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

400
LEVEL

F.B. 454

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

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

454

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

Crocker Quality

LEVEL BOOK

No. 400

FROM
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SAN FRANCISCO
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Clough
Wardie
Churchm

Crossection of San Fernando St (50)
Continued from Book 457 (La Playa)

1

2

38-09

~~87.23~~

N bb of Jenkins st

wh		0.2	87.0
bb		1.5	85.7
y		2.3	84.9
b		3.0	84.2
y		3.5	83.7
bb		4.1	83.1
Et		4.7	82.5 ~~83.5~~

POSTED

N 1/4 Jenkins st

Et		4.6	82.6
bb		4.0	83.2
y		3.7	83.5
b		2.8	84.4
y		2.7	84.8
bb		1.2	86.0
wh		0.0	87.2

87.23

Center of Jenkins #

WL	0,0	87.2
bb	1,3	85.9
4	1,2	86.0
b	2,5	84.7
4	3.0	84.2
bb	3,9	83.3
EL	4,4	82.8

S ¼ of Jenkins

EL	4,2	83.0
bb	3,4	83.8
4	2,7	84.5
b	2,4	84.8
4	1,9	85.3
bb	1,0	86.2
WL	+0,4	87,6

87.23

Fernandez

S bb of Jenkins

WL	+0,4	87.6
bb	1,0	86.2
4	1,8	85.4
b	2,3	84.9
4	2,7	84.5
bb	3,3	83.9
EL	4,0	83.2

S line of Jenkins

EL	4.0	83.2
bb	3,2	84.0
4	2,4	84.8
b	1,9	85.3
4	1,3	85.9
bb	0,8	86.4
WL	+0,5	87,7

87.23

50' S of Junction →

WL	+0.4	87.6 ✓
bk	1,2	86.0
y	1,9	85.3
b	2,5	84.7
y	3,3	83.9
bk	4,2	83.0
EL	4,6	82.6 ✓

576.55 m E } = Government Line
68.03 m N }

EL	4,1	83.1 ✓
bk	3,5	83.7
y	3,1	84.1
b	2,8	84.4
y	2,0	85.2
bk	1,4	85.8
WL	0,0	87.2 ✓

POSTED

Clough Wardie Churchman 3/09

Crossection of Kellogue St 50

Full Length (La Playa)

	2,65	116.96		114.31	BM
	W Line of San Gabriel				San Gorgonio?
SL			2,5	114.5	
bh			1,7	115.3	
y			1,1	115.9	
b			0,5	116.5	
y			0,0	117.0	
bh			+0,2	117,2	
NL			+0,4	117,4	
	50' E of San Gabriel				
NL			7,7	109.3	
bh			7,0	110.0	
y			6,3	110.7	
b			5,8	111.2	
y			5,7	111.3	
bh			6,8	110.2	
SL			7,2	109.8	

POSTED

		116.96	117.0		Kellogue
	100' E of San Gabriel				
SL			13,0	104.0	
bh			12,8	104.2	
y			12,5	104.5	
b			12,4	104.6	
y			12,9	104.1	
bh			13,4	103.6	
NL			13,9	103.1	
TP	1,02	105,04	12,94	104,02	
	150' E of San Gabriel				
NL			8,7	96.3	
bh			9,0	96.0	
y			8,9	96.1	
b			9,2	95.8	
y			9,6	95.4	
bh			10,0	95.0	
SL			10,1	94.9	
TP	0,50	92,84	12,70	92,34	

POSTED

9284

	200'	E of	San Gabriel	
SL			3,5	89.3'
bh			3,5	89.3
"			3,2	89.6
b			3,0	89.8
"			2,4	90.4
bh			1,7	91.1
NL			1,2	91.6'
	250'	E of	San Gabriel	
NL			4,7	88.1'
bh			5,2	87.6
"			5,7	87.1
b			6,7	86.1
"			7,0	85.8
bh			7,2	85.6
SL			7,0	85.8'

9284 Kellogue

	300'	E = WL of San Fernando (50)		
SL			9,44	83.40 41' Bm
bh			9,3	83.5
"			9,2	83.6
b			9,2	83.6
"			9,1	83.7
bh			8,8	84.0
NL			8,2	84.6'
	E Line of San Fernando			
NL			12,3	80.5
bh			12,6	80.2
"			12,9	79.9
b			12,9	79.9
"			12,7	80.1
bh			12,7	80.1
SL			12,7	80.1
TP	0,30	80,39	12,75	80,09

8039

50' E of San Fernando

S2		3.0	77.4
bk		3.2	77.2
4		3.2	77.2
6		3.0	77.4
4		3.0	77.4
bk		3.0	77.4
N2		3.0	77.4

100' E of San Fernando

N2		3.8	74.6
bk		6.0	74.4
4		6.0	74.4
6		6.6	73.8
4		6.5	73.9
bk		6.6	73.8
S2		6.4	74.0

8039

150' E of San Fernando

S2		9.7	70.7
bk		9.7	70.7
4		9.6	70.8
6		9.6	70.8
4		9.4	71.0
bk		9.4	71.0
N2		9.4	71.0

200' E of San Fernando

N2			12.4	68.0
bk			12.4	68.0
4			12.4	68.0
6			12.6	67.8
4			12.7	67.7
bk			12.6	67.8
S2			12.6	67.8
TP	165'	69.17	12.97	67.47

Kellogg

6917

	750' E of San Fernando			
SL			4,5	64.6
bb			4,6	64.5
y			4,7	64.4
b			4,8	64.3
g			4,9	64.2
bl			4,8	64.3
NL			4,7	64.4
	300' E = W Line of San Elijo St (50')			
NL			8,2	60.9
bb			7,9	61.2
y			7,7	61.4
b			8,0	61.1
g			7,6	61.5
bl			7,6	61.5
SL			7,7	61.4

6917

E line of San Elijo St

SL			11,1	58.0
bb			11,3	57.8
y			11,3	57.8
b			11,4	57.7
g			11,3	57.8
bl			11,2	57.9
NL			11,3	57.8
TP	0,1	5-87	11,62	58.50
	50 E of San Elijo			
NL			3,7	55.0
bb			4,2	54.5
y			4,5	54.2
b			4,6	54.1
g			4,44	54.3
bl			4,0	54.7
SL			4,0	54.7

BM

5872

	100	E of	San Eliyo	st
SL			7,6	51.1
bb			7,6	51.1
y			7,8	50.9
b			7,9	50.8
y			7,9	50.8
bb			8,0	50.7
NL			7,5	51.2
	130	E of	San Eliyo	
NL			11,7	47.0
bb			11,9	46.8
y			11,7	47.0
b			11,6	47.1
y			11,3	47.4
bb			10,6	48.1
SL			10,4	48.3
TP	0,89	46,86	12.75	45.97

4686

	200	E of	San	Eliyo
SL			2,4	44.5
bb			2,8	44.1
y			3,5	43.4
b			3,6	43.3
y			3,8	43.1
bb			3,7	43.2
NL			4,0	42.9
	250	E of	San	Eliyo
NL			6,7	40.2
bb			7,0	39.9
y			6,5	40.4
b			6,6	40.3
y			6,2	40.7
bb			5,7	41.2
SL			5,3	41.6

		24686			
	300'	E = W Sin of Dionicio 2d			
SL			8,9	38.0	
bl			8,9	38.0	
y			9,0	37.9	
b			9,0	37.9	
y			9,5	37.4	
bl			9,5	37.4	
NL			10,1	36.76	
					BM
	1,86	36,90		35,10	
	E Sin of Dionicio 2d				
SL			2,5	34.5	
bl			3,0	34.0	
y			3,0	34.0	
b			3,2	33.8	
y			4,0	33.0	
bl			4,2	32.8	
NL			3,5	33.5	

		3696			Kellogin
	50'	E of Dionicio 2d			
NL			6,8	30.2	
bl			6,8	30.2	
y			7,0	30.0	
b			6,9	30.1	
y			6,4	30.6	
bl			5,9	31.1	
SL			5,3	31.7	
	100'	E of Dionicio			
SL			8,2	28.8	
bl			8,8	28.2	
y			9,2	27.8	
b			9,5	27.5	
y			10,0	27.0	
bl			9,7	27.3	
NL			9,2	27.8	

		3699		
	150'	E of	Dionicio	
NL		~~123~~	12,3	24.7
bl			12,4	24.6
y			13,0	24.0
b			12,7	24.3
y			12,0	25.0
bl			12,1	24.9
SL			11,4	25.6
TP	0,09	24,28	12,77	24,19
	200'	E of	Dionicio	
SL			2,1	22.2
bl			2,2	22.1
y			2,7	21.6
b			3,2	21.1
y			2,9	21.4
bl			2,9	21.4
NL			2,6	21.7
				21.4

		2428			Kellogg
	250'	E of	Dionicio		10
NL			6,2	18.1	
bl			6,4	17.9	
y			6,7	17.6	
b			6,6	17.7	
y			6,1	18.2	
bl			5,8	18.5	
SL			5,0	19.3	
	300' E = W Line of San Antonio + (100')				
SL			9,5	14,8	
bl			9,9	14.4	
y			9,5	14.8	
b			9,7	14.6	
y			9,7	14.6	
bl			9,8	14.5	
NL			10,0	14.3	
TP	1,83	16,33	9,80	14,50	monument

POSTED

1633

E line of San Antonio

NL	7.7	8.6
bl	7.4	8.9
y	7.5	8.8
b	6.7	9.6
y	6.8	9.5
bl	6.9	9.4
SL	6.1	10.2

50' E of San Antonio

SL	8.7	7.6
bl	9.2	7.1
y	9.4	6.9
b	9.8	6.5
y	10.3	6.0
bl	10.5	5.8
NL	10.5	5.8
		5.8

1633

Kellogg

11

75' E of Antonio

NL	12.8	3.5
bl	13.0	3.3
y	14.8	4.5
b	11.2	5.0
y	11.3	5.0
bl	11.0	5.3
SL	10.7	5.6

90' E

SL	18.0	-1.7
bl	18.0	-1.7
y	17.8	-1.5
b	17.8	-1.5
y	17.7	-1.4
bl	17.5	-1.2
NL	17.6	-1.3
		-1.3

POSTED

Crosssection of Lawrence St (50)
Entire length (La Playa)

	1,80	IV.83	11,03	BM 2 W Lawrence & San Antonio
	E line of San Antonio			
Rk		9,9	2.9	
bk		10,1	2.7	
y		10,0	2.8	
b		10,0	2.8	
y		10,0	2.8	
bk		9,9	2.9	
Sk		9,8	3.0	
	350'	E of San Antonio St		
Sk		13,7	-0.4	
bk		Buildings		
y				
b		14.6	-1.8	
y		Buildings		
bk				
Rk		15,4	-2.8	

POSTED

IV.83

Lawrence

100' E of San Antonio

Sk	on		18,6	-5.8
Rk	Beach		18,8	-6.0
	W line of San Antonio St (100')			
Sk			1,9	10.9
bk			1,4	11.4
y			1,2	11.6
b			0,7	12.1
y			1,2	11.6
bk			1,4	11.4
Rk	TP 1935	2035	1,80	11,03
	350'	W of San Antonio		
Rk			8,5	14.9
bk			8,4	15.0
y			8,4	15.0
b			9,0	14.4
y			9,0	14.4
bk			8,4	15.0
Sk			8,6	14.8

23.35

	100'	W of	San Antonio	
SL			3.6	19.8
BL			3.5	19.9
4			4.3	19.1
6			4.8	18.6
7			6.2	17.2
BL			4.3	19.1
NL			4.1	19.3

	13-0'	W of	San Antonio	
NL			0.8	22.6
BL			1.2	22.2
4			1.2	22.2
1			1.1	22.3
4			0.8	22.6
BL			0.7	23.0
SL			0.7	22.7
TP	12.15'	35.50	1.0	23.35'

35.50

	200'	W of	San Antonio	
SL			8.2	27.3
BL			8.5	27.0
4			8.3	27.2
6			8.9	26.6
7			9.4	26.1
BL			9.7	25.8
NL			9.4	261

	25-0	W of	San Antonio	
NL			5.9	29.6
BL			5.9	29.6
4			5.6	29.9
1			4.8	30.7
7			4.6	309
BL			4.8	307
SL			4.5	31.0

Lawrence L

		3550		
	300'	W =	E Sin of San Dionicio (50').	
SL			0.6	34.9
bl			1.0	34.5
y			1.3	34.2
b			1.5	34.0
y			1.5	34.0
bl			1.9	33.6
NL			1.7	33.8
TP	11.43	4614	0.79	34.71
	W Sin of Dionicio			
NL			8.9	37.2
bl			8.6	37.5
y			8.5	37.6
b			8.2	37.9
y			8.3	37.8
bl			8.2	37.9
SL			7.5	38.6

		4614		Lawrence
	50'	W of	Dionicio	
SL			3.8	42.3
bl			4.2	41.9
y			4.3	41.8
b			4.9	41.2
y			4.8	41.3
bl			4.8	41.3
NL			4.9	41.2
TP	12.01	5727	0.88	45.26
	100'	W of	San Dionicio	
NL			12.2	45.1
bl			12.2	45.1
y			12.1	45.2
b			12.0	45.3
y			11.5	45.8
bl			11.4	45.9
SL			10.9	46.4

		57.27		
	150'	w of	Deonitio	
SL			6,9	50.4
bh			7,8	49.5
"			7,7	49.6
b			8,4	48.9
"			8,4	48.9
bl			8,7	48.6
NL			8,5	48.8
	200'	w of	Deonitio	
NL			4,4	52.9
bh			4,5	52.8
"			4,3	53.0
b			4,5	52.8
"			4,1	53.2
bl			4,0	53.3
SL			3,6	53.7
TP	11,97	67,88	1,36	55.91

		67.88		Lawrence
	250	w of	San Deonitio	
SL			10,7	57.2
bh			11,0	56.9
"			11,0	56.9
b			11,8	56.1
"			11,3	56.6
bh			11,9	56.0
NL			11,7	56.2
	300'	w = E Line of San Elijo (50)		
NL			8,7	59.2
bh			8,8	59.1
"			8,5	59.4
b			8,4	59.5
"			7,8	60.1
bl			7,8	60.1
SL			7,4	60.5

POSTED

		67.88		
	W Line of San Elizo			
SL			4,8	63.1
bb			4,4	63.5
y			4,3	63.6
b			4,7	63.2
y			4,6	63.3
bb			4,7	63.2
NL			5,0	62.9
	50'	W of San Elizo		
NL			0,6	67.3
bb			0,9	67.0
TP	12,32	79.92	0,28	67.60
y			12,5	67.4
b			12,6	67.3
y			12,6	67.3
bb			12,7	67.2
SL			12,7	67.2

		79.92		
	100'	W of Elizo		
SL			9,0	70.9
bb			8,8	71.1
y			8,7	71.2
b			8,7	71.2
y			8,8	71.1
bb			8,6	71.3
NL			8,2	71.7
	150'	W of Elizo		
NL			4,0	75.9
bb			4,0	75.9
y			4,3	75.6
b			4,4	75.5
y			4,9	75.0
bb			5,0	74.9
SL			5,4	74.5

7992

	200	W of	San Elgo	
S2			1,3	78.6
4			1,0	78.8
4			1,0	78.9
6			0,8	79.1
4			0,7	79.0
4			0,6	79.3
N2			0,3	79.6
TP	1751	91.53	0,90	79.0r

	250	W of	Elgo	
N2			7,9	83.6
4			8,4	83.3
4			8,7	82.8
6			9,0	82.6
4			9,0	82.5
4			9,1	82.4
S2			9,1	82.4

91.53

Lawrence

	300	W =	E Line of San Fernando (S2)	
S2			3,9	87.6
4			4,8	87.7
4			4,0	87.5
6			4,5	87.0
4			4,5	87.0
4			4,4	87.1
N2			4,2	87.3
TP	1259	103.14	0,78	90.75

13m

W Line of San Fernando

N2			12,5	90.6
4			12,4	90.4
4			12,2	90.9
6			12,2	90.9
4			12,0	91.1
4			11,7	91.4
S2			11,2	91.9

10314

	50	W J	Fernandez	
SL			6,9	96.2
"			7,5	95.6
"			7,6	95.5
"			8,0	95.1
"			8,0	95.1
"			8,1	95.0
SL			8,3	94.8
	100	W J	Fernandez	
SL			4,2	98.9
"			4,0	99.1
"			3,8	99.3
"			3,6	99.5
"			3,3	99.8
"			3,0	100.1
SL			2,3	100.8
TP	12,77	115-36	0,55	101.69

115-36

	150	W J	Fernandez	
SL			8,5	106.9
"			8,6	106.8
"			8,1	107.3
"			8,1	107.3
"			7,8	107.6
"			7,8	107.6
SL			7,6	107.8
TP	12,89	128,15	8,10	115.26
	200	W J	Fernandez	
SL			11,0	117.2
"			10,6	117.6
"			9,7	118.5
"			9,4	118.8
"			8,5	119.7
"			8,6	119.6
SL			8,2	120.0
TP	12,77	140,83	0,09	128,06

Lawrence

POSTED

		140.83			
	250'	W of	San Eloy		
NL			6.7	134.1	
bh			8.5	132.3	
7			8.1	132.7	
b			7.6	133.2	
7			8.5	132.3	
bh			9.7	131.1	
SL			11.6	129.2	
	300'	W = E Line of	San Gabriel		
SL			8.6	132.2	
bh			5.9	134.9	
7			2.8	138.0	
TP	10.86	149.29	2.40	138.43	
b			8.1	141.2	
7			5.6	143.7	
bh			3.2	146.1	
NL			1.36	147.93	BM NEH San Gabriel Lawrence

Cross section of McCall St 50
Bay to End (La Playa)

	4.49	15.52		11.03	Bm Sorrento
	10.41	17.39	8.54	6.98	Bm S.W. McCall Santa Antonia
	W Sin of San Antonio St (Ave)				
SL			10.4	7.0	
bh			11.0	6.4	
y			13.0	4.4	
b			15.0	2.4	
y			14.0	3.4	
bh			13.4	4.0	
NL			13.2	4.2	
	50.1	W of	San Antonio		
SL			1.0	16.4	
bh			1.3	16.1	
y			0.8	16.6	
b			0.0	17.4	
y			6.0	11.4	
TP	11.22	28.60	0.01	17.38	
bh			{20.6 / 10.0}	8.0 / 18.6	
NL			9.9	18.7	

POSTED

		28.60		McCall
	80.1	W of	San Antonio	
NL			7.2	21.4
bh			{7.5 / 10.8}	21.1 / 17.8
y			10.7	19.9
b			{13.0 / 7.5}	15.6 / 21.1
y			7.5	21.1
bh			8.4	20.2
SL			8.3	20.3
	100	W of	San Antonio	
SL			7.1	21.5
bh			7.0	21.6
y			6.6	22.0
b			6.6	22.0
y			6.6	22.0
bh			6.4	22.2
NL			6.3	22.3

POSTED

2860

	130'	W of	San Antonio	
NL			2,3	26.3
bl			2,8	25.8
y			3,1	25.5
b			3,1	25.5
y			3,0	25.6
bl			3,3	25.3
SL			3,0	25.6
TP	1119	3969	010	2850
	200'	W of	San Antonio	
SL			11,3	28.4
bl			11,8	27.9
y			11,2	28.5
b			11,1	28.6
y			10,9	28.8
bl			10,8	28.9
NL			10,2	29.5

3969

McCall

	250'	W of	San Antonio	
NL			6,9	32.8
bl			7,5	32.2
y			7,7	32.0
b			7,9	31.8
y			8,0	31.7
bl			8,5	31.2
SL			8,4	31.3
	300'	W = E	of San Dimas	
SL			5,3	34.4
bl			5,3	34.4
y			5,1	34.6
b			4,6	35.1
y			4,5	35.2
bl			4,4	35.3
NL			2,5	36.2
TP	1257	5164	062	28,07

		51.64		
	W Sin of San Dionisio at (50')			
NL			12.6	39.0
bh			13.0	
y			13.2	
b			13.3	38.3
y			13.4	
bh			13.5	
SL			13.7	39.9
	50'	w of	Dionisio	
SL			9.2	42.4
bh			9.0	
y			9.5	
b			9.3	42.3
y			9.1	
bh			9.1	
NL			8.9	42.7

		51.64		McCall
	100'	w of	Dionisio	
NL			5.7	45.9
bh			5.9	
y			6.0	
b			6.0	45.6
y			6.0	
bh			6.2	
SL			6.2	45.4
	150'	w of	Dionisio	
SL			2.1	49.5
bh			2.1	
y			1.7	
b			1.4	50.2
y			1.3	
bh			1.2	
NL			0.7	50.9
TP	13.01	64.28	0.37	51.27

		64.28		
	200'	W of	Dionitia	
NL			9,4	54.9
bh			10,0	
y			10,0	
b			10,0	54.3
y			10,1	
bh			10,6	
SL			10,2	54.1
	250'	W of	Dionitia	
SL			6,0	58.3
bh			5,8	
y			5,5	
b			5,4	58.9
y			5,3	
bh			5,3	
NL			4,9	59.4

		64.28			McCall
	300'	W = E Sin of	San Eligo	(50)	23
NL			0,2	64.1	
bh			0,3		
y			0,5		
b			1,2	63.1	
y			1,1		
bh			1,0		
SL			1,3	63.0	
TP	12,98	17,26	00	64.28	
	W Sin of	San	Eligo		
SL			9,6	67.7	
bh			9,3		
y			9,0		
b			8,7	68.6	
y			8,6		
bh			8,4		
NL			8,1	69.2	

		77.26			
	50'	w f	Elyo		
nL			3,0	74.3	
			3,1		
y			3,1		
b			3,7	73.6	
y			3,7		
bL			3,8		
SL			3,7	73.6	
TP	12,41	88,67	10,0		
	100'	w f	Elyo		
SL			10,2	78.5	
bL			10,0		
y			9,8		
b			9,6	79.1	
y			9,5		
bL			9,4		
nL			9,0	79.7	

		88.67			McCall
	150'	w f	Elyo		
nL			3,7	85.0	
bL			4,5		
y			5,0		
b			5,7	83.0	
y			5,7		
bL			6,0		
SL			6,3	82.4	
	200'	w f	Elyo		
SL			1,7	87.0	
bL			1,5		
y			0,9		
b			0,4	88.3	
TP	11,71	99.17	1,21	87.46	
y			10,9		
bL			10,5		
nL			9,8	89.4	

99.17

	250'	W of	San Elijo	
N2			4.0	95.2
4			4.6	
6			4.9	
8			5.4	93.8
10			5.8	
12			6.5	
S2			6.7	92.5
TP	12.39	111.47	0.09	99.08
	300'	W = E Lin	of San Fernando	
S2			1.24	99.1
12			1.31	
10			1.80	
8			1.25	99.0
6			1.20	
4			1.12	
N2			1.09	100.6

111.47

	W Lin of	Fernando		
N2			6.0	105.5
4			6.3	
6			4.7	
8			3.4	108.1
10			3.6	
12			4.1	
S2			4.80	106.67
TP	12.67	124.01	0.13	111.34
	50'	W of	Fernando	
S2			1.04	113.6
12			9.3	
10			8.6	
8			8.1	115.9
6			8.8	
4			11.2	
N2			1.20	112.0

McBell

BM Sta

12401

	160'	W of	Fernando	
N2			2,9	121.1
bl			3,7	
y			4,7	
b			5,0	119.0
y			3,2	
bl			3,4	
S2			6,3	117.7
TP	12491	13684	008	12393
	150'	W of	Fernando	
S2			12,5	124.3
bl			11,8	
y			11,6	
b			11,3	125.5
y			10,9	
bl			10,3	
N2			9,5	127.3

13684

McCall

	200'	W of	Fernando	
N2			2,2	134.6
bl			2,6	
y			3,5	
b			4,1	132.7
y			4,6	
bl			5,6	
S2			6,4	130.4
	200'	W of	Fernando	
S2			8,6	128.2
bl			7,4	
y			7,0	
b			7,1	134.7
y			1,0	
bl			0,2	
N2			10,5	137,3

POSTED

		13684		
	250'	w f	Fernando	
nh			41,0	137,8
bh			2,0	
y			3,0	
bh			3,6	133.2
y			4,5	
bh			4,3	
Sh			3,4	133.4
T.P	9,62	14646	8,0	13684
	275'	w f	Fernando	
Sh			8,0	138.5
bh			7,1	
y			6,1	
b			5,6	140.9
y			5,1	
bh			7,5	
nh			8,5	138.0

		14646		
	300'	w = E line of San Gabriel		
nh			0,68	145.78
bh			0,0	
y			0,2	
b			1,4	145.1
y			3,0	
bh			4,0	
Sh			5,5	141.0

McCall

Bm nE

POSTED

Clough
Wardie
Churchman
3-16-09

Crossection of Nichols St 50

	Entire	Length	(La Playa)		
	12,90	19.88		6,98	Bm SW McCall San Antonio
	11,21	29.83	1,26	18,62	Bm SW Nichols San Antonio
	W Line of San Antonio St (100)				
SL			11,2	18.6	
bl			11,3		
y			11,5		
b			11,5	18.3	
y			11,8		
bl			12,0		
NL			12,2	17.6	
	50'	w f	San Antonio		
NL			8,0	21.8	
bl			8,3		
y			8,2		
b			8,1	21.7	
y			8,0		
bl			7,7		
SL			7,9	21.9	

POSTED

29.83

Nichols

	100'	w f	San Antonio		
SL			3,7	26.1	
bl			3,5		
y			3,5		
b			3,8	26.0	
y			3,6		
bl			3,6		
NL			3,6	26.2	
	150'	w			
NL			0,7	29.1	
bl			0,7		
y			0,3		
TP	12,32	41,75	0,40	29,43	
b			12,3	29.5	
y			12,0		
bl			12,1		
SL			11,7	30.1	

		41.75		
	200	W of	San Antonio	
SL			7.7	34.1
bh			8.1	
y			8.0	
b			7.9	33.9
y			8.0	
bh			8.2	
NL			8.4	33.4
	250	W of	San Antonio	
NL			5.0	36.8
bh			4.7	
y			4.8	
b			4.4	37.4
y			4.2	
bh			4.0	
SL			3.4	38.4
TP	12.48	54.10	0.13	46.2

		54.10		
	300	W of =	E L of San Dionisio	st (50)
SL			11.8	42.3
bh			12.1	
y			12.0	
b			12.0	42.1
y			11.9	
bh			12.1	
SL			12.3	41.8
		W Line of San Dionisio		
NL			7.2	46.9
bh			7.5	
y			7.6	
b			7.6	46.5
y			7.6	
bh			7.7	
SL			7.9	46.2

Inches

		5410		
	50'	W of San Dionisio st		
SL			3,8	50.3
bh			3,4	
y			3,2	
b			3,2	50.9
y			2,8	
bh			2,7	
NL			2,6	51.5
TP	12,35	6620	0,25	53.85
	100'	W of San Dionisio		
NL			9,7	56.5
bh			10,0	
y			10,1	
b			10,1	56.1
y			10,2	
bh			10,6	
SL			10,8	55.4

		6620		
	150'	W of Dionisio st		
SL			5,7	60.5
bh			5,3	
y			5,0	
b			4,7	61.5
y			4,6	
bh			4,5	
NL			4,1	62.1
TP	200	W of Dionisio		
NL			+0,3	66.5
bh			0,0	
y			0,0	
b			0,0	66.2
y			0,0	
bh			0,9	
SL			1,1	65.1
TP	12,33	7839	0,14	66.06

nichols

		78.39		
	250'	w of	Diameter	
SL			9,1	69.3
bh			8,9	
y			8,5	
b			8,0	70.4
y			7,8	
bh			7,6	
NL			7,2	71.2
	300'	w = EL of	Elizo st (50)	
NL			3,1	75.3
bh			3,6	
y			4,0	
b			4,3	74.1
y			4,6	
bh			5,0	
SL			5,6	72.8
TP	12,94	90,33	1,00	77,39

		90.33		Nichols
	W Lin	of Elizo st		
SL			12,9	77.4
bh			12,3	
y			12,0	
b			11,6	78.7
y			11,3	
bh			10,9	
NL			10,8	79.5
	50'	w of	Elizo	
NL			6,3	84.0
bh			7,0	
y			7,3	
b			7,6	82.7
y			8,0	
bh			8,1	
SL			9,1	81.2

90.33

	100'	W. of	Elyp	
SL			6,6	83.7
bl			6,2	
y			5,0	
b			5,0	85.3
y			4,5	
bl			3,4	
NL			3,4	86.9
	150'	W of		
NL			0,4	89.9
bl			0,6	
y			1,5	
b			2,0	88.3
y			2,5	
bl			3,3	
SL			3,9	86.4
TP	12.42	102.63	0.12	90.21

102.63

	175'	W of	Elyp	
SL			1,3	98.8
bl			1,3	
y			1,3	
b			1,8	89.8
y			1,3	
bl			1,7	
NL			1,0	91.7
	200	W of	Elyp	
NL			3,8	96.8
bl			4,6	
y			4,0	
b			3,8	98.8
y			3,5	
bl			4,0	
SL			4,5	98.1
TP	12,78	115.35	0.06	102.57

		115.35		
	225'	W of	Elyt	
SL			7.4	108.0
tk			6.2	
y			5.6	
b			5.7	109.7
y			5.0	
tk			4.8	
NL			5.2	110.2
TP	1.63	127.41	0.57	114.78
	250'	W of	Elyt	
NL			9.6	117.8
tk			9.3	
y			9.7	
b			10.3	117.1
y			10.5	
tk			10.5	
SL			12.7	114.7

		127.41		Nichols
	300'	W = E Line of Fernando		
SL			5.3	122.1
tk			5.0	
y			4.1	
b			2.6	117.5
y			2.2	
tk			0.2	
NL			+0.3	127.7
TP	1.20	139.07	0.54	126.87
	W Line of Fernando			
SL			12.0	126.9
tk			12.3	
y			12.5	
b			12.4	126.7
y			12.3	
tk			12.2	
NL			12.0	127.17

BM

POSTED

13907

	50'	W of	Fernando	
N2			11.0	128.1
4h			11.7	
4			12.3	
6			13.0	126.1
4			13.3	
4			14.1	
S2			14.3	124.8
	75'	W of	Fernando	
S2			12.5	126.6
4			12.1	
4			11.2	
6			10.1	129.0
7			8.2	
4h			5.1	
N2			2.9	136.2

13907

	100'	W of	Fernando	
N2			0.8	138.9
4			5.0	
4			6.7	
6			8.4	130.5
4			9.0	
4			9.6	
S2			10.0	129.1
	125'	W of	Fernando	
S2			7.4	131.7
4			7.0	
4			6.0	
6			5.3	133.8
7			4.4	
4			3.3	
N2			1.7	137.7

	150'	13907 w f	Fernando	
m2			+0.8	139.9
bh			2,0	
y			3,9	
b			4,4	134.7
y			5,0	
bh			4,8	
S2			4,5	134.6
TP	10,60	14930	0,37	10870
	200	W B	Fernando	
m2			9,3	140.0
bh			9,4	
y			7,4	
b			6,0	143.3
y			2,0	
TP	11,82	16104	0,08	14922
bh			9,3	
S2			2,2	151.8
TP	12,82	17358	0,78	160.74

	250'	17358 w f	Fernando	
S2			4,5	169.1
bh			4,0	
y			3,8	
b			2,8	170.8
y			2,8	
bh			3,4	
m2			4,5	169.1
TP	17,76	18621	0,13	17345
	301	W = 62 m f	Gabriel	
S2			6,7	179.5
bh			5,9	
y			5,2	POSTED
b			4,4	191.8
y			3,6	
bh			3,1	
m2			1,63	18458

BM 32 A
Gabriel

Clough Wardie Churchman	Crossection of Owens st (50)				
	Entire Length			(Su Playa)	
3/16/09	6,42	25.04		18.62	Bm SW nichols
	12,65	33,27	4,42	20.62	Bm NW & Owens San Antonio
	W Line of San Antonio				
NL		1,1	12,6	20.7	
bh			12,3		
y			12,2		
b			12,3	21.0	
y			12,4		
bh			12,4		
SL			13,2	20.1	
	50' W of San Antonio				
SL			7,1	26.2	
bh			6,9		
y			7,0		
b			7,2	26.1	
y			7,3		
bh			7,4		
NL			7,5	25.8	

POSTED

		33,27			Owens st
	100'	W of	San	Antonio	
NL			2,7	30.6	
bh			2,7		
y			2,7		
b			3,0	30.3	
y			2,7		
bh			2,6		
SL			2,6	30.7	
TP	12.07	45.34	0,0	33.27	
	150'	W of	San Antonio		
SL			11,4	33.9	
bh			11,5		
y			11,5		
bh			11,3	34.0	
y			11,2		
bh			11,1		
NL			10,9	34.4	

45.34

200' W of San Antonio

NL			7,0	38.3
bh			6,7	
y			6,7	
b			6,4	38.9
y			7,0	
bh			7,1	
SL			6,7	38.6

250' W of San Antonio

SL			6,7	38.6
bh			6,4	
y			5,1	
b			2,6	42.7
y			2,2	
bh			1,7	
NL			1,4	43.9
TP	11,94	57.22	0,06	45.28

57.22

Owens

300' W = E Line of San Dionicio (50)

NL			7,7	49.5
bh			8,2	
y			8,4	
b			11,2	46.0
y			13,2	
bh			16,1	
SL			13,3	43.9

W Line of San Dionicio

SL			8,0	49.2
bh			10,9	
y			9,6	
b			7,2	50.0
y			5,6	
bh			4,7	
NL			7,0	53.2
			375	53.40

		57.75		
	25'	w f	Jan Dionicio	
nL			2,1	55.0
bh			6,1	
y			7,6	
b			8,9	48.2
y			6,8	
bl			5,8	
SL			5,2	51.9
	50'	w f	Dionicio	
SL			3,0	54.1
bh			3,1	
y			3,3	
b			4,4	52.7
y			5,2	
bl			4,8	
nL			3,4	53.7
TP	12,86	70.01	0,0	57.15

		70.01		Owens
	100'	w f	Dionicio	
nL			15,0	55.0
bh			13,0	
y			12,4	
b			11,5	58.5
y			11,3	
bl			8,5	
SL			8,4	61.6
	150'	w f	Dionicio	
SL			3,5	66.5
bl			3,5	
y			3,4	
b			3,2	66.8
y			~~3,4~~	
bl			7,0	
nL			8,6	61.4

		70.01		
	200	w f	Dunicio	
nl			2,1	67.9
bl			0,8	
TP	12,90	82,91	0,0	70.01
4			12,7	
b			12,2	70.7
4			12,0	
bl			11,0	
Sl			9,2	73.7
	225'	w f	Dunicio	
Sl			0,7	82.2
bl			2,5	
4			4,1	
b			6,9	76.0
4			8,9	
bl			9,7	
nl			10,2	72.7

		82.91		Owens
	250'	w f	Dunicio	
nl			7,2	75.7
bl			6,2	
4			3,5	
b			1,0	81.9
TP	12,52	95,43	0,0	82.91
4			11.1	
bl			8,8	6
Sl			7,3	88.1
	275'	w f	Dunicio	
Sl			1,0	94.4
bl			2,5	
4			4,8	
b			8,0	87.4
4			10,6	
bl			13,1	
nl			16.8	79.6

		95.43			
	300'	W =	E Line of	Elizo	(50)
NL			7.4	88.0	
bl			1.6		
TP	12.75	108.18	0.0	95.43	
y			11.8		
b			10.0	98.2	
y			8.8		
bl			8.3		
SL			8.1	100.1	
	W Line of Elizo				
SL			4.56	103.56	BM
bl			3.4		
y			2.0		
b			1.6	106.6	
y			1.5		
bl			1.7		
NL			2.8	105.4	
TP	6.52	114.70	0.0	108.18	

		114.70			Owens St
	50'	W of	Elizo		
NL			0.3	114.4	
bl			2.0		
y			3.2		
b			4.5	110.2	
y			6.1		
bl			8.0		
SL			11.3	103.4	
	70'	W of	Elizo		
NL			+1.0	115.7	
	100'	W of	Elizo		
SL			10.6	104.1	
bl			8.9		
y			7.7		
b			6.3	108.4	
y			4.9		
bl			3.3		
NL			2.3	112.4	

		114,70		
	150'	w f	Elizo	
nL			4,3	110.4
bh			5,7	
y			6,5	
b			6,7	108.0
y			7,3	
bh			7,3	
SL			7,6	107.1
	200'	w f	Elizo	
SL			3,0	111.7
bh			3,0	
y			3,1	
b			2,9	111.8
y			2,6	
bh			2,1	
nL			1,5	113.2
TP	12,88	127,22	0,36	114,34

		127,22		
	250'	w f	Elizo	
nL			8,4	118.8
bh			8,9	
y			9,2	
b			9,4	117.8
y			9,6	
bh			10,4	
SL			10,6	116.6
TP	11,06	138,28	0,0	127,22
	300'	w = Elizo f Fernando (50)		
SL			13,3	125.0
bh			13,0	
y			12,7	
b			11,9	126.4
y			11,3	
bh			11,0	
nL			10,4	127.9
TP	12,25	150,53	0,0	138,28

150.53

W line of San Fernando St

S2			12,1	138.4
bk			9,6	
y			8,4	
b			6,8	143.7
y			5,2	
bk			4,2	
N2			3,9	146.6
TP	12,70	162,98	0,25	150,28
	25'	w/ Fernando		
N2			6,3	156.7
bk			7,8	
y			8,6	
b			16,8	152.2
y			12,6	
bk			14,0	
S2			16,4	146.6

162.98

Avers

50' W/ Fernando St

S2			11,5	151.5
bk			8,2	
y			5,8	
b			1,8	161.2
	75'	W/	Fernando	
S2			8,2	154.8
bk			4,2	
y			0,0	
TP	11,49	172,57	1,50	161,78
	50'	W/	Fernando	
N2			6,7	156.3
bk			7,7	
y			9,0	
	75'	W/	Fernando	
N2			1,8	171.2
bk			2,2	
y			3,0	
			4,2	168.8

POSTED

17297

	100'	wf	Fernando	
n2			2,3	170.7
bk			3,8	
y			4,8	
br			6,2	166.8
y			6,0	
bk			8,0	
s2			13,4	159.6
	115'	wf	Fernando	
s2			19,4	153.6
bk			12,6	
y			9,0	
br			7,6	165.4
y			5,0	
bk			3,8	
n2			1,7	171.3

17297

	150'	wf	Fernando	
s2			16,0	157.0
bk			7,0	
y			4,0	
br			11	171.9
TP	11,94	18328	1,62	17134
y			7,0	
bk			6,5	
n2			4,0	179.3
	200'	wf	Fernando	
n2			5,7	177.6
bk			8,4	
y			10,2	
br			16,0	167.3
y			13,4	
bk			11,5	
s2			5,7	177.6

POSTED

		18328			
	215'	w of	Fernando		
NL			5,0	178.3	
bb			6,8		
bb			11,0		
b			14,0	169.3	
y			11,8		
	225'	w of	Fernando		
NL			10,6	172.7	
bb			11,6		
y			11,6		
b			9,4	173.9	
y			1,5		
TP	11,64	19359	1,33	181.95	
bb			7,0		
SL			7,5	186.1	

		19359			Owens
	250'	w of	Fernando		
SL			4,7	188.9	
bb			4,7		
y			5,5		
b			5,9	187.7	
y			7,4		
bb			7,3		
NL			8,7	184.9	
	260'	w			
NL			3,2	190.4	
bb			3,8		
	300'	w = E Line of San Gabriel			
NL			1,7	191.9	POSTED
bb			2,9		
y			3,8		
b			4,6	189.0	
y			5,3		
bb			6,3		
SL			7,94	185.65	B m SE. Gabriel

Clough wardie Churchwer	Crossection of Perry St (50) Entire Length (So Plaza)				
3-19-09					SWH Perry San Antonio
	13,00	24.18		11,18	
	W Line of San Antonio				
SL			13,0	11.2	
bh			13,2		
y			13,1		
b			13,4	10.8	
y			13,6		
bh			13,6		
nL			14,2	10.0	
	50'	w of	San Antonio		
nL			6,0	18.2	
bh			5,0		
y			6,0		
b			5,0	19.2	
y			5,7		
bh			5,6		
SL			5,5	18.7	
TP	11,82	35,60	0,40	23,78	

POSTED

		35,60			Perry St
	100'	w of	San Antonio		
SL			8,4	27.2	
bh			8,5		
y			9,8		
b			10,1	25.5	
y			10,5		
bh			11,0		
nL			11,3	24.3	
	150'	w of	San Antonio		
nL			3,4	32.2	
bh			3,2		
y			3,0		
b			2,5	33.1	
y			2,5		
bh			2,8		
SL			3,0	32.6	
TP	12,08	47.68	0,0	35,60	

POSTED

		47.68			
	200'	W of	San	Antonio	
SL			6,1	41.6	
bh			6,0		
y			6,0		
b			6,0	41.7	
y			5,8		
bh			5,3		
NL			5,3	42.4	
TP	12,26	59,94	0,0	47.68	
	250'	W of	San	Antonio	
NL			6,9	53.0	
bh			7,8		
y			8,7		
b			9,8	50.1	
y			9,7		
bh			9,3		
SL			8,7	51.2	
TP	12,70	72,35	0,29	59,65	

		72,35			Perry st
	300'	W = E Sin of	San	Dionicio	(50')
SL			11,4	61.0	
bh			10,8		
y			11,5		
b			12,7	59.7	
y			11,8		
bh			10,7		
NL			9,7	62.7	
TP	12,23	84,13	0,25	71,90	Bm SW San Dionicio
	W Sin	of San	Dionicio		
SL			12,3	71.8	
			12,3		
			12,7		
			13,0	71.1	
			12,2		
			12,2		
			11,0	73.1	

84.13

25' w of San Dionicio

N2			7.5	76.6

50' w of San Dionicio

N2			10.3	84.4
b			10.5	84.6
S2			0.0	84.1
TP	12.93	97.06	0.0	84.13
TP	12.70	10.57	0.25	96.81

100' w of San Dionicio

S2			12.9	96.6
b			12.2	97.3
N2			11.6	97.9
TP	12.81	12.25	0.07	109.44

150' w of San Dionicio

N2			11.6	110.6
b			12.4	109.8
S2			13.0	109.2

122.25

200' w of San Dionicio

S2			2.3	119.9
b			0.4	121.8
TP	12.88	13.13	0.0	122.25
N2			11.7	118.4

250' w of San Dionicio

N2			10.2	133.3
b			2.4	132.7
S2			5.0	130.1
TP	6.75	14.59	0.29	134.84

285' w of San Dionicio

N2			0.90	141.6

300' w = Elev of Elija

N2			1.0	140.6
b			3.0	138.6
S2			5.60	136.0

14159

N line of Elys

N2			5.9	135.7
TP	10.4	139.5	12.78	126.51
b			13	125.8
S2			23.5	115.6

25' W of San Elys

S2			19.6	119.5
b.			11.0	128.1
N2			3.0	136.1

50' W of San Elys

N2			7.0	140.0
b			3.0	136.1
S2			11.2	127.9

75' W of Elys

N2			0.2	138.9
b			12.1	126.7
TP	0.65	12.76	12.14	126.91
S2			11.00	116.6

12756

Perry

100' W of San Elys

N2			0.0	127.6
b			10.0	117.6

125' W of Elys

N2			9.8	117.8
TP	0.96	115.95	12.57	114.99

100' W of Elys

S2			6.3	109.6

125' W of Elys

S2			12.1	103.4
b			8.3	107.7

150' W of Elys

S2			12.0	103.9
b			10.0	105.9
N2			4.5	111.4

175' W of Elys

N2			6.0	109.9
b			5.0	110.9
S2			1.0	114.9

		115.95		
TP	12,28	128.18	0.05	115.90
	200'	w f	Elyo	
SL			0,0	128.2
b			4,0	124.2
NL			9,7	118.5
TP	12,77	140.95	00	128.18
TP	11,75	152.69	0.01	140.94
TP	12,25	164.94	0,0	152.69
	230	w f	Elyo	
SL			15,0	149.9
	250'	w f	Elyo	
SL			7,0	157.9
b			4,8	160.1
NL			14.8	150.1
TP	12,48	177.28	0,14	164.80
	275'	w f	Elyo	
SL			10.4	166.9
b			8,4	168.9
NL			6,8	170.5

		177.28			Perry w
	300'	w f = E Sin of		Fernando (50)	
SL			6.0	171.3	
b			1,4	175.9	
NL			0.1	177.2	
TP	8,99	186.27	0,0	177.28	
	W Sin	of	Fernando		
					Bm
NL			14,8	184.75	
b			5,0	181.3	
SL			12,8	173.5	
	50'	w f	Fernando		
SL			12,0	174.3	
b			8,8	177.5	
NL			5,3	181.0	
	60'	w f	Fernando		
NL			5,0	181.3	
b			8,3	178.0	
SL			14,8	171.5	

18627

	85'	W f	Fernando	
S 2			13.1	173.2
b			5.7	180.6
N 2			+1.0	187.3
	100'	W f	Fernando	
S 2			13.3	173.0
b			6.1	180.7
N 2			+0.8	187.1
	150'	W f	Fernando	
S 2			5.3	181.0
T P	12.14	19824	0.17	186.40
b			13.3	184.9
N 2			5.7	192.5
T P	12.90	21114	0.0	198.24
	200'	W f	Fernando	
N 2			12.7	198.4
b			10.1	201.0
S 2			12.2	198.9

POSTED

21114

	250'	W f	Fernando	
S 2			6.8	204.3
b			2.4	208.7
N 2			0.5	210.6
	275'	W f	Fern	
N 2				N13.6
	300' = E 2		y Gabriel	
S 2			10.1	201.0
b			6.0	205.1
T R	11.42	21457	3.99	205.15
N 2			7.01	209.52
	275'	W f	Fernando	
N 2			2.8	213.8

Perry

3m N 2 San Gabriel

Crossection of Quantrough Lt (50)

	Enter Length		La Plaza		
	1.27	12.45		11.18	Bm SW Perry & San Antonio
	W Line of San Antonio				
SL			15.5	-3.0	
bl			15.6		
"			15.6		
b			15.5	-3.0	
"			15.6		
bl			15.0		
NL			15.1	-2.7	
	15'	W of	San Antonio		
NL			8.0	4.4	
b			8.0	4.4	
SL			7.0	5.4	
TP	12.68	25.13	0.0	12.45	
	25'	W of	San Antonio		
SL			11.3	13.8	
b			13.3	11.8	
NL			13.0	12.1	

POSTED

		25.13			Quantrough
	50'	W of	San Antonio		
NL			5.8	19.3	
b			6.0	19.1	
SL			5.4	19.7	
	70'	W of	San Antonio		
SL			2.3	22.8	
b			3.8	21.3	
NL			3.0	22.1	
TP	12.55	37.47	0.21	24.92	
	100'	W of	San Antonio		
NL			6.2	31.3	
b			6.2	31.3	
SL			6.4	31.1	
TP	12.42	49.89	0.0	37.47	
	150'	W of	San Antonio		
SL			7.6	42.3	
b			8.0	41.9	
NL			7.1	42.8	
TP	12.72	62.61	0.0	49.89	

		62.61		
	200'	w f	San Antonio	
NL			9,4	53.2
b			9,6	53.0
SL			9,7	52.9
	250'	w		
SL			2,1	60.5
b			0,4	62.2
NL			+0,4	63.0
TP	12,45	74.53	05.3	62.08
	300'	w = E Line of San Dionicio St (50)		
NL			0,9	73.6
b			2,6	71.9
SL			4,5	70.0
TP	12,66	87.19	0,0	74.53
TP	12,95	100.14	0,0	87.19
	W Line of San Dionicio			
SL			13,0	87.1
b			11,4	88.7
NL			8,5	91.6

Quantrough

TP	12.82	112.98	0.0	100.14
	50'	w f	San Dionicio	
SL			11,7	101.3
b			8,4	104.6
NL			7,3	105.7
TP	12,83	125.79	0.0	112.98
	100'	w f	San Dionicio	
NL			7,8	118.0
b			10,2	115.6
SL			10,8	115.0
TP	12.69	138.45	0.03	125.76
	150'	w f	San Dionicio	
SL			11,0	127.5
b			9,6	128.9
NL			7,8	130.7
TP	12.66	151.11	0.0	138.45

		151.11			
	200'	W of San Dionisio			
NL			9,6	141.5	
b			10,7	140.4	
SL			12,6	138.5	
	250'	W of San Dionisio			
SL			1,7	149.4	
b			0,2	150.9	
NL			+0,4	151.5	
TP	12,93	163.81	0,23	150.88	
	300'	W = E Line of San Eliyo			
NL			3,5	160.3	
b			4,6	159.2	
SL			5,6	158.2	
	WL of San Eliyo				
SL			163.8 / 2,6	161.2	
bh			1,6	162.2	
y			1,0	162.8	
b			0,7	163.1	
TP	12,41	176.22	176.2 / 0,0	163.81	
y			12,5	163.7	
bh			12,0	164.2	
NL			11,2	165.10	

		176.22			Quantrange
	50'	W of Eliyo			
NL			176.2 / 5,7	170.5	
bh			5,1	171.1	
y			5,7	170.5	
b			6,5	169.7	
y			7,5	168.7	
bh			7,6	168.6	
SL			8,0	168.2	
TP	12,29	188.39	0,12	176.10	
	100'	W of Eliyo			
SL			188.4 / 11,5	176.9	
bh			11,2	177.2	
y			10,7	177.7	
b			10,3	178.1	
y			9,9	178.5	
bh			9,6	178.8	
NL			9,2	179.2	

		188.39		
	150	w f	Elev	
			188.4	
NL			0.8	187.6
bl			1.2	187.2
y			2.0	186.4
b			2.3	186.1
y			3.0	185.4
bl			3.2	185.2
SL			3.5	184.9
T.P	12.25	200.64	0.0	188.39
	200	w f	Elev	
			200.6	
SL			8.0	192.6
bl			7.3	193.3
y			6.7	193.9
b			6.2	194.4
y			5.9	194.7
bl			5.7	194.9
NL			5.3	195.3
T.P	6.94	207.37	0.01	200.64

		207.37		
	250	w f	Elev	
			207.4	
NL			5.7	201.7
bl			6.1	201.3
y			6.4	201.1
b			6.7	200.7
y			7.4	200.0
bl			7.9	199.5
SL			8.4	199.0
	300	w = E Line of	San Fernando (50)	
SL			6.4	201.0
bl			4.8	202.6
y			3.9	203.5
b			3.0	204.4
y			2.1	205.3
bl			1.8	205.6
NL			1.9	205.5

Quantrought

207.37

W Line of Fernando

					BM
n2			8.50	198.87	
k			8.4		
y			7.8		
l			7.0	200.4	
y			7.4		
bl			8.7		
S2			10.3	197.1	
TP	1.80	196.89	12.28	193.09	

25' W of Fernando

S2		8.6	188.3	
bl		8.7		
y		8.4		
l		8.0	188.9	
y		8.3		
bl		8.0		
n2		8.0	188.9	
TP	0.36	184.68	12.57	184.32

184.68

50' W of Fernando

n2	5.3	179.2	
bl	6.3		
y	6.6		
l	7.2	177.5	
y	7.6		
bl	6.5		
S2	7.9	176.8	

75' W of Fernando

S2	16.8	167.9	
bl	16.3		
y	13.0		
l	13.8	170.9	
y	13.0		
bl	11.7		
n2	10.6	174.1	

85' W of Fernando

S2	16.8	167.9	

184.68

	100'	w f	Fernando	
NL			9.5	175.2
bl			10.2	
y			11.1	
b			11.3	173.4
y			10.5	
bl			10.0	
SL			9.6	175.1
	125'	w of	Fernando	
SL			2.2	182.5
bl			3.6	
y			6.0	
b			7.2	177.5
y			7.0	
bl			6.7	
NL			6.2	178.5
TP	12.54	197.06	0.16	184.52

197.06

Quantrough

55

	150'	w f	Fernando	
NL			11.0	186.1
bl			11.0	
y			11.3	
b			10.9	186.2
y			9.0	
bl			5.9	
SL			3.9	194.2
	175	w f	Fernando	
NL			4.1	193.0
bl			5.1	
y			5.0	
b			2.6	194.5
TP	12.93	209.99	0.0	197.06
y			13.0	197.0
bl			9.0	
SL			6.3	203.7

		209.99		
	200'	W of Fernando		
SL			1,0	209.0
bl			2,0	
y			2,5	
b			4,6	205.4
y			6,9	
bl			7,0	
nL			7,9	202.1
TP	12.85	222.65	0,19	209.80
	225'	W of Fernando		
nL			12,7	210.0
bl			12,6	
y			12,3	
b			11.1	211.6
y			10,2	
bl			8,1	
SL			6,4	216.3

		222.65			Quartrough
	250'	W of Fernando			
SL			2,7	220.0	
bl			5,5		
y			5,7		
b			6,3	216.4	
y			6,7		
bl			7,3		
nL			7,0	215.7	
TP	10.75	233.18	0,22	222.43	
SL			10,6	233.8	
bl			1,0		
y			2,0		
b			4,0	229.2	
y			4,7		
bl			3,0		
nL			4,42	228.76 / 212.4	BM nE H Gabriel

POSTED

02/09	Clough / Dorman / Rodgers	Crossection of Ibsen St (70')			
		E S of Rosecrans to E S of Scott st			
		5.67	56.55	50.88	Bm Elec Pole at James
		E Sin of Rosecrans st			
NL			2,3	54.3	
bb			1,7		
y			1,7		
b			2,0	54.6	
y			1,5		
bb			1,6		
SL			1,2	55.4	
		5' E of Rosecrans			
SL			+9.1	65.7	
SL + 2			0,0	56.6	
bb			0.8		
y			1,0		
b			1,7	54.9	
y			2,8		
bb			1,7		
NL			1,7	54.9	

Posted

		56.55			Ibsen
		25' E of Rosecrans st			
NL			4.3	52.3	
bb			4,0		
y			3,0		
b			2,0	54.6	
y			1,6		
bb			1,7		
+6			1,0	55.6	
SL			+7,3	63.9	
		33' E of Rosecrans st			
SL			+6.4	63.0	
SL +4'			3.6	53.4	
bb			5.4		
y			8,0		
b			9,7	56.9	
y			11,4		
bb			13,0		
NL			13,5	63.1	

		56.55		
	50'	E of Rosecrans st		
nL			18.0	38.6
bh			17.3	
y			15.4	
b			12.4	44.2
y			10.1	
bh			7.8	
+4'			4.2	52.4
SL			+4.7	61.25
	75'	E of Rosecrans st		
SL			+1.4	58.0
bh		48.08	9.8	0
TP	4.38	48.04	12.85	43.70
y			7.3	
b			8.5	39.6
y			8.4	
bh			10.3	
nL			10.3	37.8

		48.04 / 48.08		
	85'	E of Rosecrans		
nL			+6.0	54.0
bb			9.2	
	100'	E of Rosecrans st		
nL			+5.2	53.2
bb			10.7	
y			10.3	
b			11.0	37.1
y			9.7	
bh			3.2	
SL			+5.7	53.7
	125'	E of Rosecrans st		
SL			+3.0	51.0
bh			5.3	
y			11.1	
b			11.8	36.3
y			12.0	
bh			11.6	
+5'			11.2	
nL			+1.4	49.4

4804
4808

150' E of Rosecrans St

N 2	+0.2	48.3
bk	9.4	
4	13.2	
b	12.6	35.5
4	11.5	
bk	8.0	
S 2	+0.3	48.4

175' E of Rosecrans St

S 2	2.4	45.7
bk	9.0	
4	13.7	
b	14.0	34.1
4	14.2	
bk	10.2	
N 2	2.2	45.9

4804
4808

Olsen

59

200 E of Rosecrans St

N 2	3.7	44.4
bk	9.5	
4	14.2	
b	14.0	34.1
4	13.8	
+10	13.4	
bk	10.9	
S 2	4.7	43.4

~~225~~ E of Rosecrans St

S 2	6.9	41.2
bk	10.6	
+4	13.0	
4	13.5	
b	14.0	34.1
4	13.5	
+5	13.0	
bk	7.0	
N 2	5.2	42.5

		48.04 / 48.08		
	250' E of Rosecrans			
nl			7.7	40.4
bb			8,9	
y			11,6	
b			11,6	36.5
y			11.1	
bb			10,6	
sl			8,5	39.6
	275' E of Rosecrans			
sl			10,2	37.9
bb			10,4	
y			10,9	
b			11,6	36.5
y			11,2	
bb			10,0	
nl			10,4	37.7

		48.04 / 48.08		
	300' E = W L of Scott st			
nl			12,9	35.2
bb			12,0	
y			11,9	
b			11,2	36.9
y			10,9	
bb			10,8	
sl			10,7	37.4
TP	1,20	38.56 / 38.52	10,72	37.36 / 37.32
	W bb of Scott st			
sl			2,9	35.7
bb			1,8	
y			2,1	
b			2,4	36.2
y			2,7	
bb			3,5	
nl			4,0	34.6

38.52

W 1/4 of South st

N 2	5.4	33.2	
bk	5.4		
4	3.8		
2	3.8	34.2	
4	2.8		
bk	3.1		
S 2	4.2	34.4	

Center of South st

S 2	6.6	32.0	
bk	7.6		
4	4.0		
2	4.8	33.8	
4	5.3		
bk	6.3		
N 2	6.7	31.9	

38.52

E 1/4 of South st

N 2	7.9	30.7	
bk	7.2		
4	6.4		
2	5.7	32.9	
4	5.7		
bk	6.6		
S 2	7.8	30.8	

E bk of South st

S 2	8.5	30.1	
bk	7.8		
4	7.4		
2	7.5	31.1	
4	7.4		
bk	7.7		
N 2	8.7	29.9	

3852

E Line of Scott St

NL		9.9	28.7
bh		9.2	
y		8.3	
b		8.4	30.2
y		8.0	
bh		8.2	
SL		9.4	29.2

20' E elevations will come to old profile

Crossection of Ibsen St (70)

E Line of Tide St to E L Short St

5.78	6.01		0.23	Bm n w Tide & Ibsen

E Line of Tide St

SL		6.6	-0.6
bh		6.5	-0.5
y		6.7	-0.7
b		6.8	-0.8
y		7.0	-1.0
bh		7.0	-1.0
NL		7.0	-1.0

50' E of Tide St

NL		8.0	-2.0
bh		8.0	
y		8.0	
b		7.8	-1.8
y		7.5	
bh		7.5	
SL		7.3	-1.3

6.01

	100	E of	Tide	
S2			8,5	-2,5
bb			8,5	
4			8,5	
L			8,7	-2,7
4			8,9	
bb			8,9	
N2			8,8	-2,8
	150	E of	Tide	
N2			9,5	-3,5
bb			9,5	
4			9,4	
L			9,2	-3,2
4			9,2	
bb			9,1	
S2			9,0	-3,0

6.01

	200	E of	Tide	
S2			9,4	-3,4
bb			9,4	
4			9,5	
L			9,5	-3,5
4			9,6	
bb			9,7	
N2			9,6	-3,6
	250	E of	Tide	
N2			9,7	-3,7
bb			9,7	
4			9,6	
L			9,8	-3,8
4			9,7	
bb			9,7	
S2			9,6	-3,6

601

300' E = Wd Short st (70')

Sd			9,9	-3.9
bb			9,7	
"			9,7	
b			9,6	-3.6
"			9,6	
bh			9,5	
Nd			9,6	-3.6

Wbb of Short st

Nd			9,6	-3.6
bh			9,7	
"			9,6	
b			9,6	-3.6
"			9,7	
bh			9,7	
Sd			9,7	-3.7

601

Ibsen

63

W 1/4 of Short st

Sd			9,7	-3.7
bh			9,7	
"			9,8	
b			9,6	-3.6
"			9,7	
bh			9,6	
Nd			9,6	-3.6

Center of Short st

Nd			9,7	-3.7
bh			9,6	
"			9,6	
b			9,6	-3.6
"			9,6	
bh			9,7	
Sd			9,7	-3.7

E ¼ of Short st

S2	10,0	-4.0
bk	10,0	
4	9.7	
b	9.7	-3.7
4	9.7	
bk	10.1	
N2	10,1	-4.1

E bk of Short st

N2	10.3	-4.3
bk	10,3	
4	10.1	
b	10,2	-4.2
4	10,2	
bk	10,3	
S2	10,4	-4.4

E line of Short st

S2	10,2	-4.2
bk	10,3	
4	10,4	
b	10,6	-4.6
4	10,4	
bk	10,5	
N2	10,5	-4.5

— Tide Lands —

Posted

#460

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

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees
	DEGREES		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		