4
1/4	14.5	272.0
M	14.1	272.4
1/4	13.5	273.0
crb	11.9	274.6
N	12.9	273.6

286.50

E 1/4

N	8.7	277.8
crb	8.4	278.1
1/4	8.6	277.9
M	9.0	277.5
1/4	9.9	276.6
crb	10.4	276.1
S	10.4	276.1

E. curb

S	8.3	278.2
crb	8.4	278.1
1/4	8.2	278.3
M	8.2	278.3
1/4	8.1	278.4
crb	8.0	278.5
N	8.2	278.3

286.50

E.L. Vermont

N	6.6	279.9
crb	7.7	278.8
1/4	7.7	278.8
ctr	7.7	278.8
1/4	7.9	278.6
crb	8.1	278.4
S	8.2	278.3

0+25

S	7.6	278.9
crb	7.6	278.9
1/4	7.2	279.3
ctr	7.0	279.5
1/4	7.3	279.2
crb	7.5	279.0
N	7.3	279.2

286.5

N	6.6	279.9
crb	6.7	279.8
1/4	7.0	279.5
ctr	6.9	279.6
1/4	7.0	279.5
crb	7.5	279.0
S	7.8	278.7

0+75

S	6.6	279.9
crb	7.0	279.5
1/4	6.8	279.7
ctr	6.5	280.0
1/4	6.5	280.0
crb	5.4	281.1
N	4.7	281.8

286.50

1+0

N	5.2	281.3
cb	5.2	281.3
1/4	5.2	281.3
ctr	5.4	281.1
1/4	5.8	280.7
cb	6.1	280.4
S	6.1	280.4

1+25

S	6.1	280.4
cb	6.1	280.4
1/4	5.4	281.1
ctr	5.3	281.2
1/4	5.0	281.5
cb	4.7	281.8
N	4.4	282.1

286.5

1+50

N	3.9	282.6
cb	4.3	282.2
1/4	4.8	281.7
ctr	5.1	281.4
1/4	5.4	281.1
cb	5.7	280.8
S	5.3	281.2

1+75

S	4.9	281.6
cb	5.6	280.9
1/4	5.3	281.2
ctr	5.2	281.3
1/4	5.1	281.4
cb	4.9	281.6
N	4.7	281.8

	286.50		
	2+0		
N		3.5	283.0
crb		4.6	281.9
"4		5.0	281.5
M		4.9	281.6
"4		5.0	281.5
crb		5.2	281.3
S		5.2	281.3
	2+25		
S		5.2	281.3
crb		5.0	281.5
"4		5.0	281.5
M		4.8	281.7
"4		5.0	281.5
Crb		5.0	281.5
N		4.3	282.2

	286.50		
	2+50		
N		4.4	282.1
crb		4.8	281.7
"4		4.8	281.7
M		4.8	281.7
"4		4.9	281.6
crb		5.1	281.4
S		5.0	281.5
	2+75		
S		4.4	282.1
crb		4.4	282.1
"4		4.7	281.8
M		4.8	281.7
"4		4.7	281.8
crb		4.7	281.8
N		4.6	281.9

	286.50		
	3+00		
N		4.1	282.4
crb		4.5	282.0
1/4		4.3	282.2
M		4.3	282.2
1/4		4.4	282.1
crb		4.6	281.9
S		4.7	281.8
	3+25		
S		5.5	281.0
crb		4.8	281.7
1/4		4.7	281.8
M		4.5	282.0
1/4		4.5	282.0
crb		4.0	282.5
N		3.9	282.6

	286.5		
	3+50		
N		3.8	282.7
crb		4.4	282.1
1/4		4.7	281.8
M		4.8	281.7
1/4		5.2	281.3
crb		5.5	281.0
S		6.1	280.4
	3+75		
S		5.8	280.7
crb		4.9	281.6
1/4		4.9	281.6
M		4.7	281.8
1/4		4.7	281.8
crb		3.9	282.6
N		3.4	283.1

	286.50		
	4+0		
N		3.6	282.9
ctr		4.0	282.5
1/4		4.2	282.3
M		4.5	282.0
1/4		4.7	281.8
ctr		5.2	281.3
S		5.9	280.6
	4+25		
S		6.2	280.3
ctr		5.3	281.2
1/4		5.1	281.4
M		4.7	281.8
1/4		4.4	282.1
ctr		4.2	282.3
N		3.7	282.8

	286.5		
	4+50		
N		3.5	283.0
ctr		4.2	282.3
1/4		4.6	281.9
M		5.0	281.5
1/4		5.3	281.2
ctr		5.8	280.7
S		6.0	280.5
	4+75		
S		5.7	280.8
ctr		5.5	281.0
1/4		5.1	281.4
M		4.8	281.7
1/4		4.5	282.0
ctr		4.2	282.3
N		3.2	283.3

	286.50		
	5+0		
N		2.8	283.7
crb		3.5	283.0
"4		4.3	282.2
M		4.7	281.8
"4		5.0	281.5
Crb		5.3	281.2
S		5.4	281.1
	5+25		
S		4.5	281.7
crb		5.0	281.5
"4		4.8	281.7
M		4.5	282.0
"4		4.1	282.4
Crb		3.6	282.9
N		3.0	283.5

	286.5		
	5+50		
N		2.9	283.6
crb		3.5	283.0
"4		4.1	282.4
M		4.3	282.2
"4		4.5	282.0
crb		4.8	281.7
S		4.1	282.4
	5+75		
S		3.7	282.8
crb		4.4	282.1
"4		4.2	282.3
M		4.0	282.5
"4		3.9	282.6
crb		3.4	283.1
N		2.8	283.7

		286.50		
	6+0 = N.L. Richmond St 80' wide			
N			3.1	283.4
Crb			3.5	283.0
1/4			3.5	283.0
M			3.8	282.7
1/4			4.0	282.5
Crb			3.9	282.6
S			3.2	283.3
T.P.	9.23	292.10	3.63	282.87
	W curb			
S			8.8	283.3
Crb			9.1	283.0
1/4			9.2	282.9
M			9.4	282.7
1/4			9.8	282.3
Crb			9.2	282.9
N			8.4	283.7

		292.10		
		W 1/4		
N			8.6	283.5
Crb			9.2	282.9
1/4			9.7	282.4
M			9.4	282.7
1/4			9.2	282.9
Crb			9.1	283.0
S			8.4	283.7
		Center		
S			8.4	283.7
Crb			9.0	283.1
1/4			9.1	283.0
M			9.1	283.0
1/4			9.2	282.9
Crb			8.9	283.2
N			8.4	283.7

292.10

E 114

N	8.3	283.8
crk	8.5	283.6
114	9.2	282.9
M	9.1	283.0
114	9.0	283.1
crk	9.1	283.0
S	8.6	283.5

E. Curb

S	8.9	283.2
crk	9.2	282.9
114	9.3	282.8
M	9.2	282.9
114	9.1	283.0
crk	8.3	283.8
N	8.1	284.0

292.10

E. L. Richmond St

N	7.9	284.2
crk	8.0	284.1
114	8.8	283.3
M	9.1	283.0
114	8.8	283.3
crk	9.0	283.1
S	9.0	283.1

0+25 E of Richmond

S	7.6	284.5
crk	7.5	284.6
114	7.7	284.4
M	7.6	284.5
114	8.2	283.9
crk	8.1	284.0
N	7.6	284.5

	292.10			
	0450			
N		8.0	284.1	
Crk		8.2	283.9	
1/4		7.9	284.2	
M		7.3	284.8	
1/4		7.0	285.1	
Crk		6.9	285.2	
S		7.1	285.0	
	0475			
S		6.5	285.6	
Crk		6.6	285.5	
1/4		6.6	285.5	
M		6.9	285.2	
1/4		7.1	285.0	
Crk		6.9	285.2	
N		6.5	285.6	

	292.10			
	170			
N		5.7	286.4	
Crk		6.0	286.1	
1/4		6.2	285.9	
M		5.9	286.2	
1/4		5.5	286.6	
Crk		5.9	286.2	
S		5.5	286.6	
	1425			
S		5.1	287.0	
Crk		5.4	286.7	
1/4		5.3	286.8	
M		5.4	286.7	
1/4		5.4	286.7	
Crk		5.5	286.6	
N		4.9	287.2	

		292.10		
		1+50		
N			5.2	286.9
Cab			5.3	286.8
1/4			5.0	287.1
M			5.2	286.9
1/4			5.1	287.0
Cab			5.0	287.1
S			4.5	287.6
		1+75		
S			4.8	287.3
Cab			5.1	287.0
1/4			4.9	287.2
M			4.7	287.4
1/4			4.6	287.5
Cab			5.1	287.0
N			5.1	287.0

		292.10		
		2+0		
N			5.2	286.9
Cab			5.1	287.0
1/4			4.7	287.4
M			4.6	287.5
1/4			4.5	287.6
Cab			4.3	287.8
S			4.1	288.0
		2+25		
S			3.9	288.2
Cab			4.2	287.9
1/4			4.7	287.4
M			5.0	287.1
1/4			5.2	286.9
Cab			5.5	286.6
N			5.5	286.6

292.10

2+50 = W.L. Albert, 80' wide

N	4.9	287.2
Crb	5.4	286.7
W/G	5.3	286.8
M	5.2	286.9
W/G	5.0	287.1
Crb	4.8	287.3
S	4.7	287.4

W. Curb

S	4.7	287.4
Crb	4.9	287.2
W/G	5.1	287.0
M	5.4	286.7
W/G	5.3	286.8
Crb	5.2	286.9
N	4.6	287.5

292.10

W W/G

N	4.2	287.9
Crb	4.7	287.4
W/G	5.0	287.1
M	5.1	287.0
W/G	5.0	287.1
Crb	5.2	286.9
S	4.7	287.4

Center

S	4.7	287.4
Crb	4.7	287.4
W/G	4.7	287.4
M	4.8	287.3
W/G	4.7	287.4
Crb	4.0	288.1
N	3.9	288.2

		292.10		
		E 1/4		
N			3.8	288.3
Crk			3.8	288.3
1/4			4.4	287.7
M			4.7	287.4
1/4			4.4	287.7
Crk			4.4	287.7
S			4.3	287.8
		E. Curb		
S			4.2	287.9
Crk			4.3	287.8
1/4			4.1	288.0
M			4.5	287.6
1/4			4.1	288.0
Crk			3.6	288.5
N			3.7	288.4

		292.10		
		E.L. Albert		
N			2.9	289.2
Crk			3.4	288.7
1/4			3.6	288.5
M			3.8	288.3
1/4			3.8	288.3
Crk			4.0	288.1
S			4.1	288.0
T.P.	8.49	297.69	2.90	289.20
		0+25 E of Albert		
S			8.9	288.8
Crk			8.5	289.2
1/4			8.4	289.3
M			8.3	289.4
1/4			8.5	289.2
Crk			8.4	289.3
N			8.0	289.7

		297.69		11/9/09	Dimple Shaw Dezice
		0+50			
N			7.2	290.5	
crb			7.3	290.4	
1/4			7.5	290.2	
M			7.5	290.2	
1/4			7.6	290.1	
crb			7.7	290.0	
S			7.9	289.8	
		0+75			
S			6.9	290.8	
crb			7.2	290.5	
1/4			7.2	290.5	
M			7.1	290.6	
1/4			6.9	290.8	
crb			6.6	291.1	
N			6.3	291.4	

		297.69			
		1+0			
N			5.9	291.8	
crb			6.3	291.4	
1/4			6.5	291.2	
M			7.2	290.5	
1/4			6.9	290.8	
crb			6.4	291.3	
S			6.3	291.4	
		1+25			
S			5.1	292.6	
crb			5.6	292.1	
1/4			6.3	291.4	
M			6.8	290.9	
1/4			6.4	291.3	
crb			6.1	291.6	
N			6.1	291.6	

297.69

1+50

N	6.0	291.7
crb	6.1	291.6
1/4	6.2	291.5
M	6.0	291.7
1/4	5.5	292.2
crb	4.9	292.8
S	9.3	293.4

1+75

S	3.9	293.8
crb	4.7	293.0
1/4	5.5	292.2
M	5.7	292.0
1/4	5.3	292.4
crb	5.5	292.2
N	5.8	291.9

2+0 = W.L. Herbert St 80' wide

N	5.7	292.0
crb	5.7	292.0
1/4	5.5	292.2
M	5.2	292.5
1/4	5.0	292.7
crb	5.0	292.7
S	4.5	293.2

N. curb

S	4.5	293.2
crb	4.6	293.1
1/4	4.4	293.3
M	4.6	293.1
1/4	4.9	292.8
crb	5.5	292.2
N	5.6	292.1

297.69

W ½

N	5.2	292.5
Crb	5.6	292.1
½	5.0	292.7
M	4.6	293.1
½	4.3	293.4
Crb	4.4	293.3
S	4.5	293.2

Center

S	4.3	293.4
Crb	4.5	293.2
½	4.7	293.0
M	4.7	293.0
½	5.1	292.6
Crb	5.9	291.8
N	5.3	292.4

E. ½

N	6.0	291.7
Crb	6.1	291.6
½	5.6	292.1
M	5.5	292.2
½	4.8	292.9
Crb	4.6	293.1
S	4.5	293.2

E. Curb

S	4.6	293.1
Crb	5.0	292.7
½	5.4	292.3
M	5.7	292.0
½	5.9	291.8
Crb	6.1	291.6
N	6.5	291.2

297.69

E. L. Herbert St

N	6.2	291.5
Crb	6.2	291.5
"4	5.8	291.9
M	6.0	291.7
"4	5.3	292.4
Crb	4.4	293.3
S	5.1	292.6

0+25 E of Herbert

S	5.6	292.1
Crb	5.1	292.6
"4	5.6	292.1
M	6.0	291.7
"4	5.9	291.8
Crb	6.1	291.6
N	5.8	291.9

0+50

N	4.8	292.9
Crb	5.3	292.4
"4	5.7	292.0
M	5.9	291.8
"4	6.0	291.7
Crb	5.9	291.8
S	5.6	292.1

0+75

S	5.6	292.1
Crb	5.6	292.1
"4	5.6	292.1
M	5.1	292.6
"4	5.5	292.2
Crb	5.0	292.7
N	4.9	292.8

	297.69		
	1+0		
N		4.9	292.8
crb		4.8	292.9
"A		5.0	292.7
M		4.9	292.8
"A		4.8	292.9
crb		4.8	292.9
S		4.8	292.9
	1+25		
S		4.5	293.2
crb		4.4	293.3
"A		4.6	293.1
M		5.0	292.7
"A		4.7	293.0
crb		4.9	292.8
N		4.9	292.8

	1+50		
N		6.0	291.7
crb		5.4	292.3
"A		5.3	292.4
M		5.4	292.3
"A		5.1	292.6
crb		4.6	293.1
S		4.3	293.4
	1+75		
S		5.0	292.7
crb		5.6	292.1
"A		5.8	291.9
M		6.1	291.6
"A		6.1	291.6
crb		5.3	292.4
N		5.8	291.9

297.69

2+0

N	6.4	291.3
crb	6.3	291.4
1/4	6.2	291.5
M	6.0	291.7
1/4	5.8	291.9
crb	5.4	292.3
S	5.6	292.1

2+25

S	5.6	292.1
crb	5.6	292.1
1/4	5.8	291.9
M	5.7	292.0
1/4	5.9	291.8
crb	5.9	291.8
N	6.0	291.7

2+50

N	5.7	292.0
crb	5.4	292.3
1/4	4.8	292.9
M	5.5	292.2
1/4	5.4	292.3
crb	5.2	292.5
S	5.5	292.2

2+75

S	4.6	293.1
crb	3.5	294.2
1/4	4.1	293.6
M	5.1	292.6
1/4	5.1	292.6
crb	4.9	292.8
N	4.0	293.7

297.69

3+0

N	3.9	293.8
Crb	4.0	293.7
1/4	4.1	293.6
M	3.9	293.8
1/4	4.4	293.3
Crb	4.5	293.2
S	4.0	293.7

3+25

S	3.0	294.7
Crb	3.2	294.5
1/4	3.7	294.0
M	3.7	294.0
1/4	3.3	294.4
Crb	3.2	294.5
N	2.4	295.3

3+50

N	3.0	294.7
Crb	2.8	294.9
1/4	3.0	294.7
M	3.1	294.6
1/4	3.0	294.7
Crb	2.7	295.0
S	3.2	294.5

3+75

S	2.6	295.1
Crb	2.4	295.3
1/4	2.3	295.4
M	2.1	295.6
1/4	2.5	295.2
Crb	2.1	295.6
N	1.4	296.3

297.69

4+08.5 = W.L. Park Boulevard 150' wide

N	1.9	295.8
Crb	1.9	295.8
1/4	2.0	295.7
M	2.1	295.6
1/4	2.1	295.6
Crb	1.9	295.8
S	2.1	295.6

W. curb

S	2.1	295.6
Crb	2.1	295.6
1/4	2.2	295.5
M	2.0	295.7
1/4	1.8	295.9
Crb	1.5	296.2
N	1.5	296.2

W 1/4

N	1.5	296.2
Crb	1.6	296.1
1/4	1.7	296.0
M	1.8	295.9
1/4	1.8	295.9
Crb	1.9	295.8
S	2.2	295.5

Center

S	1.2	296.5
Crb	1.0	296.7
1/4	0.8	296.9
M	0.7	297.0
1/4	0.8	296.9
Crb	0.7	297.0
N	0.4	297.3

		297.69		
		E. "4		
N			1.1	296.6
Crb			1.1	296.6
"4			0.9	296.8
M			1.0	296.7
"4			1.1	296.6
Crb			1.5	296.2
S			2.0	295.7
		E. Curb		
S			3.2	294.5
Crb			2.8	294.9
"4			2.5	295.2
M			2.5	295.2
"4			2.3	295.4
Crb			1.9	295.8
N			1.6	296.1
T. P.	2.53	303.91	2.31	295.38

		303.91		
		E. L. Park Blvd.		
N			8.5	295.4
Crb			8.6	295.3
"4			9.3	294.6
M			9.5	294.4
"4			9.6	294.3
Crb			9.8	294.1
S			10.4	293.5
		0+25 E of Park		
S			11.9	292.0
Crb			11.5	292.4
"4			11.1	292.8
M			10.7	293.2
"4			10.5	293.4
Crb			10.2	293.7
N			9.8	294.1

303.91

0+50

N	9.0	294.9
crb	9.3	294.6
1/4	9.4	294.5
M	10.1	293.8
1/4	10.4	293.5
crb	10.5	293.4
S	11.0	292.9

0+75

S	9.3	294.6
crb	9.0	294.9
1/4	8.6	295.3
M	8.4	295.5
1/4	8.2	295.7
crb	7.7	296.2
N	7.5	296.4

1+0

N	6.1	297.8
crb	6.4	297.5
1/4	6.7	297.2
M	7.1	296.8
1/4	7.3	296.6
crb	7.4	296.5
S	7.1	296.8

1+25

S	5.5	298.4
crb	5.7	298.2
1/4	5.9	298.0
M	5.8	298.1
1/4	5.7	298.2
crb	5.8	298.1
N	5.6	298.3

1+50

N	4.2	299.7
Cab	4.4	299.5
1/4	4.3	299.6
M	4.5	299.4
1/4	4.4	299.5
Cab	4.4	299.5
S	4.5	299.4

1+75

S	4.1	299.8
Cab	3.8	300.1
1/4	3.6	300.3
M	3.4	300.5
1/4	3.6	300.3
Cab	3.5	300.4
N	3.3	300.6

2+0

N	2.6	301.3
Cab	2.6	301.3
1/4	2.2	301.7
M	2.7	301.2
1/4	2.7	301.2
Cab	2.9	301.0
S	2.8	301.1

2+25

S	3.0	300.9
Cab	2.8	301.1
1/4	2.7	301.2
M	2.6	301.3
1/4	2.5	301.4
Cab	2.2	301.7
N	2.5	301.4

303.91

2+50

N	3.2	300.7
Crb	3.0	300.9
"4	3.7	300.2
M	3.1	300.8
"4	3.0	300.9
Crb	2.9	301.0
S	3.0	300.9

2+75

S	3.3	300.6
Crb	3.4	300.5
"4	3.5	300.4
M	3.7	300.2
"4	3.8	300.1
Crb	4.2	299.7
N	4.0	299.9

3+0 = w.l. Indiana St 80' wide

N	4.6	299.3
Crb	4.7	299.2
"4	4.6	299.3
M	4.4	299.5
"4	4.5	299.4
Crb	4.0	299.9
S	4.5	299.4

W. curb

S	4.9	299.0
Crb	4.7	299.2
"4	4.8	299.1
M	4.8	299.1
"4	4.9	299.0
Crb	4.8	299.1
N	4.9	299.0

W ¼

N	5.4	298.5
crb	5.1	298.7
¼	5.1	298.8
M	4.9	299.0
¼	5.1	298.8
crb	5.2	298.7
S	5.2	298.7

Center

S	5.4	298.5
crb	5.5	298.4
¼	5.4	298.5
M	5.2	298.7
¼	5.3	298.6
crb	5.5	298.4
N	5.8	298.1

E ¼

N	5.9	298.0
crb	5.8	298.1
¼	5.6	298.3
M	5.8	298.1
¼	5.7	298.2
crb	5.9	298.0
S	5.9	298.0

E. curb

S	6.7	297.2
crb	6.6	297.3
¼	6.3	297.6
M	6.2	297.7
¼	6.3	297.6
crb	6.1	297.8
N	6.3	297.6

303.91

E.L. Indiana st

N		6.8	297.1
Crb		6.7	297.2
"4		6.8	297.1
M		6.8	297.1
"4		7.0	296.9
Crb		7.1	296.8
S		7.4	296.5

0+25' E

S		9.1	294.8
Crb		9.2	294.7
"4		9.2	294.7
M		9.3	294.6
"4		9.4	294.5
Crb		9.6	294.3
N		10.4	293.5

0+50

N		12.4	291.5
Crb		12.0	291.9
"4		12.2	291.7
M		12.7	291.2
"4		12.6	291.3
Crb		12.9	291.0
S		13.0	290.9
T.P.	1.52	292.76	12.67	291.24

0+75

S		6.0	286.8
Crb		5.9	286.9
"4		6.2	286.6
M		5.8	287.0
"4		5.4	287.4
Crb		5.8	287.0
N		6.4	286.4

		292.76		
		1+0		
N			11.6	281.2
Crb			12.3	280.5
1/4			11.2	281.6
M			11.3	281.5
1/4			12.0	280.8
Crb			11.8	281.0
S			12.0	280.8
T.P.	0.28	280.41	12.63	280.13
		1+25		
S			5.7	274.7
Crb			6.1	274.3
1/4			5.9	274.5
M			5.5	274.9
1/4			6.6	273.8
Crb			7.2	273.2
N			8.2	272.2

		1+50		
N			14.9	265.5
Crb			12.7	267.7
1/4			12.8	267.6
M			12.4	268.0
1/4			12.5	267.9
Crb			10.9	269.5
S			11.1	269.3
T.P.	0.03	267.99	12.95	267.96
		1+75		
S			4.1	263.4
Crb			4.9	262.6
1/4			4.8	262.7
M			4.5	263.0
1/4			4.9	262.6
Crb			6.6	260.9
N			9.1	258.4

		267.49		
		2+0		
N			17.0	250.5
crb			14.8	252.7
"4			14.1	253.4
M			12.3	255.2
"4			11.8	255.7
Crb			12.0	255.5
S			11.2	256.3
T.P.	0.20	255.19	12.50	254.99
		2+25		
S			5.7	249.5
crb			6.0	249.2
"4			6.4	248.8
M			7.1	248.1
"4			9.5	245.7
Crb			11.4	243.8
N			12.6	242.6

		2+50		
N			20.8	234.4
crb			19.2	236.0
"4			18.0	237.2
M			17.2	238.0
"4			16.5	238.7
Crb			16.2	239.0
S			14.3	240.9
T.P.	0.07	242.51	12.75	242.44
		2+75		
S			9.4	233.1
crb			11.0	231.5
"4			12.1	230.4
M			12.1	230.4
"4			13.0	229.5
Crb			13.9	228.6
N			16.5	226.0
T.P.	0.46	230.36	12.61	229.90

230.36 ✓

11/5/09 Dunkle Shaw Dyrit

3+0 = W.L. Georgia St 80' wide

N			12.2	218.2
Crb			10.9	219.5
1/4			9.8	220.6
M			9.1	221.3
1/4			8.7	221.7
Crb			7.5	222.9
S			4.1	226.3
	W. Curb			
S			7.1	223.3
Crb			10.6	219.8
1/4			13.7	216.7
M			14.6	215.8
1/4			14.6	215.8
Crb			15.0	215.4
N			15.2	215.2
T.P.	6.68	224.87	12.17	218.19

224.87

W 1/4

N			9.9	215.0
Crb			11.7	213.2
1/4			11.8	213.1
M			11.3	213.6
1/4			10.3	214.6
Crb			7.9	217.0
S			5.3	219.6
	Center			
S			9.6	215.3
Crb			11.8	213.1
1/4			13.2	211.7
M			13.1	211.8
1/4			11.3	213.6
Crb			7.8	217.1
N			4.4	220.5

		224.87		
		E 1/4		
N			+0.5	225.4
Crb			4.8	220.1
1/4			8.7	216.2
M			12.2	212.7
1/4			14.2	210.7
Crb			15.2	209.7
S			13.7	211.2
		E. Curb		
S			16.2	208.7
Crb			14.1	210.8
1/4			11.6	213.3
M			9.1	215.8
1/4			5.9	219.0
Crb			2.9	222.0
T.P.	11.99	235.40	1.46	223.41
N.L.			8.6	226.8

		E.L. Georgia St		
N			7.1	228.3
Crb			10.8	224.6
1/4			14.0	221.4
M			16.8	218.6
1/4			19.7	215.7
Crb			22.6	212.8
S			25.4	210.0
		0+25' E		
S			21.8	213.6
Crb			18.9	216.5
1/4			15.5	219.9
M			12.4	223.0
1/4			8.4	227.0
Crb			5.1	230.3
N			1.5	233.9
T.P.	10.30	245.00	0.70	234.70

		245.00		
		0+50		
N			5.0	240.0
Crb			7.8	237.2
1/4			10.6	234.4
M			13.7	231.3
1/4			18.3	226.7
Crb			22.6	222.4
S			26.8	218.2
		0+75		
S			19.9	225.1
Crb			14.8	230.2
1/4			11.0	234.0
M			6.7	238.3
1/4			4.7	240.3
Crb			3.1	241.9
N			1.4	243.6

		1+00		
N			4.7	240.3
Crb			5.4	239.6
1/4			6.4	238.6
M			8.5	236.5
1/4			11.7	233.3
Crb			15.4	229.6
S			20.0	225.0
		1+25		
S			26.3	218.7
Crb			21.9	223.1
1/4			18.9	226.1
M			15.6	229.4
1/4			13.9	231.1
Crb			12.0	233.0
N			11.7	233.3
T.P.	0.68	232.86	12.52	232.18

		232.86		
		1+50		
N			6.8	226.1
crb			10.3	222.6
"q			12.6	220.3
M			14.2	218.7
"q			15.5	217.4
crb			18.8	214.1
S			22.6	210.3
T.P.	0.17	220.27	12.76	220.19
T.P	5.88	213.42	12.73	207.54
		1+75		
S			11.3	202.1
crb			8.5	204.9
"q			7.0	206.4
M			5.8	207.6
"q			4.2	209.2
crb			1.9	211.5
N			+0.4	213.0

		2+0		
N			9.1	204.3
crb			11.3	202.1
"q.			13.1	200.3
M			14.1	199.3
"q.			15.5	197.9
crb			17.2	196.2
S			18.9	194.5
T.P.	1.37	201.90	12.89	200.53
		2+25		
S			9.8	192.1
crb			9.2	192.7
"q			8.5	193.4
M			8.0	193.9
"q			6.9	195.0
crb			5.9	196.0
N			3.6	198.3

	2019		
	2+50		
N		7.7	194.2
crb		8.5	193.4
1/4		8.5	193.4
M		8.6	193.3
1/4		8.8	193.1
crb		9.4	192.5
S		12.3	189.6
	2+75		
S		11.8	190.1
crb		9.4	192.5
1/4		8.7	193.2
M		8.5	193.4
1/4		7.8	194.1
crb		7.8	194.1
N		7.8	194.1

3+0 = W.L. Florida St. 80' wide

N		7.2	194.7
crb		7.3	194.6
1/4		7.7	194.2
M		7.8	194.1
1/4		8.1	193.8
crb		10.0	191.9
S		10.2	191.7
	W. curb		
S		9.9	192.0
crb		10.0	191.9
1/4		7.8	194.1
M		7.3	194.6
1/4		6.8	195.1
crb		6.9	195.0
N		7.0	194.9

201.90

W 1/4

N	6.5	195.4
crb	6.4	195.5
1/4	6.6	195.3
M	7.4	194.5
1/4	8.8	193.1
crb	9.9	192.0
S	9.3	192.6

Center

S	9.4	192.5
crb	9.1	192.8
1/4	8.5	193.4
M	7.1	194.8
1/4	7.2	194.7
crb	6.7	195.2
N	6.2	195.7

E 1/4

N	6.6	195.3
crb	6.7	195.2
1/4	7.2	194.7
M	8.0	193.9
1/4	9.0	192.9
crb	9.2	192.7
S	8.5	193.4

E. curb

S	6.0	195.9
+5	9.1	192.8
crb	9.2	192.7
1/4	8.5	193.4
M	8.6	193.3
1/4	6.8	195.1
crb	6.7	195.2
N	6.6	195.3

201.90

E.L. Florida St

N			6.4	195.5
Crb			6.9	195.0
114			8.4	193.5
M			8.5	193.4
114			8.8	193.1
Crb			8.6	193.3
+5			7.5	194.4
5			1.0	200.9
T.P.	12.07	212.93	1.04	200.86

0+25 E

5			6.4	206.5
Crb			8.0	204.9
114			18.0	194.9
M			18.6	194.3
114			18.2	194.7
Crb			17.1	195.8
N			19.9	193.0

0+50

N			16.8	196.1
Crb			15.7	197.2
114			12.5	200.4
M			9.2	203.7
114			5.2	207.7
Crb			2.5	210.4
5			1.8	211.1
T.P.	12.16	225.01	0.08	212.85

0+75

5			8.0	217.0
Crb			8.8	216.2
114			10.2	214.8
M			12.5	212.5
114			15.1	209.9
Crb			18.6	206.4
N			20.8	204.2

		225.01		
		1+0		
N			17.2	207.8
crb			13.9	211.1
1/4			9.2	215.8
M			5.7	219.3
1/4			3.5	221.5
crb			3.6	221.4
S			3.5	221.5
T.P.	11.86	236.68	0.19	224.82
		1+25		
S			8.5	227.9
crb			9.3	227.4
1/4			10.7	226.0
M			11.8	224.9
1/4			16.0	220.7
crb			20.7	216.0
N			25.9	210.8

		1+50		
N			19.7	217.0
crb			13.8	222.9
1/4			8.0	228.7
M			5.2	231.5
1/4			3.9	232.8
crb			2.9	233.8
S			2.4	234.3
T.P.	12.97	249.62	0.03	236.65
		1+75		
S			9.4	240.2
crb			9.6	240.0
1/4			10.4	239.2
M			11.8	237.8
1/4			13.9	235.7
crb			16.4	233.2
N			25.4	224.2

		249.62		
		2+0		
N			15.6	234.0
crb			11.4	238.2
"4			9.0	240.6
M			7.7	241.9
"9			6.8	242.8
crb			6.3	243.3
S			6.1	243.5
T.P.	10.15	257.90	1.87	247.75
		2+25		
S			11.2	246.7
crb			11.9	246.0
"4			12.6	245.3
M			13.8	244.1
"9			15.5	242.4
crb			16.8	241.1
N			16.2	241.7

		257.90		
		2+50		
N			12.6	245.3
crb			13.1	244.8
"4			13.5	244.4
M			11.8	246.1
"9			10.9	247.0
crb			9.5	248.4
S			9.0	248.9
		2+75		
S			7.4	250.5
crb			8.4	249.5
"4			9.4	248.5
M			10.4	247.5
"9			10.4	247.5
crb			10.3	247.6
N			10.2	247.7

251.90

340 = N.L. Alabama St

N	7.5	250.4
crb	7.6	250.3
114	8.0	249.9
M	8.2	249.7
114	7.9	250.0
crb	7.0	250.9
S	6.2	251.7

POSTED

x-section Third st N.L. "B" To S.L. "B" st
" 80' wide

11/11/09 Dunkle
Shaw

B.M. N.W. Third & "C" st 41.96 Dezeil

B.M. 6.59 48.55

N.L. "B" st

E. curb	3.1	45.45
gutter	3.8	44.75
1/4	3.2	45.35
+ 3.5 = 2' E. of E. rail	3.5	45.05
+ 5.5 = E. rail of E. track	3.7	
center	3.5	
+ 7.5 = W. rail of W. track	3.6	
+ 9.5 = 2' W. of W. rail	3.6	44.95
1/4	3.6	44.95
gutter	4.6	43.95
W. curb	4.1	44.45

POSTED

48.55

N. curb Line

W.L.	4.6	43.95
Curb Line	4.3	44.25
1/4	3.8	44.75
+ 3.5	3.7	44.85
+ 5.5	3.7	
M	3.7	
+ 7.5	3.7	
+ 9.5	3.7	44.85
1/4	3.6	44.95
Curb Line	3.6	44.95
E.L.	3.5	45.05

N 1/4

E.L.	3.5	45.05
Crb	3.6	44.95
1/4	3.7	44.85
+ 3.5	3.8	44.75
+ 5.5	3.9	
M	3.8	
+ 7.5	3.8	
+ 9.5	3.8	44.75
1/4	3.9	44.65
Crb	4.1	44.45
W.L.	4.2	44.35

48.55

N ¼ + 3.5 = 2' N of N. rail "B" st track.

W.L.	4.2
crb	4.0
¼	3.9
+ 3.5	3.8
+ 5.5	3.8
center	3.8
+ 7.5	3.9
+ 9.5	3.9
¼	3.8
crb	3.7
E.L.	3.4

N ¼ + 5.5 = N. rail "B" st. single track

E	3.4
crb	3.6
¼	3.8
M	3.9
¼	3.8
crb	3.9
W	4.0

48.55

Center "B" st

W	4.2	44.35
crb	4.1	44.45
¼	4.0	44.55
+ 3.5	4.0	44.55
+ 5.5	3.9	
M	3.9	
+ 7.5	3.9	
+ 9.5	3.9	44 65
¼	3.9	4465
crb	3.7	44 8 5
E.	3.5	4595

Center + 0.5 = 2' S of S. rail.

E	3.5
crb	3.7
¼	3.9
+ 3.5	3.9
+ 5.5	3.9
M	3.9
+ 7.5	3.9
+ 9.5	4.0
¼	4.0
crb	4.1
W	4.2

48.55

5 "4

W	4.5	44.05
crb	4.3	44.25
"4	4.0	44.55
+3.5	4.0	44.55
+5.5	4.0	
M	3.9	
+7.5	4.0	
+9.5	4.0	44.55
"4	4.0	44.55
crb	4.0	44.55
E	3.9	44.65

S. curb,

E. L.	4.4	44.15
crb. line	4.5	44.05
"4	4.2	44.35
+3.5	4.1	44.45
+5.5	4.1	
M	4.1	
+7.5	4.0	
+9.5	4.0	44.55
"4	4.2	44.35
crb. L.	4.6	43.95
W. L.	4.7	43.85

48.55

S. L. "B" St

W. crb	4.1	44.45
gutter	4.8	43.75
"4	4.3	44.25
+3.5	4.1	44.45
+5.5	4.1	
M	4.2	
+7.5	4.2	
+9.5	4.1	44.45
"4	4.2	44.35
gutter	4.7	43.85
E. curb	4.1	44.45

x-section Union st S.L."C" to N.L."D" 11/11/09 Dunkle
" " 43' between curbs. Shaw
B.M. brass Plg Front & "D" 29.34 Dezick

B.M.	2.45	31.79			
		S.L."C" st			
E Crb			2.8	29.0	
gutter			3.5	28.3	
1/4			3.2	28.6	
M		POSTED	3.5	28.3	
1/4			3.9	27.9	
gtr			4.3	27.5	
W. crb			3.8	28.0	
		0+25' S			
W. crb			4.0	27.8	
gtr			4.4	27.4	
1/4			4.0	27.8	
M			3.6	28.2	
1/4			3.6	28.2	
gtr			3.7	28.1	
E. crb			3.0	28.8	

Note- Curb & side walk in good condition

		31.79		
		0+50		
E crb			3.1	28.7
gtr			3.8	28.0
1/4			3.7	28.1
M			3.8	28.0
1/4			4.2	27.6
gtr			4.7	27.1
W. crb			4.1	27.7
		0+75		
W. crb			4.3	27.5
gtr			4.7	27.1
1/4			4.3	27.5
M			3.9	27.9
1/4			3.8	28.0
gtr			3.9	27.9
E. crb			3.2	28.6

	31.79		
	1+0		
E. crb.		3.4	28.4
gte		4.1	27.7
1/4		3.9	27.9
M		4.0	27.8
1/4		4.5	27.3
gte		4.9	26.9
W. crb		4.4	27.4
	1+25		
W. crb		4.5	27.3
gte		5.0	26.8
1/4		4.4	27.4
M		4.1	27.7
1/4		4.1	27.7
gte		4.1	27.7
E crb		3.5	28.3

	31.79		
	1+50		
E. crb		3.7	28.1
gte		4.3	27.5
1/4		4.1	27.7
M		4.3	27.5
1/4		4.6	27.2
gte		5.0	26.8
W. crb		4.7	27.1
	1+75		
W. crb		4.8	27.0
gte		5.1	26.7
1/4		4.8	27.0
M		4.4	27.4
1/4		4.3	27.5
gte		4.5	27.3
E crb		3.8	28.0

31.79

2+0

E. crb	3.9	27.9
gtr	4.4	27.4
"	4.3	27.5
"	4.4	27.4
"	4.8	27.0
gtr	5.0	26.8
W. crb	4.9	26.9

2+25

W. crb	5.0	26.8
gtr	5.3	26.5
"	4.8	27.0
"	4.7	27.1
"	4.5	27.3
gtr	4.9	26.9
E. crb	4.1	27.7

31.79

2+50

E. crb	4.2	27.6
gtr	4.7	27.1
"	4.7	27.1
"	4.8	27.0
"	5.0	26.8
gtr	5.4	26.4
W. crb	5.0	26.8

2+70.5 = W. L. "D" St

W. crb	5.2	26.6
gtr	5.6	26.2
"	5.2	26.6
"	4.9	26.9
"	4.8	27.0
gtr	5.0	26.8
E. crb	4.3	27.5

1-section Front st S.L."C" To N.L."D" st 11/12/09 Drinkle
" " 52' bet curbs, Shaw
B.M. brass plg Cor "D" & Front 29.34 Dizel

B.M.	7.02	36.36		

Note:- Sidewalk in bad condition on E. side from sta 2+0 To N.L. D st.
Curb not in at following stations on W. side account Trees, 0+0 = S.L."C" st. - from sta 0+13 To 0+19 - sta 0+27 To 0+34 - sta 0+57 to 0+64 - sta 0+72 to 79
curb not in from sta 0+87 to sta 0+98 account drive To Court House
4' block stone gutter W. side sta 0+80 To N.L."D" st.

S.L. "C" st.

E. curb			3.9	32.46
gutter			4.7	31.66
1/4			4.2	32.16
M			4.3	32.06
1/4			4.8	31.56
gutter			5.5	30.86
W. curb			4.9	31.46

POSTED

36.36

0+25 S of "C"

W. curb			5.0	31.36
gte			5.5	30.86
1/4			5.0	31.36
M			4.4	31.96
1/4			4.4	31.96
gte			4.8	31.56
E. curb			4.0	32.36

0+50

E. curb			4.2	32.16
gte			5.0	31.36
1/4			4.4	31.96
M			4.5	31.86
1/4			5.1	31.26
gte			5.7	30.66
W. curb			5.2	31.16

POSTED

	36.36		
	0+75		
No curb			
gte		5.8	30.56
"		5.1	31.26
M		4.7	31.66
"		4.6	31.76
gte		5.1	31.26
E. Crb		4.8	31.56
	1+0		
E. Crb		4.7	31.66
gte		5.3	31.06
"		4.9	31.46
M		4.9	31.46
"		5.4	30.96
gte		6.1	30.26
W. Crb		5.5	30.86

	36.36		
	1+25		
W. Crb		5.6	30.76
gte		6.2	30.16
"		5.5	30.86
M		5.1	31.26
"		5.1	31.26
gte		5.4	30.96
E. Crb		4.9	31.46
	1+50		
E. Crb		5.0	31.36
gte		5.6	30.76
"		5.2	31.16
M		5.3	31.06
"		5.7	30.66
gte		6.4	29.96
W. Crb		5.7	30.66

		36.36		
		1+75		
W. crb			5.9	30.46
gte			6.6	29.76
1/4			6.0	30.36
M			5.5	30.86
1/4			5.5	30.86
gte			5.8	30.56
E. crb			5.3	31.06
		2+0		
E. crb			5.4	30.96
gte			6.0	30.36
1/4			5.7	30.66
M			5.7	30.66
1/4			6.2	30.16
gte			6.6	29.76
W. crb			6.0	30.36

		36.36		
		2+25		
W. crb			6.1	30.26
gte			6.8	29.56
1/4			6.2	30.16
M			5.8	30.56
1/4			5.8	30.56
gte			6.1	30.26
E. crb			5.6	30.76
		2+50		
E. crb			5.8	30.56
gte			6.4	29.96
1/4			6.1	30.26
M			6.2	30.16
1/4			6.4	29.96
gte			6.9	29.46
W. crb			6.3	30.06

36.36

2170.5 = N.L. "D" St

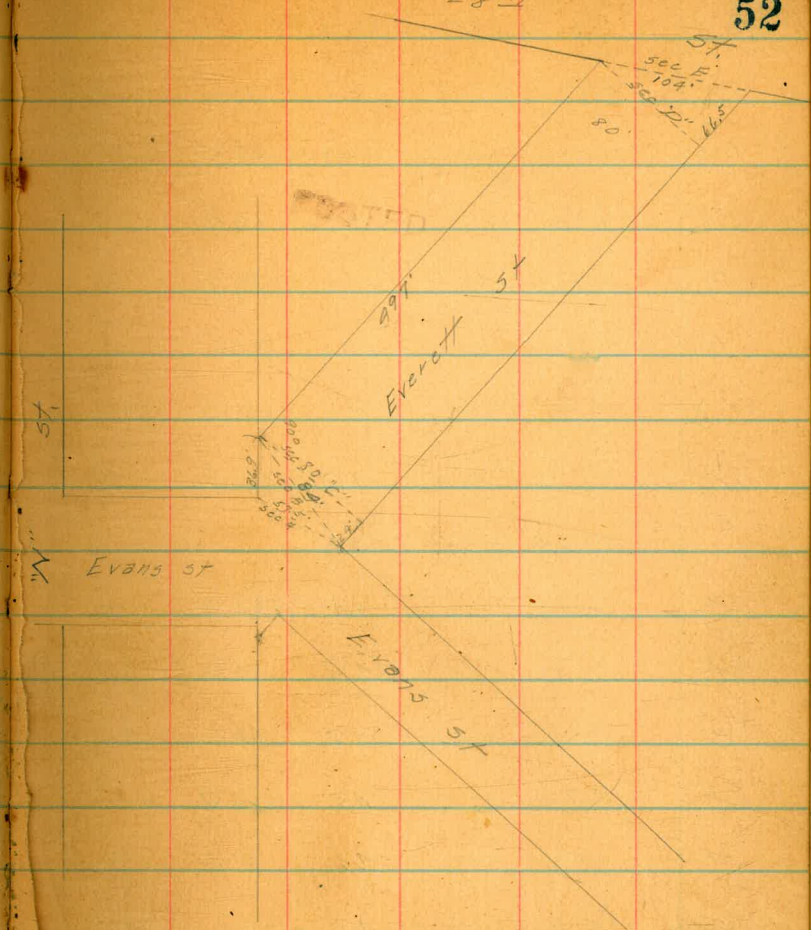
W. Crb			6.3	30.06
gtr			7.0	29.36
1/4			6.5	29.86
M			6.3	30.06
1/4			6.3	30.06
gtr			6.5	29.86
E. Crb			6.0	30.36

POSTED

1-section Everett St Evans to 28th St
" " 80' wide.

Dunkle
Spaine
Dezeil

B.M. R.R. SPK "M" & 27th St				65.69
B.M.	7.06	72.75		
		X-sec "A"		
S			5.5	67.3
crb			6.0	66.8
1/4			6.0	
M			6.3	66.5
1/4			6.1	66.7
crb			6.2	66.6
N			5.9	66.9
		X-sec "B"		
N			4.1	68.7
crb			4.9	67.9
1/4			5.1	67.7
M			5.6	67.2
1/4			5.7	67.1
crb			5.5	67.3
S			5.5	67.3



	Y-sec "C"		
S		5.1	67.7
Crb		4.8	68.0
1/4		4.9	67.9
M		4.9	67.9
1/4		5.0	67.8
Crb		4.6	68.2
N		4.1	68.7
	0+25' E of sec "C"		
N		4.4	68.4
Crb		4.2	68.6
1/4		4.5	68.3
M		4.5	68.3
1/4		4.6	68.2
Crb		4.7	68.1
S		4.7	68.1

	0+50		
S		4.1	68.7
Crb		4.5	68.3
1/4		4.2	68.6
M		3.8	69.0
1/4		4.1	68.7
Crb		4.2	68.6
N		4.1	68.7
	0+75		
N		3.6	69.2
Crb		3.7	69.1
1/4		3.7	69.1
M		3.5	69.3
1/4		3.8	69.0
Crb		4.1	68.7
S		4.0	68.8

		72.75		
		1+0		
S			3.4	69.4
Crb			3.7	69.1
1/4			3.5	69.3
M			3.1	69.7
1/4			3.4	69.4
Crb			3.7	69.1
N			3.3	69.5
		1+25		
N			3.7	69.1
Crb			3.7	69.1
1/4			3.3	69.5
M			3.3	69.5
1/4			3.4	69.4
Crb			3.3	69.5
S			3.0	69.8

		1+50		
S			2.9	69.9
Crb			3.2	69.6
1/4			3.2	69.6
M			3.3	69.5
1/4			2.9	69.9
Crb			3.0	69.8
N			3.8	69.0
		1+75		
N			3.3	69.5
Crb			2.3	70.5
1/4			2.9	69.9
M			3.3	69.5
1/4			3.2	69.6
Crb			2.9	69.9
S			2.9	69.9
T.P.	2.62	77.09	3.28	69.47

2+0

S	8.0	69.1
crb	7.7	69.6
1/4	7.7	69.6
M	7.5	69.6
1/4	8.1	69.0
crb	8.5	68.6
N	8.3	68.8

2+25

N	8.6	68.5
crb	8.5	68.6
1/4	8.4	68.7
M	8.2	68.9
1/4	8.0	69.1
crb	8.1	69.0
S	7.8	69.3

2+50

S	7.2	69.9
crb	7.7	69.6
1/4	7.8	69.3
M	6.7	70.4
1/4	5.6	71.5
crb	6.3	70.8
N	8.2	68.9

2+75

N	7.2	69.9
crb	7.2	69.9
1/4	6.9	70.2
M	6.9	70.2
1/4	7.2	69.9
crb	7.2	69.9
S	6.4	70.7

3+0

S	6.3	70.8
crb	6.9	70.2
1/4	7.1	70.0
M	6.9	70.2
1/4	7.3	69.8
crb	7.1	70.0
N	7.0	70.1

3+25

N	6.8	70.3
crb	7.0	70.1
1/4	6.5	70.6
M	6.0	71.1
1/4	6.4	70.7
crb	6.4	70.7
S	5.8	71.3

3+50

S	5.6	71.5
crb	6.2	70.9
1/4	6.4	70.7
M	6.0	71.1
1/4	6.0	71.1
crb	5.7	71.4
N	6.5	70.6

3+75

N	5.7	71.2
crb	5.2	71.9
1/4	5.7	71.4
M	5.8	71.3
1/4	6.0	71.1
crb	5.9	71.2
S	5.6	71.5

4+00

S	5.1	72.0
crb	5.3	71.8
"4	5.4	71.7
N	5.6	71.5
"4	4.7	72.4
crb	5.7	71.4
N	5.9	71.2

4+25

N	6.0	71.1
crb	5.7	71.4
"4	4.9	72.2
N	5.1	72.0
"4	5.1	72.0
crb	5.1	72.0
S	4.6	72.5

4+50

S	4.5	72.6
crb	5.0	72.1
"4	5.1	72.0
N	5.0	72.1
"4	5.1	72.0
crb	5.4	71.7
N	5.6	71.5

4+75

N	3.0	74.1
crb	4.3	72.8
"4	5.0	
N	4.9	72.2
"4	4.9	
crb	5.0	
S	4.5	72.6

77.09

4+97 = x-sec "D"

S		4.5	72.6
Crb		4.8	
1/4		4.9	
M		4.5	72.6
1/4		4.4	
Crb		4.9	
N		4.0	73.1

x-sec "E"

N		4.0	73.1
Crb		4.6	
1/4		4.0	
M		4.1	73.0
1/4		4.2	
Crb		4.2	
S		3.5	73.6

X sect. Bonair ave. South Lafolla 75.13 apr. 20/10 {Childs Barber Taylor

59

West line H.I. Lafolla Blvd.

T.P.	1.73	75.13		73.40
N. line			-0.3	75.4
			0.4	
			0.9	
C			1.0	74.1
			1.7	
			2.5	
So. line			3.9	71.2

right angles across from

(83.95 from N.W.) S.W. cor. of Bonair & Blvd.

So. line	3.9	71.2
	2.5	
	2.5	
C	2.1	73.0
	2.3	
	2.2	
N. line	2.1	73.0

100' west Blvd. on north side

N line	2.5	72.6
	2.4	
	2.6	
C	2.5	72.6
	2.8	
	2.9	
So. line	2.9	72.2

150' west.

So. line	4.7	70.4
	4.6	
	4.6	
C	4.0	71.1
	3.9	
	3.5	
N line	3.6	71.5

200' west

N. line	5.6	69.5
	5.9	
	6.3	
C	6.2	68.9
	6.8	
	6.7	
So line	6.3	68.8

250' west

So. line	7.5	67.6
	8.4	
	8.2	
C	7.6	67.5
	7.7	
	7.2	
N. line	7.0	68.1

300' west

N. line	7.9	67.7
	8.3	
	8.8	
C	8.8	66.3
	9.4	
	9.3	
So line	9.6	65.5

350' west

So. line	10.6	64.5
	10.1	
	10.1	
C	9.4	65.7
	9.2	
	8.6	
N. line	8.2	66.9

75.13

400' west

N. line	9.6	65.5
	9.7	
	10.0	
C	10.3	64.8
	10.8	
	10.4	
So line	11.1	64.0

450' west

	12	
So line	12.1	63.0
	11.2	
	12.0	
C	11.4	63.7
	11.8	
	11.4	
N. line	10.7	64.4

75.13

500' west

N. line	12.3	62.8
	12.6	
	12.7	
C	12.8	62.3
	13.2	
	12.4	
So line	13.0	62.1

650' west

		H.I.		
T.P.	0.57	62.79	12.91	62.22
So. line			1.5	61.3
			1.7	
			1.3	
C			1.7	61.1
			1.3	
			1.1	
N. line			1.0	61.8

62.79

600' west

N line	2.0	60.8
	2.3	
	2.5	
C	2.6	60.2
	2.5	
	2.6	
S line	2.9	59.9

650' west

S line	4.2	58.6
	3.5	
	3.4	
C	3.5	59.3
	3.3	
	3.6	
N line	3.4	59.4

62.79

700' west

N line	5.1	57.7
	5.2	
	5.3	
C	5.4	57.4
	5.7	
	5.6	
S line	5.6	57.2

750' west

S line	7.0	55.8
	6.6	
	7.6	
C	7.0	55.8
	6.8	
	6.7	
N line	6.7	56.1

800' west

η line	8.0	54.8
	8.2	
	8.0	
C	8.4	54.4
	8.5	
	8.5	
Ro line	8.6	54.2

850' west

Ro line	10.6	52.2
	10.6	
	10.6	
C	10.5	52.3
	10.6	
	10.2	
η line	10.2	52.6

900' west

η line	12.7	50.1
	12.6	
	12.8	
C	13.0	49.8
	13.2	
	13.1	
Ro line	13.3	49.5

925' west

		H.I.		
T.P.	0.27	50.36	12.70	50.09
Ro line			2.3	48.1
			2.7	
			2.8	
C			1.8	48.6
			1.5	
			1.1	
η line			1.8	48.6

50.36

950' west

No. line	3.9	46.5
	3.6	
	3.4	
C	3.4	47.0
	4.2	
	5.0	
So line	4.3	46.1

975' west

So line	6.1	44.3
	6.7	
	6.1	
C	5.4	45.0
	5.1	
	6.0	
N line	5.7	44.7

995' west

N line	9.3	41.1
	9.2	
	7.4	
C	7.2	43.2
	7.7	
	8.2	
So line	7.3	43.1

1000' west

So line	7.4	43.0
	8.3	
	8.5	
C	7.4	43.0
	7.8	
	9.7	
So line	8.2	42.2

1025' west.

N line	5.6	44.8
	7.6	
	8.1	
C	8.7	41.7
	11.6	
	11.7	
So line	8.9	41.5

1050' west

So line 5' no.	13.5	36.9
	14.6	
	12.8	
	10.1	
C	8.5	41.9
	7.7	
	6.9	
N line	5.7	44.7

1054' west

N line	5.5	44.9
	6.8	
	7.6	
C	8.0	42.4
	9.6	
	12.0	
	13.4	
06+7' So line	15.9	34.5

1075' west

So line	12.0	38.4
	10.9	
	9.4	
C	8.0	42.4
	7.4	
	6.9	
N line	6.1	44.3

11+00 west (east line alley)

N line	6.5	43.9
	7.8	
	8.2	
℄	8.5	41.9
	8.8	
	10.6	
So. line	11.3	39.1

11+15 west (west line alley)

So. line	10.9	39.5
	9.8	
	8.9	
℄	9.2	41.2
	9.0	
	8.3	
N line	7.0	43.4

11+25 west

N line	7.2	43.2
	8.8	
	9.2	
℄	9.4	41.0
	9.1	
	9.8	
So line	11.0	39.4

11+50 west

So line	H.I. 39.14	6.0	33.1
	H.I. 50.36	13.4	
cb+5"		11.7	
		11.7	
℄		11.7	38.7
		11.1	
		10.4	
N line		9.6	40.8

50,36

1175' west

N line			11.6	38.8
			12.3	
			13.1	
T.P.	1.18	39.14	12.40	37.96
C			2.7	36.4
			3.1	
			3.6	
So. line			4.6	34.5

1193' west

So. line			6.5	32.6
			6.0	
			4.9	
C			4.5	34.6
			2.9	
			2.3	
N line			1.5	37.6

39,14

1200' west

N line			1.9	37.2
			3.0	
			3.3	
C			5.5	33.6
			5.7	
			6.8	
Cb + 8'			7.1	
So line			9.0	30.1

1215' west

So. line			12.7	26.4
			8.0	
			6.8	
C			6.9	32.2
			6.7	
			6.0	
Cb + 7'			5.2	
N line			3.7	35.4

3914

1225' west

N. line	7.1	32.0	
	7.6		
	7.8		
C	7.9	31.2	
	8.0		
4+5'	8.4		
	11.8		
So. line	15.3	23.8	

1230' west

So. line	23.6	15.5	
	12.6		
C6+5'	8.8		
	8.6		
C	8.1	31.0	
	8.2		
	8.2		
N. line	7.8	31.3	

Neptune 60' wide

3914

1245' west (East line Neptune)

N. line	9.9	29.2	
	9.6		
	9.5		
C	10.1	29.0	
	10.9		
	13.3		
H.I. 26.90 So. line	6.7	20.2	

East C6

So. line	6.6	20.3	
	4.0		
39.14	11.9		
C	11.0	28.1	
	10.5		
	10.3		
N. line	10.3	28.8	

	39.14		
	East 1/4		
N line		10.9	28.2
		11.6	
		11.5	
C		11.7	27.4
		12.9	
1/4+5'		13.6	
	H.I. 26.90	4.3	
So line		11.5	15.4
	Center		
So line		10.3	16.6
		5.5	
Cb+5'	H.I. 39.14	14.5	
		14.3	
C		12.9	26.2
		13.0	
		12.3	
N. line		12.0	27.1

	H.I.		
J.R	0.58 26.90	12.82	26.32
	West 1/4.		
N line		1.0	25.9
		0.9	
		0.9	
C		1.3	25.6
		2.5	
1/4+6'		3.2	
		5.8	
So line		10.8	16.1
	West Cb.		
So line		11.5	15.4
		6.0	
		4.0	
C		2.6	24.3
		2.0	
		1.9	
N line		2.1	24.8

26,90

west line Neptune

N. line	3,5	23.4
	3,3	
	3.6	
C	4.0	22.9
	6,2	
	6,8	
C6 + 8	7.9	
So. line	10.1	16.8

25' west Neptune

So line	10.6	16.3
	11.1	
	13.7	
C	13.4	13.5
	11,5	
	10.4	
N line	8.8	18.1

26,90

28' west

N. line	9.3	17.6
	10.1	
	11.0	
C	14.3	12.6
	13.7	
	11.6	
So line	10.7	16.2

36' west

		H.I.		
J.P.	1.07	16.59	11.38	15.52
So line			1.0	15.6
			2.6	
			5.2	
C			6,0	10.6
			5.7	
			4.6	
N line			4.8	11.8

16.59

75

50' west

N. line	5.3	11.3
	6.6	
	7.1	
C	6.8	9.8
	6.6	
	5.8	
S. line	0.7	15.9

75' west

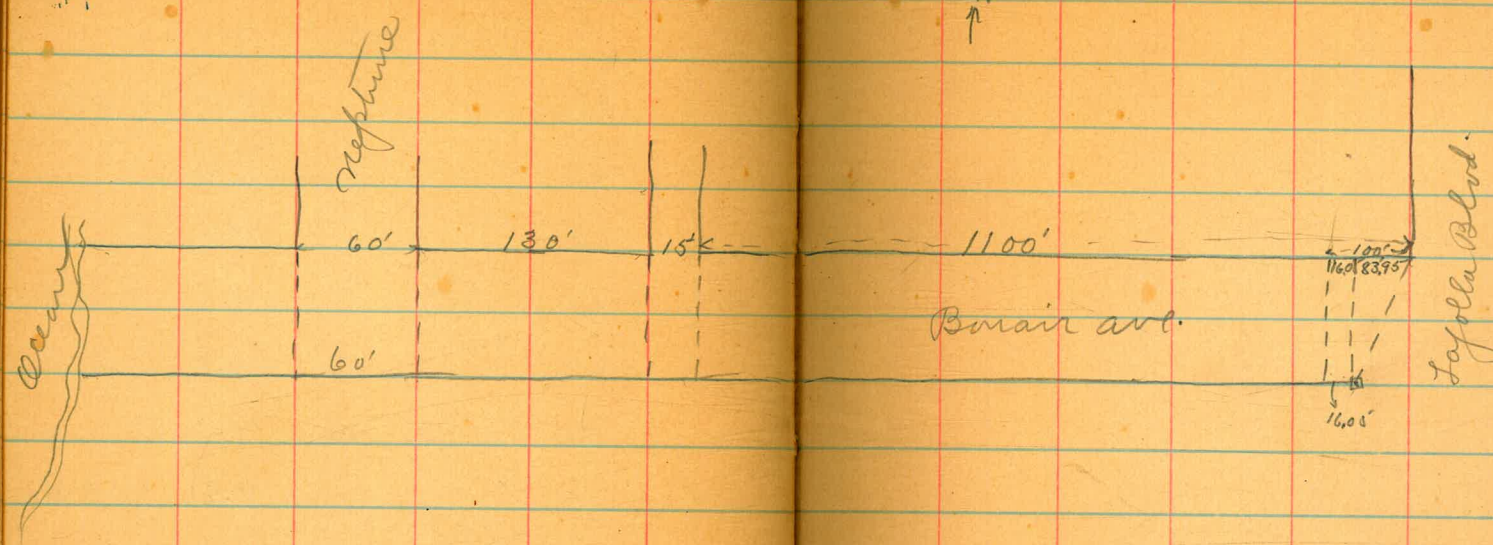
S. line	8.7	7.9
	9.0	
	9.2	
C	8.8	7.8
	8.5	
	7.7	
N. line	6.9	9.7

16.59

100' west.

	9.8	6.8
	10.2	
	10.6	
	10.4	6.2
	10.9	5.7
	10.1	
	9.3	7.3

See over for diagram


N
Neptune
Ocean
60'
130'
15'
1100'
60'
Bonair ave.
100'
116.0
83.95
16.05'
Lafolla Blvd.

Vacant

257.41 B.M. Shenandoah Alameda

				270.33	
B.M.	3.92	274.25			
T.P.	3.69	266.58	11.36	262.89	
T.P.	1.14	255.54	12.18	254.40	
T.P.	0.76	243.29	13.01	242.53	
T.P.	1.97	232.59	12.67	230.62	B.M. S end curb
T.P.			5.44	227.15	Arden Way
B.M.	1.91	272.24		270.33	
T.P.	2.54	262.40	12.38	259.86	
T.P.	0.33	250.39	12.34	250.06	
T.P.	0.71	238.22	12.88	237.51	
B.M.	4.55	274.88		270.33	
T.P.	0.98	263.16	12.70	262.18	
T.P.	1.30	252.33	12.13	251.03	
T.P.	1.65	241.25	12.73	239.60	
T.P.	2.58	232.57	11.26	229.99	
	5.26	262.67		257.41	
T.P.	3.97	254.82	11.82	250.85	B.M. W.L. Alameda
T.P.			3.97	250.85	N of curve

272.60	274.25	274.25			239.22	259.1	
	5.75				11.65		
	268.50	255.54	232.59		227.14		
	274.25	4.48	2.36				
	5.67	251.06	230.33		263.16		
274.25	262.58				10.15		
3.92	274.25	255.54		262.40	253.0	232.59	
	5.75	51.30		7.35	263.16	8.07	
270.33	268.50			255.02	11.26	224.50	
274.25	274.25	4.24					
5.57	5.97	243.29		262.40	251.90		
268.68	268.28	8.86		5.54	X X	262.67	
		234.43		256.86	252.33	3.29	
274.25	274.25				6.30	0+50 259.43	
7.06	6.97	243.29			246.03		
267.19	267.78	8.80		267.40		262.67	
		234.49		5.80	252.33	2.97	
	266.58 H.I.			256.60	6.60	0+85 259.70	
274.25	3.90	232.59			245.73		
5.95	262.68	3.22		262.40	252.33	262.67	
268.30	66.58	229.37		1.10	6.90	3.15	
	4.03			261.30	245.43	1+10 259.52	
274.25	62.48	232.59			252.33	262.67	
7.67	66.58	4.10		262.4	6.90	3.95	
266.58	4.37	228.49		3.8	245.43	1+18 258.72	
	62.21	232.59		258.6	252.33	262.67	
274.25	66.58	4.76		262.4	6.90	7.79	
11.31	4.97	227.83		3.3	245.43	258.88	
262.90	61.59	232.59		259.1	252.33	262.67	
		5.44			6.60	7.28	
274.25	66.58	227.15		274.88	245.73	1+84 255.39	
9.41	5.86	262.4		4.46	252.33	262.67	
264.80	60.72	5.0		270.42	6.30	9.44	
	66.58	257.42		274.88	246.03	4+18 253.23	
274.25	6.82	262.40		5.00	252.33		
8.96	59.76	4.99		269.88	10.21	262.67	
270.29	X X	257.41			241.6	10.90	
274.25	66.58				252.33	251.70	
4.22	6.58	238.22			10.07	262.67	
270.03	64.81	4.28			242.26	10.97	
	66.58	233.94			252.33	251.70	
274.25	2.07				9.51	262.67	
4.32	64.27				242.8	11.37	
269.93	66.58	238.22	238.22		252.33	251.30	
274.25	2.91	8.72	9.44		9.01		
4.68	63.67	229.50	229.18		243.3		
269.57	66.58	238.22			252.33		
274.25	3.55	10.72			8.71		
5.64	63.03	227.50			243.6		
268.61	66.58	238.22			252.33		
	4.45	10.42			8.41		
	62.13	227.80			243.9		
	66.58	238.22			252.33		
	5.12	8.60			8.30		
	61.46	229.60			244.0		

B.M. Sunset & Ingleside Mon 282.90

B.M.	2.87	285.77			
T.P.	2.29	275.50	12.56	273.21	
T.P.	7.56	274.52	8.54	266.96	
T.P			4.19	270.33	B.M 33.8
B.M.	1.66	252.51		250.85	
T.P.	1.79	241.63	12.67	239.84	
T.P.	0.89	230.27	12.25	229.38	
	12.22	275.11		262.89	

	262.67		254.82 5.02 249.8	4+0	252.51 1.87 250.64	275.11 5.81 269.3
			254.82 4.98 249.8		252.51 2.56 249.95	275.11 5.11 270.0
0+50	262.67 4.96 257.71			0+50		~~275.11~~
			254.82 5.06 249.76	5+15	252.51 3.40 249.11	275.11 4.51 270.6
0+85	262.67 4.96 257.71					
			254.82 5.36 249.46	6+0	252.51 6.54 245.97	275.11 4.11 271.0
	262.67 5.48 257.19		254.82 5.56 249.26	6+50	252.51 8.37 244.14	275.11 3.91 271.2
1+18		1+30 262.67 5.68 256.99	254.82			
	262.67 5.96 256.71	254.82 4.62 250.20	254.82	7+0	252.51 10.55 241.96	275.11 3.81 271.3
1+44			254.82			
	262.67 6.10 256.57	254.82 5.31 249.51	254.82 5.78 249.04	7+21	252.51 10.94 141.57	275.11 3.81 271.3
1+50						275.11 0.71 274.4
		254.82 6.80 248.0	254.82 5.94 248.88		252.51 9.13 243.38	275.11 1.41 273.7
	262.67 8.34 254.33					
2+37		254.82 6.12 248.7	254.82 6.25 248.57		252.51 9.38 243.13	275.11 1.41 273.2
	262.67 11.37 251.28	254.82 6.04 248.8	254.82 7.16 247.66		241.63 9.02 237.61	275.11 2.41 272.7
3+53		254.82 6.04 248.8	254.82 8.35 246.47		230.27 11.37 218.9	
	262.67 11.67 251.00	254.82 6.44 248.38	254.82 8.77 246.05			275.11 2.61 272.5
3+68		254.82 7.49 247.33			230.27 11.10 219.17	275.11 2.61 272.5
	262.67 11.82 250.85	254.82 8.01 246.8				275.11 2.61 272.5
3+82						

253.6 298.17

#400

B.M. 304.25
2.18
306.43
12.66
B.M. 293.77 stone
2.33
T.P. 296.10
273.50
T.P. 22.60
11.00
T.P.

296.10
12.60
283.50
0.62
284.12
12.51
271.61
0.75
272.36
253.60
18.76

65.69
7.06
72.75
3.28
69.47
7.62
77.09

26.5
14.4
40.5

B.M. 296.10
287.00
9.10

30.5
27.0
3.5

T.P.

T.P.

30.5
~~+ 16.5~~ = 2' N of W
+ 32.5 = N. Tail
0 + 0.5 = 2' S of St

72.04
5.06
77.10

4,97

274.52
6.22
268.30

274.52
5.99
268.53

274.52
4.74
269.78

274.52
4.19
270.33

274.52
5.82
268.70

274.52
4.04
270.48

274.52
1.92
272.60

104
104
416
104
10816

298.52
2.16
300.68
12.96 T.P.
287.72
1.04
288.76
12.72
276.04
0.31
276.35
12.53
263.82
4.08
267.90 H.I.
253.40
14.50

267.90
264.00
3.90

264.00
2.48
261.52

256.63

3.90
2.48
6.38
4.68
1.70

253.40
3.23
256.63

267.90
261.52
6.38

267.90
256.63
11.27

66.5
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3325
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3990
432225
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10722

264.00
253.40
187) 10.60 ⌊ 5.67
935
1250
1122
1280

85
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425
680
7225

6978

51.17
53.77
54.26
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84.97
39.69
337.25

5.67
4.38
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1701
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2835
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85
27
27
189
59
729
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729

267.90
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293.3
264.9
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2.3

3.1416
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80
6400
576
6976 ⌊ 8
64
163) 576
427

24
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48
576

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262

267.90
10.29
257.61
3.99
261.60
253.40
8.20
7.

26
26
156
52
676
64.00
7076 ⌊ 8
64
16) 676

85
85
425
680
7225

25
25
125
50
6.25

6400
7.84
7184

28
28
224
56
784

29
29
261
58
841

64.00
8.41
7241

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.		