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400 LEVEL

F.B. 447

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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	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

447

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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

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1/8/09 {Clough, Colbath, Nordie}

X Section of Xenophon from Bay to W. Line of Rosaville

B.M. 188	10.96		6.08	NW Cor Young & Scott
	W Line Scott St			
N.L.		9.3	1.7	
C		9.5	1.5	
½		10.2	0.8	
C		11.6	−0.6	
½		13.3	−2.3	
C		13.6	−2.6	
S.L.		14.0	−3.0	
	50' W Scott St			
S.L.		8.0	3.0	X
C		8.0	3.0	
¼		7.9	3.1	
C		7.8	3.2	
¼		7.5	3.5	
C		7.3	3.7	
N.L.		7.0	4.0	

10.96

100' W. Scott St

N.L.	4.8	6.2
C	4.7	6.3
¼	4.4	6.6
½	5.3	5.7
¼	5.0	6.0
C	6.2	4.8
S.L.	5.1	5.9

150' W. Scott St

S.L.	3.3	7.7
C	3.4	7.6
¼	3.4	7.6
½	3.4	7.6
¼	3.3	7.7
C	3.2	7.8
~~N.L.~~	3.1	7.9
	11.52 22.33 0.15	10.51

22.33

200' W. Scott St

N.L.	11.1	11.2
C	11.3	11.0
¼	11.3	11.1
½	11.2	11.1
¼	11.6	10.7
C	12.7	10.3
S.L.	12.5	9.8

250' W. Scott St.

S.L.	10.6	11.7
C	10.1	12.2
¼	9.5	12.8
½	8.6	13.7
¼	8.0	14.3
C	7.3	15.0
N.L.	7.1	15.2

22.33

(70') Graded.

300' W. Scott = E. L. Rosecrans

N.L.			19	18.4	
C			5.2	17.1	
¼			6.0	16.3	
℄			6.0	16.3	
¼			6.7	15.6	
C			6.8	15.5	
S.L.			7.1	15.2	

W. Line Rosecrans St.

S.L.			1.4	20.9	—
C			1.4	20.9	21.1
¼			1.0	21.3	21.3
℄			0.9	21.4	—
¼			0.6	21.7	21.6
C			0.0	22.3	21.9
N.L. T.R.	12.27	34.56	+0.5 / 0.04	22.8 / 22.24	—

34.56

Xenophon

50' W. Rosecrans St.

N.L.			8.5	26.1	—
C			8.5	26.1	26.1
¼			8.4	26.2	26.1
℄			8.7	25.9	—
¼			8.7	25.9	25.9
C			9.0	25.6	25.8
S.L.			9.2	25.4	—

100' W. Rosecrans

S.L.			3.8	30.8	—
C			3.2	31.4	31.4
¼			3.3	31.3	31.2
℄			3.7	30.9	—
¼			3.6	31.0	31.0
C			3.4	31.2	31.1
N.L. T.R.	12.30	46.77	3.3 / 0.09	31.3 / 34.47	—

46.77

150' W. Rosecrans St

N.L.			8.8	36.0	—
c			8.8	36.0	36.2
1/4			8.5	36.3	37.3
℄			9.0	37.8	—
1/4			8.9	37.9	37.9
c			9.0	37.8	37.8
S.L.			9.4	37.4	—

175' W. Rosecrans St

S.L.			5.1	41.7	—
c			5.1	41.7	41.7
1/4			5.2	41.6	41.9
℄			4.4	42.4	—
1/4			3.9	42.9	42.8
c			4.5	42.3	42.7
N.L.			4.5	42.3	—
	12.79	58.95	0.61	46.16	

58.95 Xenephon

200' W. Rosecrans St

N.L.			7.7	51.2	—
c			7.6	51.3	51.1
1/4			7.9	51.0	50.6
℄			9.1	49.8	—
1/4			10.8	48.1	48.6
c			10.2	48.7	48.3
S.L.			9.2	48.7	—
T.P.	12.95	71.64	0.26	58.69	

250' W. Rosecrans

S.L.			11.1	60.5	—
c			12.5	59.1	X 58.5
1/4			13.5	58.1	58.6
℄			11.9	59.7	—
1/4			10.4	61.2	60.7
c			10.1	61.5	61.3
N.L.			10.0	61.6	—

7.64

300' W. Pasadena-E. Locust

N.L.			0.0	71.6	—
C			0.3	71.3	70.9
¼			0.9	70.7	70.4
½			1.8	69.8	—
¾			2.5	69.1	69.4
C			2.0	69.6	69.3
S.L.			0.2	71.4	—
T.R.	12.78	84.42	0.0	71.64	
	12.67	96.96	0.13	84.29	

W. Line Locust-E.

S.L.		96.96	11.04	85.92	—
C			11.5	85.5	85.2
¼			11.9	85.1	85.4
½			10.9	86.1	—
¾			10.1	86.9	86.7
C			9.8	87.2	87.0
N.L.			9.5	87.5	—
T.R.	12.73	108.99	0.70	96.26	

108.99

Xenophon

50' W. Locust-E.

N.L.			11.3	97.7	—
C			11.2	97.8	97.6
¼			11.5	97.5	97.1
½			12.6	96.4	—
¾			13.1	95.9	96.0
C			12.8	96.2	96.0
S.L.			12.0	97.0	—

100' W. Locust-E.

S.L.			1.9	107.1	—
C			2.6	106.4	106.4
¼			2.7	106.3	106.4
½			2.4	106.6	—
¾			1.9	107.1	106.8
C			1.7	107.3	107.2
N.L.			1.6	107.4	—
T.R.	12.52	121.34	0.17	108.82	

121.34

150' W. Locust St

NL		6.2	115.1	—
C		6.1	115.2	115.1
¼		6.3	113.0	115.0
℄		6.1	114.9	—
¼		6.1	114.9	114.9
C		5.9	115.4	115.1
DL		5.8	115.5	—
T.P.	121.16	0.08	121.26	

133.72

200' W. Locust St

SL		11.5	122.2	—
C		11.4	122.3	122.2
¼		11.6	122.1	122.0
℄		11.8	121.9	—
¼		11.7	122.0	122.0
C		12.2	121.5	121.8
NL		12.1	121.3	—

133.72

Xenophon

250' W. Locust St

NL		6.1	127.6	—
C		5.9	127.8	128.2
¼		5.7	128.4	128.4
℄		5.9	128.3	—
¼		5.1	128.6	128.5
C		5.9	128.7	128.7
SL		4.7	129.0	—
T.P.	124.1	0.15	133.37	

146.01

300' W. Locust St - E. Elm St

SL	11.2	134.8	—
C	11.3	134.7	134.7
¼	11.1	134.6	134.5
℄	11.8	134.2	—
¼	12.1	133.9	134.0
C	12.6	133.4	133.7
NL	12.4	134.9	—

146-01

W Line. Elm St

NL		6.7	139.3	—
e		5.8	140.2	140.6
¼		5.3	140.7	140.9
♂		4.8	141.2	—
¼		4.8	141.2	141.2
e		4.3	141.7	141.7
SL		4.0	142.0	—
T.B.	12.95	138.92	6.07	145.97

50' W Elm St

SL		12.0	146.9	—
e		12.3	146.6	146.2
¼		12.9	146.0	145.9
♂		13.3	145.6	—
¼		14.0	144.9	145.2
e		14.4	144.5	144.8
NL		15.6	143.4	—

158.92 Xenophon

100' W Elm St

NL	12.0	146.9	—
e	11.2	147.5	147.9
¼	10.7	148.2	148.5
♂	9.7	149.2	—
¼	9.3	149.6	149.5
e	9.0	149.9	149.7
SL	8.5	150.4	—

150' W Elm St

SL	5.5	153.4	—
e	6.1	152.8	152.4
¼	6.6	152.3	152.0
♂	7.4	151.5	—
¼	8.0	150.9	151.1
e	9.0	149.9	150.6
NL	10.0	148.9	—

158.92

200' N Elm St

N L			8.6	150.3	—
c			7.7	151.2	151.8
1/4			6.8	152.1	152.6
℄			5.3	153.6	—
1/4			3.9	155.0	154.6
c			3.2	155.7	155.2
S L			2.9	156.0	—

250' W Elm St

S L			2.5	156.4	—
c			2.9	156.0	155.7
1/4			3.3	155.6	155.4
℄			3.9	155.0	—
1/4			4.9	154.0	154.3
c			6.2	152.7	153.6
N L			7.1	151.8	—

158.92

Xenophon

7

300' W. Elm = E L Willow St (70')

N L			5.9	153.0	—	
c			5.4	153.5	154.5	
1/4			4.0	154.9	155.2	
℄			3.1	155.8	—	
1/4			2.8	156.1	156.0	
c			2.4	156.8	156.3	
S L			1.7	157.2	—	
T.P.	10.92	168.18	1.66	157.26		
	W S of		Willow St			
S L			8.7	159.5	Is	Should be
℄		157.9	9.5	158.7	10	18
1/4		157.1	10.7	157.5	22	26
℄		156.3	11.9	156.3	35	35
1/4		156.1	12.1	156.1	47½	45½
℄		155.9	12.6	155.6	60	52
N L				156.1	70	70

1684

50' W of Willow St

NL	12.9	155.3	—
C	11.5	156.7	157.1
¼	10.1	158.1 (⅔)	158.5 (⅓)
D	8.7	159.5	—
¼	7.2	161.0 (⅔)	160.5 (⅓)
C	6.3	161.9	161.3
SL	5.1	162.8	—

100' W. Willow St

SL	3.8	164.4	—
C	4.4	163.8	163.2
¼	5.3	162.9	162.5
D	6.6	161.6	—
¼	8.1	159.8	160.4
C	9.5	158.7	159.4
NL	10.2	158.0	—

1684 Xanaphon

150' W. W. Willow St

NL	10.4	157.8	—
C	8.8	159.4	160.4
¼	7.8	160.9	161.4
D	5.9	162.3	—
¼	4.8	163.4	163.1
C	3.7	164.5	163.8
SL	2.0	165.3	—

200' W. Willow St

SL	4.2	164.0	—
C	5.1	163.1	162.5
¼	6.0	162.2	161.7
D	7.2	160.8	—
¼	8.8	159.4	159.9
C	9.7	158.5	159.1
NL	10.6	157.6	—

168.18

250' W. Willow St

N.L.			11.1	157.1	—
c			10.4	157.8	158.4
1/4			9.5	158.8	159.2
℄			8.1	160.1	—
1/4			7.0	161.2	160.8
c			6.3	161.9	161.4
S.L.			5.2	163.0	—

300' W. Willow - E.L. Plum St

S.L.			4.8	163.4	—
c			5.5	162.7	162.1
1/4			6.5	161.7	160.7
℄			8.0	160.2	—
1/4			9.1	159.1	159.5
℄			9.7	158.5	158.9
N.L.			9.9	158.3	—

168.18 Xanephon

9

W. Line Plum St

N.L.			8.0	160.2	—
c			6.2	162.0	161.8
1/4			6.5	161.7	161.8
℄			6.1	162.1	—
1/4			5.0	163.2	162.9
c			3.7	164.5	163.6
S.L.			2.9	165.3	—
7.9	10.72	175.96	2.94	165.24	

50' W. Plum St

S.L.			10.0	166.0	—
c			10.8	165.2	164.2
1/4			12.2	163.8	163.5
℄			13.2	162.8	—
1/4			13.8	162.2	162.4
c			14.6	161.4	161.9
N.L.			15.0	161.0	—

17596

100 W. Plum St

NL		13.9	162.1	—
C		13.0	163.0	163.7
¼		12.0	164.0	164.3
℄		11.2	164.8	—
¼		10.3	165.7	165.4
C		9.4	166.6	166.0
SL		8.8	167.2	—

150 W. Plum St

SL		8.6	167.4	—
C		9.3	166.7	166.3
¼		9.9	166.1	165.9
℄		10.6	165.4	—
¼		11.1	164.9	165.0
C		12.0	164.0	164.6
NL		12.4	163.6	—

17596 Xenophon

200 W. Plum St

NL		10.5	165.5	—
C		10.1	165.9	166.2
¼		9.7	166.3	166.5
℄		9.0	167.0	—
¼		8.3	167.7	167.5
C		7.8	168.2	167.9
SL		7.1	168.9	—

250 W Plum St

SL		4.2	171.8	—
C		4.8	171.2	170.3
¼		6.1	169.9	169.6
℄		7.0	169.0	—
¼		7.4	168.6	168.7
C		7.9	168.1	168.4
NL		8.4	167.6	—

175.96

300' W Plum - EL Clove St

NL			4.7	171.3	—
C			5.0	171.0	171.2
H			4.5	171.5	171.8
Q			3.7	172.3	—
H			2.8	173.1	172.9
C			2.1	173.9	173.4
SL			1.4	174.6	—

T.R. 12.08 188.04 0.0 175.96

W Line Clove St

SL			6.5	181.5	—
C			7.5	180.5	179.2
H			8.5	178.5	178.7
Q			9.0	179.0	—
H			10.0	178.0	178.3
C			11.4	176.6	177.5
NL			11.8	176.2	—

188.04

Telephon

50' W Clove St

NL			8.3	179.7	—
C			7.6	180.4	181.0
H			6.7	181.3	181.6
Q			5.7	182.3	—
H			5.1	182.9	182.7
C			4.2	183.8	183.2
SL			3.9	184.1	—

100' W. Clove St

SL			3.1	184.9	—
C			3.6	184.4	184.1
H			4.0	184.0	183.9
Q			4.4	183.6	—
H			5.4	182.6	182.9
C			6.3	181.7	182.3
NL			6.3	181.7	—

188.04

150' W. Clove St.

N.L.	7.5	180.5	—
C	6.5	181.3	181.9
1/4	5.8	182.2	182.4
Q	5.2	182.8	—
1/4	4.8	183.2	183.1
C	4.3	183.7	183.4
S.L.	3.8	184.2	—

200' W. Clove St.

S.L.	7.0	181.0	—
C	7.3	180.7	180.4
1/4	7.7	180.3	180.3
Q	7.8	180.2	—
1/4	7.9	180.1	180.1
C	7.8	180.2	180.2
N.L.	7.8	180.2	—

188.04 Kenephon.

227.6' W Clove St

N.L.	7.6	180.4	—
C	7.6	180.4	180.3
1/4	7.8	180.2	180.0
Q	8.5	179.5	—
1/4	8.7	179.3	179.4
C	8.8	179.2	179.2
S.L.	8.8	179.1	—

1/11/09 {Clough, Colbath, Wordie}

X section Younge from Bay to

W. Line Roseville

B.M.	5.70	11.78		6.08	N.W. Hub Young 7 500 ft
150' E Scott St					
N.L.			14.3	-2.5	
c			14.7	-2.9	
1/4			15.2	-3.4	
℄			15.7	-3.9	
1/4			16.0	-4.2	
c			16.0	-4.2	
S.L.			16.3	-4.5	
100' E Scott St					
S.L.			14.5	-2.7	
c		X	14.4	-2.6	
1/4			14.0	-2.2	
℄			12.8	-1.0	
1/4			11.7	0.1	
c			11.7	0.1	
N.L.			11.1	0.7	

11.78 Younge

50' W Scott St

N.L.			9.7	2.1	
c			10.0	1.8	
1/4			10.2	1.6	
℄			10.6	1.2	
1/4			10.7	1.1	
c			11.0	0.8	
S.L.			11.1	0.7	
E Line Scott St					
S.L.			9.4	2.4	
c			9.3	2.5	X
1/4			9.4	2.4	
℄			8.9	2.9	
1/4			8.5	3.3	
c			8.4	3.4	
N.L.			8.1	3.7	

11.98

N Line Scott St

N.L.	5.7	6.1
c	5.9	5.9
¼	6.3	5.5
¢	6.8	5.0
¼	7.3	4.5
c	7.7	4.1
S.L.	7.5	4.3

50' W. Scott St

S.L.	5.2	6.6
c	6.0	5.8
¼	5.8	6.0
¢	5.4	6.4
¼	5.0	6.8
c	4.8	7.0
N.L.	4.6	7.2

11.75

100' W. Scott St

N.L.	2.6	9.2
c	2.7	9.1
¼	3.0	8.8
¢	3.0	8.8
¼	3.1	8.7
c	3.7	8.1
S.L.	2.9	8.9

150' W. Scott St

S.L.	1.4	10.4
c	1.6	10.2
¼	1.5	10.3
¢	1.6	10.2
¼	1.5	10.3
c	1.5	10.3
N.L.	0.6	10.2
T.D.	12.08	23.91	0.05	11.73

Youngs

23.91

200' W. Scott St

N.L.			9.5	14.4
c			10.4	13.5
1/4			10.6	13.3
℄			10.4	13.5
1/4			10.4	13.5
c			10.1	13.8
S.L.			8.5	15.4

250' W. Scott St

S.L.			4.8	19.1
c			5.3	18.6
1/4			6.5	17.4
℄			6.7	17.2
1/4			6.2	17.7
c			5.9	18.0
N.L.			4.6	19.3

23.91 Younga

300' W. Scott = S. Line Rosecrans

N.L.			2.5	21.4
c			2.7	21.2
1/4			3.2	20.7
℄			3.1	20.8
1/4			3.4	20.5
c			2.8	21.1
S.L.			2.5	21.4
T.P.	12.37	36.23	0.05	23.86

W. Line Rosecrans St

S.L.			9.7	26.5
c			9.5	26.7
1/4			9.3	26.9
℄			9.4	26.8
1/4			9.3	26.9
c			9.5	26.7
N.L.			9.4	26.8

36.23

50' W Rosecrans St

N.L.			5.8	30.4
c			5.9	30.3
1/4			5.8	30.4
℄			5.7	30.5
1/4			5.7	30.5
c			6.2	30.0
S.L.			6.6	29.6

100' W Rosecrans

S.L.			3.2	33.0
c			2.5	33.7
1/4			1.8	34.4
℄			2.0	34.2
1/4			2.0	34.2
c			1.8	34.4
N.L.			1.7	34.5
T.P.	12.58	48.57	0.24	35.99

48.57 Younge

150' W Rosecrans St

N.L.			8.9	39.7
c			9.1	39.5
1/4			9.5	39.1
℄			10.1	38.5
1/4			10.1	38.5
c			10.9	37.7
S.L.			11.9	36.7

175' W Rosecrans St

S.L.			5.9	42.7
c			6.3	42.3
1/4			7.3	41.3
℄			7.8	40.8

200' W. Rosecrans St

N.L.		61.21	9.6	51.6
C.P.	12.64	61.21	11.0	50.2
			0.0	48.3
1/4		48.57	0.2	48.4
℄			2.3	46.3
1/4			3.8	44.8
C			5.7	42.9
S.L.			8.9	39.7

350' W. Rosecrans

S.L.		48.57	6.5	42.1
C			3.7	44.9
1/4			0.3	48.3
℄		61.21	9.1	52.1
1/4			5.6	55.6
C			3.8	57.4
N.L.			2.4	58.8

Young

300' W. Rosecrans - E.L. Locust

N.L.	72.96	9.1	63.9
C	61.21	0.7	60.5
1/4		4.7	64.5
℄		8.6	52.6
1/4		12.0	49.2
C		14.6	46.6
T.S.	48.57	8.0	40.6
S.L.		3.6	45.0

W. Line Locust St

S.L.	61.21	0.0	61.2
C		4.1	56.8
1/4		9.6	51.6
T.S.		13.6	47.6
℄		9.2	52.0
1/4		4.7	56.5
C		0.0	61.2
N.L.	72.96	7.7	65.3

Youngs

50' W Locust St				
NL		72.96	3.7	69.3
C			8.5	64.5
¼			13.4	59.6
℄ T.P.	12.33	61.21 72.96	9.8 6.58	51.4 6.0 6.3
¼		72.96	16.0	57.0
C			9.0	64.0
SL			3.4	69.6
100' W Locust St				
SL		85.42	11.1	74.3
C		72.96	3.3	69.7
¼			11.0	62.0
℄ 7.6'			13.3 15.2	59.7 57.8
¼			12.5	60.5
C			5.9	67.1
NL			1.4	71.6

150' W Locust St				
NL		72.96	1.5	74.5
C			5.4	69.6
¼			8.2	64.8
7.10'			13.0	60.0
℄			12.2	60.8
¼			8.6	64.4
C T.P.	12.30	13.42	0.9 0.67	73.0 72.92
SL			6.3	79.1
200' W Locust St				
SL		85.42	6.0	79.4
C			11.2	74.2
¼ 6'			18.2 20.0	67.2 65.4
℄			15.9	69.5
¼			13.3	72.1
a			8.1	77.3
NL			9.0	81.4

250' W. Locust St

N.L.		85.27	+2.5	87.9
C			1.6	83.8
1/4			7.5	77.9
L			12.0	73.4
1/4			15.7	69.7
C			9.7	75.7
S.L.			4.9	80.5

300' W Locust - E Line Elm St

S.L.			+1.8	86.4
C			4.2	81.2
+5'			9.9	75.5
1/4			9.5	75.9
L			4.5	80.9
T.P.	10.11	95.27	0.26	85.16
1/4			7.9	88.4
C			3.9	91.4
N.L.			0.0	95.3

W Line Elm St

N.L.		107.71	2.91	104.80
C			7.4	100.3
1/4		95.27	1.0	94.3
L			5.3	90.0
1/4			12.0	83.3
+5			13.8	81.5
C			12.5	82.8
S.L.			8.9	86.4

50' W. Elm St

S.L.		95.27	2.3	93.0
C			5.7	89.6
1/4			11.0	84.3
L			4.1	91.2
T.P.	12.87	107.71	0.44	94.83
1/4			9.8	97.9
C			9.7	104.0
N.L.			+2.0	109.7

Younge

100' W. Elm St

N.L.		119.88	5.8	114.1
C			9.9	110.6
¼		107.71	3.6	104.1
℄			8.0	99.7
¼			14.3	93.4
T ½'			20.0	87.7
C			14.2	93.5
S.L.			9.1	98.6

150' W. Elm St

S.L.		107.71	11.9	95.8
C			8.9	98.8
¼			9.1	103.6
T.D.	12.94	119.88	0.77	106.92
℄			14.6	108.3
¼			6.7	113.2
C			3.4	116.5
N.L.			0.0	119.9

200' W. Elm St

N.L.		132.25	6.5	126.8
C			9.0	123.3
¼		119.88	0.6	119.3
℄			4.3	115.6
¼			6.3	113.6
C			11.5	108.1
S.L.			16.5	103.4

250' W. Elm St

S.L.		119.88	9.3	110.6
C			6.5	113.4
¼			2.8	119.66
T.D.	12.39	132.25	0.22	
℄			11.6	120.7
¼			8.8	123.9
C			3.6	128.7
N.L.			2.0	130.3

300' W. Elm = E. Line Willow St

N.L.		144.86	10.6	134.3
C		132.25	0.9	131.4
1/4			5.0	127.3
2/4			8.0	124.3
1/4			9.9	122.4
C			13.5	118.8
S.L.			15.7	116.6

W. Line Willow St

S.L.			9.0	123.3
C			6.6	125.7
1/4			3.8	128.5
2/4			1.6	130.7
P.P.	12.71	144.84	0.10	132.15
1/4			11.0	133.9
C			7.9	137.0
N.L.			5.3	139.6

50' W. Willow St

N.L.		144.86	3.1	141.8
C			5.7	139.2
1/4			8.8	136.1
2/4			11.2	133.7
1/4			14.0	130.9
C			16.5	128.4
S.L.			15.8	129.1

80' W. Willow St

S.L.			9.2	135.6
C			12.9	132.0

100' W. Willow St

S.L.			7.7	137.2
C			11.2	133.7
1/4			10.71	134.2
2/4			8.7	136.2
1/4			5.8	139.1
C			1.7	143.2
N.L.			10.5	134.7

	125' W W. Willow St.			
N.L.		144.86	+0.6	145.5
C			1.4	143.5
1/4			3.5	141.4
Q			6.10	138.9
1/4			8.2	136.7
C			9.5	135.4
S.L.			9.6	135.3
	150' W. W. Willow St			
S.L.			6.1	138.8
C			5.8	139.1
1/4			5.1	139.8
Q			4.5	140.4
1/4			3.7	141.6
C			0.7	144.2
T.P.	12.13	157.28	0.6	144.85
N.L.			10.8	146.5

15728 Young

	200' W. W. Willow St.		
N.L.		2.0	149.3
C		8.4	148.9
1/4		9.0	148.3
Q		9.2	148.1
1/4		9.4	148.9
C		9.8	147.5
S.L.		10.4	146.9
	250' W W. Willow St		
S.L.		6.0	151.3
C		5.5	151.8
1/4		5.5	151.8
Q		5.6	151.7
1/4		5.4	151.9
C		5.4	151.9
N.L.		5.3	152.0

157.28

300' W. Willow & Pine Plum

N.L.			2.5	154.8
C			2.4	154.9
1/4			2.3	155.0
Q			2.1	155.2
1/4			2.3	155.0
C			2.5	154.8
S.L.	9.06	163.93	2.5	154.8
			0.59	156.69

W Pine Plum St

S.L.			7.65	158.20
C			7.5	158.3
1/4			7.0	158.8
Q			7.0	158.8
1/4			6.5	159.3
C			6.8	158.9
N.L.			6.2	159.6

165.75

50' W Plum St

N.L.			3.5	162.0
C			4.1	161.7
1/4			4.6	161.2
Q			5.0	160.8
1/4			5.5	160.3
C			6.1	159.7
S.L.			6.4	159.4
T.R.	3.69	66.54	2.80	162.95

100' W. Plum St

S.L.			5.7	160.8
C			5.6	160.9
1/4			5.1	161.4
Q			4.4	162.1
1/4			4.0	162.5
C			3.7	162.8
N.L.			3.7	162.8

166.54

150' W. Plum St

N.L.	5.0	161.3
C	4.5	162.0
1/4	4.0	162.5
Q	3.5	162.0
1/4	3.8	161.7
C	3.8	161.7
S.L.	4.7	161.8

200' W. Plum St

S.L.	3.6	162.9
C	3.7	162.8
1/4	3.7	162.8
Q	3.5	163.0
1/4	3.5	163.0
C	4.0	162.5
N.L.	4.7	161.8

166.54 Youngs

250 W. Plum St

N.L.	5.1	161.1
C	5.2	161.3
1/4	4.7	161.8
Q	4.1	162.4
1/4	3.6	162.9
C	3.3	163.2
S.L.	3.0	163.5

300' W. Plum - E.L. Clove St

S.L.	4.7	161.8
C	5.2	161.3
1/4	5.8	160.7
Q	6.0	160.5
1/4	6.5	160.0
C	7.0	159.5
N.L.	7.8	158.7

166.54

W Line Clove St

N L		8.41	158.13
C		7.9	158.6
¼		7.3	159.2
Q		6.8	159.7
¼		6.2	160.3
C		5.4	161.1
S L		4.7	161.8

50' W Clove St

S L		3.8	162.7
C		4.6	161.9
¼		5.3	161.2
Q		6.1	160.4
¼		6.7	159.8
C		7.1	159.4
S L		7.4	159.1

166.54

Young

100 W Clove St

N L		6.2	160.3
C		5.4	161.1
¼		4.6	161.9
Q		3.6	162.9
¼		3.1	163.4
C		2.3	164.2
S L		1.7	164.8
T.R	5.67	171.33	6.63 165.91

150' W. Clove St

S L		1.4	167.2
C		5.8	165.8
¼		6.8	164.8
Q		7.7	163.9
¼		8.6	163.0
C		8.8	162.8
N L		9.1	162.5

171.55

200' W. Clove St.

N.L.	8.2	163.4
C	7.3	164.3
½	6.4	165.2
Q	5.8	165.8
½	5.3	166.3
C	4.7	166.9
S.L.	3.8	167.8

W Line Roseville

227' W. Clove = Pueblo Line.

S.L.	3.5	168.1
C	4.0	167.6
½	5.0	166.6
Q	6.0	165.6
½	6.4	165.2
C	7.0	164.6
N.L.	7.5	164.1

1/12/09 Xsections School grounds at 2d Univ (for estimate of fill made by Nelson)

BM	505	283.56		278.51	
	95' N of Univ				
Line			5.0	278.6	
30' W			4.6	279.0	
	100' N				
Line			4.9	278.7	
30' W			4.6	279.0	
	115' N				
Line			4.9	278.7	
25'			4.6	279.0	
50'			4.6	279.0	
	118' N				
Line			4.8	278.8	
25'			4.6	279.0	
50'			4.6	279.0	

		283.56		
	125' N			
Line			4.9	278.7
25'			4.6	279.0
50'			4.6	279.0
60'			4.6	279.0
	130' N			
Line			4.8	278.8
25			4.5	279.1
50			4.7	278.9
65			4.8	278.8
	150' N			
Line			4.7	278.9
25'			4.5	279.1
50'			4.6	279.0
80'			5.1	278.5

	162 N	
Line	4.6	279.0
25'	4.4	279.2
50	4.7	278.9
72'	8.0	275.6
96	5.4	278.2
	175 N	
Line	4.6	279.0
25'	4.4	279.2
40'	4.0	279.6
67'	14.0	269.6
79	13.5	270.1
97	5.5	278.1
	190 N	
Line	4.6	279.0
28'	4.1	279.5

	283.56	
	200 N	
Line	4.5	279.1
21	4.3	279.3
	225 N	
Line	4.3	279.3
15	4.7	278.9
	260 N	
Line	3.7	279.9
18 original ground	4.4	279.2
32	5.5	278.1
38 Top of slope	8.6	275.0
021 271.27	12.50	271.0
	190 N	
65	11.3	260.0
72'	12.8	258.5

	271.27		
	200'		
61		13.0	258.3
67		14,3	257.0
	225' N		
29	tri of eloge	2,8	268,5

X

Clough Colbert Wardie	Crossection of Zouch St (70') Rosecrans to W L of Roseville				
1/15 09					
	12.31	36.76		24.45	Monument Zouch
	W Line of Rosecrans St				
nL			4.9	31.9	
bb			4.9	31.9	
y			5.3	31.5	
b			5.8	31.0	
y			5.3	31.5	
bb			4.9	31.9	
SL			4.6	32.2	
	50'	w of	Rosecrans		
SL			+0.3	37.1	
bb			0.0	36.8	
y			0.4	36.4	
b			0.7	36.1	
y			0.6	36.2	
bb			0.0	36.8	
nL			0.0	36.8	
TP	12.42	49.15	0.03	36.73	

POSTED

		49.15			Zouch
	100'	w of	Rosecrans		
nL			4.1	45.1	
bb			4.6	44.6	
y			5.7	43.5	
b			6.0	43.2	
y			5.7	43.5	
bb			6.0	43.2	
SL			6.2	43.0	
TP	12.47	61.06	0.56	48.59	
	150'	w of	Rosecrans		
SL			12.0	49.1	
bb			11.0	50.1	
y			10.0	51.1	
b			9.2	51.9	
y			8.7	52.4	
bb			7.0	54.1	
nL			6.6	54.5	

POSTED

		61.06			
	200'	w of	Rasicrans		
NL			0.6	60.5	
bh			1.8	59.3	
y			3.2	57.9	
b			4.2	56.9	
y			4.4	56.7	
bh			4.8	56.3	
SL			4.4	56.7	
TP	12.81	73.83	0.04	61.02	
	250'	w of	Rasicrans		
SL			8.3	~~52.8~~	65.5
bh			8.4	~~52.7~~	65.4
y			8.5	~~52.6~~	65.3
b			8.5	~~52.6~~	65.3
y			8.8	~~52.3~~	65.0
bh			8.6	~~52.5~~	65.2
NL			7.9	53.2	65.9
TP	12.64	86.40	0.07	73.76	

		86.40			Touch
	300'	w = E	Sin of	Locust	(70')
NL			13.1	73.3	
bh			12.9	73.5	
y			12.4	74.0	
b			12.6	74.8	
y			10.9	75.5	
bh			10.5	75.9	
SL			10.2	76.2	
	W Sin	of	Locust		
NL			2.2	84.2	
bh			1.7	84.7	
y			0.5	85.9	
TP	12.55	98.90	0.05	86.35	
b			12.0	86.9	
y			11.2	87.7	
bh			10.0	88.9	
SL			9.02	89.88	

POSTED

98.90

	50'	W of	Locust	
S2			15	97.4
11			2.6	96.3
7			3.5	95.4
6			4.5	94.4
4			5.9	93.0
11			6.3	92.6
N2			6.5	92.4
TP	12.47	110.97	0.43	93.47

	100'	W of	Locust	
N2			11.8	99.1
11			11.5	99.4
4			10.6	100.3
6			9.7	101.2
7			8.3	102.6
11			7.4	103.5
S2			6.7	104.8

110.94

	150'	W of	Locust	
S2			12	109.7
11			2.0	108.9
7			2.7	108.2
6			3.3	107.6
4			4.2	106.7
11			5.4	105.5
N2			5.6	105.3
TP	12.25	122.30	0.17	110.77

	200'	W of	Locust	
N2			12.5	110.5
11			11.9	111.1
4			11.6	111.4
6			10.7	112.3
4			9.9	113.1
11			9.2	113.8
S2			8.9	114.1

Zouch

POS.

		123.02		
	250' w of Locust st			
SL			4.7	118.3
ll			5.1	117.9
y			5.6	117.4
b			6.2	116.8
y			6.7	116.3
ll			7.1	115.9
NL			7.6	115.4
	300' w =		E L of	Elm st (70')
NL			3.0	120.00
ll			2.7	120.3
y			2.2	120.8
b			1.8	121.2
y			1.5	121.5
ll			1.3	121.7
SL			0.8	122.2
TP	12.57	135.32	0.27	122.75

		135.32			Zouch
	W Line of		Elm st		
SL			7.9	127.4	
ll			8.0	127.3	
y			8.3	127.0	
b			8.4	126.9	
y			8.8	126.5	
ll			9.4	125.9	
NL			9.63	125.69	n w
	50' w of		Elm st		
NL			6.3	129.0	
ll			5.6	129.7	
y			5.1	130.2	
b			5.0	130.3	
y			4.4	130.9	
ll			4.2	131.1	
SL			4.0	131.3	

POSTED

	100'	W-E	Elev	T
		13552		
S2			0,5	134,8
4			1,0	134,3
4			1,8	133,5
4			2,1	133,2
4			2,0	133,0
4			2,7	133,6
N2			3,1	132,2
TP	11,43	14654	0,21	135,11
	130'	W-E	Elev	
N2			11,4	135,1
4			10,9	135,6
4			10,7	133,8
4			10,3	136,2
4			10,0	136,5
4			9,6	136,9
S2			9,1	137,4

	200'	W-E	Elev	T
		14654		Touch
S2			7,1	139,4
4			7,7	138,8
4			8,0	138,5
4			8,4	138,1
4			8,6	137,9
4			8,8	137,7
N2	250'	W-E	8,8	137,7
			Elev	T
N2			8,0	138,5
4			7,4	139,1
4			6,9	139,6
4			6,5	140,0
4			6,1	140,4
4			5,5	141,0
S2			5,1	141,4

POSTED

14654

	30'	W of	= E 2	4 Willow (70')
S 2			3.7	142.8
11			4.2	142.3
4			4.9	141.6
1			5.4	141.1
4			5.9	140.6
11			6.6	139.9
N 2			7.4	139.1
	N 2 of Willow			
N 2			6.39	140.15
11			5.4	141.1
4			4.2	142.2
1			3.5	143.2
4			2.4	144.1
11			2.0	1445
S 2			1.6	1449

14654

	5-6	W of	Willow	
S 2			0.4	146.1
11			0.8	145.7
4			1.9	144.6
1			2.8	143.7
4			3.7	142.8
11			5.0	1415
N 2			6.6	139.9
	104	W of	Willow	
N 2			6.5	140.0
11			4.7	141.8
4			3.1	1434
1			2.0	1445
4			0.8	1457
11			0.0	1465
T P	335	14973	0.16	146.38
S 2			2.7	147.0

POSTED

149.73

	150'	w of	Willow	
SL			2.7	147.0
bl			3.7	146.0
"			5.0	145.7
b			6.9	142.8
"			8.2	141.5
bl			9.9	139.8
nL			11.4	138.3
	200'	w of	Willow	
nL			14.0	135.7
bl			12.0	137.7
"			9.6	140.1
b			7.2	142.5
"			6.0	143.7
bl			5.4	144.3
SL			4.3	145.4

149.73 Touch

	250'	w of	Willow	
SL			5.3	144.4
bl			6.8	142.9
"			8.3	141.4
b			9.9	139.8
"			11.8	137.9
bl			13.9	135.8
nL			15.3	134.4
	300'	w =	E L of	Plum (70')
nL			15.0	134.7
bl			13.4	136.3
"			11.3	138.4
b			9.8	139.9
"			8.7	141.0
bl			7.2	142.5
SL			6.0	143.7
TP	1.82	147.50	4.05	145.68

		147.50		
	W line of		Plum st	
SL			1.82	145.68
bl			3.9	143.6
y			5.0	142.5
b			7.3	140.2
y			8.6	138.9
bl			10.0	137.5
nL			11.0	136.5
	50'	w of	Plum	
nL			9.1	138.4
bl			7.7	139.8
y			5.6	141.9
b			2.5	145.0
y			2.2	145.3
bl			1.7	145.8
SL			0.5	147.0

		147.50			Touch
	100'	w of	Plum st		
SL			0.0	147.5	
bl			1.7	145.8	
y			2.9	144.6	
b			3.8	143.7	
y			5.6	141.9	
bl			7.6	139.9	
nL			9.3	138.2	
	150'	w of	Plum st		
nL			10.8	136.7	
bl			8.8	138.7	
y			6.4	141.1	
b			3.6	143.9	
y			1.9	145.6	
bl			0.5	147.0	
TP	188	149.27	0.11	147.39	
SL			1.1	148.2	

POST

		15728		
	50'	w of	Clove	st
SL			5,6	151,7
bl			6,0	151,3
y			6,3	151,0
b			7,1	150,2
y			7,8	149,5
bl			8,8	148,5
NL			9,6	147,7
	100'	w of	Clove	
NL			5,8	151,5
bl			5,3	152,0
y			4,9	152,4
b			4,9	152,4
y			4,7	152,9
bl			4,5	152,8
SL			4,1	153,2

		15728			Zouch
	150'	w of	Clove	st	
SL			2,7	154,6	
bl			3,0	154,3	
y			3,6	153,7	
b			3,0	154,3	
y			4,2	153,1	
bl			5,6	151,7	
NL			6,3	151,0	
	200'	w of	Clove	st	
NL			5,0	152,3	
bl			3,1	154,2	
y			2,0	155,3	
b			1,5	155,8	
y			1,2	156,1	
bl			0,9	156,4	
SL			0,7	156,6	

13-7.24

	224.5	W.L. =	Pueblo Line	
S.L.			0.0	157.3
ll			0.7	156.6
"			1.6	155.7
l			2.3	154.7
4			4.0	153.3
ll			4.0	153.3
N.L.			4.1	153.2

1/18/09 Clough, Corbath, Nordic

Section of Alcott from Bay to W Line Roseville - Pueblo Line

B.M.	4.05	3.63		-0.42	N.W. Hub Broadway Tide
	200' E Shafter St				
N.L.			6.7	-3.1	
c			7.2	-3.6	
1/4			7.7	-4.1	
℄			7.9	-4.3	
1/4			7.8	-4.2	
c			7.8	-4.2	
S.L.			8.0	-4.4	
	150' E Shafter St				
S.L.			6.9	-3.3	
c			7.1	-3.5	
1/4			7.0	-3.4	
℄			6.2	-2.6	
1/4			5.4	-1.8	
c			5.4	-1.8	
N.L.			5.2	-1.6	

POSTED

3.6.9

100 E Shafter St

N L	4.6	−1.0
C	5.0	−1.4
4	5.1	−1.5
D	5.1	−1.5
4	5.2	−1.6
C	5.6	−2.0
S L	5.7	−2.1

50' E Shafter St

S L	5.2	−1.6
C	5.1	−1.5
4	4.7	−1.1
D	4.8	−1.2
4	4.4	−0.8
C	4.0	−0.4
N L	3.9	−0.3

3.6.3

5' E Shafter St

N L	3.2	0.4
C	3.4	0.2
4	3.8	−0.2
D	3.6	0.0
4	4.2	−0.6
C	4.4	−0.8
S L	4.7	−1.1

E Line Shafter St

S L	2.8	0.8
C	3.0	0.6
4	3.0	0.6
D	2.9	0.7
4	3.4	0.4
C	2.6	1.0
N L	2.4	1.2

3,63

W. Line Shafter St

N L			1.8	1.8
C			2.0	1,6
1/4			2.1	1.5
℄			2.3	1,3
1/4			2.8	0,8
C			2.5	1,1
S L			2.3	1,3
	5.26	7.17	1.72	1.91

50' W. Shafter St

S L			5.7	1,5
C			5.4	1.8
1/4			5.4	1,8
℄			5.1	2,1
1/4			4.8	2,4
C			4.5	2,7
N L			4.3	2,9

7.17 Alcott

100' W. Shafter St

N L			3.8	3,4
C			4.0	3,2
1/4			4.2	3,0
℄			4.3	2,9
1/4			4.4	2,8
C			4.5	2,7
S L			4.5	2,7

150' W. Shafter St

S L			3.5	3,7
C			3.4	3,8
1/4			3.4	3,8
℄			3.4	3,8
1/4			3.4	3,8
C			2.9	4,3
N L			2.8	4,4

POSTED

		9.17		
	200' W. Shafter St			
N.L.			2.0	5.2
C			2.1	5.1
1/4			2.1	5.1
℄			2.0	5.2
1/4			1.7	5.5
C			1.7	5.5
S.L.			1.3	5.9
7.1	10.56	17.55	0.18	6.99
	250' W. Shafter St			
S.L.			9.7	7.9
C			10.0	7.6
1/4			10.0	7.6
℄			9.8	7.8
1/4			10.5	7.5
C			10.3	7.3
N.L.			10.4	7.2

		17.55		Alcott
	300' W. Shafter = Lt Scott St			
N.L.			8.8	8.8
C			8.5	9.1
1/4			8.5	9.1
℄			7.9	9.7
1/4			8.0	9.6
C			8.0	9.6
S.L.			8.0	9.6
	W. Line Scott St			
S.L.			5.5	12.1
C			5.1	12.5
1/4			5.1	12.5
℄			5.4	12.2
1/4			5.4	12.2
C			5.4	12.2
N.L.			5.6	12.0

1755

50' W. Scott St

N			3.1	14.2
C			3.3	14.3
N			3.1	14.2
S			3.1	14.2
N			3.1	14.2
C			3.2	14.4
S			3.1	14.3

100' W. Scott St

S			1.4	16.2
C			1.2	16.4
N			1.1	16.5
S			1.0	16.6
N			1.0	16.6
C			0.9	16.7
N	10.97	28.35	1.6	16.0
			0.17	17.38

28.35

Alcott

150' W. Scott St

N			10.1	18.3
C			10.0	18.4
N			9.8	18.6
S			9.8	18.6
N			9.6	18.8
C			9.4	19.0
S			9.2	19.2

200' W. Scott St

S			6.7	21.7
C			6.4	22.0
N			6.4	22.0
S			6.4	22.0
N			7.0	21.4
C			7.2	21.2
N			7.3	20.9

POSTED

Alcott
Graded (100')

		28.35		
	250' W. Scott St			
N.L.			5.2	23.2
C			5.0	23.4
1/4			4.3	24.1
℄			3.3	25.1
1/4			3.0	25.4
C			3.9	24.5
S.L.			4.1	24.3
	275' W. Scott St			
S.L.			2.7	25.7
C			0.7	27.7
1/4			0.8	27.6
℄			1.1	27.3
1/4			0.8	27.6
C			1.2	27.2
N.L.			1.5	26.9
T.P.	11.25	39.43	0.17	28.18

		39.43		
	300' W. Scott - K.L. Rosecrans			
N.L.			10.0	29.4
C			10.5	28.9
1/4			10.8	28.6
℄			11.2	28.2
1/4			11.7	27.7
C			12.0	27.4
S.L.			12.0	27.4
	W. Line Rosecrans			
S.L.			5.0	34.4
C			4.8	34.6
1/4			4.2	35.2
℄			3.8	35.6
1/4			4.6	34.8
C			3.9	35.5
N.L.			3.0	36.4
	10.26	48.96	0.73	38.70

1896

50' W. Rosecrans St.

N.L.		6.1	47.9
C		6.8	47.2
1/4		7.6	41.4
S		7.9	41.1
1/4		9.5	39.5
C		10.7	38.3
S.L.		12.0	37.0

100' W. Rosecrans St.

S.L.		10.7	38.3
C		9.7	39.3
1/4		8.6	40.4
S		6.4	42.9
1/4		3.3	45.7
C		1.8	47.2
N.L.		1.5	47.5

1896 Alcott

135' W. Rosecrans St.

N.L.		1.5	47.5
C		3.9	45.6
1/4		5.4	43.6
S		7.2	41.8
1/4		8.8	40.2
C		11.0	38.0
S.L.		13.9	35.1

150' W. Rosecrans

S.L.		10.2	38.8
C		11.4	37.6
1/4		13.5	35.5
S		9.3	39.7
1/4		6.8	42.2
C		3.8	45.2
N.L.		1.3	47.7

1896

175' W. Rosecrans St

NL	50	44.0	
C	9.5	39.5	
H	10.7	38.3	
L	9.8	39.2	
H	7.9	41.1	
C	7.3	41.7	
SL	7.3	41.7	

200' W. Rosecrans St

SL	2.7	46.3	
C	1.5	44.5	
H	4.6	44.4	
L	5.1	43.6	
H	6.8	43.0	
C	9.7	39.3	
NL	8.1	40.6	

1896 Alcott

225' W. Rosecrans St

NL	1896	7.9	41.1	
C		6.9	42.1	
H		4.7	44.3	
L		1.3	47.7	
TD	11.35	60.15	6.1 C	45.80
H			9.6	50.6
C			10.2	50.0
SL			9.8	50.4

250' W. Rosecrans

SL		60.35	6.7	53.5
C			7.3	52.9
H			8.1	52.1
L			11.3	48.7
H			15.0	45.2
C		1896	7.0	42.0
NL			6.0	43.0

60.15

275' W. Rosecrans St

NL			15.5	44.7
C			18.7	41.5
1/4			13.5	46.7
℄			9.2	51.0
1/4			7.7	52.5
C			5.4	54.8
SL			4.2	56.0

300' W. Rosecrans-E L Locust

SL		72.26	7.2	65.1
C			11.2	61.1
T.P.	12.48	72.26	0.37	54.78
1/4		60.15	3.2	57.0
℄			7.8	52.4
1/4			12.5	47.7
C			17.1	43.1
NL			14.0	46.2

Alcott

W. Line Locust St

NL		60.15	13.5	46.7
C			11.2	49.0
1/4			7.7	52.5
℄			1.7	58.5
1/4		72.26	7.1	65.2
C			0.2	72.1
T.P.	11.93	83.02	1.17	71.09
SL			6.9	66.1

50' W. Locust St

SL		83.02	2.0	81.0
C			7.4	75.6
1/4		72.26	3.4	68.9
℄			8.2	64.1
1/4			13.2	59.1
C		60.15	6.5	53.7
NL			9.3	50.9

POSTED

100' W. Locust St

NL		7.22	14.7	57.0
C			8.8	63.5
Y			3.3	69.0
R		8.30.2	8.6	75.4
Y			2.7	81.3
C		9.5.12	9.3	85.8
SL			7.1	87.7

150' W. Locust St

SL		9.5.12	2.6	91.5
C			6.9	88.2
Y			1.7	83.1
R		8.30.2	2.8	80.2
Y			9.3	73.7
C		7.22.6	7.2	65.1
NL			12.5	60.8

200' W. Locust St

NL		8.30.2	18.7	65.3
C			13.3	69.7
Y			7.5	75.5
R			0.9	82.1
Y		9.5.12	6.8	88.3
C			2.8	92.3
SL			10.5	95.6

250' W. Locust St

SL		9.5.12	12.0	97.1
C			0.0	97.1
Y			3.6	91.5
R		8.30.2	0.0	83.0
Y			6.5	76.5
C			12.6	70.1
NL			18.8	65.2

300' W. Locust			EL Elm St	
NL		83.02	20.0	63.0
C			13.5	69.5
1/4			8.2	74.8
℄			4.0	79.0
1/4		95.12	7.0	88.1
C			0.0	95.1
SL			13.0	98.1
W. Line Elm St				
SL		95.12	3.2	91.9
C			8.7	86.4
1/4		83.02	3.6	79.4
℄			10.6	72.4
1/4			21.6	61.4
C			18.6	64.4
NL			14.4	68.6

50' W. Elm St				
NL		83.02	3.9	79.1
C			8.8	74.2
1/4			16.6	66.4
℄			18.3	64.7
1/4			8.7	74.3
T.P.	12.41	95.12	0.31	82.71
C			10.7	84.4
SL			6.2	88.9
100' W. Elm St				
SL		95.12	5.5	89.6
C			11.5	83.6
1/4			20.0	75.1
℄			30.0	65.1
1/4			20.5	74.6
C			16.[illegible]	78.6
NL			12.1	83.0
T.P.	10.11	92.61	12.62	82.50

		92.61		
150' W. Elm St				
N.L.			+1.0	93.6
C			3.4	89.2
1/4			8.4	84.2
℄			17.4	75.2
1/4			23.4	69.2
C			11.1	81.5
S.L.			1.7	90.9
200' W. Elm St				
S.L.		92.61	2.9	89.7
C			8.3	84.3
1/4			14.9	77.7
℄			11.7	80.9
1/4	10.56	103.09	3.0 0.08	89.6 92.53
C			8.2	94.9
N.L.			4.7	98.4

250' W. Elm St				
N.L.		103.09	1.1	102.0
C			4.5	
1/4		92.61	2.0	
℄			7.1	85.5
1/4			12.0	
C			6.8	
S.L.			1.7	90.9
300' W. Elm = E.L. Willow St				
S.L.		103.09	11.7	91.4
C			19.1	
1/4			16.6	
℄			13.3	89.8
1/4			8.4	
C			4.9	
N.L.			11.2	104.3

W Line Willow St

N.L.		115.77	1.6	114.2
c			3.0	112.8
1/4			5.9	109.9
℄			8.5	107.3
T.P.	12.82	115.77	0.14	102.95
1/4		103.09	0.0	103.1
c			4.5	98.6
S.L.			8.7	94.4

50' W Willow St

S.L.		115.77	10.1	105.7
c			6.0	109.8
1/4			3.6	112.2
℄			1.3	114.5
T.P.	12.45	127.44	0.78	114.99
1/4			11.5	115.9
c			8.9	118.5
N.L.			7.2	120.2

100' W. Willow St

N.L.		127.44	3.0	124.4
c			4.7	122.7
1/4			6.6	120.8
℄			8.5	118.9
1/4			10.3	117.1
c			13.4	114.0
S.L.		115.77	3.9	111.9

150' W. Willow St

S.L.		127.44	7.0	120.4
c			5.5	121.9
1/4			4.5	122.9
℄			3.5	123.9
1/4			1.9	125.5
c			0.4	127.3
T.P.	12.64	139.43	0.65	126.79
N.L.			11.3	128.1

POSTED

139.43

200 W Willow St

N.L.		7.2	132.2
C		7.7	131.7
H.L.		8.7	130.7
Q		10.0	129.4
H.L.		11.0	128.4
C		12.2	127.2
S.L.		13.5	125.9

250 W Willow

S.L.		8.5	130.9
C		7.2	132.0
H.L.		6.5	132.9
Q		5.4	134.0
H.L.		4.1	135.0
C		3.5	135.9
N.L.		3.0	136.4

134.43

300 W Willow St Elton

N.L.		0.4	139.0
C		0.7	138.7
H.L.		1.2	138.2
Q		1.7	137.7
H.L.		2.7	136.7
C		3.5	135.9
S.L.		4.5	134.9
T.L.	12.60	150.71	1.32 138.11

W Line Elton St

S.L.		12.6	138.1
C		11.8	138.9
H.L.		11.1	139.6
Q		10.2	140.5
H.L.		9.5	141.2
C		8.7	142.0
N.L.		8.1	142.6

1507

50' W. Plum St

N L		6.3	144.4
C		7.2	143.3
1/4		8.1	142.6
2		9.0	141.8
1/4		9.6	141.1
C		10.5	140.7
S L		10.7	140.0

100' W. Plum St

S L		9.1	141.6
C		8.6	142.1
1/4		8.0	142.7
2		7.3	143.4
1/4		6.5	144.2
C		5.7	145.0
N L		5.0	145.7

1507

Abbott

150' W. Plum St

N L		3.4	147.3
C		3.6	147.1
1/4		3.8	146.9
2		3.8	146.9
1/4		4.0	145.7
C		6.4	144.3
S L		6.8	143.9

200' W. Plum St

S L		1.6	146.1
C		4.2	146.5
1/4		3.6	147.1
2		3.0	147.7
1/4		2.2	148.5
C		1.9	148.8
N L		1.6	149.1
T.P.	1243	161.11	200 148.66

161.11

250' W Plum St

N.L.	10.1	150.7
C	10.6	150.5
1/4	10.7	150.4
℄	11.6	149.5
1/4	12.3	148.8
C	13.3	147.8
S.L.	14.1	147.0

300' W Plum = E.L. Clove St

S.L.	14.3	146.8
C	13.4	147.7
1/4	11.9	149.2
℄	10.2	150.9
1/4	10.0	151.1
C	9.5	151.6
N.L.	8.8	152.3

161.11 Alcott

W Line Clove St

N.L.	7.8	153.3
C	8.8	152.3
1/4	10.0	151.1
℄	11.2	149.9
1/4	12.7	148.4
C	13.7	147.4
S.L.	14.6	146.5

50' W Clove St

S.L.	12.6	148.5
C	12.1	149.0
1/4	11.6	149.5
℄	10.2	150.9
1/4	8.7	152.4
C	7.7	153.4
N.L.	6.8	154.3

POSTED

161.11

100' W. Clove St

NL			5.9	155.2
C			7.3	153.8
1/4			8.6	152.5
℄			9.5	151.6
1/4			10.2	150.9
C			10.8	150.3
SL			11.1	150.0

150' W. Clove St

SL			7.3	153.8
C			6.7	154.4
1/4			5.8	155.3
℄			5.3	155.8
1/4			4.7	156.4
C			3.8	157.3
NL			2.9	158.2

161.11 Alcott

200' W. Clove St

NL			0.5	160.6
C			0.8	160.3
1/4			1.1	160.0
℄			1.7	159.4
1/4			2.2	158.9
C			2.5	158.6
SL			2.8	158.3

223' W. Clove St

SL			0.8	160.3
C			0.7	160.4
1/4			0.7	160.4
℄			0.4	160.7
1/4			0.0	161.1
C			+0.2	161.3
NL			+0.4	161.5

1/19/09 {Clough, Colbath, Wardie}

X Section of Browning St

from Bay to W Line Roseville

				Elev.	N.W. Hub Browning Tide
BM	7.52	7.10		-0.42	
	W Line Tide St				
N.L.			7.5	-0.4	
c			8.1	-1.3	
1/4			7.6	-0.5	
℄			7.5	-0.4	
1/4			8.0	-0.9	
c			8.2	-1.1	
S.L.			8.1	-1.0	
	50' W Tide St				
S.L.			7.4	-0.3	
c			7.2	-0.1	
1/4			7.0	0.1	
℄			6.6	0.4	
1/4			6.9	0.2	
+6'			8.2	-1.1	
c			6.4	0.7	
N.L.			6.5	0.6	

71 Browning

	100' W Tide St			
N.L.			5.4	1.7
c			5.5	1.6
+8'			7.0	0.1
1/4			6.0	1.1
℄			5.7	1.4
1/4			6.1	1.0
c			6.2	0.9
S.L.			6.4	0.7
	150' W Tide St			
S.L.			5.6	1.5
c			5.5	1.6
1/4			5.4	1.7
℄			4.9	2.2
1/4			5.0	2.1
+5'			6.0	1.1
c			4.7	2.4
N.L.			4.7	2.4

Platted July 1913 S.W.G.

710

200 W Tide St

N.L.			3.8	3,4
C			3.9	3,2
+ 8'			5.3	1.8
1/4			1.1	2.7
℄			1.0	3,1
1/4			1.3	2,8
C			1.1	2.7
S.L.			1.6	2,5

250 W Tide St

S.L.			3.6	3.5
C			3.4	3.7
1/4			3.6	3,5
℄			2.9	4,2
1/4			3.5	3,8
+ 5'			1.5	2,6
C			2.1	4.7
N.L.			2.6	4,5

710 Browning Graded

300 W Tide = L.L. Shafter

N.L.			1.8	5,3
C			2.2	4,9
1/4			2.8	4,3
℄			2.7	4,4
1/4			3.0	4,1
C			2.6	4,5
S.L.			2.8	4,3

W Line Shafter

S.L.			1.2	5,9
C			1.1	6,0
1/4			1.9	5,2
℄			1.4	5,7
1/4			1.5	5,6
C			0.1	6.7
N.L.			0.7	6.4
T.P.	7.75	14.11	0.74	6.36

1411

50' W. Shafter Ft

N.L.			6.0	8.1
C			6.1	8.0
1/4			6.6	7.5
℄			6.4	7.7
1/4			7.0	7.1
C			7.1	7.0
S.L.			7.5	6.6

100' W. Shafter

S.L.			6.5	7.6
C			6.4	7.7
1/4			6.4	7.7
℄			5.7	8.4
1/4			6.3	7.8
C			5.3	8.8
N.L.			5.1	9.0

Browning

150' W. Shafter Ft

N.L.			4.8	9.3
C			5.0	9.1
1/4			5.7	8.4
℄			5.4	8.7
1/4			6.1	8.0
C			6.2	7.9
S.L.			6.6	7.5

200' W. Shafter

S.L.			5.8	8.3
C			5.7	8.4
1/4			5.8	8.3
℄			4.8	9.3
1/4			5.4	8.7
C			5.1	9.0
N.L.			4.9	9.2

POSTED

Hall

250 W. Shafter St

N.L.		3.6	10.5
C		3.8	10.3
1/4		4.8	9.3
E		4.2	9.9
3/4		5.0	9.1
W		5.1	9.0
S.L.		5.1	9.0

300 W. Shafter & Scott

S.L.		3.7	10.4
C		3.7	10.4
1/4		3.9	10.2
E		3.8	10.3
3/4		3.4	10.7
W		2.5	11.6
N.L.		2.3	11.8

Hall — Browning

W. Linn Scott St

N.L.		0.1	13.7
C		0.7	13.4
1/4		1.4	12.7
E		0.8	13.3
3/4		1.6	12.5
W		1.1	12.7
S.L.		1.5	12.6
T.R.	12.01	25.82 / 0.33	13.78

56 W. Scott St

S.L.	25.82	12.2	13.6
W		12.3	13.5
1/4		12.1	13.7
E		11.8	14.0
3/4		12.2	13.6
C		12.7	14.1
N.L.		11.6	14.2

25.82

100' W. Scott St

N.L.	11.1	14.7
C	11.0	14.8
1/4	11.4	14.4
Q	11.0	14.8
1/4	11.5	14.3
C	11.2	14.6
S.L.	11.2	14.6

150' W. Scott St

S.L.	10.4	15.4
C	10.3	15.5
1/4	9.5	16.3
Q	8.7	17.1
3/4	9.5	17.3
C	9.8	17.0
N.L.	10.0	15.8

25.92 Browning

200' W. Scott St

N.L.	8.2	17.6
C	8.2	17.6
1/4	6.8	19.0
Q	5.6	20.2
1/4	6.6	19.2
C	8.5	17.3
S.L.	8.3	17.5

250' W. Scott St

S.L.	4.8	21.0
C	4.4	21.4
1/4	2.8	23.0
Q	1.0	24.8
3/4	2.2	23.6
C	4.2	21.6
N.L.	4.6	21.2

POSTED

25.82

275' W. Scott St

N.L.			2.0	23.8
C			1.4	24.4
1/4			0.4	25.4
Q			+0.5	26.3
1/4			0.4	25.4
C			2.4	23.4
S.L.			2.8	23.0
T.P.	12.69	38.42	0.09	25.73

Graded

300' W. Scott - E.L. Rosecrans

S.L.		38.42	5.0	33.4
C			4.8	33.6
1/4			4.5	33.9
Q			4.0	34.4
1/4			3.7	34.7
C			3.3	35.1
N.L.			3.0	35.4
T.P.	12.75	49.90	1.27	37.15

49.90

W. Line Rosecrans St.

N.L.			5.7	44.2
C			8.3	41.6
1/4			8.2	41.5
Q			8.6	41.3
1/4			9.0	40.9
C			9.3	40.6
S.L.			9.3	40.6

50' W. Rosecrans St

S.L.			2.6	47.3
C			2.4	47.5
1/4			2.2	47.7
Q			0.8	49.1
1/4			+0.3	50.2
C			0.6	49.9
A.L.			0.0	49.9
T.P.	12.56	2.31	0.14	49.76

POSTED

62.37

100' W. Rosecrans St.

N.		7.5	54.9
C.		7.5	54.9
W.		7.5	54.9
E.		7.9	54.5
W.		8.6	53.8
C.		9.2	53.2
S.		9.3	53.1

150' W. Rosecrans

S.		5.7	56.7
C.		6.0	56.4
W.		5.7	56.7
E.		5.2	57.2
W.		4.7	57.7
C.		4.3	57.1
N.		4.0	56.4

62.37

Browning.

200' W. Rosecrans

N.		10.8	63.2
C.		0.0	62.4
W.		0.1	62.0
E.		1.9	61.1
W.		1.6	60.8
C.		1.8	60.6
S.		2.0	60.4
Tot.	12.65	74.95	8.06 62.37

250' W. Rosecrans

S.	74.96	9.9	65.1
C.		9.0	66.0
W.		8.5	66.5
E.		8.4	66.6
W.		8.5	66.5
C.		8.2	66.8
N.		8.2	66.8

7496

300' W. Pasadena E Locust

N.			3.8	71.2
C			3.7	71.3
M			3.8	71.2
S			4.0	71.0
M			4.2	70.8
C			4.8	70.2
S.			5.0	70.0
T.R	12.92	87.82	2.06	74.90

W Kinnard Locust St

8782

S.			10.6	77.2
C			10.2	77.6
M			9.6	78.2
S			9.4	78.4
M			8.9	78.9
C			9.3	78.5
N.			9.2	78.53

8782 Browning

50' W. Locust St

N.			5.3	82.5
C			5.3	82.5
M			5.4	82.4
S			5.7	82.1
M			5.9	81.9
C			5.7	82.1
S.			5.7	82.1
	12.42	100.24	0.0	87.82

700' W Locust St

S.			12.6	87.6
C			12.7	87.5
M			12.8	87.4
S			12.9	87.3
M			12.8	87.4
C			12.9	87.3
N.			13.0	87.2

POST

10.9.21

150' W Locust St

W.L.		8.8	91.4
C		8.4	91.8
W		8.3	91.9
C		8.3	91.9
W		7.8	92.4
C		7.8	92.4
S.L.		7.7	92.5

200' W. Locust St

S.L.		2.2	98.0
C		2.2	98.0
W		2.1	97.8
C		2.9	97.3
W		3.0	97.2
C		3.5	96.7
W.L.		3.6	96.6
T.P.	12.4 C	12.32	0.38 99.86

11.2.32 Browning

62

250' W Locust St

W.L.	9.1	103.2
C	8.7	103.6
W	8.3	104.0
C	8.1	104.2
W	7.8	104.5
C	8.4	103.9
S.L.	9.0	103.3

300' W Locust - E.L. Elm St

S.L.	6.0	106.3
C	5.1	107.2
W	4.1	108.2
C	3.5	108.8
W	3.4	108.9
C	3.9	108.4
W.L.	4.4	107.9

112.32

W. Line Elm St

N.L.			11.7	111.45
C			0.5	111.8
1/4			0.4	111.9
℄			0.7	111.6
1/4			1.3	111.0
C			2.0	110.3
S.L.			2.8	109.5
T.P.	12.65	124.92	0.05	112.27

50' W. Elm St

S.L.			12.0	112.9
C			11.5	113.4
1/4			11.2	113.7
℄			10.7	114.2
1/4			10.4	114.5
C			10.2	114.7
N.L.			10.2	114.7

124.92 Browning

100' W. Elm St

N.L.			6.6	118.3
C			6.5	118.5
1/4			6.5	118.4
℄			6.7	118.2
1/4			7.1	117.8
C			7.7	117.2
S.L.			8.2	116.7

150' W. Elm St

S.L.			3.3	121.6
C			2.7	122.2
1/4			2.2	122.7
℄			1.8	123.1
1/4			1.8	123.1
C			1.8	123.1
N.L.			1.8	123.1
T.P.	12.02	136.49	0.45	124.47

POSTED

		136.49		
	200' W. Elm St			
N.L.			8.9	127.6
C			8.8	127.7
1/4			8.5	128.0
℄			8.7	127.8
1/4			9.2	127.3
C			9.5	127.0
S.L.			10.1	126.4
	250' W. Elm St			
S.L.			7.0	129.5
C			6.4	130.1
1/4			5.7	130.8
℄			5.3	131.2
1/4			5.0	131.5
C			5.2	131.3
N.L.			5.4	131.1

		136.49		Browning
	300' W. Elm-El Willow St			
N.L.			4.5	132.0
C			4.5	132.0
1/4			4.6	131.9
℄			5.8	130.7
1/4			5.0	131.5
C			5.4	131.1
S.L.			5.8	130.7
	W. Line Willow St			
S.L.			5.27	131.22
C			5.0	131.5
1/4			4.8	131.7
℄			4.6	131.9
1/4			4.6	131.9
C			4.6	131.9
N.L.			4.8	131.7

13649

50' W. Wilson St.

NL		4.6	131.9
C		4.4	132.1
¼		4.4	132.1
¼		4.2	132.3
¼		4.2	132.3
¼		4.1	132.4
C		4.1	132.4
SL		4.1	132.4

100' W. Wilson St.

SL		2.9	133.6
C		3.1	133.4
¼		3.1	133.4
¼		3.1	133.4
¼		3.6	132.9
C		3.9	132.6
NL		3.9	132.6

13649

50' W. Wilson St.

NL		3.3	133.2
C		3.0	133.5
¼		2.7	133.8
¼		2.3	134.2
¼		1.8	134.7
C		2.0	134.5
SL		1.9	134.6

200' W. Wilson St.

SL		1.1	135.4
C		1.1	135.4
¼		1.2	135.3
¼		1.5	135.0
¼		1.9	134.6
C		2.1	134.4
NL		2.8	134.3
T R	12.75	148.99	025 136.24

Transcribing

148.99

250' W. Willow St

N.	13.8	135.2
C	13.7	135.3
¼	13.3	135.7
¢	12.7	136.3
¼	12.8	136.2
C	12.6	136.4
S.	12.4	136.6

300' W. Willow & Plum St

S.	9.6	139.4
C	10.4	138.6
¼	11.6	137.4
¢	12.1	136.9
¼	12.4	136.6
C	12.7	136.3
N.	13.0	136.0

148.99

Browning

W. Line Plum St.

N.	11.4	137.6
C	11.3	137.7
¼	11.3	137.7
¢	10.7	138.3
¼	9.7	139.3
C	8.6	140.4
S.	7.71	141.29

50' W. Plum St

S.	5.0	144.0
C	5.9	143.1
¼	6.5	142.5
¢	7.5	141.5
¼	8.4	140.6
C	9.0	140.0
N.	9.5	139.5

POSTED

14899

100' W. Plum St

N.		6.9	142.1	
		5.5	143.5	
¼		1.8	144.2	
¢		3.8	145.2	
¼		3.0	146.0	
C		2.1	146.6	
S.		2.0	147.0	
TP	12.01	0.27	148.72	

150' W. Plum St

160.73

S.	8.3	151.4	150.4	
	9.3	151.4		
¼	10.9	149.8		
¢	12.0	148.7	148.7	
¼	12.7	148.0		
C	13.8	146.9	146.9	
N.	16.0	144.7	144.7	

160.73 Browning

200' W. Plum St

N.	10.8	149.9
	9.5	151.2
¼	8.1	152.6
¢	6.7	154.0
¼	5.6	155.1
C	5.0	155.7
S.	4.6	156.1

250' W. Plum St

S.	3.0	157.7
	3.8	156.9
¼	4.5	156.2
¢	5.5	156.2
¼	5.8	154.9
C	6.8	153.9
N.	8.0	152.7

POSTED

160.75

300' W. Plum - E. Clove St

N.		7.9	154.8
C		5.7	155.0
¼		4.3	156.4
d		2.7	158.0
¼		2.0	158.7
C		1.4	159.3
S.		0.9	159.8
	27.5	162.85	0.63 160.10

W. Line Clove St

S.	162.85	3.6	159.3
C		5.3	157.6
¼		6.6	156.3
d		9.1	153.8
¼		10.7	152.2
C		11.9	151.0
N.		13.01	149.84

162.85

50' W. Clove St

N.	13.3	149.6
C	12.0	150.9
¼	11.0	151.9
d	9.7	153.2
¼	7.7	155.2
C	5.5	157.4
S.	3.8	159.1

100' W. Clove St

S.	6.7	156.2
C	7.7	155.2
¼	9.1	153.8
d	10.1	152.8
¼	11.3	151.6
C	12.9	150.0
N.	14.0	148.9

16.2.65

150' W. Clove St

N	14.0	148.9
C	13.1	149.8
W	12.2	150.7
E	11.1	151.8
W	9.5	153.4
C	8.2	154.7
S	6.5	156.4

200' W. Clove St

S	5.2	157.7
C	6.4	156.5
W	8.5	154.4
E	9.9	153.0
W	10.9	152.0
C	11.7	151.2
N	13.0	149.9

16.2.65

Browning

221' W. Clove - W. (Pueblo) Roseville

N	12.6	150.3
C	11.1	151.5
W	10.6	152.3
E	8.5	154.4
W	7.1	155.8
C	6.9	156.0
S	6.6	156.3

1/ Clough
Colbath
Los Wordie

Section of Curtiss from Pueblo Line

Bay to W. Line Roseville

B.M.	9.89	10.92		1.03	N W H Tide St
	W L of Tide St				
N L			9.9	1.0	
C			10.0	0.9	
1/4			9.9	1.0	
C			9.7	1.2	
1/4			9.9	1.0	
C			10.0	0.9	
S L			10.0	0.9	
	50'	W of	Tide	St	
S L			8.8	2.1	
C			8.7	2.2	
1/4			8.5	2.4	
C			8.7	2.2	
1/4			8.8	2.1	
C			8.7	2.2	
N L			8.7	2.2	

		10.92		Curtiss St
	100'	W of	Tide	St
N L			7.5	3.4
C			7.6	3.3
1/4			7.5	3.4
C			7.6	3.3
1/4			7.6	3.3
C			7.6	3.3
S L			7.6	3.3
	150'	W of	Tide	St
S L			6.6	4.3
C			6.6	4.3
1/4			6.5	4.4
C			6.4	4.4
1/4			6.4	4.4
C			6.2	4.7
N L			6.3	4.6

POST

	10.92			
	200'	w of	Tide	st
N			5.0	5.9
C			4.8	6.1
1/4			4.8	6.1
C			5.1	5.8
1/4			5.3	5.6
C			5.2	5.7
S			4.9	6.0
	220'	w of	Tide	
S			4.6	6.3
C			4.6	6.3
1/4			4.4	6.5
C			4.4	6.5
1/4			4.2	6.7
C			3.8	7.1
N			3.7	7.2

	10.92			Curtiss
	250'	w of	Tide	st
N			1.5	9.4
C			2.4	8.5
1/4			2.9	8.0
C			3.6	7.3
1/4			3.4	7.5
C			3.4	7.5
S			3.3	7.6
	300'	w of = E line of Shafter st (Graded) (70')		
S			3.2	7.7
C			3.1	7.8
1/4			3.1	7.8
C			3.1	7.8
1/4			3.1	7.8
C			3.0	7.9
N			2.6	8.3

1092

	Width of		Slopes	
N			0.1	10.8
C			0.2	10.7
¼			0.2	10.7
½			0.3	10.4
¼			0.7	10.2
C			1.1	9.8
S			1.3	9.6
TP	10.21	2090	0.23	10.69

	150'	W of	Slopes	
S			10.3	10.6
C			10.2	10.7
¼			9.9	11.0
½			9.6	11.3
¼			9.3	11.6
C			9.0	11.9
N			8.9	12.0

2090 Curtiss

	100'	W of	Slopes	
N			8.9	12.0
C			9.0	11.9
¼			9.0	11.9
½			9.2	11.7
¼			8.9	12.0
C			9.0	11.9
S			9.3	11.6

	150'	W of	Slopes	
S			7.8	13.1
C			7.9	13.0
¼			7.8	13.1
½			7.7	13.2
¼			7.6	13.3
C			7.4	13.5
N			7.2	13.7

2090

200' W of Shafter

NL			5,7	15,2
bh			5,8	15,1
y			6,9	14,0
b			6,2	14,7
y			6,3	14,6
bh			6,4	14,5
SL			6,5	14,4

250' W of Shafter

SL			5,0	15,9
bh			4,8	16,1
y			4,7	16,2
b			4,7	16,2
y			4,3	16,6
bh			4,3	16,6
NL			4,1	16,8

2090 Curtiss

300' W = E Line of Scott St (20)

NL			2,7	18,2
bh			3,1	17,8
y			3,3	17,6
b			3,5	17,4
y			3,8	17,1
bh			4,1	16,8
SL			4,3	16,6

W Line of Scott St

SL			3,3	17,6
bh			3,1	17,8
y			2,8	18,1
b			2,4	18,5
y			2,1	18,8
bh			1,8	19,1
NL			1,6	19,3

Curtiss

		20.90		
	50'	w of	Scott st	
nl			0,3	20,6
bl			0,6	20,3
"			0,9	20,0
l			1,0	19,9
"			1,4	19,5
bl			1,8	19,1
Sl			2,0	18,9
TP	12,34	32,84	0,40	20,50
	100'	w of	Scott st	
Sl			12,3	20,5
bl			12,2	20,6
"			11,9	20,9
l			11,5	21,3
"			11,3	21,5
bl			11,0	21,8
nl			10,8	22,0

		32,84		
	150'	w of	Scott st	
nl			9,9	22,9
bl			10,5	22,3
"			10,6	22,2
l			11,2	21,6
"			11,9	20,9
bl			12,4	20,4
Sl			12,4	20,4
	200'	w of	Scott st	
Sl			10,4	22,4
bl			10,1	22,7
"			9,6	23,2
l			9,2	23,6
"			9,0	23,8
bl			8,5	24,3
nl			8,2	24,6

POS

		32.84		
	250'	W of	Scott	st
NL			2,9	29,9
bl			3,8	29,0
"			4,3	28,5
b			4,8	28,0
"			5,5	27,3
bl			6,1	26,7
SL			6,4	26,4
	280'	W of	Scott	st
SL			2,0	30,8
bl			1,3	31,5
"			0,4	32,4
T.P	11.78	44.43	0,19	32.65
b			11,0	33,4
"			10,5	33,9
bl			10,0	34,4
NL			9,0	35,4

		44.43		Curtiss.
	300'	W = E Line of Rosecrans (100') (Graded)		
NL			3,1	41,3
bl			3,3	41,1
"			3,5	40,9
b			3,7	40,7
"			4,0	40,4
bl			4,1	40,3
SL			4,3	40,1
TP	12.38	56.83	0,0	44.43
	W Line of Rosecrans st			
SL			5,6	51,2
bl			5,1	51,7
"			5,0	51,8
b			5,6	51,2
"			5,4	51,4
bl			4,6	52,2
NL			5,0	51,8

POSTED

5683

	50'	W of	Rosecrans	st
N2			1,8	5-5,0
M			1,8	5-5,0
4			1,8	5-5,0
6			1,7	5-5,1
4			1,7	5-5,1
M			1,5	5-5,3
S2			0,8	5-6,0
TP	12,30	6881	0,3V	5-6,5-1
	100'	W of	Rosecrans	
S2			8,0	6,0,8
M			8,5	6,0,3
4			9,3	5-9,5
M			9,0	5-9,8
4			9,8	5-9,0
M			9,7	5-9,1
N2			9,5	5-9,3

6881

Curtiss

	150'	W of	Rosecrans	
N2			6,V	62,6
M			6,7	6,2,1
4			6,3	62,5
6			5,7	63,1
4			6,V	62,6
M			5,7	63,1
S2			4,8	64,0
	200'	W of	Rosecrans	st
S2			2,6	66,V
M			3,0	65,8
4			4,0	64,8
6			4,3	64,5
4			4,8	64,0
M			5,0	63,8
N2			4,5	64,3

POSTED

		688.1		
	250	W of	Russians st	
N.L			4,0	64,8
bh			3,7	65,1
y			3,0	65,8
b			2,6	66,2
y			2,4	66,4
bh			1,9	66,9
S.L			1,8	67,0
T.P	11,50	80,31	0,0	688,1
	300'	W of	E Line of Locust st (70)	
S.L			10,7	69,6
bh			11,3	69,0
y			11,6	68,7
b			12,2	68,1
y			12,6	67,7
bh			13,0	67,3
N.L			13,3	67,0

Continued in Book 449

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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.		