420

City Engineers Office
San Diego, Cal.

400
LEVEL

F.B. 420

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Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

420

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

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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

1234567890

Clough
Allan
Nordic

Crossection of Plum st (70')
Continued from
Book 364.

	195	173.95		172.00	TP from Book 364
	125'	n of	23d	st	
EL			4.3	169.6	
bl			4.0	9.9	
"			3.2	170.8	
b			2.9	171.1	
"			2.0	172.0	
bl			1.5	172.5	
WL			1.1	172.9	
	150'	n of	23d	st	
WL			3.2	170.8	
bl			3.1	170.9	
"			3.3	170.7	
b			4.0	170.0	
"			4.7	169.3	
bl			5.5	168.5	
EL			6.0	168.0	

POSTED

17395

	200'	n =	S L of	24th st (70')	
EL			10,4	163.6	
bh			9,8	164.2	
y			9,2	164.8	
b			8,7	165.3	
y			8,2	165.8	
bh			8,7	165.3	
WL			8,66	165.29	BMS2 24th
TP	1,20	16649	8,66	165.29	
	S bh	of	24th	st	
WL			2,0	164.5	
bh			2,1	164.4	
y			2,1	164.4	
b			2,4	164.1	
y			3,0	163.5	
bh			3,3	163.2	
EL			3,8	162.7	

16649

Plum st

	S 1/4	of	24th	st
EL			4,8	161.7
bh			4,9	161.6
y			4,4	162.1
b			3,4	163.1
y			3,3	163.2
bh			3,2	163.3
WL			3,3	163.2
	center	of	24th	st
WL			4,4	162.1
bh			4,7	161.8
y			5,0	161.5
b			5,5	161.0
y			6,0	160.5
bh			6,2	160.3
EL			6,3	160.2

16649

	n 1/4 of	24th	st
El		7,4	159.1
bk		7,0	159.5
4		6,4	160.1
6		6,1	160.4
4		6,0	160.5
bk		5,7	160.8
WL		4,9	161.6
	n bk of	24th	st
WL		4,5	162.0
bk		5,8	160.7
4		6,6	159.9
6		6,4	160.1
4		5,9	160.6
bk		7,0	159.5
El		8,0	158.5

16649 Plum st

3

	N line of	24th	st
El		8,1	158.4
bk		6,5	160.0
4		6,5	160.0
6		7,0	159.5
4		7,0	159.5
bk		6,8	159.7
WL		6,3	160.2
	50 n of	24th	st
WL		8,7	157.8
bk		9,0	157.5
4		9,2	157.3
6		9,4	157.1
4		9,7	156.8
bk		10,0	156.5
El		10,4	156.1

16649

	100'	n of	24th st	
EL			12,0	154.5
bb			11,8	154.7
"			11,6	154.9
b			11,4	155.1
"			11,0	155.5
bb			10,7	155.8
WL			10,5	156.0
	150'	n of	24th st	
WL			10,7	155.8
bb			11,2	155.3
"			11,6	154.9
b			12,0	154.5
"			12,4	154.1
bb			12,7	154.1
EL			13,2	153.3

16649 Plum st

	200'	n =	S S of	25th st (90')	
EL			11,9	154.6	
bb			11,3	155.2	
"			10,5	156.0	
b			9,6	156.9	
"			9,0	157.5	
bb			8,9	157.6	
TP WL	161	159.65	8,45	158.04	Bm sw 25th
	S bb of		25th	st	
WL			1,4	158.3	
bb			1,7	158.0	
"			2,1	157.6	
b			2,7	157.0	
"			3,3	156.4	
bb			3,9	155.8	
EL			4,7	155.0	

POSTED

1965

	S 1/4 of	25-ft	pt
El		4,5	155.2
bk		3,9	155.8
y		3,1	156.6
l		2,7	157.0
y		2,1	157.6
bk		1,5	158.2
WL		1,0	158.7
	Center of	25-ft	pt
WL		0,9	158.8
bk		1,2	158.5
y		2,0	157.7
l		2,6	157.1
y		3,0	156.7
bk		3,8	155.9
El		4,5	155.2

1965 Plum pt

	N 1/4 of	25-ft	pt
El		4,9	154.8
bk		4,2	155.5
y		3,4	156.3
l		2,7	157.0
y		1,8	157.9
bk		1,2	158.5
WL		0,5	159.2
	N bk of	25-ft	pt
WL		0,3	159.4
bk		1,0	158.7
y		1,7	158.0
l		2,5	157.2
y		3,4	156.3
bk		4,4	155.3
El		4,8	154.9

159.65

	N Line of		25th	st
EL			5,0	154.7
bh			4,5	155.2
y			3,8	155.9
b			2,6	157.1
y			1,8	157.9
bh			1,0	158.7
WL			0,1	159.6
	50'	n of	25th	st
WL			0,4	159.3
bh			1,6	158.1
y			2,8	156.9
b			3,6	156.1
y			4,3	155.4
bh			4,8	154.9
EL			5,2	154.5

1

159.65 Plum st

	100'	n of	25th	st
EL			7,3	152.9
bh			7,0	152.7
y			6,6	153.1
b			6,0	153.7
y			5,4	154.3
bh			5,1	154.6
WL			4,5	155.2
	150'	n of	25th	st
WL			8,6	151.1
bh			8,7	151.0
y			9,2	150.5
b			9,8	149.9
y			9,6	150.1
bh			9,3	150.4
EL			9,6	150.1
TP	0,47	150.82	9,30	150,35

POSTED

150.82

	200'	n = S ℄ of	26th st (70')		
WL			5.10	145.72	Bm Sm 26
bb			4.8	146.0	
y			6.4	144.4	
b			6.8	144.0	
y			7.0	143.8	
bb			7.0	143.8	
EL			7.0	143.8	
	S bb	of	26th	st	
EL			8.3	142.5	
bb			8.4	142.4	
y			8.2	142.6	
b			8.1	142.7	
y			7.6	143.2	
bb			7.0	143.8	
WL			6.7	144.1	

150.82 Plum st

	S 1/4	of	26th	st
WL			8.5	142.3
bb			8.9	141.9
y			9.5	141.3
b			10.0	140.8
y			10.0	140.8
bb			9.7	141.1
EL			9.7	141.1
	Center	of	26th	st
EL			10.8	140.0
bb			11.0	139.8
y			11.7	139.1
b			11.2	139.6
y			10.4	140.4
bb			10.4	140.4
WL			10.0	140.8

		15082		
	N 1/4	of	26th	st
WL			11,1	139.7
bh			11,3	139.5
y			11,2	139.6
b			12,3	138.5
y			13,1	137.7
bh			12,5	138.3
EL			12,6	138.2
TP	0,60	139.00	12,42	138.40
	N bh	of	26th	st
EL			2,6	136.4
bh			2,7	136.3
y			3,1	135.9
b			2,4	136.6
y			1,9	137.1
bh			1,6	137.4
WL			1,3	137.7

		139.00		Plum	st
	N line	of	26th	st	
WL			2,5	136.5	
bh			3,3	135.7	
y			4,0	135.0	
b			3,6	135.4	
y			4,7	134.3	
bh			4,7	134.3	
EL			4,3	134.7	Here
	25'	n of	26th	st	
EL			11,4	127.6	
bh			10,6	128.4	
y			9,6	129.4	
b			8,5	130.5	
y			7,7	131.3	
bh			7,4	131.6	
WL			6,2	132.8	
TP	1,12	129.72	10,40	128.60	

POSTED

		129.72		
	50'	n of	26 ct	st
Wh			5,6	124.1
ll			5,8	123.9
y			5,3	124.4
b			6,1	123.6
y			7,2	122.5
ll			6,8	122.9
Eh			7,0	122.7
	80'	n of	26 ct	st
Eh			19,0	110.7
ll			18,8	110.9
y			18,8	110.9
b			16,4	113.3
y			15,7	114.0
ll			15,0	114.7
Wh			14,2	115.5

		129.72		Plum st
	100'	n of	26 ct	st
Wh			7,8	121.9
ll			8,5	121.2
y			9,6	120.1
b			10,8	118.9
y			12,9	116.8
ll			13,8	115.9
Eh			14,2	115.5
	125'	n of	26 ct	st
Eh			8,7	121.0
ll			7,7	122.0
y			6,8	122.9
b			5,9	123.8
y			5,0	124.7
ll			3,8	125.9
Wh			3,0	126.7
TP	1214	139.35	2,51	127.21

13935

	150'	n of	26th	st
WL			8.1	131.3
bl			8.6	130.8
y			8.9	130.5
b			9.5	129.9
y			10.5	128.9
bl			11.0	128.4
EL			11.6	127.8
	175'	n of	26th	st
EL			7.2	132.2
bl			7.0	132.4
y			6.3	133.1
b			5.5	133.9
y			4.8	134.6
bl			4.5	134.9
WL			4.0	135.4

13935 Plum st

	Lod	n =	S.L of	27th	st (70')
WL			1.26	138.09	BM SW 27th
bl			1.7	137.7	
y			2.1	137.3	
b			2.6	136.8	
y			3.1	136.3	
bl			3.9	135.5	
EL			4.4	135.0	
	S bb	of	27th	st	
EL			3.3	136.1	
bl			2.8	136.6	
y			2.0	137.4	
b			1.6	137.8	
y			1.2	138.2	
bl			0.8	138.6	
WL			0.6	138.8	
TP	8.17	14626	1.26	138.09	BM 27

POSTED

14626

	S 1/4	of	27th st	
WL			6,6	139.7
bh			6,8	139.5
y			7,2	139.1
b			7,6	138.7
y			8,2	138.1
bh			8,8	137.5
EL			9,6	136.7
	center	of	27th st	
EL			8,7	137.6
bh			8,1	138.2
y			7,6	138.7
b			7,0	139.3
y			6,6	139.7
bh			6,2	140.1
WL			5,8	140.5

14626 Plum st

	N 1/4	of	27th st	
WL			5,0	141.3
bh			5,5	140.8
y			6,0	140.3
b			6,5	139.8
y			7,0	139.3
bh			7,6	138.7
EL			8,0	138.3
	N bh	of	27th st	
EL			7,6	138.7
bh			7,0	139.3
y			6,5	139.8
b			6,0	140.3
y			5,4	140.9
bh			4,8	141.5
WL			4,3	142.0

14626

	N Line	of	27th	st
WL			3,7	142.6
bh			4,2	142.1
y			4,7	141.6
b			5,4	140.9
y			6,0	140.3
bh			6,6	139.7
EL			7,2	139.1
	50'	n of	27th	st
EL			4,9	141.4
bh			4,2	142.1
y			3,5	142.8
b			3,0	143.3
y			2,2	144.1
bh			1,7	144.6
WL			1,2	145.1
TP	3,97	14855	1,6,8	144.58

14855 Plum st

	100'	n of	27th	st
WL			2,0	146.6
bh			2,3	146.3
y			3,3	145.3
b			4,0	144.6
y			5,3	143.3
bh			6,0	142.6
EL			6,8	141.8
	150'	n of	27th	
EL			7,8	140.8
bh			7,3	141.3
y			6,6	142.0
b			6,0	142.6
y			5,0	143.6
bh			4,8	143.8
WL			4,4	144.2

POSTED

14855

	200'	n =	SL of	28th st	(70') Bm Sm 28
WL			7,38	141.17	
bb			7,9	140.7	
y			8,2	140.4	
b			8,9	139.7	
y			9,4	139.2	
bb			9,3	139.3	
EL			9,4	139.2	
EL	S bb of		28th	st	
EL			10,0	138.6	
bb			10,1	138.5	
y			10,0	138.6	
b			9,3	139.3	
y			8,8	139.8	
bb			8,7	139.9	
WL			8,4	140.2	

14855 Plum st

	S 1/4	of	28th	st
WL			9,5	139.1
bb			9,3	139.3
y			9,0	139.6
b			9,5	139.1
y			10,3	138.3
bb			11,0	137.6
EL			11,0	137.6
	Center of		28th	st
EL			11,6	137.0
bb			11,0	137.6
y			9,6	139.0
b			9,3	139.3
y			9,6	139.0
bb			10,0	138.6
WL			10,3	138.3

14855

	N 1/4	of	28th	st	
WR			11,0	137.6	
bh			10,9	137.7	
y			10,7	137.9	
b			9,7	138.9	
y			10,1	138.5	
bh			11,4	137.2	
ER			12,0	136.6	
	N bb	of	28th	st	
ER			12,4	136.2	
bh			12,0	136.6	
y			11,2	137.4	
b			10,8	137.8	
y			11,0	137.6	
bh			11,3	137.3	
WR			10,9	137.7	NWH
TP	2,31	13986	11,00	137.55	28

13986 Plum st

	N Line	of	28th	st
WR			2,3	137.6
bh			3,0	136.9
y			2,8	137.1
b			2,7	137.2
y			3,0	136.9
bh			3,7	136.2
ER			3,9	136.0
	50'	n of	28th	st
ER			5,0	134.9
bh			5,0	134.9
y			4,8	135.1
b			4,7	135.2
y			4,4	135.5
bh			4,2	135.7
WR			3,9	136.0

POSTED

		13986		
	100'	n of	28th	st
wh			4,7	135.2
bh			4,5	135.4
y			5,0	134.9
b			6,0	133.9
y			6,2	133.7
bh			6,3	133.6
Eh			6,5	133.4
	150'	n of	28th	st
Eh			7,1	132.8
bh			7,3	132.6
y			7,2	132.7
b			6,8	133.1
y			6,8	133.1
bh			6,8	133.1
wh			6,8	133.1

		13986		Plum st	
	200'	n =	S of	29th st	(70') Bm Sw 29th
wh			6,70	133.6	
bh			6,7	133.2	
y			7,6	132.3	
b			8,2	131.7	
y			8,7	131.2	
bh			8,9	131.0	
Eh			8,4	131.5	
	S bb	of	29th	st	
Eh			9,3	130.6	
bh			9,3	130.6	
y			8,8	131.1	
b			8,6	131.3	
y			7,9	132.0	
bh			6,9	133.0	
wh			6,8	133.1	

		139.86		
	S 1/4	of	29 ft	st
WL			8,2	131.7
bh			8,3	131.6
y			8,8	131.1
b			8,8	131.1
y			9,1	130.8
bh			9,3	130.6
EL			9,3	130.6
	Center	of	29 ft	st
EL			9,1	130.8
bh			9,1	130.8
y			9,2	130.7
b			8,8	131.1
y			8,8	131.1
bh			8,8	131.1
WL			8,9	131.0

		139.86		Plum st.
	N 1/4	of	29 ft	st
WL			8,8	131.1
bh			8,5	131.4
y			8,6	131.3
b			8,7	131.2
y			9,1	130.8
bh			9,6	130.3
EL			9,4	130.5
	N bh of		29 ft	st
EL			10,0	129.9
bh			9,5	130.4
y			8,6	131.3
b			8,2	131.7
y			8,0	131.9
bh			8,6	131.3
WL			8,7	131.2

POSTED

		13986		
	N Line	of	29th	st
WL			8,9	131.0
bl			8,7	131.2
y			8,2	131.7
l			8,2	131.7
y			8,6	131.3
bl			9,6	130.3
EL			10,4	129.5
TP	4,65	13461	9.90	129.96
	50'	n of	29th	st
EL			6,1	128.5
bl			5,8	128.8
y			5,3	129.3
l			4,7	129.9
y			4,0	130.6
bl			4,8	129.8
WL			4,8	129.8

		13461		Plum st
	100'	n of	29th	st
WL			8,0	126.6
bl			8,0	126.6
y			8,0	126.6
l			7,5	127.1
y			7,4	127.2
bl			8,0	126.6
EL			8,1	126.5
	150'	n of	29th	st
EL			11,3	123.3
bl			10,8	123.8
y			10,4	124.2
l			10,7	123.9
y			10,7	123.9
bl			10,3	124.3
WL			10,4	124.2
TP	1,36	12516	10,81	123.80

POSTED

12516

	200'	n =	S 2 of	30 st	to
WL			5,19	919.97	Bm Sw 30 st
bh			5,4	119.8	
y			5,5	119.7	
b			5,4	119.8	
y			5,2	120.0	
bh			5,1	120.1	
EL			5,0	120.2	
	S bb	of	30 st	st	
EL			5,8	119.4	
bh			6,2	119.0	
y			6,3	118.9	
b			6,0	119.2	
y			5,8	119.4	
bh			5,8	119.4	
WL			5,8	119.4	

12516 Plum st

	S 1/4	of	30	st	st
WL			6,3	118.9	
bh			6,6	118.6	
y			6,7	118.5	
b			6,6	118.6	
y			7,2	118.0	
bh			7,0	118.2	
EL			6,7	118.5	
	Center	of	30 st	st	
EL			7,7	117.5	
bh			7,9	117.3	
y			7,9	117.3	
b			7,7	117.5	
y			7,8	117.4	
bh			7,6	117.6	
WL			7,2	118.0	

POSTED

12516

	N 1/4 of	30th	st
WL		8,5	116.7
bh		8,5	116.7
y		8,9	116.3
b		8,9	116.3
y		8,8	116.4
bh		8,7	116.5
EL		8,6	116.6

	N bb of	30th	st
EL		9,6	115.6
bh		9,9	115.3
y		10,2	115.0
b		10,5	114.7
y		10,4	114.8
bh		10,2	115.0
WL		10,2	115.0

12516 Plum st

	N Line of	30th	st
WL		11,7	113.5
bh		11,9	113.3
y		11,8	113.4
b		11,5	113.7
y		11,3	113.9
bh		10,9	114.3
EL		10,8	114.4

(down 20' in 50' north)

POSTED

Clough Allan Wardle

Crossection of Newell St (70') (14th St) Bay to Pueblo Line on west of Roseville

	2.50	11.89		9.39	Bm 50' W of SW of 148 Roseville
TP	3.30	4.37	10.82	1.07	TP SW Scott
	W Line of Shafter St				
SL			8.21	-3.8	
bl			8.0	-3.6	
"			8.2	-3.8	
l			8.2	-3.8	
"			8.2	-3.8	
bl			8.3	-3.9	
NL			8.2	-3.8	
	50'	W of	Shafter		
NL			7.8	-3.4	
bl			7.8	-3.4	
"			8.0	-3.6	
l			8.0	-3.6	
"			8.0	-3.6	
bl			7.8	-3.4	
SL			7.8	-3.4	

POSTED

4.37 Newell St

	100'	W of	Shafter St		
SL			7.2	-2.8	
bl			7.2	-2.8	
"			7.2	-2.8	
l			7.0	-2.6	
"			7.0	-2.6	
bl			7.0	-2.6	
NL			7.0	-2.6	
	150'	W of	Shafter		
NL			6.2	-1.8	
bl			6.2	-1.8	
"			6.2	-1.8	
l			6.2	-1.8	
"			6.0	-1.6	
bl			6.1	-1.7	
SL			6.2	-1.8	

Posted

	200' W of	Shafter st	
S2		5.3	-0.9
11		5.3	-0.9
4		5.4	-1.0
6		5.3	-0.9
4		5.5	-1.1
66		5.7	-1.3
22		5.8	-1.4
	250' W of	Shafter st	
N2		5.2	-0.8
11		5.1	-0.7
4		5.0	-0.6
6		4.9	-0.5
4		4.9	-0.5
11		4.7	-0.3
S2		4.6	-0.2

	300' W =	E/L of	Scott st (50')
S2		4.0	0.4
11		4.1	0.3
4		4.2	0.2
6		4.3	0.1
4		4.2	0.2
CL		4.2	0.2
N2		4.2	0.2
	E/L of	Scott st	
S2		3.9	0.5
11		4.1	0.3
4		4.0	0.4
6		4.2	0.2
4		3.8	0.6
11		3.4	1.0
N2		3.7	0.7

4.37

E ¼ of Scott st

N2	3,7	0.7
bk	3,7	1.2
y	3,5	0.9
b	4,0	0.4
y	3,9	0.5
bk	3,9	0.5
S2	3,9	0.5

Center of Scott st

S2	3,7	0.7
bk	3,7	0.7
y	3,7	0.7
b	3,9	0.5
y	3,7	0.7
bk	3,5	0.9
N2	3,6	0.8

4.37

Newell st

22

W ¼ of Scott st

N2	3,4	1.0
bk	3,5	0.9
y	3,6	0.8
b	3,7	0.7
y	3,7	0.7
bk	3,6	0.8
S2	3,5	0.9

W bk of Scott st

S2	3,4	1.0
bk	3,6	0.8
y	3,5	0.9
b	3,5	0.9
y	3,0	1.4
bk	3,2	1.2
N2	3,2	1.2

437

	W L of		Scott	st
nL			2,9	1.5
bh			2,9	1.5
y			3,0	1.4
b			2,9	1.5
y			3,2	1.2
bh			3,3	1.1
SL			3,5	0.9
Tp	6,75	7,82	3,30	1,07
	50'	w of	Scott	st
SL			5,5	2.3
bh			5,6	2.2
y			5,6	2.2
b			5,8	2.0
y			5,8	2.0
bh			5,7	2.1
nL			5,7	2.1

782 Newell st

	100'	w of	Scott	st
nL			4,8	3.0
bh			5,0	2.8
y			5,1	2.7
b			4,9	2.9
y			4,9	2.9
bh			4,8	3.0
SL			4,9	2.9
	150'	w of	Scott	st
SL			4,0	3.8
bh			4,0	3.8
y			4,0	3.8
b			4,1	3.7
y			4,2	3.6
bh			4,2	3.6
nL			4,1	3.7

POSTED

782

200' W of Scott st

nl			3,4	4.4
bh			3,5	4.3
y			3,4	4.4
b			3,4	4.4
y			2,9	4.9
bh			3,4	4.4
Sl			3,1	4.7

250' W of Scott st

Sl			2,5	5.3
bh			1,9	5.9
y			1,9	5.9
b			1,2	6.6
y			1,5	6.3
bh			1,7	6.1
nl			1,9	5.9

782 Newell st

300' W = E L of Rosecrans st (100')

nl			1,7	6.1	
bh			1,7	6.1	
y			1,8	6.0	
b			1,7	6.1	
y			1,4	6.4	
bh			1,0	6.8	
Sl			0,5	7.3	
TP	6,42	10,74	0,5	7,32	
	5,92	15,31	4,35	9,39	Bm

W line of Rosecrans st

Sl			6,2	9.1
bh			6,2	9.1
y			6,7	8.6
b			6,7	8.6
y			7,2	8.1
bh			7,0	8.3
nl			7,0	8.3

15-31

50' W of Rosecrans St

N2	6.3	9.0
bl	6.4	8.9
4	6.3	9.0
6	6.2	9.1
4	6.1	9.2
bl	6.0	9.3
S2	5.9	9.4

100' W of Rosecrans St

S2	6.0	9.3
bl	6.0	9.3
4	6.0	9.3
6	6.0	9.3
4	6.1	9.2
bl	5.9	9.4
N2	5.9	9.4

15-31 Newell St

150' W of Rosecrans St

N2	4.6	10.7
bl	4.7	10.6
4	4.8	10.5
6	4.8	10.5
4	5.1	10.2
bl	5.3	10.0
S2	5.2	10.1

200' W of Rosecrans St

S2	3.8	11.5
bl	3.8	11.5
4	3.8	11.5
6	3.9	11.4
4	3.8	11.5
bl	3.6	11.7
N2	3.4	11.9

1531

250' W of Rosecrans st

NL			2,2	13.1
bh			2,2	13.1
y			2,2	13.1
b			2,5	12.8
y			2,6	12.7
bh			2,7	12.6
SL			2,8	12.5
TP	11,73	2626	0,78	14,53

300' W = E L Locust st (70')

SL			11,7	14.6
bh			11,8	14.5
y			12,0	14.3
b			12,0	14.3
y			11,9	14.4
bh			11,8	14.5
NL			11,7	14.6

2626 Newell st

W Line of Locust st

NL			8,9	17.4
bh			9,0	17.3
y			8,9	17.4
b			8,7	17.6
y			8,8	17.5
bh			8,8	17.5
SL			9,0	17.3

50' W of Locust st

SL			6,5	19.8
bh			6,7	19.6
y			6,5	19.8
b			6,2	20.1
y			6,1	20.2
bh			6,2	20.1
NL			6,3	20.0

POSTED

		26.26		
E. 7	100'	W of	Locust	
N2			4,3	22.0
bk			4,1	22.2
y			4,1	22.2
b			4,0	22.3
y			3,8	22.5
bk			4,0	22.0
S2			4,2	22.1
	150'	W of	Locust st	
S2			2,0	24.3
bk			2,0	24.3
y			2,2	24.1
b			2,5	23.8
y			2,8	23.5
bk			3,5	22.8
N2			2,8	23.5
TP	11,30	37.26	0,30	25.96

		37.26		Newell st
	200'	W of	Locust st	
N2			10,6	26.7
bk			10,6	26.7
y			10,8	26.5
b			10,9	26.4
y			11,2	26.1
bk			11,1	26.2
S2			10,7	26.6
	250'	W of	Locust st	
S2			8,3	29.0
bk			8,3	29.0
y			8,2	29.0
b			8,0	29.3
y			7,5	29.8
bk			7,0	30.3
N2			6,0	31.3

		37.26			
	300'	w =	E Sin	of Elm	st (70')
nL			+1,0	38,3	
bh			0,0	37.3	
y			1,3	36.0	
b			2,0	35.3	
y			2,8	34.5	
bh			3,5	33.8	
SL			4,0	33.3	
TP	11,52	48.61	0,17	37.09	
	W Sin	of	Elm st		
SL			5,6	43.0	
bh			4,3	44.3	
y			1,8	46.8	
b			0,0	48.6	
TP	12,45	60.44	0,62	47.99	
y			9,2	51.2	
bh			7,2	53.2	
nL			5,1	55.3	

		60.44		Newell st	
	25'	w of	Elm	st	
SL			12,4	48.0	
bh			11,0	49.4	
y			8,5	51.9	
b			6,0	54.4	
y			3,3	57.1	
bh			0,8	59.6	
nL			+1,0	61.4	
	50'	w of	Elm	st	
SL			6,8	53.6	
bh			4,5	55.9	
y			2,6	57.8	
b			0,0	60.4	
TP	12,24	71.62	1,06	59.38	
y			7,8	63.8	P
bh			5,8	65.8	
nL			4,2	67.4	

7/62

	75'	w of	Elm	st
h2			+2.0	73.6
bh			0.6	71.0
y			2.1	68.5
b			5.0	66.6
y			7.8	63.8
bh			10.6	61.0
S2			12.8	58.8
	100	w of	Elm	st
S2			8.4	62.2
bh			7.0	64.6
y			4.0	67.6
b			1.5	70.1
	125'	w of	Elm	st
S2			5.7	65.9
bh			3.0	68.6
y			1.2	70.4
b			+0.5	72.1

7/62 Newell st

	150'	w of	elm st	
S2			5.6	66.0
bh			3.2	68.4
y			0.0	71.6
TP	12.42	8.50	0.36	71.26
	100	w of	Elm	
h2			6.0	77.5
bh			8.1	75.4
y			10.8	72.7
	125'	w of	Elm	st
h2			2.4	81.1
bh			4.6	78.9
y			7.3	76.2
	150'	w of	Elm	
h2			0.0	83.5
bh			3.3	80.2
y			6.0	77.5
b			9.5	74.0 *

87

8350

	175'	W of	Elm	st
N2			0,0	83.5
bk			2,5	81.0
y			5,6	77.9
b			9,4	74.1
y			11.0	72.5
	200'	W of	Elm	st
N2			10,4	83.9
bk			2,1	81.4
y			6,0	77.5
b			9,7	73.8
y			13,4	70.1
	225'	W of	Elm	st
N2			0,5	83.0
bk			3,5	80.0
y			7,2	76.3
b			11,1	72.4

8350 Newell st

	250'	W of	Elm	st
N2			1,8	81.7
bk			5,6	77.9
y			8,9	73.6
b			14.0	69.5
TP	0,43	7150	12,43	71.07
	175'	W of	Elm	st
S2			6,5	65.0
bk			3,6	67.9
	200'	W of	Elm	st
S2			7,8	63.7
bk			5,2	66.3
	225'	W of	Elm	st
S2			10,3	61.3
bk			7,4	62.1
y			3,8	67.7

POSTED

7150

	250'	W of	Elm St	
S2			1,40	57.5
bk			11,0	60.5
y			7,0	64.5
	300'	W =	82 Willow St	70'
N2			10,5	72,0
bk			1,7	69.8
y			4,5	67.0
bk			7,8	63.7
y			12,3	59.2
TP	0,58	S-987	12,21	S-929
bk			6,6	53.3
S2			9,6	50.3
	W Line of		Willow	

S-987 New elk st

	W Line of		Willow	
N2			1,3	58.6
bk			5,0	54.9
y			8,3	51.6
bk			12,0	47.9
TP	4,56	S263	11.80	48,07
y			9,6	43.0
bk			11,2	41.4
S2			13,5	39.1
	25'	W of	Willow St	
N2			0,0	52.6
bk			2,7	49.9
y			6,6	46.0
bk			9,6	43.0
y			12,0	40.6

5263

50' W of Wilson st

N2			5.0	50.6
bk			7.0	45.6
4			10.0	42.6
b			12.5	40.1
TP	627	4662	12.28	40.35
4			8.7	37.9
bk			10.7	35.9
S2			11.8	34.8

25' W of Wilson

S2			10.5	36.1
bk			8.7	37.9

4662 Newell st

75' W of Wilson st

S2	RR Bank		5.2	41.4
bk			12.4	34.2
4			10.0	36.6
b			8.5	38.4
N			6.5	40.1
bk			4.0	42.6
N2			2.2	44.4

100' W of Wilson

N2			6.0	40.6
bk			7.6	39.0
4			10.0	36.6
b			13.0	33.6
4			6.3	40.3
bk			4.9	41.7
S2	Center of RR		4.9	41.7

POSTED

4662

	125'	w of	willow	
S2			5.0	41.6
bk			4.3	42.3
4			4.5	42.1
6			4.4	42.2
2			9.2	37.4
+7'			11.6	35.0
bk			10.3	36.3
N2			9.5	37.1
	150'	w of	willow	
N2			8.2	38.4
bk	RR Bank		3.6	43.0
4			3.8	42.8
6			4.0	42.6
2			3.6	43.0
bk +5			4.6	42.0

4662

Newell 2

	475'	w of	willow	
N2			3.1	43.6
bk			3.2	43.6
4			3.2	43.6
+5'			4.0	
6			1.6	45.0
	185'	w of	willow	
N2	Center of RR		3.1	43.5
	200'	w of	willow	
N2			2.5	44.1
bk			2.6	44.0
	210'	w		
N2			2.9	43.7
TP	125-2	5-7-54	1.5-6	45.06
	135'	w of	willow	
S2	Top of RR Cut		5.0	52.6
	150'	w of	willow	
S2			4.5	53.1
bk			7.0	50.6

		57.58		
	175'	w. of	Willow	
SL			1,0	56.6
bh			3,6	54.0
"			7,7	49.9
	200'	w. of	willow	
SL	200'		+1,8	59.4
bh			1,0	56.6
"			2,4	55.2
b			5,8	51.8
"			9,0	48.6
	225'	w. of	Willow	
NL	70 of RR bot		7,6	50.0
bh			5,5	52.1
"			1,2	56.4
TP	1270	69.36	0,92	56.66
b			9,5	59.9
"			7,5	61.9
bh			5,2	64.2
SL			3,8	65.6

		69.36		Newell St
	250'	w. of	Willow	
NL			12,4	57.0
bh			8,7	60.7
"			5,7	63.7
b			3,7	65.7
"			2,0	67.4
bh			0,2	69.2
TP	12.55	81.30	0.61	68.75
SL			10,6	70.7
	275'	w. of	Willow	
SL			4,4	76.9
bh			5,6	75.7
"			8,0	73.3
b			10,5	70.8
"			12,0	~~57.4~~
bh			13,8	~~55.6~~
NL			16,7	~~52.7~~ 64.6

P

POSTED

		81.30			
	300'	w =	E Sin of Plum st (7.0')		
nL			11.5	69.8	
bh			9.0	72.3	
y			6.8	74.5	
b			4.5	76.8	
y			2.3	79.0	
bh			0.6	80.7	
SL			0.0	81.3	
TP	12.86	93.43	0.53	80.57	
TP	5.00	95.98	2.45	90.98	SW H Plum
	W Sin of Plum st				
SL			5.0	91.0	
bh			5.7	90.3	
y			6.0	90.0	
b			7.7	88.3	
y			9.8	86.2	
bh			11.5	94.5	
nL			12.7	83.3	

		95.98		Prewell St	
	25'	w of	Plum st		
nL			9.5	86.5	
bh			7.9	88.1	
y			6.6	89.4	
b			5.3	90.7	
y			4.4	91.6	
b			3.7	92.3	
SL			2.8	93.2	
	50'	w of	Plum st		
SL			+1.0	97.00	
bh			0.7	95.3	
y			1.9	94.1	
b			2.9	93.1	
y			4.1	91.9	
bh			5.7	90.3	
nL			6.3	89.7	

POSTED

		9598		
	75'	W. of	Plum st	
NL			2,6	93.4
bh			1,6	94.4
y			1.1	94.9
T.P.	13,00	10897	0,01	9597
b			13,00	96.0
y			11,8	97.2
bh			11,3	97.7
SL			10,5	98.5
	100'	W of	Plum st	
SL			9,0	100.0
bh			9,3	99.7
y			9,6	99.4
b			10,4	98.6
y			11,3	97.7
bh			12,4	96.6
			13,0	96.0

		10897 ✓		Newell st
	150'	W of	Plum	st
NL			7,8	101.2
bh			7,2	101.8
y			6,5	102.5
b			5,8	103.2
y			5,4	103.6
bh			4,9	104.1
SL			4,6	104.4
	200'	W of	Plum	= Pueblo Line (W L & Roseville
SL			+0,4	109.4
bh			+0,6	109.6
y			0,2	108.8
b			0,8	108.2
y			1,1	107.9
bh			1,5	107.5
NL			2,1	106.9

POSTED

Clough allow wadi

Crossection of Olyphant St (70')
E Sin of Shafter st to P.L. W.L. of Roseville

Act 808

	410	1021		611	BM WL 14 + Rascon
TP	2,75	707	589	432	
TP	3,30	HI 394	643	64	SE Scott
	W Sin of Shafter st				
SL			7,6	- 3.7	
bl			7,7		
4			7,7		
b			7,6	- 3.7	
4			7,7		
bl			7,8		
NL			7,8	- 3.9	
	50' w of Shafter st				
NL			7,7	- 3.8	
bl			7,6		
7			7,7		
b			7,6	- 3.7	
4			7,5		
bl			7,5		
SL			7,3	- 3.4	

POSTED

		394		Olyphant st	
	100' w of Shafter				
SL			7,0	- 3.1	
bl			7,0		
4			7,0		
b			7,2	- 3.3	
4			7,0		
bl			7,2		
NL			7,2	- 3.3	
	150' w of Shafter st				
NL			6,6	- 2.7	
bl			6,8		
4			6,8		
b			6,8	- 2.9	
4			6,8		
bl			6,7		
SL			6,5	- 2.6	

POSTED

	200'	w of	Shafter	
SL			5.6	-1.7
bb			5.6	
y			5.5	
b			5.5	-1.6
y			5.2	
bb			5.4	
NL			5.3	-1.4
	250'	w of	Shafter	
NL			4.3	-0.4
bb			4.3	
y			4.4	
bb			4.4	-0.5
y			4.5	
bb			4.5	
SL			4.4	-0.5

	300'	w =	c L of	Scott st (50')
SL			3.4	+0.5
bb			3.4	
y			3.5	
b			3.5	+0.4
y			3.6	
bb			3.4	
NL			3.3	+0.6
	E bb of		Scott st	
SL			3.0	0.9
bb			3.3	
y			3.3	
b			3.1	
y			3.3	
bb			3.3	
NL			3.3	-0.6

POSTED

394

E 1/4 of Scott st

NS			3,0	0.9
bh			2,8	
"			2,0	
b			2,4	1.5
"			2,4	
bh			2,3	
SS			2,4	1.5

Center of Scott st

SS			2,3	1.6
bh			2,2	
"			2,2	
b			2,2	1.7
"			1,9	
bh			2,2	
NS			2,9	1.0

394 Oliphant st

W 1/4 of Scott st

NS			2,7	1.2
bh			2,4	
"			2,0	
b			2,1	1.8
"			2,2	
bh			2,2	
SS			2,4	1.5

W bh of Scott st

SS			2,2	1.7
bh			2,2	
"			2,2	
b			2,1	1.8
"			2,0	
bh			2,5	
NS			2,5	1.4

POSTED

394

	W line of		Scott st	
M2			2,4	1.5
bl			2,3	
y			2,2	
c			2,1	1.6
y			2,2	
bl			2,1	
S2			2,0	1.9
TP	6,06	839	1,61	2,35
	50'	W of	Scott st	
S2			6,0	N.Y
bl			6,0	
y			6,1	
b			6,2	N.N
y			6,3	
bl			6,4	
M2			66	1.5

839 Allphand st

	100'	W of	Scott	st
M2			6,3	N.1
bl			6,3	
n			6,2	
b			5,9	N.6
y			5,7	
bl			5,6	
S2			55	N.9
	150	W of	Scott	st
S2			4,9	3.5
bl			5,2	
y			5,4	
b			5,4	3.0
y			57	
bl			5,7	
M2			5,7	N.7

POSTED

		839		
	200'	W of	Scott st	
NL			5.0	3.4
bh			4.9	
"			4.8	
l			4.7	3.7
"			4.6	
bh			4.4	
SL			4.3	4.1
	250'	W of	Scott st	
SL			2.9	5.5
bh			2.6	
"			2.0	
b			2.8	5.6
"			3.2	
bh			3.5	
NL			3.5	4.9

		839		Allephant st.
	300'	W =	E S of	Rosecrans st (100')
NL			3.5	4.9
bh			3.5	
"			4.0	
l			3.8	4.6
"			3.4	
bh			3.2	
SL			3.0	5.4
TP	985	1430	394	445
	W Sin of		Rosecrans st	
SL			7.8	6.5
bh			8.0	
"			7.9	
b			8.0	6.3
"			8.1	
bh			8.0	
NL			8.0	6.3

14.30

	50'	w of	Rosecrans st	
N2			6.7	9.6
1h			6.6	
4			6.5	
6			5.7	8.6
10			6.0	
6h			6.1	
S2			6.1	8.N

	100	w of	Rosecrans st	
S2			4.7	9.6
6h			5.1	
1			5.0	
6			4.9	9.N
1			4.9	
6h			5.0	
N2			5.4	9.9

14.30 Alishan st

	150	w of	Rosecrans st	
N2			4.5	9.8
1h			4.4	
4			4.2	
6			4.1	10.N
4			3.8	
6h			3.6	
S2			3.2	11.1

	200	w of	Rosecrans st	
S2			2.8	11.5
6h			2.9	
4			3.2	
6			3.5	10.8
4			3.5	
6h			3.6	
N2			3.6	10.7

POSTED

		14.30		
	250	w of	Roscoe's st	
nl			2,40	11.9
bh			2,30	
y			2,30	
b			2,30	12.0
y			2,20	
bh			2,0	
sl			1,9	12.4
TP	10,50	24.26	054	13.76
	300	w = E l of	Locust st (70')	
sl			10,6	13.7
bh			10,5	
y			10,7	
b			11,0	13.3
y			11,2	
bh			11,4	
nl			11,4	12.9

		24.26		Elephant st
	W Sin of	Locust		
nl			10,0	14.3
bh			9,9	
y			9,7	
b			9,6	14.7
y			9,4	
bh			9,1	
sl			8,8	15.5
	50	w of	Locust st	
sl			7,5	16.8
bh			7,7	
y			7,9	
b			8,1	16.2
y			8,2	
bh			8,2	
nl			8,1	16.2

POSTED

		24.26		
	100'	W of	Locust st	
NR			5,1	19.2
bl			5,3	
y			5,5	
b			5,4	18.9
y			5,4	
bl			5,2	
SR			5,3	19.0
	150'	W of	Locust st	
TR	12,95	36.69	0,52	23.74
SR			13,2	23.5
bl			12,4	
b			12,6	
b			11,7	25.0
y			11,0	
bl			10,4	
NR			10,0	26.7
TP	12,23	47.74	11,8	35.51

		47.74		Olliphant st
	200'	W of	Locust st	
SR			10,5	37.2
bl			10,0	
y			9,0	
b			8,1	39.6
y			8,5	
bl			7,7	
NR			7,3	40.4
	250'	W of	Locust st	
TR	11.68	59.19	0,23	47.51
NR			4,8	54.4
			5,3	
			5,8	
			6,5	54.7
			7,6	
			8,1	
			8,5	50.7
TP	11.70	70.22	0.67	58.52

		70.22			
	300'	W = E S of	Elm st (70')		
SL			4,6	65.6	
bl			4,0		
y			3,0		
b			1,6	68.6	
y			0,9		
bl			0,6		
nL			0,2	70.0	
TP	12.20	82.27	0.15	70.07	
TP	12.64	94.13	0,78	81.49	
	W Sin	of	Elm st		
nL			3.71	90.42	Bm nw Elm
bl			4,3		
y			5,0		
b			6,0	88.1	
y			6,4		
bl			7,2		
SL			7,9	86.2	

		94.13		Oliphant st
TP	12.38	105.74	0.77	93.36
	25'	w of	Elm	st
SL			12,6	93.1
b			11,8	93.9
nL			10,0	95.7
	50'	w of	Elm	st
nL			2,5	103.2
b			3,2	102.5
SL			4,4	101.3
TP	12.38	117.58	0,54	1[illegible].20
TP	12.26	129.47	0.37	117.21
	100'	w of	Elm	st
SL			12,7	116.8
b			11,7	117.8
nL			10,5	119.0
TP	12,52	141.45	0,54	128.93

		141.45		
	150	w of	Elm st	
NL			7.20	134.2
b			9.0	132.4
SL			12.0	129.4
TP	12.52	153.37	0.60	140.85
	200'	w of	Elm st	
SL			13.2	140.2
b			10.5	142.9
NL			7.1	146.3
	250'	w of	Elm st	
NL			0.0	153.4
b.			3.5	149.9
SL			10.0	143.4
	300'	w =	EL of Willow St	
SL			13.3	140.1
b			4.1	149.3
TP	4.51	157.32	0.56	152.81
NL			0.5	156.8

		157.32		Olyphant st	
TP	1.10	148.20	10.22	147.10	n w of Willow
	W Line of		Willow st		
NL			1.10	137.2	
b			11.4	136.8	
TP	0.46	137.24	11.42	136.78	
SL			12.8	124.4	
	50'	w of	Willow st		
NL			2.5	134.7	
b			12.0	125.2	
TP	0.92	126.26	11.90	125.24	
SL			11.8	114.6	
	100'	w of	Willow st		
NL			4.8	121.5	
TP	0.39	115.15	11.50	114.76	
b			3.4	111.7	
SL			12.8	102.3	

POSTED

		115.15			
	150	w of	Willow		
NL			4,9	110.2	
TP	0,66	104,27	11,54	103.61	
b			2,6	101.7	
SL			11,8	92.5	
	200'	w of	Willow		
NL			4,4	99.9	
b			12,6	91.7	
TP	0,23	92,53	11,97	92.30	
SL			12,7	79.8	
	250'	w of	Willow		
NL			6,9	85.6	
TP	0,20	81.11	11,62	80.91	
b			6,0	75.1	
	300'	w of =	EL of	Plum	(70')
NL			9,3	71.8	
TP	0.58	72,36	9,33	71,78	NE H Plum

		72.36		Ollyphant	
	250	w of	Willow		
SL			7,2	65.2	
TP	0,23	60.69	11,90	60.46	
	300'	w =	EL of	Plum st 70'	
b			2,3	58.4	
SL			12,6	48.1	
	W line	of	Plum st		
NL			3,37	57.32	Bm # NW Plum
TP	4,72	54.14	11,27	49.42	
b			8,5	45.6	
SL			13,7	40.4	
	25'	w of	Plum st		
NL			5,6	48.5	
b			11,2	42.9	
SL			12,4	41.7	
	45'	w of	Plum		
SL			4,0	50.1	

5414

	50'	w of	Plum	
NL			10.5	43.6
b			12.5	41.6
SL			4.0	50.1
	75'	w of	Plum	
SL			4.5	40.6
b			8.9	45.2
NL			11.7	42.4
	100'	w of	Plum	
NL			11.1	43.0
b			2.8	51.3
	125'	w of	Plum	
NL			2.6	51.5
b			2.0	52.1
	150'	w of	Plum	
NL			2.1	52.0
	160'	w of	Plum	
NL			2.8	51.3

5414 Alyphant v

48

TP	11.49	65.05	0.58	53.56	
	160'	w of	Plum		
SL			7.5	57.5	
	125	w	of Plum		
SL			22	62.8	
	190'	w of	Plum		
NL			7.1	57.9	
	200'	w =	Pueblo Sin	West end	
NL			4.9	60.1	
	150'	w of	Plum		
b			4.6	60.4	
TP	9.63	73.48	1.20	63.85	
SL			6.0	67.5	
	200'	w =	Pueblo Sin		
Center			3.84	69.64	BM H Pueblo Sin 6[illegible]
TP	9.97	79.61	3.84	69.64	
	200'	w =	Pueblo Sin		
SL			0.9	[illegible]	787

POSTED

Benches on Santa Barbara St

Bm	5.48	201.14		195.66	Wheelers monument newport + Santa Barbara
TP	11.68	208.27	4.55	196.59	
Bm			8.60	199.67	NW H + RP 50' W of SW Niagara
TP	11.06	217.13	2.20	206.07	
TP	10.92	227.98	0.07	217.06	
Bm			8.38	219.60	HRP 50 W of SW Cor Narragansett
TP	11.33	239.25	0.06	227.92	
TP	11.43	248.49	2.19	237.06	
Bm			8.35	240.09	RP 50' W of SW H Del Monte
TP	10.30	258.39	0.40	248.09	
TP	5.55	263.58	0.36	258.03	
Bm			5.17	258.41	RP 50 W SW H Santa Cruz
TP	1.97	254.46	11.09	252.49	
Bm	9.52	255.63	8.30	246.11 ~~246.16~~	RP 50' W SW Pacific
TP	5.11	260.17	0.57	255.06	
Bm			3.10	257.07	RP H 20' W SW Del Mar
Bm			3.74	256.43	20 E of NE
					Pisoudero

260.17

Benches on Venice St

TP	1.68	249.87	11.98	248.19	
TP	1.02	238.93	11.96	238.91	
TP	4.60	233.98	9.75	229.18	
Bm			7.05	226.93	SW H of Del Mar Venice
Bm	2.03	231.21	4.60	229.18	SW H of Pacific
Bm	1.18	221.21	11.18	220.03	SW H Santa Cruz
Bm	2.12	215.13	8.20	213.01	SW H Del Monte
Bm	5.67	212.97	7.83	207.30	SW H Narragansett
TP	10.17	222.98	0.16	212.81	
Bm			5.62	217.36	SW H Niagara
TP	9.40	230.32	2.06	220.92	NW H Niagara
Bm	8.24	237.58	1.08	229.24	
			4.97	232.50	SW H Newport
TP			11.79	225.69	TP 100' W Newport
TP	2.12	227.98	11.82	225.66	
	0.72	217.06	11.44	216.34	
	1.83	208.09	11.80	205.26	
			11.42	296.67	Bm Mon

TP	0,95	226.64		225.69	TP
TP	1,87	217.07	11.44	215.20	
BM TP	0.74	207.06	10.75	206.32	SW H Santa Monica
TP	1,38	196.74	11.70	195.36	
TP	0.73	185.55	11.92	184.82	
BM			4.14	181.41	SW H Sarratoga
TP	0.91	174.96	11.50	174.05	
TP	2.20	165.94	11.22	163.74	
BM			5.60	160.34	SW H Cole Mag
TP	3.50	160.44	9.00	156.94	
BM			7.60	152.84	SW H Brighton

Crossection of Venice St (60') 160.4
Line Brighton St to Orchard

Pueblo Line Center of Brighton St (60') 50

160.44

WL			6.6	153.8
BL			6.5	153.9
7			6.6	153.8
C			7.0	153.4
7			6.8	153.6
BL			7.3	153.1
EL			7.3	153.1

S Line of Brighton St 30' S of PL

EL			7.2	153.2
BL			7.0	153.4
7			6.8	153.6
C			7.2	153.2
7			7.1	153.3
BL			7.2	153.2
WL			7.3	153.1

POSTED

16044

	50'	S of	Brighton	
WL			7,8	1√2.6
bh			7,8	
y			7,4	
b			7,3	1√3.1
y			7,1	
bh			7,3	
EL			7,6	1√2.8
	100'	S of	Brighton	
EL			7,2	1√3.2
bh			7,2	
y			7,3	
b			7,4	1√3.0
y			7,5	
bh			7,7	
WL			7,9	1√2.5

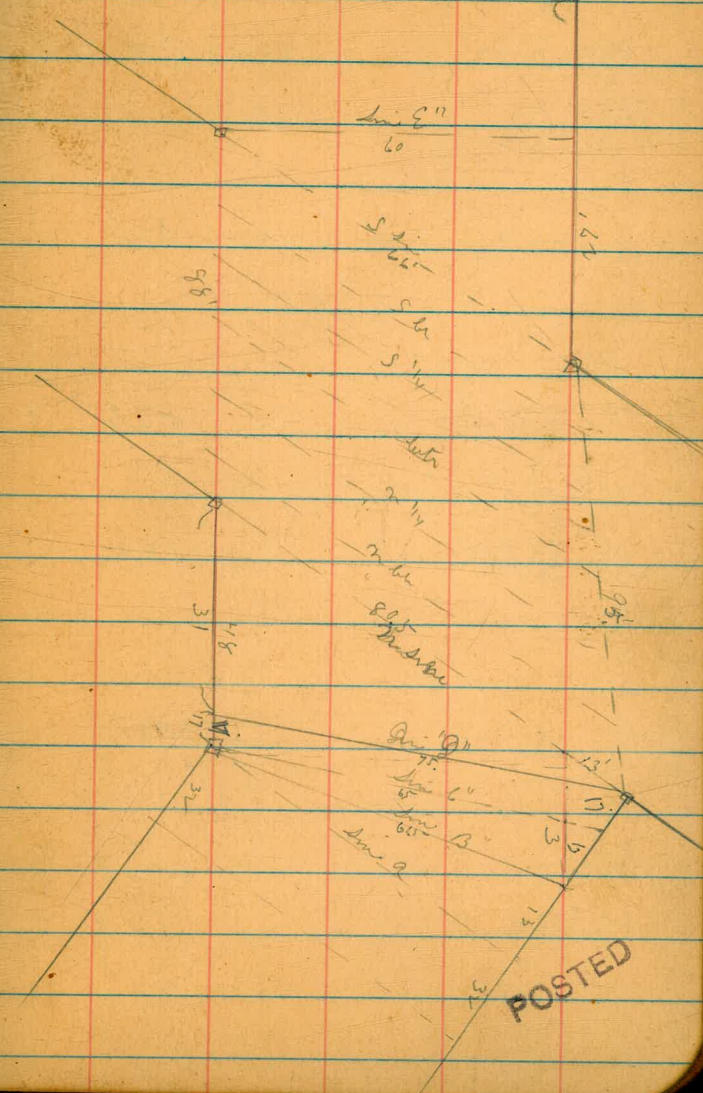
16044 Venice

	150'	S of	Brighton	
WL			7,4	1√3.0
bh			7,2	
y			7,1	
b			6,8	1√3.6
y			6,8	1√3.6
bh			6,6	
EL			6,5	1√3.8
	200'	S of	Brighton	
EL			5,7	1√4.7
bh			5,6	
y			5,7	
b			6,0	1√4.4
y			6,1	
bh			6,2	
WL			6,3	1√4.1

160.44

	250'	S of	Brighton	
ns			4,9	155.5
bl			4,8	
y			5,0	
b			4,8	155.6
y			4,9	
bl			4,8	
Et			4,7	155.7
	282'	S of	Brighton sin "a"	
Et			3,8	156.6
bl			4,0	
y			4,0	
b			3,8	156.6
y			4,0	
bl			4,2	
ns			4,2	156.2

Posted



POSTED

		16044		
Sin B	295'	S on W	Sin 282 on E	
Wh			4,0	156.4
			3,9	
y			3,7	
b			3,8	156.6
y			3,8	
bl			4,0	
Et			3,8	156.6
Sin C				
Et			3,8	156.6
bl			3,8	
y			3,6	
b			3,6	156.8
y			3,6	
bl			3,6	
Wh			3,4	157.0

		16044		Venice st
Sin D				
Wh			3,2	157.2
bl			3,2	
y			3,2	
b			3,0	157.4
y			3,2	
bl			3,2	
Et			3,4	157.0
	Sin of Cope May st			
Et			2,5	157.9
bl			2,6	
y			2,5	
b			2,7	157.7
y			2,8	
bl			3,0	
Wh			3,2	157.2

16044

N bk of Cape May

wk			2,5	157.9
bk			2,5	
y			2,4	
b			2,2	158.2
y			2,2	
bk			2,0	
Et			2,0	158.4

N 1/4 of Cape May

Et			1,5	158.9
bk			1,5	
y			1,6	
b			1,6	158.8
y			1,7	
bk			2,0	
wk			2,1	158.3

16044 Venice st

Center of Cape May

wk			1,6	158.8
bk			1,5	
y			1,3	
b			1,4	159.0
y			1,3	
bk			1,0	
Et			1,3	159.1

S 1/4 of Cape May st

Et			0,4	160.0
bk			0,6	
y			0,6	
b			0,6	159.8
y			0,9	
bk			1,0	
wk			1,1	159.3
	11,27	16919	2,52	157.92

2 E H Cape May

16919

S bb of Cape May

Wh	9,3	159.9
bl	9,1	
"	9,0	
b	9,0	160.2
"	9,0	
bl	9,0	
Eh	8,5	160.7

S Sin of Cape May

Eh	8,4	160.8
bl	8,2	
"	8,4	
b	8,5	160.7
"	8,5	
bl	8,4	
Wh	8,8	160.4

16919 Venice Sr

Sin E = 27' S of Cape May on W = SE bar on E

Wh	8,0	161.2
bl	7,8	
"	7,5	
b	8,0	161.2
"	8,0	
bl	8,0	
Eh	8,4	160.8

~~50~~ 77' S of Cape May

Eh	6,2	163.0
	6,1	
"	6,0	
b	5,9	163.3
"	5,6	
bl	5,8	
Wh	5,9	163.3

POSTED

		169.19		
	127'	S of	Cape May	
WL			3.6	165.6
bl			3.6	
"			3.6	
b			3.8	165.4
"			3.8	
bl			3.8	
EL			4.0	165.2
	177'	S of	Cape May	
EL			1.4	167.8
bl			1.3	
"			1.2	
b			1.2	168.0
"			1.6	
TP	11.31	179.60	0.90	168.29
bl			11.7	
WL			11.7	167.9

		179.60		Venice st
	227'	S of	Cape May st	
WL			8.9	170.7
bl			9.0	
"			9.3	
b			9.1	170.5
"			9.0	
bl			9.0	
EL			9.0	170.6
	277'	S of	Cape May	
EL			6.2	173.4
bl			6.3	
"			6.3	
b			6.5	173.1
"			6.7	
bl			6.3	
WL			6.2	173.4

		17960			
	3296' ~~330'~~	S = N Lin Saratoga		(80') (88') on Venier	
WL			3,0	176.6	
bl			3,3		
y			3,6		
b			3,6	176.0	
y			3,4		
bl			3,4		
EL			3,4	176.2	
	N bl of		Saratoga		
EL			2,4	177.2	
bl			2,6		
y			2,6		
b			2,6	177.0	
y			2,9		
bl			2,5		
WL			2,4	177.2	
TP	11,68	18902	2,26	177,34	

		18902		Venier st
	N 1/4	of	Saratoga st	
WL			10,6	178.4
bl			10,8	
y			11,0	
b			11,2	177.8
y			11,1	
bl			11,0	
EL			11,0	178.0
	Center	of	Saratoga	
EL			10,2	178.8
bl			10,2	
y			10,4	
b			10,3	178.7
y			10,6	
bl			10,2	
WL			10,0	179.0

1890

S ¼ of Saratoga

WR	9,4	179.6
bb	9,4	
4	9,7	
b	9,7	179.3
4	9,6	
bb	9,5	
EL	9.5	179.5

S bb of Saratoga

EL	8,6	180.4
bb	8,7	
4	8,9	
b	8,8	180.2
4	8,6	
bb	8,6	
WR	8,5	180.5

1890 Venus

S bb of Saratoga

WL	7,6	181.1 ✓
bb	7,7	
4	8,1	
b	7,8	181.2
4	8,0	
bb	8,0	
EL	7,8	181.2 ✓

50 S of Saratoga

EL	5-1	183.9 ✓
bb	5-0	
4	5-2	
b	5-0	184.0
4	5-1	
bb	5-0	
WL	4,6	184.4 ✓

		18902		
	100'	S of	Saratoga	
Wh			2,0	187.0
bl			2,2	
y			2,6	
b			2,7	186.3
"			2,5	
bl			2,6	
Et			2,7	186.3
TP	10,63	19904	0,61	188.41
	150'	S of	Saratoga	
Et			10,6	188.4
bl			10,5	
y			10,3	
b			10,2	188.8
y			10,2	
bl			9,9	
Wh			9,6	189.4

		19904		Venice st
	200'	S of	Saratoga st	
Wh			6,9	192.1
bl			7,2	
y			8,0	
b			7,8	191.2
y			8,1	
bl			8,4	
Et			8,6	190.4
	250'	S of	Saratoga	
Et			6,2	192.8
bl			5,9	
y			5,6	
b			5,7	193.9
y			5,0	
bl			4,4	
Wh			4,1	194.9

19904

	30	S of	Saratoga	
W2			1.1	197.9
bk			1.6	
4			2.4	
L			2.6	196.4
4			2.8	
bk			3.0	
E2			3.6	195.4
	32 96', 33 E	S ½ N line of	Santa Monica (80)	
E2			1.4	197.6
bk			1.0	
4			0.8	
TP	10 W	20864	0.61	1993
L			9.9	198.7
4			9.5	
bk			8.9	
W2			8.7	199.9

20864

	N bk	of	Santa	Monica
W2			7.6	201.0
bk			7.9	
4			8.4	
L			8.5	200.1
4			9.0	
bk			9.2	
E2			9.3	199.3
	N ¼	of	Santa Monica	
E2			8.3	200.3
bk			8.0	
4			7.7	
L			7.6	201.0
4			7.6	
bk			7.2	
W2			6.7	201.9

20864

Center of Santa Monica

W2			5,8	202.8
11			6,0	
1			6,4	
2			6,7	201.9
1			7,0	
11			7,0	
E2			7,3	201.3

S 1/4 of Santa Monica

E2			6,4	202.2
11			6,1	
1			6,0	
2			5,4	203.2
1			5,8	
11			5,0	
W2			4,6	204.0

20864

Venice

S 1/2 of Santa Monica

W2			3,5	205.1
11			3,8	
1			4,2	
2			4,3	204.3
1			4,7	
11			5,5	
E2			6,0	202.6

S 1/2 of Santa Monica

E2			5,4	203.2
11			5,0	
1			4,6	
2			4,1	204.1
1			4,0	
11			3,7	
70 W2	1183	21815	2,32	2063

POSTED SMM

21815

		218.15		
	50'	S of	Santa	Monica
Mr			7,6	210.6
bl			7,8	
"			8,2	
l			9,4	208.8
"			9,7	
bl			10,5	
Et			11,5	206.7
	100'	S of	Santa	Monica
Et			7,4	210.8
bl			6,7	
"			5,8	
l			5,2	213.0
"			5,2	
bl			4,2	
Mr			3,0	215.2
Tp	11,04	228,45	0,74	217,41

		228.45		Venice St
	150'	S of	Santa	Monica
Mr			9,0	219.5
bl			9,4	
"			9,6	
l			10,6	217.9
"			11,2	
bl			12,0	
Et			13,2	215.3
	200'	S of	Santa	Monica
Et			8,4	220.1
bl			7,7	
"			7,1	
l			6,6	221.9
"			6,3	
bl			5,4	
Mr			5,0	223.5

22845

	250'	S of	Santa	Fronica
M2			1,4	227.1
M			1,4	
4			1,7	
1			2,3	226.2
2			2,4	
M			3,3	
E2			4,1	224.4
1 P	9,87	23629	2,03	22642
	300'	S of	Santa	Fronica
E2			8,0	226.3
M			7,4	
4			7,0	
1			6,6	229.7
2			6,4	
M			6,1	
M2			6,0	230.3

23629

Fronica 25

	376'	S of	Santa	Fronica
M2			5,0	231.3
M			4,9	
4			5,0	
1			5,2	231.1
2			5,6	
M			5,9	
E2			6,4	229.9

376' S on West + 339' S on East (angle)

E2			5,6	230.7 ~~228.7~~
M			5,5	
4			5,2	
1			5,0	231.3 ~~229.3~~
2			5,0	
M			4,8	
M2			5,0	231.3 ~~229.3~~

23629

329.6' S on West & 355' = N L of Newport (80')

WL		4,8	231.5
bl		4,7	
"		4,6	
b		4,6	231.7
"		4,5	
bl		4,6	
EL		4,7	231.6

N bl of Newport

EL		4,0	232.3
bl		3,9	
"		3,8	
b		4,0	232.3
"		3,9	
bl		4,0	
WL		4,3	232.0

23629 Venice st

N 1/4 of Newport st

WL		4,0	232.3
bl		3,7	
"		3,5	
b		3,5	232.8
"		3,5	
bl		3,4	
EL		3,4	232.9

Center of Newport st

EL		3,2	233.1
bl		3,0	
"		3,2	
b		3,2	233.1
"		3,4	
bl		3,6	
WL		3,9	232.4

23629

S 1/4 of New Port st

WL			3,8	232.5
bh			3,5	
y			3,4	
l			3,1	233.2
y			3,2	
bh			3,0	
EL			2,8	233.5

S bb of New Port st

EL			3,0	233.3
			3,0	
			3,2	
			3,1	233.2
			3,2	
			3,4	
			3,8	232.5

23629 Venice st

S line of New Port st

WL	2,57	235.07	3,99	232.50	SW to New Port
bh			2,2		
y			2,0		
l			1,8	233.3	
y			1,9		
bh			2,0		
EL			1,8	233.3	

50' S of New Port

EL			3,1	232.0
bh			3,2	
y			3,2	
l			3,0	232.1
y			3,0	
bh			3,1	
WL			3,3	231.8

POSTED

235-07

	100'	S of	Newport	
WL			6.0	230.1
bk			4.8	
y			4.9	
b			4.9	230.2
r			4.9	
bk			5.2	
EL			5.5	229.6
	150'	S of	Newport	
EL			8.1	227.0
bk			7.6	
y			7.3	
b			7.2	227.9
y			7.2	
bk			7.0	
WL			6.7	228.2

235-07 Venice

	200'	S of	Newport	
WL			8.4	225.7
bk			9.5	
y			9.6	
b			9.8	225.3
y			9.9	
bk			10.1	
EL			10.4	224.7
TP	341	22701	1147	223.0
	250'	S of	Newport	
EL			4.7	222.3
bk			4.2	
y			4.2	
b			4.0	223.0
y			3.8	
bk			3.8	
WL			3.6	223.4

22701

300 S = n 2 Niagara st (80')

M	6.1	220.9
ll	6.1	
y	6.2	
b	6.4	220.6
y	6.4	
ll	6.6	
E 2	7.2	219.8

n bk of Niagara

E 2	7.5	219.5
bk	7.2	
y	7.2	
b	7.0	220.0
y	6.8	
bk	6.8	
M	6.7	220.3

22701 Venice st

n 1/4 of Niagara ave

M	7.4	219.6
ll	7.4	
y	7.6	
b	7.8	219.2
y	8.1	
ll	8.0	
E 2	8.2	218.8

Center of Niagara

E 2	8.7	218.3
ll	8.5	
y	8.3	
b	8.2	218.8
y	8.2	
ll	8.1	
M	7.9	219.1

22701

S 1/4 of Niagara

Wh			8,6	218.4
bb			8,6	
y			8,7	
b			8,8	218.2
y			8,9	
bb			9,0	
Eh			9,3	217.7

Sbb of Niagara

Eh			9,9	217.1
bb			9,7	
y			9,4	
b			9,3	217.7
y			9,4	
bb			9,3	
Wh			9,2	217.8
TP	0,82	218,18	9,65	217,36

21818 Venice st

S line of Niagara Ave

Wh			0,8	217.4
bb			0,9	
y			1,1	
b			1,1	217.1
y			1,2	
bb			1,3	
Eh			1,7	216.5

50' S of Niagara

Eh			4,0	214.2
bb			3,7	
y			3,7	
b			3,5	214.7
y			3,6	
bb			3,4	
Wh			3,3	214.9

POSTED

		21818		
	100'	S of	Magara	
WL			6,7	211.5
bh			7,0	
y			7,0	
b			7,4	210.8
y			7,5	
bh			7,5	
EL			7,5	210.7
	150'	S of	Magara	
EL			10,6	207.6
bh			10,5	
y			10,4	
b			10,0	208.2
y			9,9	
bh			9,7	
WL			9,5	208.7

		21818		Venice 55
	200'	S of	Magara	
WL			11,3	206.9
bh			11,6	
y			11,7	
b			11,8	206.4
TP	7,10	21356	11,72	206.46
y			7,4	206.2
bh			7,6	
EL			7,9	205.7
	250'	S of	Magara	
EL			9,4	204.2
bh			9,2	
y			9,1	
b			8,8	204.8
y			8,5	
bh			8,1	
WL			7,7	205.9

213.56

300' S = N S Narragansett St (80')

WS			8,7	204.9
bl			9,0	
"			9,0	
b			9,5	204.2
"			9,9	
bl			10,4	
ES			10,6	203.0

N bb of Narragansett

ES			11,0	202.6
bl			10,5	
"			10,1	
b			9,7	203.9
"			9,2	
bl			9,0	
WS			8,6	205.0

213.56 Venice St

70

N 1/4 of Narragansett St

WS			8,1	205.5
bl			9,1	
"			9,5	
b			9,5	204.1
"			10,0	
bl			10,4	
ES			10,8	202.8

Center of Narragansett

ES			10,9	202.7
bl			10,5	
"			10,2	
b			9,8	203.8
"			9,4	
bl			8,8	
WS			8,2	205.4

21356

S 1/4 of Narragansett

WL			7,5	206.1
bl			8,5	
"			9,2	
l			9,7	203.9
"			10,2	
bl			10,5	
EL			10,9	202.7

Sbb of Narragansett

EL			10,9	202.7
bl			10,6	
"			10,3	
l			9,8	203.8
"			9,3	
bl			8,2	
WL			7,1	206.5

21356 Venice st

S Sin of Narragansett

WL			6,2	207.4
bl			7,5	
"			8,4	
l			9,1	204.5
"			10,0	
bl			10,6	
EL			10,9	202.7

50' S of Narragansett st

EL			10,5	203.1
bl			9,8	
"			9,0	
l			7,9	205.7
"			6,8	
bl			5,2	
WL			3,6	210.0
TP	9,83	218,59	4,80	208,76

21859

	100'	S of	Narragansett	
WL			7,0	211.6
bl			7,8	
"			8,5	
l			9,5	209.1
"			10,6	
bl			12,0	
EL			13,5	205.1
	150'	S of	Narragansett	
EL			10,2	208.4
bl			9,4	
"			8,9	
l			8,2	210.4
"			7,6	
bl			6,8	
WL			6,2	212.4

21859 Venice st

	200'	S of	Narragansett	
WL			5,5	213.1
bl			5,8	
"			6,3	
l			7,0	211.6
"			7,7	
bl			8,5	
EL			8,9	209.7
	250'	S of	Narragansett	
EL			8,2	210.4
bl			7,7	"
"			7,2	"
l			6,8	211.8
"			6,3	"
bl			5,8	"
WL			5,3	213.3

POSTED

21854

300' S = n Line of Del Monte (80')

WL			5,5	213.1
bl			5,8	
"			6,2	
b			6,6	212.0
"			6,9	
bl			7,4	
EL			7,9	210.7
TP	8,62	21931	7,90	210.69

21931 Venice st

n bl of Del monte

EL			8,6	210.7
bl			8,2	
"			7,8	
b			7,5	211.8
"			7,0	
bl			6,4	
WL			6,0	213.3

n 1/4 of Del Monte

WL			6,1	213.2
b			6,5	
"			6,9	
b			7,2	212.1
"			7,6	
bl			8,2	
EL			8,6	210.7

21931

Center of Del Monte

EL		87	210.6
		84	
		80	
		75	211.5
		72	
		66	
WL		62	213.1

S 1/4 of Del Monte

WL		64	213.1
		66	
		69	
		74	211.9
		78	
		82	
EL		87	210.6

21931 Venice st

S 8th of Del Monte

EL		86	210.7
		83	
		81	
		76	211.7
		70	
		66	
WL		63	213.0

S 8th of Del Monte st

WL		630	213.01
		67	
		70	
		74	211.9
		77	
		82	
EL		86	210.7

SW 15m

POST

21931

	50'	S of	Del Mont	
Er			8,6	210.7
ll			8,2	
y			8,0	
b			7,5-	211.8
y			7,0	
bl			6,6	
Wl			6,0	213.3

	100'	S of	Del Mont	
Wl			5,3-	213.8
ll			6,0	
y			6,6	
b			7,0	212.3
y			7,6	
bl			7,9	
Er			8,2	211.1

21981

Vernier 11

	150'	S of	Del Mont	
Er			7,4	211.9
bl			7,0	
y			6,5-	
b			5,9	213.4
y			5,4	
bl			5,0	
Wl			4,5-	214.8

	200'	S of	Del Mont	
Wl			3,8	215.5
bl			4,0	
y			4,3	
b			4,7	214.6
y			5,1	
bl			5,8	
Er			6,3	213.0

		21931		
	250	S of	Del Monte	
Et			5,0	214.3
bl			4,6	
y			4,2	
b			3,7	215.6
TP	11,07	22713	3,25	216.06
y			11,0	
bl			10,5	
Wr			10,2	216.9
	300	S = N Line of	Santa Cruz (80')	
Wr			9,5	217.6
bl			9,6	
y			9,9	
b			10,3	216.8
y			10,6	
bl			11,1	
Et			11,5	215.6

		22713		Venice st
	N bl of	Santa Cruz st		
Et			11,2	215.9
bl			10,8	
y			10,5	
b			10,2	216.9
y			9,8	
bl			9,3	
Wr			8,8	218.3
	N 1/4	of Santa Cruz st		
Wr			8,6	218.5
bl			9,0	
y			9,2	
b			9,7	217.4
y			10,1	
bl			10,5	
Et			10,8	216.3

22713

Center of Santa Cruz

El		10,4	216.7
bl		10,2	
y		9,8	
l		9,4	217.7
y		8,9	
bl		8,6	
Wh		8,2	218.9

S. 1/4 of Santa Cruz

Wh		7,7	219.4
bl		8,0	
y		8,5	
l		9,0	218.1
y		9,3	
bl		9,5	
El		9,9	217.2

22713 Venice st

S bl of Santa Cruz st

El		9,5	217.6
bl		9,2	
y		8,9	
l		8,5	218.6
y		8,1	
bl		7,7	
Wh		7,5	219.6

S Sin of Santa Cruz

Wh		7,0	220,03
bl		7,1	
y		7,4	
l		7,8	219.3
y		8,3	
bl		8,7	
El		9,0	218.1

Bm Sw ⊕

POSTED

22713

	50'	S of	Santa Cruz	
EL			7.6	219.5
bl			7.1	
7			6.7	
6			6.3	220.8
7			6.0	
bl			5.8	
MR			5.4	221.7
	100'	S of	Santa Cruz	
MR			3.5	223.6
bl			4.0	
4			4.2	
6			4.6	222.5
7			5.2	
bl			5.4	
EL			6.3	220.8

22713

Venice

	150'	S of	Santa Cruz	pt
EL			5.0	222.1
bl			4.4	
7			3.8	
6			3.2	223.9
7			2.6	
bl			2.2	
MR			1.9	225.2
TP	7.58	23307	1.64	225.49
	200'	S of	Santa Cruz	
MR			6.7	226.4
bl			7.1	
7			7.5	
6			8.0	225.1
7			8.5	
bl			9.3	
EL			9.8	223.3

23307

	250'	S of	Santa	Cruz
El			8.8	224.3
bl			8.3	
y			7.6	
b			7.2	225.9
y			6.5	
bl			6.0	
Wh			5.7	227.4
	300'	S = N ½ of	Pacific	ave
Wh			4.9	228.2
bl			5.4	
y			5.8	
b			6.3	226.8
y			6.8	
bl			7.4	
El			8.2	224.9

23307 Venice St

9

	N bl	of	Pacific	
El			7.9	225.2
bl			7.4	
y			6.9	
b			6.4	226.7
y			5.7	
bl			5.2	
Wh			4.8	228.3
	N ¼	of	Pacific	
Wh			4.6	228.5
bl			5.2	
y			5.8	
b			6.2	226.9
y			6.6	
bl			7.2	
El			7.8	225.3

23307

Center of Pacific

E2		7,7	225.4
"		7,1	
"		6,5	
"		5,9	227.2
"		5,4	
"		4,9	
W2		4,4	228.7

S 1/4 of Pacific

W2		4,0	229.1
		7,7	
		5,2	
		6,0	227.1
		6,6	
		7,0	
		7,6	225.5

23307

S of Pacific

E2	Pasted	7,4	225.7
"		6,8	
"		6,3	
"		5,8	227.3
"		5,2	
"		4,6	
"			
W2		5,7	229.4
TP	Pasted	5,87	229.18 Bm SW of Pacific

Continued in Book 420

Pasted

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TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES. 1/4		1/4 DEGREE.		1/2 DEGREE.		3/4 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		1/4 DEGREE.		1/2 DEGREE.		1/4 DEGREE.		