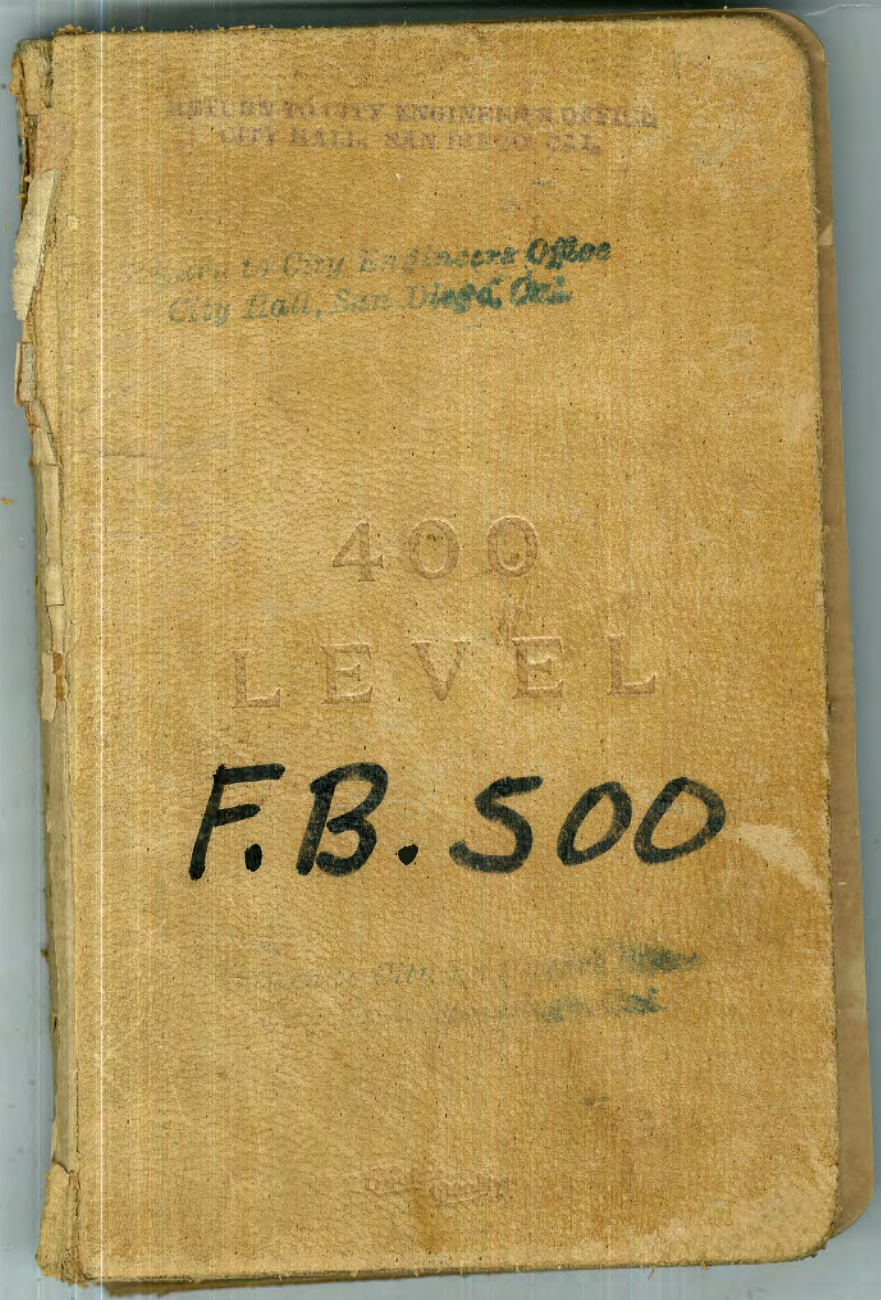


RETURN TO CITY ENGINEER'S OFFICE
CITY HALL, SAN DIEGO, CAL.

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

400
LEVEL

F.B. 500

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

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	135½
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

MICROFILMED DEC 1 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

Crocker Quality

LEVEL BOOK

No. 400

COMMUNI CONSENSUS TRADE MARK PRIMO

MANUFACTURED BY

A. S. Crocker Co.

SAN FRANCISCO
and
SACRAMENTO

v-section Gotti st W.L. Goldfinch to W.L. Ibis 10/20/09 Dunkle
" 50' wide Shaw
B.M. brass plg Washington & Hawk. 263.03 Dezel 1

B.M.	10.39	273.42			
		W.L. Goldfinch			
S			4.6	POSTED	268.8
Crb			4.3		269.1
1/4			4.7		268.7
M			3.5		269.9
1/4			4.0		269.4
Crb			4.4		269.0
N			4.2		269.2
		0+25' W. of Goldfinch			
N			4.2		269.2
Crb			4.2		269.2
1/4			4.4		269.0
M			4.1		269.3
1/4			4.1		269.3
Crb			4.4		269.0
S			4.3		269.1

0+50			
S		4.2	269.2
crk		4.2	269.2
"9		3.0	270.4
M		2.3	271.1
"9		2.8	270.6
crk		3.8	269.6
N		4.3	269.1
0+75			
N		3.7	269.7
crk		3.4	270.0
"9		2.3	270.6
M		2.5	2709
"9		2.7	270.5
crk		3.7	269.7
S		4.0	269.4

1+0			
S		3.9	269.5
crk		3.4	270.0
"9		2.9	270.5
M		2.5	270.9
"9		3.3	270.1
crk		3.4	270.0
N		3.5	269.9
1+25			
N		2.4	271.0
crk		2.9	270.5
"9		3.2	270.2
M		3.0	270.4
"9		3.6	269.8
crk		3.9	269.5
S		3.6	269.8

	273.42		
	1+50		
S		3.6	269.8
Crb		3.7	269.7
¼		3.3	270.1
M		2.9	270.5
½		3.2	270.2
Crb		3.2	270.2
N		3.2	270.2
	1+75		
N		2.4	271.0
Crb		3.4	270.0
¼		3.5	269.9
M		3.4	270.0
½		4.1	269.3
Crb		4.0	269.4
S		3.9	269.5

2+0 = E. L. Hawk St Graded

S	4.2	269.2
Crb	4.4	269.0
½	4.1	269.3
M	3.8	269.6
½	4.0	269.4
Crb	3.8	269.6
N	3.1	270.3
W. L. Hawk St		
N	4.6	268.8
Crb	4.9	268.5
¼	5.1	268.3
M	4.8	268.6
¼	5.3	268.1
Crb	5.0	268.4
S	5.0	268.4

273.42

0+25 Mayhawk

S	5.4	268.0
Crk	5.3	268.1
"/"	5.0	268.4
M	4.6	268.8
"/"	5.0	268.4
Crk	5.0	268.4
N	4.5	268.9

0+50

N	4.9	268.5
Crk	5.1	268.3
"/"	5.0	268.4
M	4.9	268.5
"/"	5.1	268.3
Crk	5.5	267.9
S	5.6	267.8

0+75

S	5.3	268.1
Crk	5.5	267.9
"/"	5.2	268.2
M	5.1	268.3
"/"	5.0	268.4
Crk	5.0	268.4
N	4.9	268.5

1+0

N	4.8	268.6
Crk	4.8	268.6
"/"	4.9	268.5
M	4.5	268.9
"/"	4.8	268.6
Crk	5.3	268.1
S	5.4	268.0

273.42

1+25

S		4.7	269.7
Crb		4.7	268.7
"g		3.7	269.7
M		3.4	270.0
"g		3.7	269.7
Crb		4.4	269.0
N		4.5	268.9

1+50

N		2.8	270.6
Crb		3.4	270.0
"g		4.2	269.2
M		4.2	269.2
"g		4.3	269.1
Crb		4.6	268.8
S		4.6	268.8

1+75

S		3.2	270.2
Crb		3.3	270.1
"g		3.8	269.6
M		3.9	269.5
"g		4.1	269.3
Crb		3.6	269.8
N		2.9	270.5

270 = E.L. Tb is at 80' wide

N		3.5	269.9
Crb		3.5	269.9
"g		3.8	269.6
M		3.7	269.7
"g		3.7	269.7
Crb		3.8	269.6
S		4.0	269.4

273.42

E. curb			Center		
S	3.8	269.6	S	3.3	270.1
crb	3.5	269.9	crb	3.5	269.9
1/4	3.4	270.0	1/4	2.9	270.5
M	3.2	270.2	M	2.3	271.1
1/4	3.6	269.8	1/4	2.4	271.0
crb	3.5	269.9	crb	2.4	271.0
N	3.4	270.0	N	2.9	270.5
E 1/4			W 1/4		
N	3.3	270.1	N	2.7	270.7
crb	3.1	270.3	crb	2.4	271.0
1/4	3.1	270.3	1/4	2.9	270.5
M	2.5	270.9	M	2.7	270.7
1/4	3.1	270.3	1/4	2.8	270.6
crb	3.4	269.8	crb	3.0	270.4
S	3.5	269.9	S	3.1	270.3

273.42

W. Cork

S	3.1	270.3
Crk	3.1	270.3
1/4	2.9	270.5
M	2.8	270.6
1/4	2.9	270.5
Crk	2.8	270.6
N	2.1	271.3

W. L. Ibis 5ft

N	1.8	271.6
Crk	2.4	271.0
1/4	2.7	270.7
M	2.8	270.6
1/4	2.7	270.7
Crk	2.8	270.6
S	2.9	270.5

POSTED

* section Eagle st Douglass to Broadway 10/20/09 Dunkle Shaw Dyer

B.M. brass plg N.E. Eagle & Washington 263.05

B.M.	2.19	265.24		
		N.L. Douglass st		
W			4.7	260.5
crb			5.3	259.9
gtr			6.1	259.1
+5			6.1	259.1
M			6.1	259.1
+1			5.3	259.9
+21			5.7	259.5
crb			5.8	259.4
E			6.2	259.0
		0+25 N. of Douglass		
−15			14.2	251.0
E			9.3	255.9
crb			5.9	259.3
+5			5.4	259.8
+25			5.1	260.1
M			5.9	259.3
+21			5.9	259.3
gtr			5.7	259.5
crb			5.2	260.0
W			5.0	260.2

POSTED

Note - Quarters not taken. Per instructions from office, readings taken 5' in from curb.

		0+50		
W			4.7	260.5
crb			5.0	260.2
gtr			5.7	259.5
+5			5.8	259.4
M			5.7	259.5
+21			8.4	256.8
crb			8.8	256.4
E			13.1	252.1
+25			20.5	244.7
		0+75		
−15			21.5	243.7
−30			26.3	238.9
E			18.2	247.0
crb			14.9	250.3
+5			13.0	252.2
+16			9.9	255.3
+24			5.5	259.7
M			5.4	259.8
+21			5.6	259.6
gtr			5.5	259.7
crb			5.0	260.2
W			4.5	260.7

POSTED

	265.24		
	1+00		
W	4.5	260.7	
crk	4.7	260.5	
gte	5.4	259.8	
+5	5.5	259.7	
M	5.1	260.1	
+2	5.2	260.0	
+16	14.9	250.3	
+21	17.1	248.1	
crk	18.8	246.4	
E	22.4	242.8	
+20	30.0	235.2	
+35	27.1	238.1	
	1+25		
−20	23.0	242.2	
E	26.3	238.9	
+9	26.1	239.1	
crk	21.5	243.7	
+5	18.0	247.2	
+25	4.9	260.3	
M	4.8	260.4	
+21	5.3	259.9	
gte	5.1	260.1	
crk	4.4	260.8	
M	4.2	261.0	

	1+50		
W	4.0	261.2	
crk	4.2	261.0	
gte	5.1	260.1	
+5	5.2	260.0	
M	4.8	260.4	
+1	4.9	260.3	
+21	17.3	247.9	
crk	18.7	246.5	
E	18.4	246.8	
+20	17.0	248.2	
	1+75		
−20	10.1	255.1	
E	11.5	254.7	
crk	12.1	253.1	
+5	11.7	253.5	
+14	11.7	253.5	
+29	4.5	260.7	
M	4.5	260.7	
+21	4.8	260.4	
gte	4.9	260.3	
crk	4.1	260.1	
W	3.8	260.4	

265.24

1+90

W	3.6	261.6
crk	4.0	261.2
gtr	4.9	260.3
+5	4.8	260.4
M	4.1	261.1
+10	6.5	258.7
+21	5.1	260.1
crk	5.3	259.9
E	6.4	258.8

2+00

E	4.6	260.6
crk	5.1	260.1
+5	5.2	260.0
+16	5.2	260.0
M	4.1	261.1
+21	4.7	260.5
gtr	4.7	260.5
crk	3.9	261.3
W	3.7	261.5

2+25

W	3.5	261.7
crk	3.8	261.4
gtr	4.4	260.8
+5	4.5	260.7
M	3.8	261.4
+21	4.2	261.0
+24	4.8	260.4
crk	4.1	261.1
E	3.8	261.4

2+50

E	2.5	262.7
crk	3.0	262.2
+2	4.3	260.9
+5	3.7	262.0
M	3.6	261.6
+21	4.4	260.8
gtr	4.4	260.8
crk	3.5	261.7
W	3.3	261.9

265.29

2+74½ = S.L. Washington Graded

W			3.0	262.2
crk			3.3	261.9
gtr			4.2	261.0
+5			4.1	261.1
M			3.3	261.9
+21			3.4	261.8
+24			4.1	261.1
crk			2.6	262.6
E			0.8	264.4
T.P.	2.01	270.06	2.19	263.05

N.L. Washington St

E			5.5	264.6
+10			5.8	264.3
crk			6.6	263.5
+5			6.4	263.7
M			5.6	264.5
+21			5.9	264.7
crk			5.1	265.0
W			4.5	265.6

0+25N. of Washington

W			3.4	266.7
+6			3.5	266.6
+7			4.2	265.9
crk			4.4	265.7
+5			4.5	265.6
M			4.5	265.6
+21			5.5	264.6
+25			5.3	264.8
crk			4.9	265.2
E			5.3	264.8

0+50

E			4.4	265.7
crk			4.4	265.7
+5			5.3	264.8
M			4.7	265.4
+21			4.3	265.8
crk			4.0	266.1
+6			3.7	266.4
+7			3.2	266.9
W			2.8	267.2

	270.06		
	0+75		
W		3.0	267.1
+8		3.6	266.5
+9		4.1	266.0
crk		4.2	265.9
+5		4.6	265.5
M		4.9	265.2
+21		5.1	265.0
+23		4.5	265.6
crk		4.6	265.5
E		4.6	265.5
	1+0		
E		5.5	264.6
crk		5.3	264.8
+5		5.5	264.8
M		5.2	264.9
+21		5.3	264.8
crk		5.2	264.9
+5		4.7	265.4
+6		4.0	266.1
W		3.2	266.9

	1+25		
W		3.6	266.5
+7		4.3	265.8
+8		4.8	265.3
crk		5.1	265.0
+5		5.0	265.1
M		5.3	264.8
+21		6.3	263.8
crk		6.0	264.1
E		6.1	264.0
E	1+50		
		7.1	263.0
crk		6.6	263.5
+5		6.9	263.2
M		5.9	264.2
+21		5.0	265.1
crk		4.7	265.4
+5		4.2	265.9
+6		3.5	266.6
W		3.4	266.7

270.06

1+75

W	3.6	266.5
+8	4.0	266.1
+9	4.8	265.3
Crk	5.2	264.9
+5	5.7	264.4
M	6.3	263.8
+21	6.9	263.2
Crk	7.2	262.9
E	8.3	261.8

2+00

E	9.5	261.6
Crk	6.7	263.5
+5	7.3	262.8
M	6.9	263.7
+21	5.8	264.3
Crk	5.4	264.7
+6	5.2	264.9
+7	4.6	265.5
W	3.8	266.3

2+25

W	4.3	265.8
Crk	5.8	2643
+5	6.1	2640
M	6.4	263.7
+21	7.3	262.8
Crk	6.9	263.2
E	9.5	261.6

2+50

E	4.4	262.7
Crk	6.8	263.3
+3	6.9	263.7
+4	7.0	263.1
+5	7.0	263.1
M	6.1	2640
+21	6.0	264.1
Crk	5.8	264.3
+8	5.4	264.7
+9	4.7	265.4
W	4.3	265.8

270.06

2+75

W	4.0	266.0
+4	4.2	255.9
+6	5.1	265.0
Crk	5.3	264.8
+5	5.3	264.8
M	5.7	264.4
+21	6.6	263.5
+22	5.8	264.3
Crk	6.0	264.1
E	6.4	263.7

3+00 = S.L. Gett. 50' wide

E	5.6	264.5
Crk	5.2	264.9
+3	5.1	265.0
+4	5.8	264.3
+5	5.8	264.3
M	5.3	264.8
+21	5.1	265.0
Crk	4.8	265.3
W	4.1	266.0

3. Crk

W	4.0	266.1
Crk	4.9	265.2
+5	~~4.8~~	265.3
M	5.2	264.9
+21	5.5	264.6
+23	4.6	265.5
Crk	4.8	265.3
E	4.9	265.2

5 1/4

E	4.6	265.5
Crk	4.6	265.5
+3	4.6	265.5
+5	5.3	264.8
M	5.0	265.1
+21	4.8	265.3
Crk	4.8	265.3
W	3.8	266.3

270.06

Center

W	3.7	266.4
Crk	4.6	265.5
+5	4.7	265.4
M	4.9	265.2
+21	5.1	265.0
+22	4.8	265.6
Crk	4.4	265.7
E	4.5	265.6

N 1/4

E	4.4	265.7
Crk	4.3	265.8
+3	4.2	265.9
+5	5.1	265.0
M	4.8	265.3
+21	4.7	265.4
Crk	4.4	265.7
W	3.4	266.7

N Crk

W	3.2	266.9
Crk	4.2	265.9
+5	4.7	265.4
M	4.6	265.5
+21	4.8	265.3
+23	4.1	266.0
Crk	3.9	266.2
E	4.1	266.0

N.L. Getti

E	3.7	266.4
Crk	3.7	266.4
+4	3.9	266.2
+5	4.5	265.6
M	4.4	265.7
+21	4.6	265.5
Crk	4.3	265.8
W	3.2	266.9

270.06

0+25 N of Gatti St

W		2.7	267.4
Crb		4.0	266.1
+5		3.8	266.3
M		3.6	266.5
+21		3.4	266.7
+23		2.7	267.4
Crb		3.0	267.1
E		3.1	267.0

0+50

E		2.3	267.8
Crb		2.2	267.9
+3		2.2	267.9
+5		3.0	267.1
M		2.9	267.2
+21		3.4	266.7
Crb		3.3	266.8
W		2.0	268.1

0+75

W		1.9	268.2
+2		2.2	267.9
+3		2.8	267.3
Crb		2.9	267.2
+5		2.9	267.2
M		2.4	267.7
+21		2.8	267.3
+23		2.5	267.6
+25		1.8	268.3
Crb		1.9	268.2
E		2.2	267.9

1+0

E		1.4	268.7
Crb		1.6	268.5
+5		2.4	267.7
M		2.2	267.9
+21		2.3	267.8
Crb		2.2	267.9
+9		2.3	267.8
+10		1.7	268.4
W		1.5	268.6
T.P	2.74	275.75	2.05	268.01

275.75

1+25

W	6.8	269.0
+4	6.9	268.9
+5	7.6	268.2
Crk	7.6	268.2
+5	7.7	268.1
M	7.1	268.7
+21	7.5	268.3
Crk	6.7	269.1
E	7.0	268.8

1+50

E	6.7	269.1
Crk	6.4	269.4
+5	7.0	268.8
M	6.5	269.3
+21	7.0	268.8
Crk	7.0	268.8
+9	7.2	268.6
+10	6.5	269.3
W	6.5	269.3

1+75

W	6.1	269.7
+3	6.2	269.6
+4	6.6	269.2
Crk	6.5	269.3
+5	6.3	269.5
M	5.7	270.1
+21	6.7	269.1
Crk	6.5	269.3
+1	6.0	269.8
E	6.2	269.6

2+0

E	6.1	269.7
+13	5.7	270.1
Crk	6.3	269.5
+5	6.4	269.4
M	5.7	270.1
+21	5.9	269.9
Crk	5.7	270.1
+9	5.8	270.0
+10	5.0	270.8
W	5.5	270.3

275.75

2+25

W	5.7	270.1
+5	5.7	270.1
+6	6.2	269.6
Crk	5.8	270.0
+5	5.7	270.1
M	5.9	269.9
+21	6.3	269.5
+24	6.1	269.7
+25	5.5	270.3
Crk	5.5	270.3
E	6.2	269.6

2+50

E	6.0	269.8
Crk	5.6	270.2
+1	5.4	270.4
+2	6.2	269.6
+5	6.3	269.5
M	5.9	269.9
+21	5.4	270.4
Crk	5.6	270.2
+6	5.7	270.1
+7	5.2	270.6
W	5.0	270.8

2+75

W	5.0	270.8
+10	4.9	270.9
+11	5.3	270.5
Crk	5.3	270.5
+5	5.4	270.4
M	6.0	269.8
+21	6.5	269.3
+24	6.5	269.3
+25	5.9	269.9
Crk	5.9	269.9
E	6.3	269.5

3+06 = 5.6 Lewis St 50' wide

E	6.3	269.5
Crk	5.8	270.0
+2	6.8	269.0
+5	6.9	268.9
M	6.0	269.8
+21	5.3	270.5
Crk	5.3	270.5
+2	5.3	270.5
+3	4.8	271.0
W	5.0	270.8

T.P.	3.65	274.45	4.95	270.80

45		274.45			10/21/09 Dunkle Shaw Dryer					
		S. curb						center		
W			3.3	271.2		W			3.2	271.3
+12			3.5	271.0		+13			3.5	271.0
+13			4.0	270.5		crb			4.1	270.4
crb			4.0	270.5		+5			4.1	270.4
+5			4.0	270.5		M			4.9	269.6
M			4.8	269.7		+21			5.8	268.7
+21			5.7	268.8		+24			5.8	268.7
crb			5.3	269.2		crb			5.0	269.5
+1			4.6	269.9		E			5.5	269.0
E			5.3	269.2						
		S 1/4						N 1/4		
E			5.5	269.0		E			5.3	269.2
+13			4.8	269.7		crb			4.8	269.7
crb			5.5	269.0		+2			6.0	268.5
+2			6.0	268.5						
+5			5.7	268.8		+5			6.0	268.5
M			4.8	269.7		M			5.1	269.4
+21			4.0	270.5		+21			4.1	270.4
crb			4.0	270.5		crb			4.1	270.4
+1			3.5	271.0		+1			3.5	271.0
W			3.3	271.2		W			3.0	271.5

POSTED

374.45

N. Curb

W	3.2	271.3
+13	3.6	270.9
Crb	4.2	270.3
+5	4.1	270.4
M	5.4	269.1
+21	6.1	268.4
+24	6.0	268.5
Crb	4.9	269.6
E	5.1	269.4

N.L. Lewis St

E	5.6	268.9
Crb	5.1	269.4
+2	6.0	268.5
+5	6.3	268.2
M	5.7	268.8
+21	4.2	270.3
Crb	4.1	270.4
+1	3.5	271.0
W	3.2	271.3

0+25 N of Lewis

W	3.7	270.8
+13	3.9	270.6
Crb	4.5	270.0
+5	4.5	270.0
M	5.9	268.6
+21	6.6	267.9
+24	6.6	267.9
Crb	5.5	269.0
E	6.0	268.5

0+50

E	6.3	268.2
Crb	6.2	268.3
+2	6.8	267.7
+5	6.7	267.8
M	6.0	268.5
+21	5.2	269.3
Crb	4.9	269.6
+3	4.8	269.7
+4	4.1	270.4
W	4.0	270.5

374.45

0+75

W	4.1	270.4
+ 8	4.6	269.9
+ 9	5.4	269.1
crk	5.5	269.0
+ 5	5.8	268.7
M	6.1	268.4
+ 21	7.0	267.5
crk	6.8	267.7
E	7.1	267.4

1+00

E	8.4	266.1
crk	7.6	266.9
+ 5	7.3	267.2
M	6.2	268.3
+ 21	5.9	268.6
crk	5.8	268.7
+ 6	5.7	268.8
+ 7	4.9	269.6
W	4.6	269.9

1+25

W	4.5	270.0
+	4.9	269.6
+	5.9	268.6
crk	5.7	268.8
+ 5	6.0	269.5
M	6.5	268.0
+ 21	7.8	266.7
crk	8.1	268.4
E	9.0	265.5

1+50

E	8.8	265.7
crk	8.3	266.2
+ 5	7.9	266.6
M	6.3	268.2
+ 21	5.9	268.6
crk	5.7	268.8
+ 8	5.9	268.6
+ 9	5.0	269.5
W	4.9	269.6

37445

1+75

W	4.9	269.6
+ 6	5.1	269.4
+ 7	5.7	268.8
crk	5.4	269.1
+5	5.5	269.0
M	6.2	268.3
+21	7.7	266.8
crk	8.1	266.4
E	9.1	265.4

2+00

E	8.6	265.9
crk	7.8	266.7
+5	7.4	267.1
M	5.9	268.6
+21	5.2	269.3
crk	4.8	269.7
W	4.9	269.6

2+25

W	5.3	269.2
crk	5.3	269.2
+5	5.4	269.1
M	6.0	268.5
+21	7.0	267.5
crk	7.3	267.2
E	8.2	266.3

2+50

E	8.4	266.1
crk	7.8	266.7
+5	7.4	267.1
M	6.4	268.1
+21	6.2	268.3
crk	6.3	268.2
W	6.4	268.1

374.45
2+75

W		8.3	266.2
Crb		8.0	266.5
+5		7.9	266.6
M		8.3	266.2
+21		8.8	265.7
Crb		8.8	265.7
E		9.2	265.3
3+00 16 = S.L. Broadway			
E		15.0	259.5
Crb		13.2	261.3
+5	POSTED	12.9	261.6
M		11.7	262.8
+21		10.5	264.0
Crb		10.4	264.1
W		10.9	263.6

X-section 15th St from "D" to "E"
" 80' wide

10/22/09 Drinkle Shaw

B.M. brass plg 14th & "D" 57.47 Degiel

B.M. 5.03 62.50

S.L. "D" St

POSTED

W	1.5	61.0
crb	3.6	58.9
+1	7.4	55.1
1/4	6.0	56.5
M	5.9	56.6
1/4	6.0	56.5
crb	5.3	57.2
E	5.7	56.8

0+25 S. of "D"

E	7.3	55.2
+8	6.2	56.3
crb	6.1	56.4
1/4	6.3	56.2
M	6.3	56.2
1/4	6.8	55.7
crb	7.5	55.0
+1	3.9	58.6
W	1.4	61.1

0+50

W	2.0	60.5
+13	5.0	57.5
crb	8.2	64.3
1/4	7.3	65.2
M	6.7	66.8
1/4	6.3	66.2
+4	6.3	66.2
crb	9.7	52.8
E	15.1	47.4
+20	19.6	42.9
+40	19.7	42.8

0+75

-25	21.3	41.2
E	21.3	41.2
crb	17.1	45.4
1/4	10.7	51.8
+8	6.6	55.9
M	7.0	55.6
1/4	7.5	55.0
crb	8.9	53.6
+3	6.0	56.5
+8	4.3	58.2
W	3.7	58.8

		62.50		
		1+00		
W			5.1	57.4
+7			4.9	57.6
+11			6.5	56.0
+13			9.4	53.1
Crk			9.6	52.9
1/4			8.2	58.3
+11			7.7	54.8
M			8.0	54.5
+8			11.0	51.5
1/4			15.9	46.6
Crk			21.9	40.6
E.			22.1	40.4
+25			22.3	40.2
		1+25		
-30			23.4	39.1
E.L.			22.8	39.7
Crk			23.1	39.4
+8			23.0	39.5
1/4			20.8	41.7
M			10.1	52.4
+3			8.9	53.6
1/4			8.8	53.7
Crk			10.2	50.3
+2			8.0	54.5
W.L.			7.2	55.3
T.P.	3.40	54.11	11.79	50.71

		54.1		
		1+50		
W			4.2	49.9
Crk			2.2	51.9
1/4			2.5	51.6
+10			3.7	50.4
M			4.0	50.1
1/4			14.2	39.9
Crk			15.2	38.9
E			14.9	39.2
+25			11.7	42.4
		1+75		
-20			11.6	42.5
E.L.			13.5	40.6
Crk			16.3	37.8
1/4			15.7	38.4
M			6.1	48.0
1/4			3.4	50.7
Crk			3.5	50.6
+7			3.4	50.7
[illegible]			7.0	47.1

54.11

2+00

W	7.3	46.8
+7	3.7	50.4
Crk	4.9	49.2
1/4	5.0	49.1
M	6.9	47.2
1/4	14.7	39.4
Crk	15.4	38.7
E	12.6	41.5
+20	12.7	41.4

2+25

-20	13.4	40.7
E	14.3	39.8
Crk	15.1	39.0
1/4	14.6	39.5
M	8.1	46.0
1/4	6.1	48.0
Crk	7.0	47.1
W	8.3	45.8

2+50

W	9.6	44.5
Crk	8.8	45.3
1/4	7.8	46.3
M	8.4	45.7
1/4	14.9	39.2
Crk	16.0	38.1
E.L.	14.8	39.3
+20	14.6	39.5

2+75

-20	15.2	38.9
E.L.	15.6	38.5
Crk	14.7	39.4
1/4	14.7	39.4
M	10.1	44.0
1/4	9.7	44.4
Crk	10.5	43.6
W.L.	10.7	43.4

5+11

3+00 = N.L. "E" St.

N.L.	12.1	42.0
Crb	11.9	42.2
1/4	12.3	41.8
M	14.1	40.0
1/4	16.0	38.1
Crb	14.8	39.3
E.L.	16.5	37.6
+20	15.2	38.9

POSTED

X-section Third St "B" to "K" St. Third St 80' wide.
Showing defects & absence of Curb.
by Drinkle
by Shaw
by Digel

B.M. Brass pg N.W. 3rd & "C" St 41.96

B.M.	5.20	47.26	
S.L. "B" St.			
W. Crb		2.8	44.5
gtr		3.5	43.8
¼		2.9	44.4
+3.5 = 2' W. of W. rail of W. Track		2.8	44.5
+5.5 = W. rail of W. Track		2.8	44.5
ctr		2.9	44.4
+7.5 = E. rail of E. Track		2.9	44.4
+9.5 = 2' E of E. rail of E Track		2.9	44.4
¼		2.9	44.4
gtr		3.4	43.9
E. Crb		2.8	44.5
0+25.5 of "B" St			
E Crb		3.0	44.3
gtr		3.4	43.9
¼		3.1	44.2
+3.5		3.1	44.2
+5.5		3.1	44.2
M		3.1	44.2
+7.5		3.0	44.3
+9.5		3.1	44.2
¼		3.2	44.1
gtr		3.6	43.7
W. Crb		3.1	44.2

47.26

0+50

W Crb 36 drop drop in curb	3.3	44.0
Crb	3.5	43.8
gtr	3.9	43.4
¼	3.3	44.0
+3.5	3.3	44.0
+5.5	3.2	44.1
M	3.3	44.0
+7.5	3.3	44.0
+9.5	3.2	44.1
¼	3.3	44.0
gtr	3.6	43.7
E Crb	3.1	44.2
0+75		
E Crb	3.2	44.1
gtr	3.7	43.6
¼	3.5	43.8
+3.5	3.4	43.9
+5.5	3.4	43.9
M	3.5	43.8
+7.5	3.4	43.9
+9.5	3.4	43.9
¼	3.5	43.8
gtr	4.0	43.3
W Crb	3.7	43.6

47.26

1+00

W. crb	abrupt raise in curb	3.8	43.5
W. crb		3.6	43.7
gtr		4.9	42.9
⅓		3.7	43.6
+3.5		3.5	43.8
+5.5		3.5	43.8
℄		3.5	43.8
+7.5		3.6	43.7
+9.5		3.6	43.7
⅓		3.6	43.7
gtr		3.9	43.4
E crb		3.3	44.0

1+25

E. crb		3.5	43.8
gtr		4.0	43.3
⅓		3.8	43.5
+3.5		3.8	43.5
+5.5		3.8	43.5
℄		3.8	43.5
+7.5		3.7	43.6
+9.5		3.8	43.5
⅓		3.9	43.4
gtr		4.4	42.9
W. crb		3.8	43.5

47.26

1+50

W. crb		4.0	43.3
gtr		4.6	42.7
⅓		4.0	43.3
+3.5		4.0	43.3
+5.5		3.9	43.4
℄		3.9	43.4
+7.5		3.9	43.4
+9.5		3.9	43.4
⅓		4.0	43.3
gtr		4.1	43.2
E. crb		3.6	43.7

1+75

E. crb		3.7	43.6
gtr		4.3	43.0
⅓		4.1	43.2
+3.5		4.0	43.3
+5.5		4.1	43.2
℄		4.1	43.2
+7.5		4.0	43.3
+9.5		4.1	43.2
⅓		4.2	43.1
gtr		4.8	42.5
W crb		4.3	43.0

47.26

2+00

W. crk	4.5	42.8
gtr	5.0	423
"4	4.4	42.9
+3.5	4.3	430
+5.5	4.2	43.1
M	4.3	430
+7.5	4.3	43,0
+9.5	4.3	43.0
"4	4.4	42.9
gtr	4.4	42.9
E. crk	3.9	43.4

2+25

E. crk	4.1	43.2
gtr	4.6	42.7
"4	4.4	429
+ 3.5	4.4	42.9
+5.5	4.4	42.9
M	4.3	430
+7.5	4.3	43.0
+9.5	4.4	42.9
"4	4.6	427
gtr	5.3	420
W. crk	4.6	42.7

47.26

2+50

W. crk	4.9	42.4
gtr	5.4	41.9
"4	4.7	42.6
+3.5	4.6	42.7
+5.5	4.5	42.8
M	4.5	42.8
+7.5	4.6	42.7
+9.5	4.6	42.7
"4	4.6	427
gtr	4.7	42.6
E. crk	4.2	43.1

2+75

E. crk	4.2	43.1
gtr	4.8	42.5
"4	4.6	42.7
+3.5	4.7	42.6
+5.5	4.7	42.6
M	4.7	42.6
+7.5	4.6	42.7
+9.5	4.8	42.5
"4	4.9	42.4
gtr	5.6	41.7
W. crk	5.1	42.2

47.26

3+0 = N.L. "C" St Paved.

W. Crb		5.3	42.0
gtr		6.3	41.0
"2		4.9	42.4
+3.5		4.8	42.5
+5.5		4.8	42.5
M		4.8	42.5
+7.5		4.9	42.4
+9.5		4.9	42.4
"4		4.8	42.5
gtr		5.3	42.0
E. Crb		4.3	43.0

0+0 = S.L. "C" St

E. Crb		4.3	43.0
gtr		5.0	42.3
"4		4.7	42.6
+3.5		4.8	42.5
+5.5		4.9	42.4
M		4.8	42.5
+7.5		4.8	42.5
+9.5		5.0	42.3
"4		5.1	42.2
gtr		5.9	41.4
W. Crb		5.3	42.0

47.26

0+25 S. of "C" St

W. Crb		5.3	42.0
gtr		5.8	41.5
"4		5.2	42.1
+3.5		5.1	42.2
+5.5		4.9	42.4
M		4.9	42.4
+7.5		4.9	42.4
+9.5		4.8	42.5
"2		4.7	42.6
gtr		5.0	42.3
E. Crb		4.4	42.9
T.P.	5.74	47.95	5.05	42.21

0+50

E. Crb		5.0	42.95
gtr		5.6	42.35
"4		5.6	42.35
+3.5		5.6	42.35
+5.5		5.7	42.25
M		5.7	42.25
+7.5		5.7	42.25
+9.5		5.7	42.25
"4		5.9	42.05
gtr		6.3	41.65
W. Crb		6.0	41.95

	47.95		
	0+75		
W. crb	6.1	41.85	
gte	6.4	41.55	
"4	6.0	41.95	
+3.5	5.9	42.05	
+5.5	5.7	42.25	
M	5.7	42.25	
+7.5	5.7	42.25	
+9.5	5.6	42.35	
"4	5.5	42.45	
gte	5.6	42.35	
E. crb	5.1	42.85	
	1+00		
E. crb	5.1	42.85	
gte	5.6	42.35	
"4	5.6	42.35	
+3.5	5.6	42.35	
+5.5	5.7	42.25	
M	5.9	42.05	
+7.5	5.8	42.15	
+9.5	5.8	42.15	
"4	5.9	42.05	
gte	6.5	41.45	
W. crb	6.1	41.85	

	47.95		
	1+25		
W. crb	6.2	41.75	
gte	6.5	41.45	
"4	6.2	41.75	
+3.5	6.0	41.95	
+5.5	5.8	42.15	
M	5.8	42.15	
+7.5	5.8	42.15	
+9.5	5.7	42.25	
"4	5.7	42.25	
gte	6.1	41.85	
E. crb	5.1	42.85	
	1+50		
E. crb	5.1	42.85	
gte	5.8	42.15	
"4	5.6	42.35	
+3.5	5.8	42.15	
+5.5	5.8	42.15	
M	5.9	42.05	
+7.5	5.8	42.15	
+9.5	5.9	42.05	
"4	6.0	41.95	
gte	6.4	41.55	
W. crb	6.2	41.75	

47.95

1+75

W. Crk		6.3	41.65
gtr		6.5	41.45
11/4		5.9	42.05
+3.5		5.9	42.05
+5.5		5.9	42.05
M		6.0	41.95
+7.5		5.9	42.05
+9.5		5.8	42.15
11/4		5.6	42.35
gtr		5.8	42.15
E. Crk		5.2	42.75

2+0

E. Crk		5.2	42.75
gtr		5.8	42.15
11/4		5.6	42.35
+3.5		5.8	42.15
+5.5		5.8	42.15
M		5.9	42.05
+7.5		5.8	42.15
+9.5		6.0	41.95
11/4		6.2	41.75
gtr		6.9	41.05
W. Crk		6.3	41.65

47.95

2+75

W. Crk		6.9	41.55
gtr		6.9	41.05
11/4		6.1	41.85
+3.5		6.0	41.95
+5.5		5.8	42.15
M		5.7	42.25
+7.5		5.7	42.25
+9.5		5.8	42.15
11/4		5.6	42.35
gtr		5.8	42.15
E. Crk		5.3	42.65

2+50

E. Crk		5.3	42.65
gtr		5.9	42.05
11/4		5.8	42.15
+3.5		5.8	42.15
+5.5		5.7	42.25
M		5.7	42.25
+7.5		5.8	42.15
+9.5		6.0	41.95
11/4		6.4	41.55
gtr		7.0	40.95
W. Crk		6.5	41.45

47.95

2+70.5 = N.L. "D" St on W. side of Third

W. crb		6.5	41.45
gtr		6.8	41.15
"4		6.4	41.55
+3.5		6.0	41.95
+5.5		5.9	42.05
M		5.8	42.15
+7.5		5.7	42.25
+9.5		5.8	42.15
"4		5.8	42.15
gtr		5.9	42.05
E. crb		5.4	42.55

(300 on E. side from "C" to "D").

2+95 on E. & 2+75 on W. = N.L. of Asphalt "D" St paving

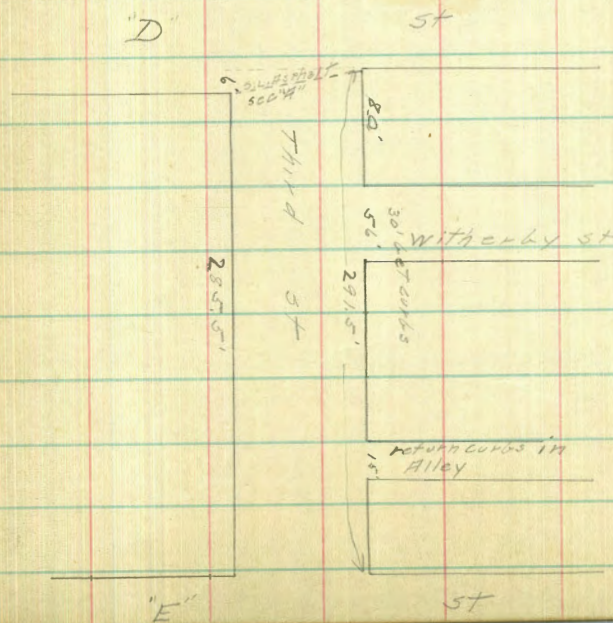
E. crb		5.4	42.55
gtr		6.1	41.85
"4 = 14' from curb on this line		6.0	41.95
+4		5.8	42.15
+6		5.7	42.25
M		5.9	42.05
+8		5.9	42.05
+10		6.1	41.85
"4 = 14' from curb on this line		6.4	41.55
gtr		7.0	40.95
W. crb		6.5	41.45
T.P.	1.68	41.13	8.50 39.45

Note - 28" concrete gutter on W. side from Sta 0+60 to Sta 0+85 curb to low and side walk in poor condition from Sta 1+35 to Sta 1+85 on W. side.

X-section "A"

41.13

W. crb	1.7	39.43
gtr	2.3	38.83
"4	1.3	39.83
+3.5	1.1	40.03
+5.5	1.0	40.13
M	0.9	40.2
+7.5	0.7	40.4
+9.5	0.8	40.3
"4	0.7	40.4
gtr	1.4	39.7
E. crb	0.3	40.8



4.1.13

0+25 on W to 0+31 on E

E. crb	0.6	40.5
gtr	1.3	39.8
"4	1.3	39.8
+3.5	1.5	39.6
+5.5	1.4	39.7
M	1.5	39.6
+7.5	1.6	39.5
+9.5	1.7	39.4
"4	1.8	39.3
gtr	2.7	38.4
W. crb,	2.1	39.0

0+50 W 0+56 E

W. crb	2.6	38.5
gtr	3.2	37.9
"4	2.4	38.7
+3.5	2.3	38.8
+5.5	2.2	38.9
M	2.0	39.1
+7.5	2.0	39.1
+9.5	2.0	39.1
"4	1.9	39.2
gtr	1.7	39.4
E. crb	1.0	40.1

Note Witherby st paved with asphalt to E. curb Line of Third st

4.1.13

0+75 W 0+81 E

E. crb	1.3	39.8
gtr	2.3	38.8
"4	2.5	38.6
+3.5	2.5	38.6
+5.5	2.6	38.5
M	2.6	38.6
+7.5	2.8	38.3
+9.5	2.8	38.3
"4	2.9	38.2
gtr	3.7	37.4
W. crb	3.1	38.0

170 W 1706. E

W. crb	3.6	37.5
gtr	4.1	37.0
"4	3.6	37.5
+3.5	3.5	37.6
+5.5	3.3	37.8
M	3.3	37.8
+7.5	3.1	38.0
+9.5	3.1	38.0
"4	3.1	38.0
gtr	3.0	38.1

E. crb Witherby intersection

41.13

1+25 W 1+31 E

E

crb	3.7	38.4
gtr	3.6	37.5
1/4	3.7	37.4
+3.5	3.7	37.4
+5.5	3.7	37.4
M	3.8	37.3
+7.5	3.9	37.2
+9.5	4.1	37.0
1/4	4.3	36.8
gtr	4.9	36.2
W. crb	4.1	37.0

1+35 on W. showing drop in curb elev

W. crb	4.3	36.8
W. crb	5.3	35.8

1+50 W 1+56 E

W. crb	5.5	35.6
gtr	5.7	35.4
1/4	5.0	36.1
+3.5	4.9	36.2
+5.5	4.6	36.5
M	4.8	36.6
+7.5	4.3	36.8
+9.5	4.5	36.6
1/4	4.4	36.7
gtr	4.4	36.7
E. crb	3.4	37.7

41.13

1+25 W 1+31 E

E. crb	4.3	36.8
gtr	5.3	35.8
1/4	5.1	36.0
+3.5	5.2	35.9
+5.5	5.1	36.0
M	5.2	35.9
+7.5	5.3	35.8
+9.5	5.4	35.7
1/4	5.6	35.5
gtr	6.2	34.9
W. crb	6.0	35.1

1+85 on W. showing raise in curb elev.

W. crb	6.4	34.7
W. crb	5.7	35.4

2+0 W 2+06 E

W. crb	6.7	34.9
gtr	6.8	34.8
1/4	6.9	34.7
+3.5	6.2	34.9
+5.5	5.9	35.2
M	5.8	35.3
+7.5	5.7	35.4
+9.5	5.8	35.3
1/4	5.8	35.3
gtr	5.8	35.3
E. crb	5.1	36.0

2+25 N 82+31 E

No. curb account Alley

E. gutter	7.0	34.1
℄	6.5	34.6
+3.5	6.6	34.5
+5.5	6.4	34.7
M	6.6	34.5
+7.5	6.6	34.5
+9.5	6.8	34.3
℄	7.0	34.1
gtr	7.6	33.5
W. Curb	7.0	34.1

2+50 N 2+56 E

W. Curb	7.7	33.4
gtr	5.2	32.9
℄	7.5	33.6
+3.5	7.5	33.6
+5.5	7.3	33.8
M	7.3	33.8
+7.5	7.1	34.0
+9.5	7.4	33.7
℄	7.4	33.7
gtr	7.4	33.7
E. Curb	6.6	34.5

41.13

2+85.5 on W 82+91.5 on E = N. L. E" St

E Curb	7.6	33.5
gtr	8.3	32.8
℄	8.2	32.9
+3.5	8.1	33.0
+5.5	8.0	33.1
M	8.2	32.9
+7.5	8.2	32.9
+9.5	8.3	32.8
℄	8.3	32.8
gtr	8.8	32.3
W. Curb	8.7	32.4
T. P.	1.58	32.98	9.73	31.40

S. L. E" St

W. Curb	1.7	31.3
gtr	2.1	30.9
℄	1.5	31.5
+3.5	1.3	31.7
+5.5	1.1	31.9
M	1.0	32.0
+7.5	0.9	32.1
+9.5	0.9	32.1
℄	0.8	32.2
gtr	1.3	31.7
E Curb	0.6	32.4

For Intersection see page 63

32.98

0+25 8 of E.

E. crb	1.2	31.8
gtr	2.0	31.0
1/4	1.5	31.5
+3.5	1.5	31.5
+5.5	1.4	31.6
M	1.6	31.4
+7.5	1.6	31.4
+9.5	1.8	31.2
1/4	2.1	30.9
gtr	2.5	30.5
W. crb	2.2	30.8

0+50

W. crb	2.7	30.3
gtr	3.0	30.0
1/4	2.4	30.6
+3.5	2.4	30.6
+5.5	2.3	30.7
M	2.2	30.8
+7.5	2.1	30.9
+9.5	2.2	30.8
1/4	2.1	30.9
gtr	2.8	30.2
E. crb	1.7	31.3

32.98

0+75

E. crb	2.3	30.7
gtr	3.1	29.9
1/4	2.6	30.4
+3.5	2.7	30.3
+5.5	2.7	30.3
M	2.8	30.2
+7.5	2.9	30.1
+9.5	3.1	29.9
1/4	3.3	29.7
gtr	3.6	29.4
W. crb	3.3	29.7

1+0

W. crb	3.8	29.2
gtr	4.2	28.8
1/4	3.6	29.4
+3.5	3.5	29.5
+5.5	3.4	29.6
M	3.2	29.8
+7.5	3.2	29.8
+9.5	3.2	29.8
1/4	3.1	29.9
gtr	3.5	29.5
E. crb	2.9	30.1

32.98

1+25

E crb	3.5	29.5
gtr	4.3	28.7
"4	3.7	29.3
+3.5	3.8	29.2
+5.5	3.8	29.2
M	4.0	29.0
+7.5	4.0	29.0
+9.5	4.0	29.0
"4	4.1	28.9
gtr	4.3	28.2
W. crb	4.5	28.5

1+50

W. crb	5.0	28.0
gtr	5.3	27.7
"4	4.6	28.4
+3.5	4.6	28.4
+5.5	4.6	28.4
M	4.5	28.5
+7.5	4.4	28.6
+9.5	4.4	28.6
"4	4.4	28.6
gtr	4.5	28.5
E crb	4.1	28.9

32.98

1+75

E crb	4.6	28.4
gtr	5.3	27.7
"4	5.0	28.0
+3.5	5.1	27.9
+5.5	5.0	28.0
M	5.1	27.9
+7.5	5.2	27.8
+9.5	5.2	27.8
"4	5.2	27.8
gtr	5.6	27.4
W. crb	5.5	27.5

2+00

W. crb	6.1	26.9
gtr	6.7	26.3
"4	6.0	27.0
+3.5	5.8	27.2
+5.5	5.8	27.2
M	5.7	27.3
+7.5	5.6	27.4
+9.5	5.6	27.4
"4	5.7	27.4
gtr	6.0	27.0
E crb	5.2	27.8

32.98

2+25

E. Crk		5.8	27.2
gtr		6.5	26.5
1/4		6.1	26.9
+3.5		6.2	26.8
+5.5		6.1	26.9
M		6.3	26.7
+7.5		6.3	26.7
+9.5		6.4	26.6
1/4		6.6	26.4
gtr		7.3	25.7
W. crk		6.6	26.4

2+50

W. crk		7.2	25.8
gtr		7.7	25.3
1/4		7.1	25.9
+3.5		7.0	26.0
+5.5		6.9	26.1
M		6.9	26.1
+7.5		6.7	26.3
+9.5		6.8	26.2
1/4		6.7	26.3
gtr		6.8	26.2
E. Crk		6.4	26.6

32.98

2+75

E. Crk		7.0	26.0
gtr		7.5	25.5
1/4		7.2	25.8
+3.5		7.3	25.7
+5.5		7.3	25.7
M		7.4	25.6
+7.5		7.5	25.5
+9.5		7.5	25.5
1/4		7.5	25.5
gtr		8.1	24.9
W. Crk		7.8	25.2

3+0 = N. L. E. St

W. Crk		8.4	24.6
gtr		8.5	24.5
1/4		8.1	24.9
+3.5		8.1	24.9
+5.5		8.1	24.9
M		8.0	25.0
+7.5		7.8	25.2
+9.5		7.7	25.2
1/4		7.6	25.4
gtr		8.1	24.9
E. Crk		7.5	25.5
T. P.	2.45	25.84	9.59	23.39

Note- 3" plank return and 3" plank curb with asphalt side walk from Sta 0+0 To Sta 1+50 on E. side — No curb on W. side from Sta 0+50 to 0+56, Sta 2+01 to Sta 2+05 and Sta 2+88 to Sta 2+93

25.84

See Page 64 for intersection

0+0 on "E" St.

E. Crb	1.9	24.4
gtr	2.1	23.7
"	1.6	24.2
+3.5	1.8	24.0
+5.5	1.8	24.0
M	1.9	23.9
+7.5	2.0	23.8
+9.5	2.1	23.7
"	2.1	23.7
gtr	2.7	23.1
W Crb	2.4	23.4

0+25 on "E" St.

W. Crb	2.8	23.0
gtr	3.1	22.7
"	2.5	23.3
+3.5	2.5	23.3
+5.5	2.4	23.4
M	2.2	23.6
+7.5	2.2	23.6
+9.5	2.2	23.6
"	2.0	23.8
gtr	2.7	23.1
E. Crb	1.9	23.9

25.84

0+50

E. Crb	2.9	23.4
gtr	3.1	22.7
"	2.9	23.4
+3.5	2.6	23.2
+5.5	2.6	23.2
M	2.7	23.1
+7.5	2.8	23.0
+9.5	2.9	22.9
"	3.0	22.8
gtr	3.5	22.3
W. Crb	3.7	22.5

0+75

W. Crb	3.7	22.1
gtr	4.2	21.6
"	3.5	22.3
+3.5	3.4	22.4
+5.5	3.2	22.6
M	3.1	22.7
+7.5	3.0	22.8
+9.5	3.0	22.8
"	2.9	22.9
gtr	3.5	22.3
E. Crb	2.7	23.1

	25.84		
	170		
E. crk	3.7	22.6	
gtr	3.9	21.9	
1/4	3.3	22.5	
+3.5	3.3	22.5	
+5.5	3.4	22.4	
M	3.5	22.3	
+7.5	3.7	22.1	
+9.5	3.8	22.0	
1/4	3.9	21.9	
gtr	4.8	21.0	
W. crk	4.1	21.7	
	1725		
W. crk	4.5	21.3	
gtr	5.0	20.8	
1/4	4.2	21.6	
+3.5	4.2	21.6	
+5.5	4.1	21.7	
M	3.9	21.9	
+7.5	3.8	22.0	
+9.5	3.8	22.0	
1/4	3.7	22.1	
gtr	3.9	21.9	
E. crk	3.7	22.1	

	25.84		
	1750		
E. crk	4.1	21.7	
gtr	4.9	20.9	
1/4	4.0	21.8	
+3.5	4.3	21.6	
+5.5	4.3	21.5	
M	4.3	21.5	
+7.5	4.5	21.3	
+9.5	4.5	21.3	
1/4	4.5	21.3	
gtr	5.4	20.4	
W. crk	4.9	20.9	
	1775		
W. crk	5.3	20.5	
gtr	5.6	20.2	
1/4	5.0	20.8	
+3.5	4.9	20.9	
+5.5	4.9	20.9	
M	4.8	21.0	
+7.5	4.7	21.1	
+9.5	4.5	21.3	
1/4	4.4	21.4	
gtr	4.8	21.0	
E. crk	4.3	21.5	

25.84

2+00

E.crk	4.8	21.0
gtr	5.3	20.5
½	4.8	21.0
+3.5	5.0	20.8
+5.5	5.1	20.7
M	5.1	20.7
+7.5	5.3	20.5
+9.5	5.3	20.5
½	5.4	20.4
gtr	6.1	19.7
W.crk	5.8	20.0

2+25

W.crk	6.2	19.6
½	6.9	18.9
gtr	5.9	19.9
+3.5	5.7	20.1
+5.5	5.7	20.1
M	5.5	20.3
+7.5	5.5	20.3
+9.5	5.5	20.3
½	5.3	20.5
gtr	5.6	20.2
E.crk	5.2	20.6

25.84

2+50

E.crk	5.6	20.2
gtr	6.1	19.7
½	5.8	20.0
+3.5	5.8	20.0
+5.5	5.9	19.9
M	5.9	19.9
+7.5	6.1	19.7
+9.5	6.1	19.7
½	6.1	19.7
gtr	7.0	18.8
W.crk	6.5	19.3

2+75

W.crk	7.0	18.8
gtr	7.3	18.6
½	6.5	19.3
+3.5	6.5	19.3
+5.5	6.5	19.3
M	6.4	19.4
+7.5	6.4	19.4
+9.5	6.3	19.5
½	6.2	19.6
gtr	6.5	19.3
E.crk	6.0	19.8

25.84

340 = N. L. G" St

E. Crb			6.4	19.4
gtr			6.6	19.2
1/4			6.5	19.3
+3.5			6.7	19.1
+5.5			6.8	19.0
M			6.8	19.0
+7.5			6.9	18.9
+9.5			6.9	18.9
1/4			6.9	18.9
gtr			7.7	18.1
W. Crb			7.9	18.4
T. P.	2.87	20.35	8.36	17.98

For intersection see Page 66

Note - 3' plank curb with asphalt sidewalk from Sta 0+50 To Sta 1+0 on E. side — Asphalt sidewalk on W. side from Sta 0+0 to Sta 1+0 — brick sidewalk from from Sta 2+0 To Sta 3+0 on W. side

20.35

0+0 = S. L. G" St

W. Crb	2.9	17.45
gtr	3.1	17.25
1/4	2.6	17.7
+3.5 = 2 wd fm. rail W. track	2.6	17.7
+5.5 = W. " " "	2.5	17.8
M	2.4	17.9
+7.5 = E rail E track	2.3	18.0
+9.5 = 3 E of E " " "	2.3	18.0
1/4	2.2	18.1
gtr	2.4	17.9
E. Crb	1.9	18.4

0+25 S. of G. St

E. Crb	2.5	17.8
gtr	3.1	17.2
1/4	2.7	17.6
+3.5	2.8	17.5
+5.5	2.8	17.5
M	2.9	17.4
+7.5	3.0	17.3
+9.5	3.0	17.3
1/4	3.0	17.3
gtr	3.7	16.7
W. Crb	3.4	16.9

	20.35		
	0+50		
W. crk		3.8	16.5
gtr		4.3	16.0
1/4		3.4	16.9
+3.5		3.5	16.8
+5.5		3.5	16.8
M		3.4	16.9
+7.5		3.3	17.0
+9.5		3.3	17.0
1/4		3.1	17.2
gtr		3.9	16.4
E crk		2.9	17.4
	0+75		
E. crk		3.5	16.8
gtr		4.0	16.3
1/4		3.6	16.7
+3.5		3.8	16.5
+5.5		3.7	16.6
M		3.8	16.5
+7.5		4.0	16.3
+9.5		4.0	16.3
1/4		4.1	16.2
gtr		4.7	15.6
W. crk		4.3	16.0

	2035		
	1+0		
W crk		4.7	15.6
gtr		5.3	15.0
1/4		4.5	15.8
+3.5		4.4	15.9
+5.5		4.4	15.9
M		4.3	16.0
+7.5		4.2	16.1
+9.5		4.2	16.1
1/4		4.1	16.2
gtr		4.7	15.6
E. crk		4.0	16.3
	1+25		
E. crk		4.5	15.8
gtr		4.8	15.5
1/4		4.6	15.7
+3.5		4.8	15.5
+5.5		4.8	15.5
M		4.8	15.5
+7.5		5.0	15.3
+9.5		4.9	15.4
1/4		5.0	15.3
gtr		5.7	14.6
W. crk		5.2	15.1

2035

1+50

W. Crk		5.6	14.7
gtr		6.0	14.3
"4		5.4	14.9
+3.5		5.4	14.9
+5.5		5.5	14.6
M		5.2	15.1
+7.5		5.3	15.0
+9.5		5.3	15.0
"4		5.0	15.3
gtr		5.4	14.9
E. Crk		4.9	15.4

1+75

E. Crk		5.4	14.9
gtr		6.0	14.3
"4		5.6	14.7
+3.5		5.8	14.5
+5.5		5.7	14.6
M		5.7	14.6
+7.5		6.0	14.3
+9.5		6.0	14.3
"4		6.0	14.3
gtr		6.4	13.9
W. Crk		6.1	14.2

2035

2+0

W. Crk		6.6	13.7
gtr		7.1	13.2
"4		6.3	14.0
+3.5		6.3	14.0
+5.5		6.5	13.8
M		6.3	14.0
+7.5		6.2	14.1
+9.5		6.3	14.0
"4		6.0	14.3
gtr		6.4	13.9
E. Crk		5.9	14.4

2+25

E. Crk		6.4	13.9
gtr		7.2	13.1
"4		6.5	13.8
+3.5		6.7	13.6
+5.5		6.8	13.5
M		6.9	13.4
+7.5		6.9	13.4
+9.5		7.0	13.3
"4		7.1	13.2
gtr		7.6	12.7
W. Crk		7.1	13.2

20.35

2+50

W. Crb	7.5	12.8	
gtr	8.2	12.1	
1/4	7.4	12.9	
+3.5	7.4	12.9	
+5.5	7.3	13.0	
M	7.2	13.1	
+7.5	7.2	13.1	
+9.5	7.2	13.1	
1/4	7.0	13.3	
gtr	7.5	12.8	
E. Crb	6.9	13.4	

2+75

E. Crb	7.4	12.9	
gtr	7.9	12.4	
1/4	7.4	12.9	
+3.5	7.7	12.6	
+5.5	7.7	12.6	
M	7.7	12.6	
+7.5	7.6	12.7	
+9.5	7.7	12.6	
1/4	7.7	12.6	
gtr	8.2	12.1	
W. Crb	8.0	12.3	

20.35

10/27/09 Dunkle Shaw Dwyer

3+0 = N.L. "H" St Paved.

W. Crb	8.4	11.9	
gtr	9.1	11.2	
1/4	8.2	12.1	
+6 = 2' W. of W. rail W. Track	8.1	12.2	
+8 = W. " " "	8.1	12.2	
M	8.2	12.1	
1/4	8.0	12.3	
+1 = E. rail of E Track	8.0	12.3	
+3 = 2' E of E. rail " "	7.8	12.5	
gtr	8.9	11.4	
E. Crb	7.8	12.5	
T.P. 2.20 13.66	8.89	11.46	

0+0 S.L. "H" St

E. Crb	1.7	11.96
gtr	2.7	10.96
1/4	1.8	11.86
M	1.9	11.76
1/4	2.3	11.36
gtr	2.8	10.86
W. Crb	2.2	11.46

Note - side walk in bad condition from sta 2+50 to sta 2+65 on W. side

13.66

0+25 5 of "A" ST

W. crb	2.6	11.06
gtr	3.3	10.36
1/4	3.2	10.46
M	2.9	10.76
1/4	2.4	11.26
gtr	3.0	10.66
E. crb	2.1	11.56

0+50

E. crb	2.5	11.16
gtr	3.0	10.66
1/4	3.2	10.46
M	3.6	10.06
1/4	3.6	10.06
gtr	3.7	9.96
W crb	2.9	10.76

13.66

0+75

W. crb	3.4	10.26
gtr	4.1	9.56
1/4	3.9	9.76
M	4.3	9.36
1/4	3.6	10.06
gtr	3.5	10.16
E crb	2.9	10.76

1+0

E. crb	3.2	10.46
gtr	4.2	946
1/4	3.9	9.76
M	4.4	9.26
1/4	4.3	9.36
gtr	4.4	9.26
W. crb	3.7	9.96

13.66

1+25

W. crb		4.1	9.56
gtr		4.9	8.76
¼		4.5	9.16
M		4.6	9.06
¼		4.2	9.46
gtr		4.7	8.96
E. crb		3.6	10.06

1+50

E. crb		4.0	9.66
gtr		5.0	8.66
¼		4.7	8.96
M		5.0	8.66
¼		4.9	8.76
gtr		4.9	8.76
W. crb		4.5	9.16

13.66

1+75

W. crb		4.8	8.86
gtr		5.5	8.16
¼		5.3	8.36
M		5.2	8.46
¼		5.0	8.66
crb		5.3	8.36
E. crb		4.4	9.26

2+0

E. crb		4.8	8.86
gtr		5.5	8.16
¼		5.1	8.56
M		5.4	8.26
¼		5.4	8.26
gtr		5.8	7.86
W. crb		5.2	8.46

13.66

2+75

W. crk		5.6	8.06
gtr		6.1	7.56
"		5.7	7.96
M		5.7	7.96
"		5.5	8.16
gtr		5.8	7.86
E. crk		5.2	8.46
	2+50		
E. crk		5.5	8.16
gtr		6.4	7.26
"		5.7	7.96
M		5.9	7.76
"		6.0	7.66
gtr		6.5	7.16
W. crk		6.0	7.66

13.66

2+75

W. crk		6.3	7.36
gtr		6.9	6.76
"		6.3	7.36
M		6.0	7.66
"		6.1	7.56
gtr		6.7	6.96
E. crk		5.8	7.86
	3+0 = N.L. "I" 5+		
E. crk		6.2	7.46
gtr		6.8	6.86
"		6.4	7.26
M		6.2	7.46
"		6.5	7.16
gtr		7.2	6.46
W. crk		6.7	6.96
T.P.	1.79	8.26	7.19	6.47.

8.26

North I

W. L.	1.7	6.56
W. Crb. L.	2.0	6.26
1/4	1.3	6.96
M	1.1	7.16
1/4	1.0	7.26
E. Crb. L.	1.7	6.56
E. L.	1.1	7.16

N 1/4

E. L.	1.2	7.06
Crb. L.	1.6	6.66
1/4	1.1	7.16
M	1.1	7.16
1/4	1.4	6.86
Crb. L.	2.0	6.26
W. L.	1.9	6.36

8.26

Center

W. L.	2.1	6.16
Crb. L.	2.1	6.16
1/4	1.4	6.86
M	1.6	6.66
1/4	1.4	6.86
Crb. L.	1.8	6.46
E. L.	1.0	7.26

S 1/4

E. L.	1.4	6.86
Crb. L.	1.8	6.46
1/4	1.4	6.86
M	1.5	6.76
1/4	1.7	6.56
Crb. L.	2.2	6.06
W. L.	2.1	6.16

8.26

S. Curb

W.L.	2.0	6.26
Crb.L.	2.3	5.96
"	1.9	6.36
M	1.8	6.46
"	1.7	6.56
Crb.L.	2.1	6.16
E.L.	2.0	6.26

0+0 = S.L. "I" St

E.Crb	1.8	6.46
gtr	2.9	5.86
"	2.1	6.16
M	2.0	6.26
"	2.1	6.16
gtr	2.3	5.96
W.crb	1.8	6.46

Note. Asphalt side walk E. side from Sta 0+0 to Sta 0+50 and from Sta 1+50 to 3+0 — Asphalt side walk on W. side from 0+50 to 1+75

0+25 S. of "I"
8.26

W.crb	2.2	6.06
gtr	2.9	5.36
"	2.4	5.86
M	2.2	6.06
"	2.3	5.96
gtr	2.6	5.66
E.crb	2.2	6.06

0+50

E.crb	2.5	5.76
gtr	3.2	5.06
"	2.7	5.56
M	2.6	5.66
"	2.7	5.56
gtr	3.3	4.96
W.crb	2.6	5.66

8.26

0+75

W. crb	2.9	5.36
gtr	3.6	4.66
1/4	3.0	5.26
M	3.0	5.26
1/4	3.2	506
gtr	3.5	4.76
E. crb	2.9	5.36

1+00

E. crb	3.3	4.96
gtr	3.8	4.46
1/4	3.9	4.36
M	3.3	4.96
1/4	3.4	4.86
gtr	3.9	4.36
W. crb	3.3	4.96

8.26

1+25

W. crb	3.7	4.56
gtr	4.9	3.86
1/4	3.8	4.46
M	3.7	4.56
1/4	4.0	4.26
gtr	4.9	3.86
E. crb	3.7	4.56

1+50

E. crb	4.0	4.26
gtr	4.6	3.66
1/4	4.5	3.76
M	4.2	4.06
1/4	4.3	3.96
gtr	4.7	3.56
W. crb	4.1	4.16

8.26

1+75

W. crk	4.5	3.76
gte	5.2	3.06
½	4.6	3.66
M	4.5	3.76
½	4.7	3.56
gte	4.9	3.36
E. crk	4.4	3.86

2+00

E. Crk	4.8	3.46
gte	5.2	3.06
½	5.1	3.16
M	4.8	3.46
¼	5.0	3.26
gte	5.6	2.66
W. crk	4.8	3.46

8.26

2+25

W. crk	5.2	3.06
gte	5.8	2.46
½	5.2	3.06
M	5.1	3.16
½	5.3	2.96
gte	5.3	2.96
E. crk	5.2	3.06

2+50

E. crk	5.6	2.66
gte	5.8	2.46
¼	5.9	2.36
M	5.5	2.76
½	5.6	2.66
gte	5.9	2.36
W. crk	5.5	2.76

8.26

2+75

W. curb	5.9	2.36
gtr	6.2	2.06
"4	6.0	2.26
M	5.7	2.56
"4	6.1	2.16
gtr	6.0	2.26
E. curb	5.9	2.36

340 = N. L. "J" St

E. curb	6.2	2.06
gtr	6.4	1.86
"4	6.4	1.86
M	6.1	2.16
"4	6.3	1.96
gtr	6.7	1.56
W. curb	6.3	1.96

8.26

N. curb

N. L.	6.6	1.66
curb L.	6.9	1.36
"4	6.4	1.86
M	6.1	2.16
"4	6.5	1.76
curb L.	6.7	1.56
E. L.	6.5	1.76

N "4

E. L.	6.6	1.66
curb L.	6.6	1.66
"4	6.5	1.76
M	6.1	2.16
"4	6.4	1.86
curb L.	7.0	1.26
W. L.	6.6	1.66

8.26

Center

W.L.		6.6	1.66
Crb. L.		7.0	1.26
1/4		6.4	1.86
M		6.3	1.96
1/4		6.6	1.66
Crb. L.		6.6	1.66
E.L.		6.5	1.76
	S 1/4		
E.L.		6.8	1.46
Crb. L.		6.7	1.56
1/4		6.7	1.56
M		6.6	1.66
1/4		6.7	1.56
Crb. L.		7.2	1.06
W.L.		7.0	1.26

8.26

S. Curb

W.L.		7.3	0.96
Crb. L.		7.3	0.96
1/4		6.7	1.56
M		6.6	1.66
1/4		6.8	1.46
Crb. L.		6.9	1.36
E.L.		6.8	1.46
	S.L. "J" St		
E		6.6	1.66
Crb		6.8	1.46
1/4		7.0	1.26
M		6.6	1.66
1/4		7.0	1.26
Crb		6.8	1.46
W		6.5	1.76
T.P.	3.99	5.47	6.78	1.48

Note — Third St Not graded or curbed from "J" to "K" St
N.E. & S.W. returns in. 5.47

0+25' S. of "J" St.

W		4.0	1.5	
Crb		4.4	1.07	
1/4		4.3	1.2	
M		4.3	1.2	
1/4		4.2	1.3	
Crb		4.1	1.37	
E		3.7	1.8	

0+50

E		3.8	1.67	
Crb		4.2	1.3	
1/4		4.4	1.1	
M		4.2	1.3	
1/4		4.4	1.1	
Crb		4.8	.67	
W		4.2	1.3	

0+75

W		4.5	1.0	
Crb		4.8	0.7	
1/4		4.8	0.7	
M		4.3	1.2	
1/4		4.9	0.6	
Crb		4.3	1.2	
E		4.1	1.4	

1+0

E		3.6	1.9	
Crb		4.3	1.2	
1/4		4.6	0.9	
M		4.9	0.6	
1/4		5.1	0.4	
Crb		5.0	0.5	
W		4.8	0.7	

	5.47		
	1+25		
W	4.7	0.8	
crb	5.0	0.5	
1/4	5.1	0.4	
M	4.9	0.6	
1/4	4.7	0.8	
crb	4.6	0.9	
E	4.0	1.5	
	1+50		
E	4.0	1.5	
crb	4.2	1.3	
1/4	5.0	0.5	
M	4.8	0.7	
1/4	5.2	0.3	
crb	5.3	0.2	
W	5.1	0.4	

	1+75		
W	5.0	0.5	
crb	5.3	0.2	
1/4	5.3	0.2	
M	5.0	0.5	
1/4	5.0	0.5	
crb	4.7	0.8	
E	4.3	1.2	
	2+0		
E	4.1	1.4	
crb	4.9	0.6	
1/4	5.0	0.5	
M	4.9	0.6	
1/4	5.3	0.2	
crb	5.5	0.0	
W	5.0	0.5	

(547)

2+25

W	5.1	0.4
crk	5.4	0.1
1/4	5.5	0.0
M	4.9	0.6
1/4	4.9	0.6
crk	4.4	1.1
E	4.1	1.4

2+50

E	4.3	1.2
crk	4.5	1.0
+4	5.5	0.0
1/4	5.1	0.4
M	5.0	0.5
1/4	5.5	0.0
crk	5.7	−0.2
W	5.6	−0.1

2+75

W	5.6	−0.1
crk	5.7	−0.2
1/4	5.5	0.0
M	5.2	0.3
1/4	5.4	0.1
+5	5.5	0.0
crk	4.3	1.2
E	4.1	1.4

3+0 = N.L. "K" St

E	4.4	1.1
crk	5.1	0.4
1/4	5.4	0.1
M	5.3	0.2
1/4	5.3	0.2
crk	5.3	0.2
W	5.5	0.0

X-section for intersection of Third & "E" see page 40 this book

B.M. S.W. 3rd & "E" 23.39

B.M.	10.91	34.30	
N. Curb "E" St			
W.L.		2.3	32.0
Crb.L.		2.1	32.2
1/4		1.7	32.6
+3.5		1.6	32.7
+5.5		1.6	32.7
M		1.5	32.8
+7.5		1.4	32.9
+9.5		1.4	32.9
1/4		1.4	32.9
Crb.L.		1.8	32.5
E.L.		1.5	32.8
N. 1/4			
E.L.		1.8	32.5
Crb.L.		1.8	32.5
1/4		1.4	32.9
+3.5		1.6	32.7
+5.5		1.6	32.7
M		1.8	32.5
+7.5		1.7	32.6
+9.5		1.7	32.6
1/4		1.9	32.4
Crb.L.		1.7	32.6
W.L.		1.9	32.4

34.30

Center

W.L.	2.1	32.2
Crb.L.	1.9	32.4
1/4	1.7	32.6
+3.5	1.8	32.5
+5.5	1.9	32.4
M	1.9	32.4
+7.5	1.7	32.6
+9.5	1.9	32.4
1/4	1.7	32.6
Crb.L.	2.0	32.3
E.L.	1.8	32.5
5 1/4		
E.L.	2.0	32.3
Crb.L.	2.2	32.1
1/4	1.8	32.5
+3.5	1.9	32.4
+5.5	1.9	32.4
M	1.9	32.4
+7.5	2.1	32.2
+9.5	2.0	32.3
1/4	1.9	32.4
Crb.L.	2.4	31.9
W.L.	2.6	31.7

3430

S. Curb "E" St

W.L.	3.3	31.0
Crb.L.	3.1	31.2
1/4	2.5	31.8
+3.5	2.3	32.0
+5.5	2.2	32.1
M	2.1	32.2
+7.5	2.1	32.2
+9.5	2.1	32.2
1/4	1.9	32.4
Crb.L.	2.4	31.9
E.L.	2.1	32.2

1-Section on So intersection of Third & "F" see Page 43

B.M. 3 W. 3rd & "F" 23.39

B.M. 4.11 27.50

N. Curb "F" St

W.L.	3.3	24.2
Crb.L.	3.1	24.4
1/4	2.6	24.9
+3.5	2.7	24.8
+5.5	2.8	24.7
M	2.7	24.8
+7.5	2.6	24.9
+9.5	2.6	24.9
1/4	2.5	25.0
Crb.L.	2.9	24.6
E.L.	2.5	25.0

N 1/4

E.L.	2.4	25.1
Crb.L.	2.9	24.6
1/4	2.7	24.8
+3.5	2.7	24.8
+5.5	2.8	24.7
M	2.9	24.6
+7.5	3.0	24.5
+9.5	2.9	24.6
1/4	2.6	24.9
Crb.L.	3.0	24.5
W.L.	3.3	24.2

27.50

Center

W.L.	3.5	24.0
Crk.L.	3.2	24.3
11/4	2.9	24.6
+3.5	3.1	24.4
+5.5	3.1	24.4
M	3.1	24.4
+7.5	2.9	24.6
+9.5	2.9	24.6
11/4	2.8	24.7
Crk.L.	2.8	24.7
E.L.	2.3	25.2

5 11/4

E.L.	2.9	24.6
Crk.L.	3.2	24.3
11/4	3.0	24.5
+3.5	3.1	24.4
+5.5	3.1	24.4
M	3.3	24.2
+7.5	3.3	24.2
+9.5	3.2	24.3
11/4	2.9	24.6
Crk.L.	3.4	24.1
W.L.	3.7	23.8

27.50

5. Curb "E" - 5+

W.L.	4.2	23.3
Crk.L.	4.0	23.5
11/4	3.4	24.1
+3.5	3.4	24.1
+5.5	3.4	24.1
M	3.4	24.1
+7.5	3.2	24.3
+9.5	3.2	24.3
11/4	3.2	24.3
Crk.L.	3.5	24.0
E.L.	3.4	24.1

Location for intersection of Third & G see Page 47

B.M., S.W. Third & G 17.48

B.M. 4.90 22.38

N. Curb G

W.L.	4.6	17.8
Crb.L.	4.3	18.1
1/4	3.6	18.8
+3.5	3.5	18.9
+5.5	3.6	18.8
M	3.5	18.9
+7.5	3.5	18.9
+9.5	3.4	19.0
1/4	3.2	19.2
Crb.L.	3.4	19.0
E.L.	3.4	19.0

N 1/4

E.L.	3.4	19.0
Crb.L.	3.6	18.8
1/4	3.4	19.0
+3.5	3.6	18.8
+5.5	3.6	18.8
M	3.8	18.6
+7.5	3.8	18.6
+9.5	3.7	18.7
1/4	3.7	18.7
Crb.L.	4.7	18.2
W.L.	4.5	17.9

22.38

Center

W.L.	4.5	17.9
Crb.L.	4.3	18.1
1/4	3.8	18.6
+3.5	3.9	18.5
+5.5	4.0	18.4
M	3.9	18.5
+7.5	3.8	18.6
+9.5	3.7	18.7
1/4	3.6	18.8
Crb.L.	3.8	18.6
E.L.	3.7	18.7

S 1/4

E.L.	3.9	18.5
Crb.L.	3.9	18.5
1/4	3.7	18.7
+3.5	3.9	18.5
+5.5	3.9	18.5
M	3.9	18.5
+7.5	4.2	18.2
+9.5	4.1	18.3
1/4	4.1	18.3
Crb.L.	4.6	17.8
W.L.	4.9	17.5

	22,38			
	S. curb	"G"		
W. L.		5.3	17.1	
Crb. L.		5.0	17.4	
1/4		4.4	18.0	
+3.5		4.4	18.0	
+5.5		4.3	18.1	
M		4.2	18.2	
+7.5		4.1	18.3	
+9.5		4.1	18.3	
1/4		4.0	18.4	
Crb. L.		4.2	18.2	
E. L.		4.0	18.4	

Levels on N.L. of "E" st for toe of slope from E.L. 16th to 100' E of 16th. Levels taken at same distances as original x-sections Book 290 p 34

1/12/10 Dunkle Shaw Dezeil

B.M. brass plg Sixteenth & "D" 55.89

B.M. 3.15 59.04

E.L. 16th

0+22 N of N.L. "E" st 10.3

0+30 " " " " 10.6

0+05 E of 16th

0+19 N. of N.L. "E" st. 7.2

0+30 " " " " " " 7.4

0+10 E of 16th

0+19 " " " " " " 6.3

0+30 " " " " 5.3

0+30

0+13 " " " 4.8

0+15 " " " = S.L. Church 4.8

0+35 E

0+13 N of N.L. "E" st 4.7

0+15 " " " " = S.L. Church 4.7

0+45 E

0+13 " " " " 4.5

0+15 " " " " = S.L. Church 4.5

0+75

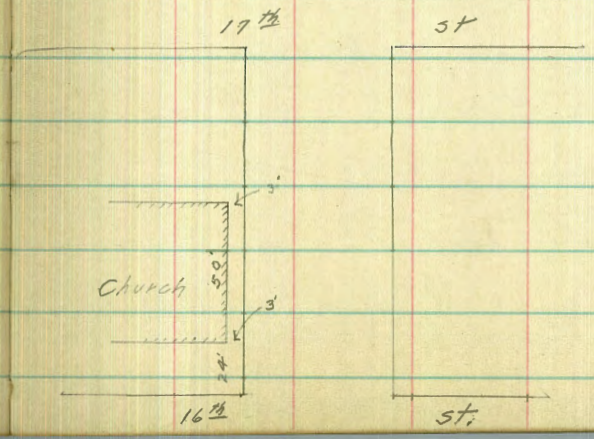
0+13 " " " 3.5

0+30 " " " 4.0

1+0 E of 16th st.

0+15 " " " 0.1

0+30 " " " 1.3



Hatch 27 Pierce 10 Thomas	Profile on C of alley in Blk 8 of Kimball's Mdt.				
BM	206	148.47		146.413	NW 24th G
0+00 = Eh. 24th St.			10.7	137.8	
+25			8.4	140.1	
+50			7.0	141.5	
1			4.8	143.7	
+50			2.9	145.6	
T.P.	1296	161.20	0.23	148.24	
2			12.6	148.6	
+50			10.4	150.8	
3			8.9	152.3	
+50			7.5	153.7	
4			5.4	155.8	
+50			2.8	158.4	
5			0.7	160.5	
T.P.	7.61	168.59	0.22	160.98	
+50			3.55	163.1	
+75			4.4	164.2	
6			4.4	164.2	
BM 25th H			11.65	156.94	

Cross-Section of a 20' strip across 'E' St in 15th ctr of strip being 15' E of Ctr line of 15th St

3/15/10 Davis, William, Churchman

	518	48.42		43.24	BM NW 15th E
		35' No. of No line "E"			
W			0.1	48.3	
+2			1.0	47.4	
C			8.0	40.4	
+2			9.5	38.9	
E			9.2	39.2	
		25' No of E			
E			10.1	38.3	
C			8.5	39.9	
W			1.5	46.9	
		10' No. of E			
W			5.5	42.9	
C			9.1	39.3	
+5			10.0	38.4	
E			9.3	39.1	

No line E St
48.42

E	9.4	39.8
C	8.5	39.8
W	8.5	39.9

No Ct

W	8.4	40.0
C	9.0	39.4
E	8.6	39.8

No 4

E	8.7	39.7
C	9.4	39.0
W	8.8	39.6

Ctr "E" St

W	9.3	39.1
C	9.6	38.8
E	10.2	38.2

So 4
48.42

E	10.5	37.9
+8	10.3	38.1
C	9.6	38.8
W	9.4	41.0

So Ct.

W	7.1	41.3
+4	9.7	38.7
C	9.6	38.8
+2	10.4	38.0
E	10.5	37.9

So line "E"

E	10.7	37.7
+8	10.3	38.1
C	9.7	38.7
+2	10.2	38.2
+7	9.7	38.7
W	7.2	41.2

20' S. of Saline "E"
48.47

W	8.2	40.2
+5	10.5	37.9
+8	10.5	37.9
C	9.8	38.6
+2	10.5	37.9
E	11.0	37.4
30' S.		
E	10.6	37.8
O	9.9	38.5
+2	10.8	37.6
+6	10.5	37.9
W	8.0	40.4

X sect. E street 23rd to 25th

	H.I.	Rod	Elev.
Sta.	11.93	169.35	157.42
East line 23rd			
no. gutter		11.3	158.0
1/4		10.9	158.4
C		10.4	158.9
1/4		10.6	158.7
So. gutter		10.8	158.5
50' East			
So. gutter		7.4	161.9
1/4		7.2	162.1
C		6.8	162.5
1/4		7.2	162.1
No. gutter		7.8	161.5

April 11/10 Phillips Barnes Tayler

169.35

100' East

no. gutter	cement	3.8	165.5
1/4		3.3	166.0
C		3.1	166.2
1/4		3.4	165.9
So. gutter		3.7	165.6
150' E (west line 24th)			
11.62	180.38	0.69	168.76
So. gutter		11.20	169.2
1/4		11.0	169.4
C		10.6	169.8
1/4		10.8	169.6
no. gutter	cement.	11.1	169.3

180,38

West CB.

No. line (gutter)	10.7	169.7
No. gutter	10.6	169.8
1/4	10.3	170.1
Center	10.2	170.2
1/4	10.4	170.0
So. gutter	10.8	169.6
So. line (gutter)	11.1	169.3
West 1/4		
Soline	10.5	169.9
gutter	10.2	170.2
1/4	10.0	170.4
C	9.9	170.5
1/4	9.9	170.5
gutter	9.8	170.6
no. line	9.6	170.8

180,38

Center 24th

no line	9.2	171.2
gutter	9.5	170.9
1/4	9.5	170.9
C	9.8	170.6
1/4	9.8	170.6
gutter	9.9	170.5
so line	10.1	170.3
East 1/4		
so. line	9.9	170.5
gutter	9.6	170.8
1/4	9.5	170.9
C	9.4	171.0
1/4	9.2	171.2
gutter	9.3	171.1
no line	9.0	171.4

180,38

East cb.

So. line (gutter)	9.8	170.6
gutter	9.6	170.8
1/4	9.4	171.0
Center	9.2	171.2
1/4	9.0	171.4
gutter	9.1	171.3
No. line (gutter)	9.0	171.4

East line 24th ✕

so. gutter	9.2	171.2
1/4	9.3	171.1
C	8.9	171.5
1/4	8.8	171.6
no gutter	8.8	171.6

50' East

no. gutter	7.1	173.3
1/4	7.0	173.4
C	7.3	173.1
1/4	7.1	173.3
So gutter	7.3	173.1

100' East

So. gutter	5.1	175.3
1/4	4.8	175.6
C	5.1	175.3
1/4	4.9	175.5
gutter	5.1	175.3

180.38

150' East.

no. line	2.0	178.4
No. CB.	2.6	177.8
gutter	3.8	176.9
1/4	2.9	177.5
C	2.8	177.6
1/4	2.6	177.8
gutter	3.3	177.1
So. CB.	2.7	177.7
So. line	2.5	177.9

200' East

So. gutter	1.0	179.4
1/4	1.1	179.3
C	0.8	179.6
1/4	1.1	179.3
gutter	1.3	179.1
No. CB.	0.7	179.7

188.29

250' East

No. CB	7.5	180.8
No gutter	8.1	180.2
1/4	7.7	180.6
C	7.5	180.8
1/4	7.9	180.4
No gutter	8.0	180.3

300' East

So gutter	6.7	181.6
1/4	6.7	181.6
C	6.4	181.9
1/4	6.5	181.8
So gutter	6.8	181.5

188.29

350' East

No. gutter	6.0	182.3
1/4	5.6	182.7
C	5.5	182.8
1/4	5.6	182.7
Do gutter	6.1	182.2
Do. CB.	5.9	182.4
Do. line	5.3	183.0

400' East

Do line	4.4	183.9
Do. CB.	4.7	183.6
gutter	5.1	183.2
1/4	4.5	183.8
C	4.5	183.8
1/4	4.7	183.6
No. gutter	5.1	183.2

450' East

No. gutter	4.1	184.2
1/4	3.9	184.4
C	3.7	184.6
1/4	3.9	184.4
gutter	4.3	184.0
Do. CB.	3.7	184.6
Do. line	3.7	184.6

500' East

Do gutter	4.1	184.2
1/4	3.9	184.4
C	3.6	184.7
1/4	3.6	184.7
No. gutter	3.8	184.5

1898.29

550' East.

no. gutter	3.9	184.4
¼	4.1	184.2
c	3.9	184.4
¼	4.2	184.1
Do. gutter	4.3	184.0

600' East (west line of lot)

so. gutter	4.7	183.6
¼	4.5	183.8
c	4.2	184.1
¼	4.2	184.1
no. gutter	4.0	184.3

Staked out 32nd street
F street both sides for street

Sta.

0+00 So. line C west side
32nd
+50
1+00
+50
2+00
+50
3+00 No. line D.
+80
0+00 So. line D
+50
1+00
+50
2+00
+50
3+00 no. line E.

from C street to
department, may 17/10 { Childs
Barber
Taylor

78

Sta.

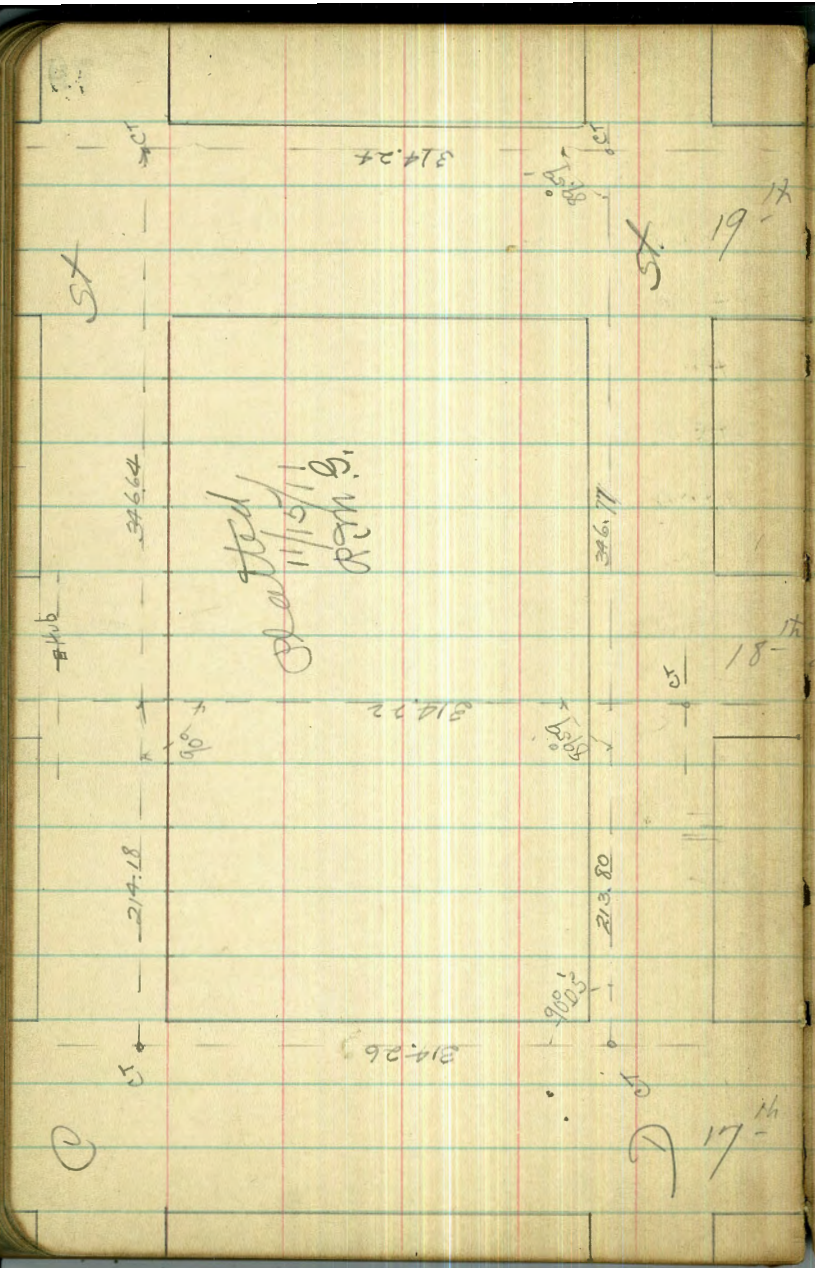
0+00 So. line E
+75
1+00
2+00
+55
3+00 no. line F

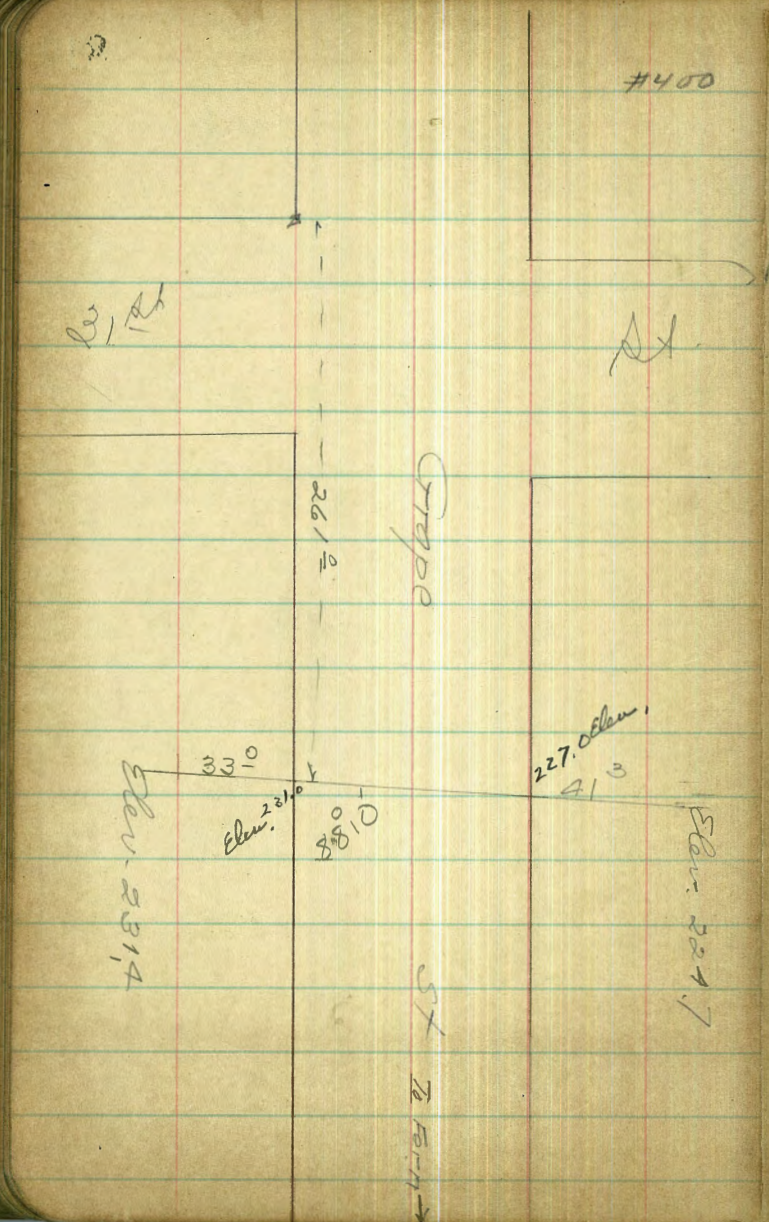
Contd. from page 78

Sta.	
0+00	No. line C on East line 32nd.
+50	
1+00	
+50	
2+00	
+50	
3+00	No. line D
0+00	No. line D
+50	
1+00	
+50	
2+00	
+50	
3+00	No. line E

Sta.	
0+00.	No. line E
1+00	
+40	
2+30	
3+00	No. line F

11/10/11 Halch Moore Hall Survey for Opening of 18th St. C to D.





Culvert measurement on Grape Street between 31st and Fern Sts,

1/4 Hatch
4/12 Moore
12 Hall

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		¼ DEGREE.		½ DEGREE.		¼ DEGREE.		