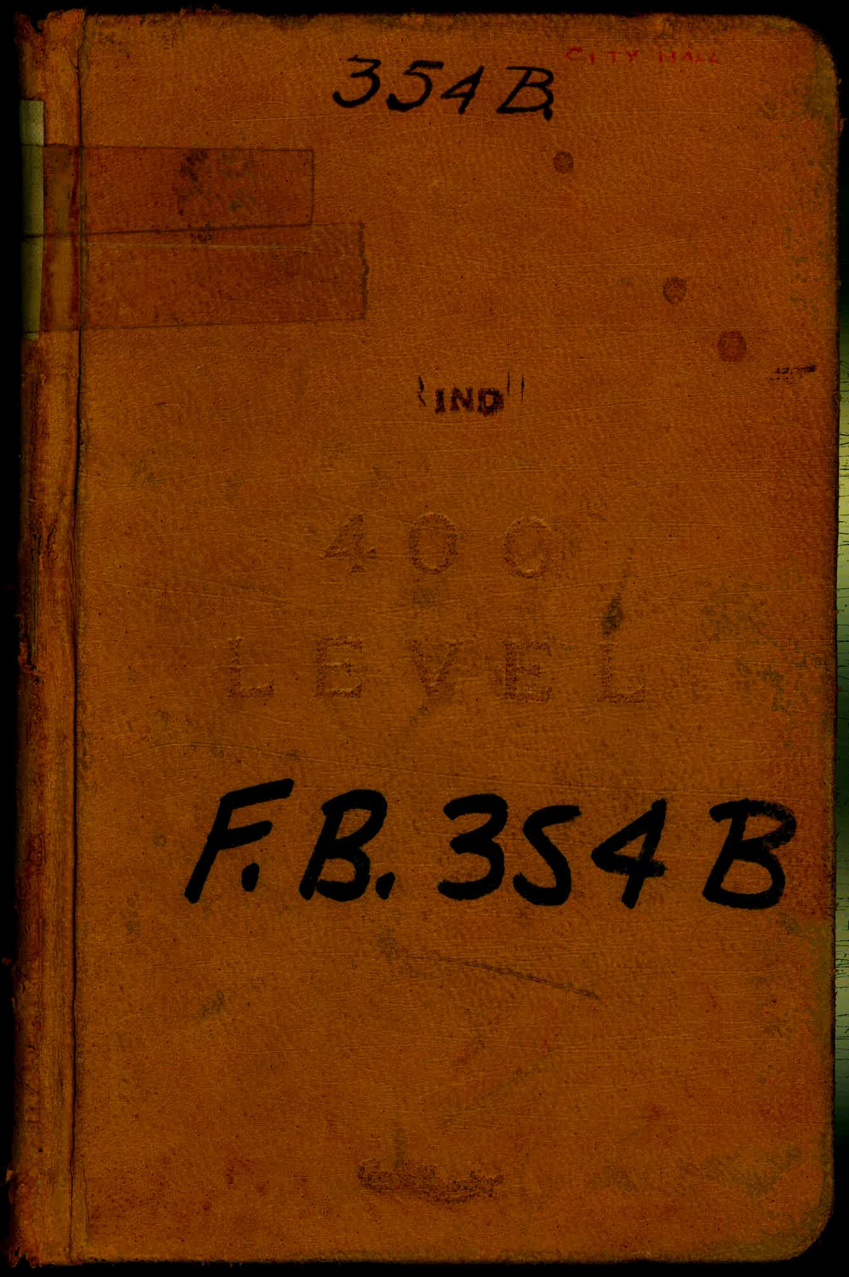
354B
CITY HALL
IND
400
LEVEL
F.B. 354B

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	53¾	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

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.

MICROFILMED
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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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7. 1

X-section Pine St from Hortensia & Witherby

" 50' 5' 1/4's

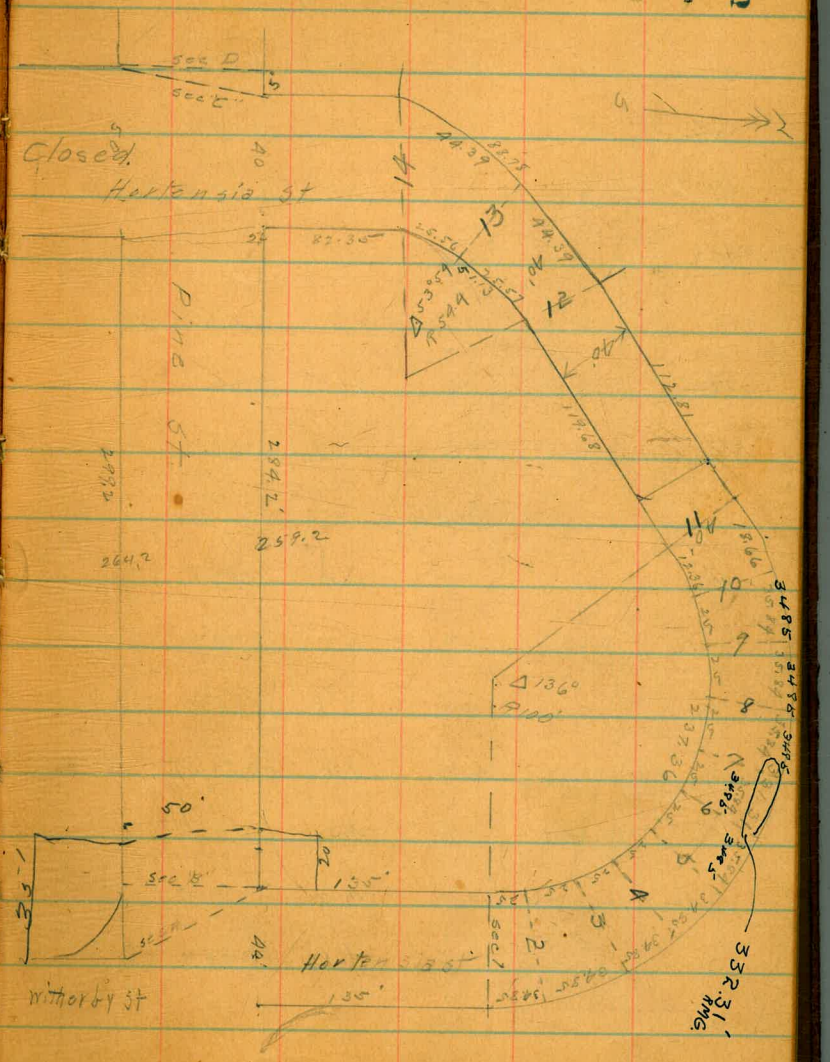
B.M. on rock	eucalyptus	Witherby & Stockton	266.39	
B.M.	3.92	270.26		
T.P.	2.28	260.87	11.67	258.59

Sec "A" W.L. Witherby

S	12.5	248.4
Crk	12.2	248.6
1/4	11.7	249.2
M	10.6	250.3
1/4	9.3	251.6
Crk	9.0	251.9
N	7.8	253.1

Sec. "B" W.L. Hortensia

N	7.8	253.1
Crk	8.5	252.4
1/4	8.6	252.3
M	9.4	251.5
1/4	9.7	251.2
Crk	9.7	251.2
S	9.7	251.2



260.87

0+75 W. of Sec B

S	6.5	254.4
Crk	6.6	254.3
"/4	7.0	253.9
M	6.9	254.0
"/4	6.3	254.6
Crk	6.2	254.7
N	5.7	255.2

0+50

N	3.4	257.5
Crk	3.9	257.0
"/4	3.7	257.2
M	4.4	256.5
"/4	4.3	256.6
Crk	4.3	256.6
S	1.0	259.9

260.87

0+75

S	1.9	259.0
Crk	2.1	258.8
"/4	2.0	258.9
M	2.0	258.9
"/4	1.4	259.5
Crk	1.4	259.5
N	1.2	259.7
T.P.	10.67	270.74	0.80	260.07

1+0

N	9.1	261.6
Crk	9.3	261.4
"/4	9.2	261.5
M	9.8	260.9
"/4	9.8	260.9
Crk	9.9	260.8
S	9.7	261.0

3.8

	270.74		
	1+25		
S		7.3	263.4
Crb		7.9	262.8
1/4		7.9	262.8
M		8.0	262.7
1/4		7.8	263.4
Crb		7.3	263.4
N		7.0	263.7
	1+50		
N		5.4	265.3
Crb		5.8	265.4
1/4		5.1	265.6
M		6.0	264.7
1/4		5.9	264.8
Crb		5.4	264.8
S		5.3	265.4

	270.74		
	1+75		
S		4.7	266.0
Crb		4.9	265.8
1/4		5.0	265.7
M		4.8	265.9
1/4		4.8	265.9
Crb		4.7	266.0
N		4.6	266.1
	2+00		
N		4.7	266.0
Crb		4.6	266.1
1/4		4.4	266.3
M		4.7	266.0
1/4		4.7	266.0
Crb		4.6	266.1
S		4.5	266.2

270.74

2+25

S			4.4	266.3
Crb			4.7	266.6
1/4			4.7	266.0
M			5.0	265.7
1/4			5.0	265.7
Crb			4.9	265.8
N			5.1	265.6

2+50

N			6.2	264.5
Crb			5.5	265.2
1/4			5.5	265.2
M			5.5	265.2
1/4			5.4	265.3
Crb			5.4	265.3
S			4.5	266.2
T.P.	6.89	273.11	4.52	266.22

273.11

Sketch P 25

2+84² on N & 279² on S N of sec "B" = E.L. Hortensia St Sec

S			7.2	265.9
Crb			7.5	265.6
1/4			7.7	265.4
M			7.8	265.3
1/4			8.1	265.0
Crb			8.3	264.8
N			9.0	264.1

E. Curb

N			8.8	264.3
Crb			8.4	264.7
1/4			8.1	265.0
M			7.8	265.3
1/4			7.7	265.4
Crb			7.8	265.3
S			7.4	265.7

273.11

E ¼

S	7.2	265.9
Crk	7.6	265.5
¼	7.7	265.4
M	7.9	265.2
¼	8.2	264.9
Crk	8.2	264.9
N	8.7	264.4

Center

N	8.7	264.4
Crk	8.2	264.9
¼	8.1	265.0
M	7.8	265.3
¼	7.5	265.6
Crk	7.5	265.6
S	7.3	265.8

273.11 W ¼

S	7.0	266.1
Crk	7.6	265.5
¼	7.4	265.7
M	7.7	265.4
¼	7.8	265.3
Crk	8.1	265.0
N	8.5	264.6

W. Quarter

N	8.4	264.7
Crk	8.1	265.0
¼	7.8	265.3
M	7.3	265.8
¼	7.6	265.5
Crk	7.4	265.7
S	6.9	266.2

273.11

Sec "C"

S	6.7	266.4
Crk	7.3	265.8
"/9	7.2	265.9
M	7.3	265.8
"/9	7.6	265.5
Crk	7.7	265.4
N	8.3	264.8

Sec "D"

N	8.2	264.9
Crk	7.5	265.6
"/9	7.5	265.6
M	7.3	265.8
"/9	7.2	265.9
Crk	7.3	265.8
S	6.7	266.4

273.11

0+25 N of Sec D

S	6.2	266.9
Crk	7.0	266.1
"/9	6.9	266.2
M	6.9	266.2
"/9	7.1	266.0
Crk	7.0	266.1
N	7.5	265.6

0+50

N	6.9	266.2
Crk	6.9	266.2
"/9	6.8	266.8
M	6.9	266.7
"/9	6.9	266.7
Crk	6.9	266.7
S	5.8	267.3

		273.11		
		0+75		
S			5.4	267.7
Crb			5.8	267.3
1/4			5.8	267.3
M			5.7	267.4
1/4			5.7	267.4
Crb			5.8	267.3
N			6.3	266.8
		1+0		
N			5.7	267.4
Crb			5.3	267.8
1/4			5.2	267.9
M			5.2	267.9
1/4			5.4	267.7
Crb			5.5	267.6
S			5.2	267.9

		273.11		
		1+25		
S			5.0	268.1
Crb			5.1	268.0
1/4			4.8	268.3
M			5.0	268.1
1/4			4.9	268.2
Crb			5.0	268.1
N			5.1	268.0
		1+50		
N			4.7	268.4
Crb			5.2	267.9
1/4			5.1	268.0
M			4.5	268.6
1/4			4.4	268.7
Crb			4.5	268.6
S			4.3	268.8

773.11

1+75

S	3.8	269.3
Crk	4.1	269.0
1/4	4.0	269.1
M	4.2	268.9
1/4	4.7	268.4
Crk	4.9	268.2
N	4.4	268.7

2+00

N	4.1	269.0
Crk	4.3	268.8
1/4	4.2	268.9
M	4.0	269.1
1/4	3.6	269.5
Crk	3.9	269.2
S	3.6	269.5

2+25

S	3.4	269.7
Crk	3.6	269.5
1/4	3.5	269.6
M	3.6	269.5
1/4	3.8	269.3
Crk	4.0	269.1
N	3.8	269.3

2+50

N	3.2	269.9
Crk	3.3	269.8
1/4	3.3	269.8
M	3.3	269.8
1/4	3.2	269.9
Crk	3.4	269.7
S	3.0	270.1

273.11

2+75

S		2.7	270.4
Crb		2.9	270.2
"9		3.0	270.1
M		3.1	270.0
"9		3.0	270.1
Crb		3.0	270.1
N		3.1	270.0

3+0 w of "D" = E.L. Trias 3+50'

N		2.7	270.4
Crb		2.7	270.4
"9		2.7	270.4
M		2.8	270.3
"9		2.8	270.3
Crb		2.7	270.4
S		2.6	270.5
T.A	3.92	274.32	2.71	270.40 N.E. Hub

274.32 E. Curb

S		3.6	270.7
Crb		3.9	270.4
"9		3.8	270.5
M		3.8	270.5
"9		3.7	270.6
Crb		3.7	270.6
N		4.1	270.2

F "9

N		4.3	270.0
Crb		4.1	270.2
"9		4.0	270.3
M		4.0	270.3
"9		3.8	270.5
Crb		3.9	270.4
S		3.9	270.4

274.32

Center

S	4.1	270.2
Crk	4.0	270.3
"/4	4.0	270.3
M	4.0	270.3
"/4	3.8	270.5
Crk	3.8	270.5
N	3.9	270.4

W 1/4

N	3.8	270.5
Crk	3.7	270.6
"/4	3.5	270.8
M	3.7	270.6
"/4	4.3	270.0
Crk	4.4	269.9
S	3.9	270.4

274.32

W. Cupb

S	3.7	270.6
Crk	4.5	269.8
"/4	4.3	270.0
M	3.8	270.5
"/4	3.7	270.6
Crk	3.6	270.7
N	3.7	270.6

W.L. Trias St

N	3.6	270.7
Crk	3.9	270.4
"/4	3.6	270.7
M	3.8	270.5
"/4	4.0	270.3
Crk	3.9	270.4
S	3.7	270.6

274.32

0+25 W

S	4.0	270.3
Crk	4.0	270.4
"/4	3.8	270.5
M	3.7	270.6
"/4	3.7	270.6
Crk	3.8	270.5
N	3.7	270.6

0+50

N	3.6	270.7
Crk	4.1	270.2
"/4	4.0	270.3
M	4.0	270.3
"/4	4.0	270.3
Crk	4.2	270.1
S	4.1	270.2

274.32

0+75

S	4.3	270.0
Crk	4.2	270.1
"/4	4.1	270.2
M	4.1	270.2
"/4	4.2	270.1
Crk	4.3	270.0
N	4.3	270.0

1+0

N	3.8	270.5
Crk	4.3	270.0
"/4	4.4	269.9
M	4.2	270.1
"/4	4.3	270.0
Crk	4.5	269.8
S	4.4	269.9

	274.32		
	1+25		
S		4.6	269.7
Crk		4.8	269.5
"4		4.7	269.6
M		4.7	269.6
"4		4.8	269.5
Crk		4.4	269.9
N		3.9	270.4
	1+50		
N		4.1	270.2
Crk		4.8	269.5
"4		5.1	269.1
M		5.1	269.2
"4		5.3	269.0
Crk		5.2	269.1
S		4.9	269.4

	274.32		
	1+75		
S		5.1	269.2
Crk		5.6	268.7
"4		5.4	268.9
M		5.3	269.0
"4		5.4	268.9
Crk		5.6	268.7
N		5.3	269.0
	2+0		
N		5.6	268.7
Crk		5.5	268.8
"4		5.7	268.6
M		5.7	268.6
"4		5.9	268.4
Crk		6.0	268.3
S		5.5	268.8

		271.32		
		2+25		
S			5.7	268.6
Crb			6.1	268.2
"A			6.2	268.1
M			6.2	268.1
"A			6.1	268.2
Crb			6.0	268.3
N			6.0	268.3
T.P.	3.07	271.21	6.15	268.14
		2+50		
N			3.1	268.1
Crb			3.0	268.2
"A			3.0	268.2
M			3.1	268.1
"A			3.2	268.0
Crb			3.3	267.9
S			2.8	268.4

		271.21		
		2+75		
S			3.2	268.0
Crb			3.6	267.6
"A			3.7	267.5
M			3.8	267.4
"A			3.6	237.6
Crb			3.6	237.6
N			3.6	267.6
		3+0± E.L. Ampudia ST. 50' wide		
N			4.3	266.9
Crb			4.3	266.9
"A			4.2	267.0
M			4.2	267.0
"A			4.5	266.7
Crb			4.3	266.9
S			3.8	267.4

271.21

E. curb

S	4.4	266.8
Crb	4.6	266.6
"/4	4.6	266.6
M	4.4	266.8
"/4	4.4	266.8
Crb	4.4	266.8
N	4.5	266.7

E "/4

N	5.0	266.2
Crb	4.7	266.5
"/4	4.6	266.6
M	4.4	266.8
"/4	4.2	267.0
Crb	4.5	266.7
S	4.7	266.5

Center

S	5.1	266.1
Crb	4.9	266.3
"/4	4.4	266.8
M	4.9	266.3
"/4	4.9	266.3
Crb	5.0	266.2
N	5.1	266.1

W "/4

N	5.4	265.8
Crb	5.1	266.1
"/4	5.1	266.1
M	4.9	266.3
"/4	4.8	266.4
Crb	5.1	266.1
S	5.3	265.9

6/30 Dunkle
Shane
/10 Evans

		271.21			
		W. Curb			
S			5.3	265.9	
Crb			5.2	266.0	
1/4			4.8	266.4	
M			5.0	266.2	
1/4			5.2	266.0	
Crb			5.2	266.0	
N			5.5	265.7	
		W. L. Ampudia St			
N			5.3	265.9	
Crb			5.5	265.7	
1/4			5.6	265.6	
M			5.3	265.9	
1/4			5.3	265.9	
Crb			5.4	265.8	
S			5.3	265.9	
T.P.	1.40	267.69	4.92	266.29	ctr Mon

		0+25 W			
S			2.6	265.1	
Crb			2.7		
1/4			2.4		
M			2.6	265.1	
1/4			2.9		
Crb			2.9		
N		1	2.8	264.9	
		0+50			
N			4.5	263.4	
Crb			3.8		
1/4			3.8		
M			3.5	264.2	
1/4			3.3		
Crb			3.5		
S			3.4	264.3	

	267.69		
	0+75		
S		4.4	263
Crk		4.6	
"4		4.5	
M		4.5	263.2
"9		4.7	
Crk		5.0	
N		5.4	262.3
	1+0		
N		5.8	261.9
Crk		5.6	
"4		5.6	
M		5.3	262.4
"9		5.2	
Crk		5.4	
S		5.0	262.7

		1+25		
S			6.0	261.7
Crk			6.0	
"4			6.1	
M			6.3	261.4
"9			6.4	
Crk			6.9	
N			7.0	260.7
		1+50		
N			6.9	260.8
Crk			6.6	
"4			6.8	
M			7.2	260.5
"9			7.2	
Crk			7.3	
S			7.2	260.5
T.P.	1.16	262.04	6.81	260.88

		262.04		
		1+75		
S			2.2	259.8
Crk			2.5	
1/4			2.3	
M			2.2	259.8
1/4			2.0	
Crk			1.8	
N			1.9	260.1
		2+0		
N			2.3	259.7
Crk			2.3	
1/4			2.5	
M			3.1	258.8
1/4			3.1	
Crk			3.4	
S			3.2	258.8

		2+25		
S			5.2	256.8
Crk			4.8	
1/4			4.8	
M			4.6	257.4
1/4			4.1	
Crk			3.8	
N			3.2	258.8
		2+50		
N			6.3	255.7
Crk			6.8	
1/4			7.0	
M			7.5	254.5
1/4			8.1	
Crk			8.8	
S			9.4	252.6

		262.04		
		2+75		
S			13.7	248.3
Crb			13.3	
"/g			13.0	
M			12.5	249.5
"/g			12.3	
Crb			11.1	
N			10.8	251.2
T.P	2.55	252.53	12.06	249.98
		340 = E.L. Axis of	50' wide	
N			4.9	247.6
Crb			5.2	
"/g			5.3	
M			5.8	246.7
"/g			6.3	
Crb			6.5	
S			7.0	245.5

E. Curb

S			8.0	244.5
Crb			7.7	
"/g			7.0	
M			7.1	245.4
"/g			6.5	
Crb			6.0	
N			5.8	246.7
E "/4				
N			6.2	246.3
Crb			7.0	
"/4			7.1	
M			7.5	245.0
"/4			7.5	
Crb			7.5	
S			8.3	244.2

452.53

Center

S	9.3	243.2
Crk	8.4	
"/4	8.3	
M	8.4	244.1
"/4	8.1	
Crk	7.8	
N	7.4	245.1
W "/4		
N	8.6	243.9
Crk	8.6	
"/4	8.9	
M	8.9	243.6
"/4	8.8	
Crk	9.0	
S	10.2	242.3

W. curb

S	10.3	242.2
Crk	9.5	
"/4	9.3	
M	9.2	243.3
"/4	9.2	
Crk	8.9	
N	9.0	243.5

W.L. Arista St

N	9.7	244.8
Crk	9.6	
"/4	10.0	
M	10.2	242.3
"/4	10.3	
Crk	10.5	
S	11.1	241.4

252.53

0+25 W

S	12.4	240 1
Crh	11.6	
1/4	11.6	
M	11.5	241 0
1/4	10.9	
Crh	10.3	
N	9.7	242.8

0+50

N	11.8	240.7
Crh	11.9	
1/4	12.1	
M	12.7	239 8
1/4	12.5	
Crh	12.6	
S	13.2	239.3

0+75

S	14.1	238 4
Crh	13.1	
1/4	13.1	
M	13.0	239.5
1/4	12.4	
Crh	12.4	
N	12.0	240.5

1+0

N	12.0	240 5
Crh	12.4	
1/4	12.3	
M	13.0	239 5
1/4	13.3	
Crh	13.8	
S	14.3	238.2

	252.53			
	1+25			
S		13.8	238.7	
Crk		12.7		
"/4		12.4		
N		12.1	240.4	
"/4		11.1		
Crk		10.9		
N		10.2	242.3	
	1+50			
N		8.2	244.3	
Crk		8.0		
"/4		8.9		
M		10.4	242.1	
"/4		10.8		
Crk		11.1		
S		12.3	240.2	
	1+75			
S		10.4	241.1	
Crk		10.0		
"/4		8.5		
M		7.5	245.0	
"/4		6.3		
Crk		6.0		
N		5.0	247.6	
	2+0			
N		0.1	252.4	
Crk		2.1		
"/4		2.8		
M		3.8	248.7	
"/4		4.8		
Crk		6.2		
S		8.1	244.4	
T. P.	8.28	256.84	3.97	248.56

	256.84		
	2+25		
S		9.6	247.2
Crb		7.5	
"/4		7.0	
M		9.9	251.9
"/4		3.7	
Crb		3.3	
N		2.3	254.6
	2+50		
N		2.7	254.1
Crb		3.3	
"/4		3.5	
M		4.2	256.6
"/4		5.7	
Crb		6.2	
S		7.9	248.9

	2+75		
S		7.0	249.8
Crb		6.2	
"/4		6.0	
M		5.0	251.8
"/4		4.9	
Crb		4.7	
N		4.3	252.5
	3+0 = F.L. Conde 57		
N		6.0	250.8
Crb		6.8	
"/4		6.9	
M		6.7	250.1
"/4		7.8	
Crb		8.0	
S		8.3	248.5

x-section Hortensia St in Mission Hills No 2
40' wide 10' walks 5' 1/4's

B.M. spk. root Eucalyptus Witherby & Ft Stockton 266.34

B.M	3.92	270.26		
	0.90	259.49	11.67	258.59

Note - Left Line of this st will be marked west in all sections

E	13.8	245.7
Crb	10.2	249.3
1/4	10.1	249.4
M	9.0	250.5
1/4	8.3	251.2
Crb	7.7	251.8
W	6.5	253.0

0+25 N of Pine

W	4.7	254.8
Crb	5.9	253.6
1/4	6.6	252.9
M	7.4	252.1
1/4	8.5	250.0
Crb	8.5	250.0
E	11.1	248.4

		259.49		
		0+50		
E			8.4	251.1
crb			6.5	253.0
1/4			6.3	253.2
M			5.2	254.3
1/4			4.5	255.0
crb			4.0	255.5
W			3.2	256.3
		0+75		
W			3.0	256.5
crb			3.9	255.6
1/4			4.5	255.0
M			5.5	254.0
1/4			6.0	253.5
crb			6.3	253.2
E			7.3	252.2

		259.49		
		1+0		
E			7.7	251.8
crb			6.4	253.1
1/4			6.2	253.3
M			5.7	253.8
1/4			5.0	254.5
crb			4.6	254.9
W			3.6	255.9
		1+35 = section 1 Page 2		see sketch
W			3.5	256.0
crb			4.7	254.8
1/4			5.2	254.3
M			6.1	253.4
1/4			6.6	252.9
crb			7.0	252.5
E			9.3	250.2

259.49

Sec 2

E		8.1	251.4
Crk		6.6	252.9
"		6.5	253.0
M		5.8	253.7
"		5.2	254.3
Crk		4.6	254.9
W		3.5	256.0
T. P.	7.22	262.99	3.72 255.77

Sec 3

W		6.1	256.9
Crk		7.4	255.6
"		7.9	255.1
M		8.1	254.9
"		9.9	253.1
Crk		10.0	253.0
E		10.0	253.0

262.99

Sec 4

E		9.2	253.8
Crk		8.2	254.8
"		7.6	255.4
M		7.0	256.0
"		6.6	256.4
Crk		6.1	256.9
W		5.2	257.8

T. P. Sec 5

W		5.2	257.8
Crk		6.4	256.6
"		6.8	256.2
M		7.3	255.7
"		8.1	254.9
Crk		8.7	254.3
E		9.8	253.2

247.99

Sec 6

E	9.0	254.0
Crk	7.9	256.1
"/4	7.4	255.6
N	7.0	256.0
"/4	6.6	256.4
Crk	6.2	256.8
W	5.2	257.8

Sec 7

W	5.1	257.9
Crk	5.6	257.4
"/4	6.0	257.0
N	6.3	256.7
"/4	6.6	256.4
Crk	6.8	256.2
E	7.3	255.7

Sec 8

E	7.1	255.9
Crk	6.5	256.5
"/4	6.1	256.9
N	5.8	257.2
"/4	5.5	257.0
Crk	5.4	257.6
W	4.9	259.1

Sec 9

W	5.0	258.0
Crk	5.9	257.1
"/4	6.3	256.7
N	7.0	256.0
"/4	7.3	255.7
Crk	7.7	255.3
E	8.7	254.3

262.99

Sec 10

E	10.5	252.5
Crk	8.9	254.1
"g	8.3	254.7
M	7.7	255.3
"g	7.1	255.9
Crk	6.5	256.5
W	5.8	257.5

X-Sec 11

W	5.3	257.7
Crk	6.5	256.5
"g	7.2	255.8
M	8.0	255.0
"g	8.8	254.2
Crk	9.5	253.5
E	11.2	251.8

0+25 W. of Sec 11

E	10.9	252.1
Crk	9.2	253.8
"g	8.3	254.7
M	7.5	255.5
"g	6.9	256.1
Crk	6.1	256.9
W	5.0	258.0

0+50

W	4.4	258.6
Crk	5.6	257.4
"g	6.3	256.7
M	7.0	256.0
"g	7.7	255.3
Crk	8.3	254.7
E	10.2	252.8

762.99

0+75

E	9.5	253.4
crk	8.1	254.9
⅛	7.2	255.8
M	6.6	256.4
⅛	5.8	257.2
crk	5.2	257.8
W	4.1	258.9

Sec 12

W	3.0	260.0
crk	3.9	259.1
⅛	5.2	257.8
M	5.8	257.2
⅛	6.1	256.9
crk	6.8	256.2
E	8.7	254.3

Sec 13

E	2.3	260.7
crk	2.3	260.7
⅛	2.3	260.7
M	2.1	260.9
⅛	1.9	261.1
crk	1.6	261.4
W	1.4	261.6
T.P.	8.27 268.30	2.96 260.03

1-Sec 14

W	5.6	262.7
crk	5.6	262.7
⅛	5.6	262.7
M	5.5	262.8
⅛	5.8	262.5
crk	5.8	263.0
E	5.1	263.2

268.30

0+25' S of Sec 19

E	4.1	264.2
crk	4.3	264.0
1/4	4.5	263.8
M	4.6	263.7
1/4	4.7	263.6
crk	4.8	263.5
W	4.7	263.6

0+50

W	4.5	263.8
crk	4.4	263.9
1/4	4.1	264.2
M	4.1	264.2
1/4	4.1	264.2
crk	4.1	264.2
E	3.6	264.7

0+82 37 = N.L. Pine

E	3.4	264.9
crk	3.7	264.6
1/4	3.9	264.4
M	3.9	264.4
1/4	3.9	264.4
crk	4.1	264.2
W	4.2	264.1

x-section Madrona st Witherby to Arista st 7/1/10 Dunkle Thane
" " 50' wide 5' 1/4 S
B.M. SPK car Witherby & Madrona 266.34 Evans
B.M. 1.42 267.76
W. L. Witherby

N				2.3	265.5
crb				2.5	
1/4				2.5	
M				4.2	263.6
1/4				4.2	
crb				4.2	
S				4.7	263.1
		0+25' W			
S				5.0	262.8
crb				4.7	
1/4				4.3	
M				4.1	263.7
1/4				2.9	
crb				2.9	
N				2.2	265.6

		0+50			
N			2.5		265.3
crb			3.1		
1/4			3.3		
M			4.1		263.7
1/4			4.2		
crb			4.6		
S			5.4		262.4
		0+75			
S			5.3		262.5
crb			4.9		
1/4			4.5		
M			4.2		263.6
1/4			3.2		
crb			3.1		
N			2.8		265.0

	267.76		
	1+0		
N		3.3	264.5
Calc		3.4	
"/4		3.5	
M		4.8	263.0
"/4		4.9	
Calc		5.2	
S		5.8	262.0
	1+25		
S		6.4	261.3
Calc		6.0	
"/4		5.7	
M		5.0	262.8
"/4		4.0	
Calc		3.9	
N		3.6	264.2

	267.76		
	1+50		
N		3.8	264.0
Calc		4.1	
"/4		4.2	
M		5.4	262.4
"/4		6.0	
Calc		6.3	
S		6.8	261.0
	1+75		
S		6.8	261.0
Calc		6.6	
"/4		6.3	
M		5.7	262.1
"/4		4.7	
Calc		4.5	
N		4.2	263.5

33

	267.76			
	2+0			
N		4.4	263.4	
Crk		4.5		
"4		4.6		
M		6.0	261.8	
"4		6.6		
Crk		7.1		
S		7.3	260.5	
	2+25			
S		7.4	260.4	
Crk		6.9		
"4		6.5		
M		6.2	261.6	
"4		4.9		
Crk		5.0		
N		4.6	263.2	

	267.76			
	2+50			
N		4.7	263.1	
Crk		5.1		
"4		5.2		
M		6.0	261.8	
"4		6.2		
Crk		6.5		
S		7.1	260.7	
	2+75			
S		6.9	261.4	
Crk		6.2		
"4		5.8		
M		5.6	262.2	
"4		4.9		
Crk		4.7		
N		4.6	263.2	
T.P.	8.00	271.69	4.07	263.69

		271.69		
		3+0		
N			8.2	263.5
crb			8.6	
1/4			8.7	
M			9.4	262.3
1/4			9.7	
crb			9.7	
S			9.9	261.8
		3+75		
S			10.0	261.7
crb			9.2	
1/4			9.3	
M			9.1	262.6
1/4			8.9	
crb			8.6	
N			8.1	263.6.

		3+50		
N			7.6	264.1
crb			7.6	
1/4			7.4	
M			8.6	263.1
1/4			8.7	
crb			8.4	
S			8.8	262.9
		3+75		
S			8.2	263.5
crb			7.5	
1/4			7.9	
M			8.2	263.5
1/4			7.2	
crb			7.2	
N			7.2	264.5

	271.69		
	4+0		
N		6.7	265.0
Crb		7.0	
"4		7.0	
M		7.9	263.8
"4		7.2	
Crb		7.1	
S		7.5	264.2
	4+25		
S		6.5	265.2
Crb		6.3	
"4		6.5	
M		6.5	264.9
"4		6.1	
Crb		6.4	
N		6.3	265.4

	271.69		
	4+50		
N		5.7	266.0
Crb		5.7	
"4		5.5	
M		6.2	265.5
"4		5.7	
Crb		5.2	
S		5.6	266.1
	4+75		
S		5.0	266.7
Crb		4.8	
"4		5.4	
M		5.7	266.0
"4		5.1	
Crb		5.2	
N		5.0	266.4

271.69

5+00

N	4.8	266.9
Crb	4.7	
1/4	4.3	
M	5.0	266.7
1/4	4.8	
Crb	4.3	
S	4.5	267.2

5+25

S	4.3	267.4
Crb	4.0	
1/4	4.4	
M	4.7	267.0
1/4	4.0	
Crb	4.2	
N	4.2	267.5

3737

5+50

N	4.0	267.7
Crb	3.7	
1/4	3.3	
M	3.9	267.8
1/4	3.6	
Crb	3.5	
S	3.8	267.9

5+75

S	3.3	268.4
Crb	3.0	
1/4	3.0	
M	3.5	268.2
1/4	3.2	
Crb	3.5	
N	3.7	268.0

		271.69			
		6+0			
N			3.5	268.2	
crb			3.3		
1/4			3.2		
M			3.9	267.8	
1/4			3.1		
crb			2.9		
S			3.1	268.6	
		6+25			
S			3.0	268.7	
crb			3.0		
1/4			3.5		
M			3.7	268.0	
1/4			3.3		
crb			3.4		
N			3.5	268.2	

6+50 = E.L. Trias st 50'

N			3.6	268.1	
crb			3.6		
1/4			3.6		
M			3.9	267.8	
1/4			3.7		
crb			3.6		
S			3.3	268.4	
		E. curb			
S			3.5	268.2	
crb			3.6		
1/4			3.5		
M			3.9	267.8	
1/4			4.0		
crb			3.9		
N			3.8	267.9	

271.69

E 1/4

N	4.1	267.6
Crb	4.0	
1/4	3.9	
M	3.7	268.0
1/4	3.6	
Crb	3.3	
S	3.5	268.2

Center

S	3.5	268.2
Crb	3.6	
1/4	3.8	
M	4.0	267.8
1/4	4.0	
Crb	3.9	
N	4.1	267.6

W 1/4

N	4.1	267.6
Crb	4.3	
1/4	4.1	
M	4.0	267.7
1/4	3.7	
Crb	3.8	
S	3.8	267.9

W. Curb

S	3.6	268.1
Crb	3.7	
1/4	4.0	
M	4.0	267.7
1/4	4.1	
Crb	4.1	
N	3.9	267.8

271.69

W.L. Tkias

N		4.0	267.7
crb		4.1	
1/4		4.2	
M		4.1	267.6
1/4		4.2	
crb		3.9	
S		3.6	268.1
T.P.	3.52	3.73	267.96

0+25' W

S		3.8	267.7
crb		4.1	
1/4		4.3	
M		4.2	267.3
1/4		4.3	
crb		4.4	
N		4.3	267.2

271.48

0+50

N		4.6	266.9
crb		4.6	
1/4		4.4	
M		4.5	267.0
1/4		4.5	
crb		4.3	
S		3.5	267.7

0+75

S		4.0	267.5
crb		4.4	
1/4		4.7	
M		4.7	266.8
1/4		4.7	
crb		4.6	
N		4.7	266.8

271.48

1+0

N	5.1	266.4
crb	5.0	
11/4	5.0	
M	5.0	266.5
11/4	5.1	
crb	4.9	
S	4.6	266.9

1+25

S	5.3	266.2
crb	5.1	
11/4	5.5	
M	5.4	266.1
11/4	5.3	
crb	5.3	
N	5.5	266.0

1+50

N	5.7	265.8
crb	5.5	
11/4	5.5	
M	5.8	265.7
11/4	5.9	
crb	5.5	
S	5.5	266.0

1+75

S	6.0	265.5
crb	5.9	
11/4	6.3	
M	6.3	265.2
11/4	5.9	
crb	5.9	
N	6.2	265.3

271.48

270

N	6.8	264.7
Crk	6.6	
N/A	6.5	
M	7.0	264.5
N/A	7.1	
Crk	6.4	
S	6.6	264.9

2725

S	7.6	263.9
Crk	7.7	
N/A	8.8	
M	7.6	263.9
N/A	7.0	
Crk	7.1	
N	7.5	264.0

2750

N	8.5	263.0
Crk	8.1	
N/A	7.9	
M	8.4	263.1
N/A	8.6	
Crk	8.4	
S	8.3	263.2

2775

S	9.2	262.3
Crk	9.4	
N/A	9.8	
M	9.4	262.1
N/A	9.2	
Crk	9.1	
N	9.4	262.1

271.48

3+0 = E.L. Ampudia st 50' wide

N	11.0	260.5
crb	10.7	2608
1/4	10.6	2609
M	10.5	261.0
1/4	10.7	2608
crb	10.4	261.1
S	10.5	261.0

E. curb

S	11.4	260.1
crb	11.0	260.5
1/4	11.1	260.4
M	11.1	260.4
1/4	11.5	2600
crb	11.8	259.7
N	12.2	259.3

271.5

E 1/4

N	12.3	259.2
crb	11.9	259.6
1/4	11.7	259.8
M	11.3	260.2
1/4	11.2	260.3
crb	11.1	260.4
S	11.5	260.0

Center

S	11.8	259.7
crb	12.0	259.5
1/4	11.9	259.6
M	12.1	259.4
1/4	12.6	258.9
crb	12.8	258.7
N	12.9	258.6

271.48

W ½

N		13.4	258.1
Crb		13.0	258.5
½		12.9	258.6
M		12.6	258.9
½		12.4	259.1
Crb		12.2	259.3
S		12.3	259.2
T.P.	2.43	261.49	12.42	259.06	station

W. Curb

S		2.9	258.6
Crb		2.6	258.9
½		2.7	258.8
M		3.4	258.1
½		4.0	257.5
Crb		4.0	257.5
N		4.8	256.7

261.5

W.L. Ampudia

N	5.8	255.7
Crb	5.1	256.4
½	4.7	256.8
M	4.0	257.5
½	3.4	258.1
Crb	3.1	258.4
S	3.1	258.4

0+25' W

S	4.7	256.8
Crb	5.3	
½	5.7	
M	6.2	255.3
½	6.6	
Crb	6.8	
N	7.3	254.2

		261.49		
		0+50		
N			8.6	252.9
Crk			7.9	
"g			7.7	
M			7.3	254.2
"g			6.9	
Crk			6.8	
S			6.4	255.1
		0+75		
S			7.8	253.7
Crk			8.0	
"g			8.2	
Crk			8.3	253.2
"g			8.6	
Crk			8.7	
N			9.5	252.0
T.P.	2.44	254.21	9.72	251.77

	254.21		
	1+0		
N		2.9	251.3
Crk		2.4	
"g		2.3	
M		2.0	252.2
"g		2.0	
Crk		2.0	
S		1.7	252.5
	1+25		
S		3.1	251.1
Crk		3.3	
"g		3.4	
M		3.5	250.7
"g		3.8	
Crk		4.0	
N		4.3	249.9

		254.21		
		1+50		
N		5.2	249.0	
Crh		5.1		
1/4		4.9		
M		4.8	249.4	
1/4		4.5		
Crh		4.3		
S		4.1	250.1	
		1+75		
S		5.6	248.6	
Crh		5.7		
1/4		5.7		
M		5.9	248.3	
1/4		5.9		
Crh		5.9		
N		5.7	248.5	

		2+0		
N		6.4	247.8	
Crh		6.4		
1/4		6.5		
M		6.3	247.9	
1/4		6.3		
Crh		6.3		
S		6.5	247.7	
T.P.	2.51	249.96	6.76	247.45
		2+25		
S		7.8	247.2	
Crh		7.9		
1/4		7.8		
M		7.8	247.2	
1/4		7.9		
Crh		7.9		
N		8.0	247.0	

	249.96		
	2+50		
N		4.1	245.9
Crb		4.0	
1/4		3.9	
N		3.8	246.2
1/4		3.7	
Crb		3.7	
S		3.7	246.3
	2+75		
S		4.8	245.2
Crb		4.9	
1/4		5.0	
N		5.2	244.8
1/4		5.3	
Crb		5.4	
N		5.5	244.6

47/47

3+0 = E.L. Arista St

N		6.8	243.2
Crb		6.8	
1/4		6.7	
N		6.6	243.4
1/4		6.4	
Crb		6.3	
S		6.2	243.8

x-section Ampudia Cherry to Chestnut 7/2/10 Dunkle
" 50' wide 5 1/4"

B.M. Ampudia & Pine				266.29
B.M.	3.04	269.33		
T.P.	2.79	259.77	12.35	256.98

S.L. Cherry St

W			17.3	242.5
Crb			15.3	244.5
1/4			14.6	245.2
M			12.6	247.2
1/4			11.0	248.8
Crb			10.2	249.7
E			8.8	251.0

0+25 S of Cherry

E			6.2	253.6
Crb			7.0	252.8
1/4			7.6	252.2
M			9.6	250.2
1/4			11.7	248.1
Crb			12.8	247.0
W			14.4	245.4

0+50

W			12.7	247.1
Crb			10.7	249.1
1/4			9.9	249.9
M			8.8	251.0
1/4			6.9	252.9
Crb			6.5	253.3
E			6.1	253.7

0+75

E			5.4	254.4
Crb			6.2	253.6
1/4			6.9	252.9
M			8.0	251.8
1/4			8.5	251.3
Crb			8.7	251.1
W			9.5	250.3

		259.77		
		1+0		
W			10.2	249.6
crb			9.0	250.8
1/4			8.4	251.4
M			7.2	252.6
1/4			5.5	254.3
crb			4.3	255.5
E			3.8	256.0
		1+25		
E			3.0	256.8
crb			4.1	255.7
1/4			5.0	254.8
M			6.2	253.6
1/4			7.2	252.6
crb			7.6	252.2
W			7.8	252.0

		1+50		
W			5.6	254.2
crb			5.4	254.4
1/4			4.7	255.1
M			3.8	256.0
1/4			2.3	257.5
crb			1.6	258.2
E			0.9	258.9
T.P.	11.88	268.86	2.79	256.98
		1+75		
E			6.8	262.1
crb			7.9	261.0
1/4			8.6	260.3
M			9.5	259.1
1/4			10.9	258.0
crb			11.4	257.5
W			12.2	256.7

268.86

2+00

W	8.8	260.1
Crk	7.4	261.5
"q	7.1	261.8
M	6.6	262.3
"q	5.7	263.2
Crk	5.2	263.7
E	4.4	264.5

2+25

E	3.5	265.4
Crk	3.8	265.1
"q	4.1	264.8
M	4.3	264.6
"q	5.0	263.9
Crk	5.4	263.5
W	6.1	262.8

268.86

2+50

W	4.7	264.2
Crk	3.6	265.3
"q	3.2	265.7
M	2.9	266.0
"q	3.0	265.9
Crk	2.8	266.1
E	2.4	266.5

2+75

E	2.1	266.8
Crk	2.5	266.4
"q	2.8	266.1
M	3.2	265.7
"q	3.5	265.4
Crk	3.8	265.1
W	4.1	264.8

268.86

3+00 = x.L. Pine st 50'

W	2.8	266.1
Crk	3.1	265.8
"/4	3.0	265.9
M	2.7	266.2
"/4	2.6	266.3
Crk	2.1	266.8
E	1.9	267.0

Note-for intersection see page 14

S.L. Pine St

E	1.5	267.4
Crk	2.0	266.9
"/4	2.4	266.5
M	2.7	266.2
"/4	2.9	266.0
Crk	2.9	266.0
W	3.0	265.9

268.86

0+75 of Pine

W	3.4	265.5
Crk	3.2	265.7
"/4	3.1	265.8
M	2.9	266.0
"/4	2.9	266.0
Crk	2.6	266.3
E	2.0	266.9

0+50

E	2.3	266.6
Crk	2.8	266.1
"/4	3.2	265.7
M	3.3	265.6
"/4	3.4	265.5
Crk	3.5	265.5
W	3.7	265.2

	268.86		
	0+75		
W		4.4	264.5
Crk		3.9	265.0
"g		3.9	265.0
M		3.8	265.1
"g		3.8	265.1
Crk		3.3	265.6
E		2.8	266.1
	1+00		
E		3.6	265.3
Crk		4.0	264.9
"g		4.1	264.8
M		4.5	264.4
"g		4.8	264.1
Crk		5.1	263.8
W		5.5	263.4

	268.9		52
	1+25		
W		7.5	261.4
Crk		6.9	262.0
"g		6.8	262.1
M		6.0	262.9
"g		5.1	263.8
Crk		4.7	264.2
E		4.4	264.5
	1+50		
E		5.4	263.5
Crk		6.1	262.8
"g		6.5	262.4
M		7.5	261.4
"g		8.0	260.9
Crk		8.3	260.6
W		9.1	259.8
T. P.	3.09	264.69	7.26	261.60

	Y64.69	
	1+75	
W		
	7.3	Y57.4
Crk		
	6.9	Y58.7
"		
	5.8	Y58.9
M		
	5.1	Y59.6
"		
	3.6	Y61.1
Crk		
	3.3	Y61.4
E		
	2.6	Y62.1
	2+0	
E		
	3.6	Y61.1
+9		
	3.5	Y61.2
Crk		
	4.9	Y59.8
"		
	5.0	Y59.7
M		
	6.1	Y58.6
"		
	6.6	Y58.1
Crk		
	7.1	Y57.6
W		
	8.1	Y56.6

	Y64.7	
	2+75	
W		
	9.1	Y55.6
Crk		
	8.6	Y56.1
"		
	7.2	Y57.5
M		
	6.5	Y58.2
"		
	6.1	Y58.6
Crk		
+1	5.7	Y59.0
	4.1	Y60.6
E		
	4.2	Y60.5
2+50		
E		
	4.8	Y59.9
+9		
Crk	5.2	Y59.5
	6.5	Y58.2
"		
	6.9	Y57.8
M		
	6.8	Y57.9
"		
	7.4	Y57.3
Crk		
	8.9	Y55.8
W		
	10.0	Y54.7

264.69

Ampudia St.

2+75

W	9.7	255.0
Crb	8.6	256.1
1/4	7.2	257.5
M	6.7	258.0
1/4	6.0	258.7
Crb	6.0	258.7
E	5.0	259.7

Fort Stockton Drive

3+0= N.L. ~~Madrona~~ St 50'

E	4.3	260.4
Crb	5.5	259.2
1/4	5.7	259.0
M	6.2	258.5
1/4	6.7	258.0
Crb	8.1	256.6
W	9.1	255.6

264.7

54

Ft Stockton Drive

S.L. ~~Madrona~~

W	6.4	258.3
Crb	5.9	258.8
1/4	5.6	259.1
M	5.1	259.6
1/4	4.7	260.0
Crb	4.5	260.2
E	3.8	260.9

0+25' S

E	4.5	260.2
Crb	5.2	259.5
1/4	5.5	259.2
M	5.7	259.0
1/4	5.8	258.9
Crb	6.1	258.6
W	6.3	258.4

264.69

Ampudia St.

0+50

W	7.5	257.2
Crb	7.4	257.3
1/4	7.1	257.6
M	7.2	257.5
1/4	6.8	257.9
Crb	6.6	258.1
E	5.7	259.0

0+75

E	7.1	257.6
Crb	7.9	256.8
1/4	8.1	256.6
M	8.5	256.2
1/4	8.8	255.9
Crb	8.9	255.8
W	9.9	255.3

264.7

1+0

W	10.8	253.9
Crb	10.2	254.5
1/4	9.8	254.9
M	9.7	255.0
1/4	8.8	255.7
Crb	8.9	255.6
E	8.5	256.1

1+25

E	8.6	256.1
Crb	9.2	255.5
1/4	9.3	255.4
M	9.8	254.9
1/4	10.4	254.3
Crb	10.9	253.8
W	11.5	253.2

26469 Ampudia St

		1750		
W		12.1	252.6	
Crb		11.6	253.1	
11/9		10.8	253.9	
M		10.5	254.2	
11/9		10.1	254.6	
Crb		10.0	254.7	
E		9.1	255.6	
		1775		
E		9.8	254.9	
Crb		10.1	254.6	
11/9		10.4	254.3	
M		10.7	254.0	
11/9		11.3	253.4	
Crb		11.8	252.9	
W		12.5	252.2	
T.P.	3.55	257.30	10.94	253.75

257.30

	1770		
W	5.6	251.7	
Crb	5.0	252.3	
11/9	4.5	252.8	
M	4.2	253.1	
11/9	3.7	253.6	
Crb	3.5	253.8	
E	3.2	254.1	
	1775		
E	3.7	253.6	
Crb	4.2	253.1	
11/9	4.1	253.2	
M	4.8	252.5	
11/9	5.1	252.2	
Crb	5.5	251.8	
W	6.0	251.3	

257.30 Ampudia St.

2+50

W	6.6	250.7
Curb	5.6	X51.7
1/4	5.5	X51.8
M	5.4	251.9
1/4	5.0	X52.3
Curb	4.7	X52.6
E	4.5	252.8

2+75

E	5.1	252.2
Curb	5.5	X51.8
1/4	5.7	X51.6
M	6.2	251.1
1/4	6.5	X50.8
Curb	6.8	X50.5
W	7.3	250.0

X57.3

3+0 = N.L. Hickory 50'

W	7.8	X49.5
Curb	7.2	X50.1
1/4	6.8	X50.5
M	7.0	X50.3
1/4	6.4	X50.9
Curb	6.2	X51.1
E	5.8	251.5
T.P	6.01	255.81 7.50 X49.80

N Curb

E	4.4	X51.4
Curb	4.8	X51.0
1/4	4.9	X50.9
M	5.5	X50.3
1/4	5.8	X50.0
Curb	6.1	X49.7
W	6.4	X49.4

755.81 Ampudia St.

N ¼		
W	6.7	749.1
Crb	6.7	749.6
¼	5.9	749.9
M	5.6	750.2
¼	5.0	750.8
Crb	4.8	751.0
E	4.4	751.4
Center		
E	4.5	751.3
Crb	4.9	750.9
¼	5.1	750.7
M	5.8	750.0
¼	6.0	749.8
Crb	6.1	749.7
W	6.7	749.1

755.8

S ¼		
W	7.0	748.8
Crb	6.4	749.4
¼	6.2	749.6
M	6.0	749.8
¼	5.3	750.5
Crb	5.0	750.8
E	4.8	751.0
S Curb		
E	4.7	751.1
Crb	5.1	750.7
¼	5.2	750.6
M	6.1	749.7
¼	6.2	749.6
Crb	6.4	749.4
W	6.9	748.9

25581 Ampudia St.

S. of Hickory

W	7.0	248.8
Curb	6.7	249.1
"4	6.3	249.5
M	6.1	249.7
"4	5.7	250.1
Curb	5.4	250.4
E	4.7	251.1

0+25 S. of Hickory

E	4.8	251.0
Curb	5.5	250.3
"4	5.7	250.1
M	6.3	249.5
"4	6.4	249.4
Curb	6.6	249.2
W	7.1	248.7

25581

0+50

W	7.1	248.7
Curb	6.5	249.3
"4	6.3	249.5
M	6.0	249.8
"4	5.9	250.4
Curb	5.2	250.6
E	4.6	251.2

0+75

E	4.2	251.6
Curb	5.0	250.8
"4	4.9	250.9
M	5.4	250.4
"4	5.6	250.2
Curb	5.6	250.2
W	6.3	249.5

255.81 Ampudia St

1+00		
W	5.6	250.2
Crb	5.2	250.6
"/	5.1	250.7
M	4.8	251.0
"/	4.2	251.6
Crb	4.1	251.7
E	3.7	252.1
1+25		
E	3.2	252.6
Crb	3.6	252.2
"/	3.7	252.1
M	4.2	251.6
"/	4.4	251.4
Crb	4.7	251.1
W	4.7	251.1

255.81

1+50		
W	4.6	251.2
Crb	4.2	251.6
"/	3.9	251.9
M	3.7	252.1
"/	3.3	252.5
Crb	3.2	252.6
E	3.0	252.8
1+75		
E	2.9	252.9
Crb	3.2	252.6
"/	3.3	252.5
M	3.7	252.1
"/	3.9	251.9
Crb	4.0	251.8
W	4.4	251.4

255.81 Ampudia St.

2+0			
W		4.3	251.5
Crk		3.8	252.0
"9		3.6	252.2
M		3.7	252.1
"9		3.4	252.4
Crk		3.4	252.4
E		2.9	252.9
2+25			
E		3.3	252.5
Crk		3.4	252.4
"9		3.6	252.2
M		4.1	251.7
"9		4.1	251.7
Crk		4.4	251.4
W		4.9	250.9
	4.36	256.45	3.72 252.09

256.45

2+50		
W	5.8	250.7
Crk	5.6	250.9
"9	5.1	251.4
M	5.4	251.1
"9	4.7	251.8
Crk	4.7	251.8
E	4.4	252.1
2+75		
E	5.1	251.4
Crk	5.5	251.0
"9	5.6	250.9
M	6.3	250.2
"9	6.3	250.2
Crk	6.4	250.1
W	7.0	249.5

256.45 Ampudia St.

3+0 = N.L. Chestnut

W			7.8	248.7
Crb			7.5	249.0
1/4			7.3	249.2
M			6.9	249.6
1/4			6.2	250.3
Crb			6.0	250.5
E			5.9	250.6

x-section Trias St Cherry to Chestnut.
" " 50' wide 5' 1/4 S

B.M. hub N.E. Triass Pine 270.40 7/5 Dunkle / 5 Shaw / 10 Evans,

B.M.	3.70	274.10		
		S.L. Cherry St		
W			10.4	263.7
Crb			11.3	
1/4			11.6	
M			12.0	262.1
1/4			12.3	
Crb			12.4	
E			12.8	261.3
		0+25 S		
E			11.8	262.3
Crb			11.3	
1/4			11.3	
M			10.6	263.5
1/4			10.4	
Crb			10.0	
W			8.5	265.6

274.10

0+50

W	9.0	265.1
crb	9.5	
¼	9.6	
M	9.8	264.3
¼	10.0	
crb	10.5	
E	10.9	263.2

0+75

E	10.0	264.1
crb	9.5	
¼	9.3	
M	8.8	265.3
¼	8.7	
crb	8.3	
W	7.5	266.6

1+0

W	5.9	268.2
crb	7.6	
¼	7.9	
M	8.0	266.1
¼	8.3	
crb	8.5	
E	8.2	265.9

1+25

E	7.2	266.9
crb	7.1	
¼	7.3	
M	7.2	266.9
¼	7.0	
crb	7.2	
W	6.2	267.9

	274.10		
	1+50		
W		5.4	268.7
Crk		6.2	
⅛		6.2	
M		6.2	267.9
⅛		6.5	
Crk		6.6	
E		6.1	268.0
	1+75		
E		5.4	268.7
Crk		5.7	
⅛		6.0	
M		5.6	268.5
⅛		5.6	
Crk		5.7	
W		5.3	268.8

	2+0		
W		4.3	269.8
Crk		5.0	
⅛		5.0	
M		5.1	269.0
⅛		5.5	
Crk		5.1	
E		4.9	269.2
	2+25		
E		4.7	269.4
Crk		4.9	
⅛		5.1	
M		4.8	269.3
⅛		4.6	
Crk		4.9	
W		4.5	269.6

	274.10		
	2750		
W		4.2	269.9
Crk		4.4	
¼		4.2	
M		4.3	269.8
¼		4.8	
Crk		4.4	
E		4.1	270.0
	2775		
E		4.0	270.1
Crk		4.1	
¼		4.4	
M		4.1	270.0
¼		3.9	
Crk		3.9	
W		3.7	270.4

note-for intersection see page 10

3+0 = W.L. Pine 50'

W			3.4	270.7
Crk			3.5	
¼			3.6	
M			3.7	270.4
¼			4.1	
Crk			3.8	
E			3.7	270.4
T.P.	3.29	273.74	3.70	270.40

S.L. Pine

E		3.2	270.5
Crk		2.9	270.8
¼		3.4	270.3
M		3.6	270.1
¼		3.5	270.2
Crk		3.1	270.6
W		3.2	270.5

273.74

0+25 S of Pine St

W	3.4	270.3
Crk	3.4	270.3
1/4	3.2	270.5
M	3.6	270.1
1/4	3.3	270.4
Crk	3.0	270.7
E	3.4	270.3

0+50

E	3.6	270.1
Crk	3.5	270.2
1/4	3.4	270.3
M	3.8	269.9
1/4	3.3	270.4
Crk	3.5	270.2
W	3.6	270.1

273.74

0+75

W	3.7	270.0
Crk	3.7	270.0
1/4	3.8	269.9
M	4.2	269.5
1/4	4.1	269.6
Crk	3.9	269.8
E	3.9	269.8

1+0

E	4.5	269.2
Crk	4.3	269.4
1/4	4.4	269.3
M	4.6	269.1
1/4	3.9	269.8
Crk	3.7	270.0
W	3.9	269.8

	273.74		
	1+25		
W		4.2	269.5
Crk		4.3	269.4
"/4		4.4	269.3
M		4.8	268.9
"/4		4.6	269.1
Crk		4.6	269.1
E		4.8	268.9
	1+50		
E		4.9	268.8
Crk		4.7	269.0
"/4		4.7	269.0
M		4.9	268.8
"/4		4.5	269.2
Crk		4.2	269.5
W		4.2	269.5

	1+25		
W		4.6	269.1
Crk		4.5	269.2
"/4		4.8	268.9
M		5.3	268.4
"/4		5.0	268.7
Crk		5.1	268.6
E		4.9	268.8
	2+0		
E		5.3	268.4
Crk		5.4	268.3
"/4		5.4	268.3
M		5.7	268.0
"/4		5.1	268.6
Crk		5.0	268.7
W		5.1	268.6

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	273.74			
	2+25			
W		5.9	268.3	
Calc		5.3	268.4	
"4		5.6	268.1	
M		5.8	267.9	
"4		5.5	268.2	
Calc		5.5	268.2	
E		5.4	268.3	
	2+50			
E		5.6	268.1	
Calc		5.9	267.8	
"4		5.8	267.9	
M		6.1	267.6	
"4		5.7	268.0	
Calc		5.5	268.2	
W		5.5	268.2	

	267.96			
	2+75			
W		5.9	267.8	
Calc		5.8	267.9	
"4		5.9	267.8	
M		6.2	267.5	
"4		5.9	267.8	
Calc		6.0	267.7	
E		5.9	267.8	
Note- for intersection see Page 38 (Ft Stockton Dr)				
	3+00 = N.L. Madrona St 50' wide			
E		5.8	267.9	
Calc		5.8	267.9	
"4		6.3	267.4	
M		6.2	267.5	
"4		6.2	267.5	
Calc		6.0	267.7	
W		6.1	267.6	
T.P.	3.80	271.68	5.86	267.88

27.68

3.4 Madrona

W	3.7	268.0
Crk	3.7	268.0
¼	3.8	267.9
M	3.5	268.2
¼	3.5	268.2
Crk	3.5	268.2
E	3.3	268.4
0+25 S		
E	2.9	268.8
Crk	3.3	268.4
¼	3.3	268.4
M	3.7	268.0
¼	3.9	267.8
Crk	4.0	267.7
W	4.0	267.7

0+50

W	3.7	268.0
Crk	3.9	267.8
¼	3.9	267.8
M	3.6	268.1
¼	3.2	268.5
Crk	3.6	268.1
E	3.0	268.7
0+75		
E	3.1	268.6
Crk	3.4	268.3
¼	3.4	268.3
M	3.7	268.0
¼	3.9	267.8
Crk	3.9	267.8
W	2.9	268.8

271.66

1+00

W	4.2	267.5
Crk	4.3	267.4
¼	4.2	267.5
M	3.9	267.8
¼	3.5	268.2
Crk	3.7	268.0
E	3.4	268.3

1+25

E	3.7	268.0
Crk	4.1	267.6
¼	4.0	267.7
M	4.2	267.5
¼	4.6	267.1
Crk	4.8	266.9
W	4.3	267.4

1+50

W	5.3	266.4
Crk	5.2	266.5
¼	5.0	266.7
M	4.7	267.0
¼	4.5	267.2
Crk	4.6	267.1
E	4.3	267.4

1+75

E	4.8	266.9
Crk	5.0	266.7
¼	4.9	266.8
M	5.2	266.5
¼	5.5	266.2
Crk	5.8	265.9
W	5.6	266.1

271.68

270

W	6.0	265.7
crk	6.2	265.5
"4	6.0	265.7
M	5.8	265.9
"4	5.3	266.4
crk	5.6	266.1
E	5.3	266.4

2725

E	5.9	265.8
crk	6.1	265.6
"4	5.7	266.0
M	6.4	265.3
"4	6.7	265.0
crk	6.9	264.8
W	6.6	265.1

2750

W	7.2	264.5
crk	7.4	264.3
"4	7.1	264.6
M	6.8	264.9
"4	6.4	265.3
crk	6.9	264.8
E	6.6	265.1

2775

E	7.0	264.7
crk	7.3	264.4
"4	7.1	264.6
M	7.3	264.4
"4	7.8	263.9
crk	7.8	263.9
W	7.5	263.9

		271.68		
		3+0 = N.L. Hickory 50' wide		
W			8.2	263.5
Crk			8.4	263.3
1/4			8.3	263.4
M			7.9	263.8
1/4			7.8	263.9
Crk			7.8	263.9
E			7.5	264.2
T.R.	3.29	266.14	8.83	262.85
		N. curb		
E			2.3	263.8
Crk			2.6	263.5
1/4			2.6	263.5
M			2.7	263.4
1/4			2.9	263.2
Crk			2.9	263.2
W			3.2	262.9

		266.14		
		N 1/4		
W			3.1	263.0
Crk			3.0	263.1
1/4			3.0	263.1
M			~~2.8~~	263.3
1/4			2.6	263.5
Crk			2.7	263.4
E			2.5	263.6
		Center		
E			2.8	263.3
Crk			2.7	263.4
1/4			2.8	263.3
M			3.1	263.0
1/4			3.1	263.0
Crk			3.1	263.0
W			3.2	262.9

266.14

5 1/4

W	3.3	262.8
Cor	3.3	262.8
1/4	3.2	262.9
M	3.2	262.9
1/4	2.9	263.2
Cor	3.0	263.1
E	3.0	263.1

S. Cor

E	3.1	263.0
Cor	3.2	262.9
1/4	3.1	263.0
M	3.4	262.7
1/4	3.4	262.7
Cor	3.5	262.6
W	3.5	262.6

S. L. Hickory

W	3.6	262.5
Cor	3.6	262.5
1/4	3.7	262.4
M	3.6	262.5
1/4	3.6	262.5
Cor	3.3	262.8
E	3.5	262.6

0+25 S

E	3.9	262.2
Cor	3.6	262.5
1/4	3.9	262.2
M	4.4	261.7
1/4	4.2	261.9
Cor	4.0	262.1
W	4.0	262.1

		266.14		
		0+50		
W			4.4	261.7
Crk			4.4	261.7
1/4			5.0	261.1
M			4.8	261.3
1/4			4.6	261.5
Crk			4.7	261.4
E			4.4	261.7
		0+75		
E			4.7	261.4
Crk			4.9	261.2
1/4			5.1	261.0
M			5.4	260.7
1/4			5.5	260.6
Crk			5.1	261.0
W			5.1	261.0

		1+00		
W			5.7	260.4
Crk			5.8	260.3
1/4			6.0	260.1
M			6.0	260.1
1/4			5.9	260.2
Crk			5.3	260.8
E			5.5	260.6
		1+25		
E			6.0	260.1
Crk			6.2	259.9
1/4			6.5	259.6
M			6.5	259.6
1/4			6.8	259.3
Crk			6.2	259.9
W			6.1	260.0
T.P.	3.14	263.06	6.22	259.92

263.06

1+50

W	3.6	259.5
Crk	3.8	259.3
"g	4.2	258.9
M	4.0	259.1
"g	4.0	259.1
Crk	3.6	259.5
E	3.6	259.5

1+75

E	4.2	258.9
Crk	4.3	258.8
"g	4.7	258.4
M	4.9	258.2
"g	4.9	258.2
Crk	4.2	258.9
W	4.5	258.6

2+0

W	5.0	258.1
Crk	4.9	258.2
"g	5.6	257.5
M	5.4	257.7
"g	5.4	257.7
Crk	5.1	258.0
E	5.1	258.0

2+25

E	5.8	257.3
Crk	6.0	257.1
"g	6.4	256.7
M	6.1	257.0
"g	6.2	256.9
Crk	5.9	257.2
W	5.4	257.7

263.06

2+50

W	6.4	256.7
Curb	6.7	256.4
"/"	6.8	256.3
M	7.0	256.1
"/"	7.0	256.1
Curb	6.5	256.6
E	6.6	256.5

2+75

E	7.2	255.9
Curb	7.4	255.7
"/"	7.6	255.5
M	7.8	255.3
"/"	7.7	255.4
Curb	7.1	256.0
W	7.2	255.9

340 N. L. Chestnut St

W	7.8	255.3
Curb	7.8	255.3
"/"	8.4	254.7
M	8.2	254.9
"/"	7.8	255.3
Curb	7.9	255.2
E	7.7	255.4

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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.	DEGREES		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		Degrees
	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	