

*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.*

*Cooker
Printer*

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

MINUTES.	LKS.	MINUTES.	LKS.	454	LKS.
1.....	2 $\frac{1}{2}$	21.....	49	41.....	95 $\frac{1}{2}$
2.....	4 $\frac{1}{2}$	22.....	51 $\frac{1}{2}$	42.....	98
3.....	7	23.....	53 $\frac{1}{2}$	43.....	100 $\frac{1}{2}$
4.....	9 $\frac{1}{2}$	24.....	56	44.....	102 $\frac{1}{2}$
5.....	11 $\frac{1}{2}$	25.....	58 $\frac{1}{2}$	45.....	105
6.....	14	26.....	60 $\frac{1}{2}$	46.....	107 $\frac{1}{2}$
7.....	16 $\frac{1}{2}$	27.....	63	47.....	109 $\frac{1}{2}$
8.....	18 $\frac{1}{2}$	28.....	65 $\frac{1}{2}$	48.....	112
9.....	21	29.....	67 $\frac{1}{2}$	49.....	114 $\frac{1}{2}$
10.....	23 $\frac{1}{2}$	30.....	70	50.....	116 $\frac{1}{2}$
11.....	25 $\frac{1}{2}$	31.....	72 $\frac{1}{2}$	51.....	119
12.....	28	32.....	74 $\frac{1}{2}$	52.....	121 $\frac{1}{2}$
13.....	30 $\frac{1}{2}$	33.....	77	53.....	123 $\frac{1}{2}$
14.....	32 $\frac{1}{2}$	34.....	79 $\frac{1}{2}$	54.....	126
15.....	35	35.....	81 $\frac{1}{2}$	55.....	128 $\frac{1}{2}$
16.....	37 $\frac{1}{2}$	36.....	84	56.....	130 $\frac{1}{2}$
17.....	39 $\frac{1}{2}$	37.....	86 $\frac{1}{2}$	57.....	133
18.....	42	38.....	88 $\frac{1}{2}$	58.....	135 $\frac{1}{2}$
19.....	44 $\frac{1}{2}$	39.....	91	59.....	137 $\frac{1}{2}$
20.....	46 $\frac{1}{2}$	40.....	93 $\frac{1}{2}$	60.....	140

MICROFILMED

TABLE FOR RUNNING ON SLOPES.

DEC 10 1964

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
Loring's Book Store

MANUFACTURED BY

A.S. Crocker Co.

SAN FRANCISCO
and
SACRAMENTO

blongt) cross-section of San Fernando St (50)
wadi
blunchin continued from Book 457 (La Playa) ¹

38-09

-87.3

2.66 of Jenkins st

W2 07 87.0 ✓

bl 15 85.7

4 23 84.9

6 30 84.2

7 35 83.7

bl 41 83.1

el 47 ~~82.5~~
82.5

POSTED

2 1/4 Jenkins st

el 46 82.6 ✓

bl 40 83.2

7 37 83.5

6 28 80.4

7 27 80.8

bl 12 86.0

W2 00 87.2 ✓

18723

Center of Jenkins st

WL	0.0	87.2
ll	1.3	85.9
"	1.7	86.0
b	2.5	84.7
"	3.0	84.2
ll	3.9	80.3
EL	4.4	82.8

S 1/4 of Jenkins

EL	4.7	83.0
ll	3.4	83.8
"	2.7	84.5
b	2.4	86.8
"	1.9	85.3
ll	1.0	86.2
WL	+0.4	87.6

8723

Fernando

5668

Jenkins

WL	+0.4	87.6
ll	1.0	86.2
"	1.8	85.4
b	2.3	84.9
"	2.7	84.5
ll	3.3	83.9
EL	4.0	83.2

S 1/4 of

Jenkins

EL	4.1	83.2
ll	3.2	84.0
"	2.4	84.8
b	1.9	85.3
"	1.3	85.9
ll	0.8	86.4
WL	+0.5	87.7

87.23

	50	50 of Junk	
MR		70.7	87.6 ✓
bl		1.2	86.0
7		1.9	85.3
6		2.5	84.7
7		3.3	83.9
bl		4.2	83.0
CL		7.6	82.6 ✓
	56.55 - E		Government line
	68.05 - W		
82		4.1	83.1 ✓
bl		3.5	83.7
7		3.1	84.1
6		2.8	84.4
7		2.0	85.2
bl		1.4	85.8
WR		0.0	87.2 ✓

POSTED

Station	Section	Point	116.96	117.3	Kellogg
2	cross-section of Kellogg St 50	Full length (La Playa)	100	E of	San Gabriel
					130 104.0
		Whin of San Gabriel San Lorenzo?			128 104.2
52		25	114.5	4	125 104.5
66		17	115.9	6	124 104.6
4		11	115.9	4	129 104.1
6		05	116.5	66	134 103.6
4		00	117.0	66	139 103.1
66		+00	117.2	TP	102 105.01 1294 104.02
72		+04	117.4	150	89 San Gabriel
	50' E of	San Gabriel			87 96.3
72		77	109.3	66	90 96.0
66		70	110.0	4	89 96.1
4		63	110.7	6	92 95.8
6		58	111.2	4	96 95.4
4		57	111.3	66	100 95.0
66		68	110.2	52	101 94.9
52		72	109.8	TP	050 9284 1270 92.4

9284

	200	E of	San Gabriel
SL			35 89.3'
H			35 89.3
Y			32 89.6
b			30 89.8
Y			24 90.4
H			17 91.1
SL			12 91.6'

250

	E of	San Gabriel
SL		47 88.1'
H		52 87.6
Y		57 87.1
b		67 86.1
Y		70 85.8
H		72 85.6
SL		70 85.8'

9284

Kellogg 5

	300	E = W of	San Fernando (50)
SL			944 83.40 ⁴¹ Bm
H			93 83.5
Y			92 83.6
b			92 83.6
Y			91 83.7
H			88 84.0
SL			82 84.6'

E of San Fernando

SL			123 80.5
H			126 80.2
Y			129 79.9
b			129 79.9
Y			127 80.1
H			127 80.1
SL			127 80.1
TP	030	80.39	127.5 80.09

8039

	30	E of	San Fernando	
SL			30	77.4
bl			30	77.2
γ			30	77.2
δ			30	77.4
γ			30	77.4
bl			30	77.4
nl			30	77.4

100 E of San Fernando

nl			58	74.6
bl			60	74.4
γ			60	74.4
δ			66	73.8
γ			65	73.9
bl			66	73.8
SL			64	74.0

8039 Kellogg

6

	150	E of	San Fernando	
SL			97	70.7
bl			97	70.7
γ			96	70.8
δ			96	70.8
γ			94	71.0
bl			94	71.0
nl			94	71.0

	200	E of	San Fernando	
nl			124	68.0
bl			124	68.0
γ			124	68.0
δ			126	67.8
γ			127	67.7
bl			126	67.8
SL			126	67.8
TP	165	<u>69.2</u>	129	<u>67.47</u>

6912

	250	E of	San Fernando	
SL			45	64.6
SL			46	64.5
7			47	64.4
6			48	64.3
7			49	64.2
SL			48	64.3
SL			47	64.4
	300'	E = W. line of	San Eljero	(50')
SL			82	60.9
SL			79	61.2
7			77	61.4
6			80	61.1
7			76	61.5
SL			76	61.5
SL			77	61.4

6912

Kellogg

SL			111	58.0
SL			113	57.8
7			113	57.8
6			114	57.7
7			113	57.8
SL			112	57.9
SL			113	57.8
TP	021	58.72	1162	58.50
	50	E of	San Eljero	
SL			37	55.0
SL			42	54.5
7			45	54.2
6			46	54.1
7			44	54.3
SL			40	54.7
SL			40	54.7

B77

5872

	100	E. of	San Elijo	
SL			76	51.1
Hh			76	51.1
Y			78	50.9
L			79	50.8
Y			79	50.8
Hh			80	50.7
ML			75	51.2

130 E. of San Elijo

ML			117	47.0
Hh			119	46.8
Y			117	47.0
L			116	47.1
Y			113	47.4
Hh			109	48.1
SL			104	48.3
TP	089	<u>4686</u>	12.75	<u>45.97</u>

4686

	200	E. of	San Elijo	
SL			24	44.5
Hh			28	44.1
Y			35	43.4
L			36	43.3
Y			38	43.1
Hh			37	43.2
ML			40	42.9

250 E. of San Elijo

ML			67	40.2
Hh			70	39.9
Y			65	40.4
L			66	40.3
Y			65	40.7
Hh			57	41.2
SL			53	41.6

14686

300 E-W L. Jan of Dumais 1150

SL	89	38.0
ll	89	38.0
γ	90	37.9
δ	90	37.9
γ	95	37.4
ll	95	37.4
SL	101	36.76

186 3696

3510

Bm

E Lins of Dumais 21

SL	25	34.5
ll	30	34.0
γ	30	34.0
δ	32	33.8
γ	40	33.0
ll	44	32.8
SL	35	33.5

3696

50 E of Dumais 21

SL	68	30.2
ll	68	30.2
γ	70	30.0
δ	69	30.1
γ	64	30.6
ll	67	31.1
SL	53	31.7

100 E of Dumais

SL	82	28.8
ll	88	28.2
γ	92	27.8
δ	95	27.5
γ	100	27.0
ll	87	27.3
SL	94	27.8

Kellogg

9

3699

150' E of Durmeis

HL	123	123	24.7
GL		124	24.6
Y		120	24.0
L		127	24.3
Y		120	25.0
HL		121	24.9
SL		117	25.6
TP	009	<u>2428</u>	<u>1277</u> <u>2419</u>
	200'	E of Durmeis	
SL		21	22.2
GL		22	22.1
Y		27	21.6
L		32	21.1
Y		29	21.4
HL		29	21.4
HL		26	21.7
			21.4

2428

250' E of Durmeis

Kellogg 10

SL		62	18.1
GL		64	17.9
Y		67	17.6
L		66	17.7
Y		61	18.2
HL		58	18.5
SL		50	19.3
	300' E = W line of San Antonio (100')		
SL		95	14.8
GL		99	14.4
Y		95	14.8
L		97	14.6
Y		97	14.6
HL		98	14.5
HL		100	14.3
TP	183	<u>1233</u>	<u>980</u> <u>1450</u>

FOSTER

moment

1633

E line of San Antonio

72	77	8.6
74	74	8.9
7	75	8.8
6	67	9.6
7	68	9.5
74	69	9.4
52	61	10.2

50' E of Antonio

52	87	7.6
66	92	7.1
7	94	6.9
6	98	6.5
7	103	6.0
74	105	5.8
72	105	5.8

5.8

1633

75' E of Antonio

72	128	3.5
74	130	3.3
7	118	4.5
6	113	5.0
7	113	5.0
74	110	5.3
52	107	5.6

90' E

52	180	-1.7
74	180	-1.7
7	178	-1.5
6	178	-1.5
7	177	-1.4
74	175	-1.2
72	176	-1.3

-1.3

1633
11

Cross-section of Lawrence St (50)

Center length (La Playa)

180 12.83 11.03

E side of San Antonio

SL 99 2.9

HL 101 2.7

7 100 2.8

6 100 2.8

7 100 2.8

HL 99 2.9

SL 98 3.0

50' E of San Antonio St

SL 122 -0.4

HL

7

6 14.6 -1.8

7

HL

nL 15.6 -2.8

Bm 210
Lawrence St
San Antonio

SL on 100 E of San Antonio 18.6 -5.8

nL Beach 18.8 -6.0

W side of San Antonio St (100')

SL 19 10.9

HL 14 11.4

7 12 11.6

6 07 12.1

7 12 11.6

HL 14 11.4

nL TP 1225 2035 180 11.03

50' W of San Antonio

nL 83 14.9

HL 84 15.0

7 84 15.0

6 90 14.4

7 90 14.4

HL 84 15.0

SL 86 14.8

POSTED

Buildings

Buildings

1283

Lawrence

2335

100' w of San Antonio

SA	36	19.8
U	35	19.9
Y	43	19.1
b	48	18.6
7	62	17.2
H	43	19.1
nd	41	19.3

150' w of San Antonio

nd	08	22.6
H	12	22.2
Y	12	22.2
b	11	22.3
Y	08	22.6
H	04	23.0
SA	07	22.7

TP 1213- 3550 1.0 2335

3550

200' w of San Antonio

SA	82	27.3
H	85	27.0
Y	83	27.2
b	89	26.6
7	94	26.1
H	97	25.8
nd	97	26.1

250' w of San Antonio

nd	59	29.6
H	59	29.6
Y	52	29.9
b	48	30.7
Y	46	30.9
H	48	30.7
SA	45	31.0

Lawrence 2

	300	<u>3550</u>	W =	E	Sum of San Dimas (50)
SL			-1	06	34.9
HL				10	34.5
Y				13	34.2
L				13	34.0
Y				15	34.0
HL				19	33.6
SL				17	33.8
TP	11.73	<u>46.14</u>		079	34.71
					W sum of Dimas
SL				87	37.2
HL				86	37.5
Y				85	37.6
L				82	37.9
Y				83	37.1
HL				82	37.9
SL				75	38.6

	50	<u>46.14</u>	W of	Dimas	Lawrence
SL				38	42.3
HL				40	41.9
Y				40	41.8
L				49	41.2
Y				48	41.3
HL				48	41.3
HL				49	41.2
TP	12.01	<u>57.27</u>		088	45.26
	100				W of
					San Dimas
HL				122	45.1
HL				122	45.1
Y				121	45.2
L				120	45.3
Y				115	45.8
HL				114	45.9
SL				109	46.4

	150	<u>57.27</u>	Desmitos	
SL			69	50.4
tl			78	49.5
7			77	49.6
6			84	48.9
7			84	48.9
tl			87	48.6
n2			85	48.8
	200		Desmitos	
n2			44	52.9
tl			45	52.8
7			43	53.0
6			45	52.8
7			41	53.2
tl			40	53.3
SL			36	53.7
TP	11.97	<u>67.88</u>	106	55.91

	250	<u>67.88</u>	San Desmitos		15
SL			107	57.2	
tl			110	56.9	
7			112	56.9	
6			118	56.1	
7			113	56.6	
tl			119	56.0	
n2			117	56.2	
	200		San Eliza (50)		
n2			87	59.2	
tl			88	59.1	
7			85	59.4	
6			84	59.5	
7			78	60.1	
tl			78	60.1	
SL			74	60.5	

POSTED

6788				7992				Lawrence
	W. Lin	f. Sur	Elyz		100	W f	Elyz	16
.52			48	63.1			90	70.9
th			44	63.5			88	71.1
y			43	63.6			87	71.2
b			47	63.2			87	71.2
?			46	63.3			88	71.1
u			47	63.2			86	71.3
912			50	62.9			82	71.7
	50	W f	Sur	Elyz		100	W f	Elyz
92			0.6	67.3			4.0	75.9
u			0.9	67.0			4.0	75.9
TP	1232	7992	0.88	67.60			4.3	75.6
y			125	67.4			4.4	75.5
b			126	67.3			4.9	75.0
y			126	67.3			5.0	74.9
th			127	67.2			5.4	74.5
52			127	67.2				

7992				
	200	W of	San Diego	
SL			13	78.6
U			110	78.8
Y			10	78.9
L			0.8	79.1
Y			0.9	79.0
U			0.6	79.3
SL			0.3	79.6
TP	1251	9153	0.90	79.02
250 W of Elgo				
SL			79	83.6
U			18.8	83.3
Y			87	82.8
L			90	82.5
Y			90	82.5
U			91	82.4
SL			91	82.4

91.50				
Source				
	300	W =	E. side of San Fernando	17
SL			39	87.6
U			38	87.7
Y			40	87.5
L			45	87.0
Y			45	87.0
U			44	87.1
SL			42	87.3
TP	1259	10314	0.78	90.75
W. side of San Fernando				
SL			12.8	90.6
U			12.4	90.4
Y			12.2	90.9
L			12.2	90.9
Y			12.0	91.1
U			11.7	91.4
SL			11.2	91.9

10514

	300	W J	Fernando	
SL			67	96.2
U			75	95.6
Y			76	95.5
L			80	95.1
Y			80	95.1
U			81	95.0
SL			83	94.8
	100	W J	Fernando	
SL			42	98.9
U			40	99.1
Y			38	99.3
L			36	99.5
Y			33	99.8
U			30	100.1
SL			22	100.8
TP	1277	<u>11536</u>	055	<u>102.69</u>

11536

	150	W J	Fernando	
SL			85	106.9
U			86	106.8
Y			81	107.3
L			81	107.3
Y			78	107.6
U			78	107.6
SL			76	107.8
TP	1289	<u>12815</u>	810	<u>115.26</u>
	200	W J	Fernando	
SL			110	117.2
U			106	117.6
Y			97	118.5
L			94	118.8
Y			85	119.7
U			86	119.6
SL			82	120.0
TP	1277	<u>14083</u>	009	<u>128.02</u>

Lawrence
18

POSTED

17083

250 W of San Cayo

22			67	134.1
66			85	132.3
7			81	132.7
6			76	133.2
4			85	132.3 ED
66			97	131.1
52			116	129.2

300 W = 9 km of San Gabriel

52			86	132.2
66			59	134.9
7			28	138.0
TP	1086	<u>149.29</u>	240	138.43
6			81	141.2
4			56	143.7
66			32	146.1
22			134	147.23

Bm 254
San Gabriel
Journal

Cross-section of the ball at 50 Bug to End (La Playa)						2860		the ball
	449	1552	1102	San Antonio		801	W of	San Antonio
	10.41	17.39	8.54	6.98	Bm SW the ball San Antonio			72 21.4
					W side of San Antonio St (see)			{ 75 } 21.1
								{ 10.8 } 17.8
SL			10.4	7.0				107 17.9
tl			11.0	6.4				{ 130 } 15.6
7			13.0	4.4				{ 75 } 21.1
6			15.0	2.4				84 20.2
7	POSTED		14.0	3.4				83 20.3
tl			13.4	4.0				
SL			13.2	4.2				100 W of San Antonio
	50.1	W of	San Antonio					71 21.5
SL			1.0	16.4				70 21.6
tl			1.3	16.1				66 22.0
7			0.8	16.6				66 POSTED
7			0.0	17.4				66 22.0
7			6.0	11.4				64 22.2
TP	11.2	2860	0.01	17.38				62 22.3
tl			{ 20.6 } 8.0					
SL			{ 10.0 } 18.6					
			9.9	18.7				

	150	<u>2860</u>	w of San Antonio	
N2			23	26.3
U			28	25.8
Y			31	25.5
L			31	25.5
Y			30	25.6
U			33	25.3
SL			30	25.6
TP	1119	<u>3969</u>	010	<u>2850</u>
	200		w of San Antonio	
SL			113	28.4
U			118	27.9
Y			112	28.5
L			111	28.6
Y			109	28.8
U			108	28.9
N2			102	29.5

	250	<u>3969</u>	w of San Antonio	
N2			69	32.8
U			75	32.2
Y			77	32.0
L			79	31.8
Y			80	31.7
U			85	31.2
SL			84	31.3
	300		w = E of San Antonio	
SL			53	34.4
U			52	34.2
Y			57	34.6
L			46	35.1
Y			45	35.2
U			42	35.5
N2			25	36.2
TP	1257	<u>5164</u>	062	29.07

51.64

W side of San Donatus at (50')

NL	126	39.0
bl	130	
7	132	
6	133	38.3
7	134	
bl	135	
SL	137	37.9

50' W of Donatus

SL	92	44.4
bl	90	
7	95	
6	93	44.3
7	91	
bl	91	
NL	87	42.7

51.64

100' W of Donatus

NL	57	45.9
bl	59	
7	60	
6	60	45.6
4	60	
bl	62	
SR	62	45.4

150' W of Donatus

SL	21	49.5
bl	21	
7	17	
6	14	50.2
7	13	
bl	12	
NL	07	50.9
TP	13.01	44.28
	0.37	51.27

McCall

22

64.28

	200'	N of	Diameter	
nl			94	54.9
bl			100	
y			100	
b			100	54.3
y			101	
bl			106	
sl			102	54.1
	250'	N of	Diameter	
sl			60	58.3
bl			58	
y			55	
b			54	58.9
y			53	
bl			52	
sl			49	59.4

64.28

The Ball **23**

	300'	N - E line of San Diego (30)		
nl			02	64.1
bl			03	
y			05	
b			12	63.1
y			11	
bl			10	
sl			13	63.0
TP	1298	1726	00	64.28
				W line of San Diego
sl			76	67.7
bl			93	
y			90	
b			87	68.6
y			86	
bl			84	
nl			81	69.2

		7726		
	50'	w f	Elyo	
NL			30	74.3
			31	
y			31	
b			37	73.6
y			37	
H			38	
SL			37	73.6
TP	1241	8867	100	
	100'	w f	Elyo	
SL			104	78.5
H			100	
y			98	
b			96	79.1
y			95	
H			94	
NL			90	79.7

		8867		
	150'	w f	Elyo	
NL			37	85.0
H			45	
y			50	
b			57	83.0
y			57	
H			60	
SL			63	82.4
	100'	w f	Elyo	
SL			17	87.0
H			15	
y			09	
b			04	88.3
TP	1171	9917	121	87.46
y			109	
H			105	
NL			98	89.4

Mc Gull

24

		<u>9917</u>		
	250'	W of	San Diego	
SL			40	95.2
LL			46	
Y			49	
b			54	93.8
Y			58	
LL			65	
SL			67	92.5
TP	1239	<u>11147</u>	009	92.08
	300' W - Edin of San Fernando			
SL			124	99.1
LL			131	
Y			180	
b			125	99.0
Y			140	
LL			112	
SL			109	100.6

		<u>11147</u>		<u>McCall</u>
	W	San	Fernando	25
SL			60	105.5
LL			63	
Y			47	
b			37	108.1
Y			36	
LL			41	
SL			480	106.67
TP	1267	<u>12401</u>	013	111.54
	50'	W of	Fernando	
SL			104	113.6
LL			93	
Y			86	
b			81	115.0
Y			88	
LL			112	
SL			120	112.0

		<u>12401</u>		
	100	W of	Fernando	
92			29	121.1
ll			37	
y			47	
b			50	119.0
y			56	
ll			54	
SL			63	117.7
7P	1291	<u>13684</u>	008	<u>12393</u>
	150	W of	Fernando	
SL			125	124.3
ll			118	
y			116	
b			113	125.5
y			109	
ll			103	
72			95	127.3

		<u>13684</u>		
	200	W of	Fernando	
72			22	134.6
ll			26	
y			35	
b			41	132.7
y			46	
ll			56	
SL			64	130.4
	200	W of	Fernando	
SL			86	138.2
ll			74	
y			40	
b			21	134.7
y			10	
ll			02	
72			705	137.3

McCall

26

POSTED

13684

	250'	W of	Ferrando	
NL			410	1378
bl			20	
y			30	
bl			36	133.2
y			45	
bl			43	
SL			34	133.4
TPO	962	<u>14646</u>	60	<u>13684</u>

275' W of Ferrando

SL			80	139.5
bl			71	
y			61	
b			56	140.9
y			57	
bl			75	
NL			85	137.0

14646

McCall 27
Dm 28

	300'	W of	Edin. of San Gabriel	
NL			068	145.78
bl			00	
y			02	
b			14	145.1
y			30	
bl			40	
SL			55	146.0

POSTED

Length
March
Shunkam
3-16-09

Cross-section of Nichols St 50

Entire Length (La Playa)

1290 1988 698

1171 2983 126 1862

W Side of San Antonio St (Nov)

SL 112 18.6

SL 113

4 115

6 115 18.3

9 118

11 120

12 122 17.6

50' W of San Antonio

12 80 21.8

11 83

7 82

6 81 21.7

7 80

11 77

SL 79 21.9

Bmsw
McCall
San Antonio
Bmsw
Nichols
San Antonio

SL

11

4

6

4

11

12

12

11

7

7P

6

7

11

SL

100'

2983

W of

San Antonio

37 26.1

35

35

38 26.0

36

36

36 26.2

150' W

12

37 29.1

37

33

1232

2943

340 29.43

123 29.5

120

121

117 30.1

Nichols

5410

50' W of San Quentin

SL		38	50.3
th		34	
y		32	
b		32	50.9
y		28	
th		27	
nr		26	51.5

TP 1235 6620 025 5385

100' W of San Quentin

nr		97	56.5
th		100	
y		101	
b		101	56.1
y		102	
th		106	
SL		108	55.4

6620

150' W of Quentin

SL		57	60.5
th		53	
y		50	
b		47	61.5
y		46	
th		45	
nr		41	62.1

FP 200 W of Quentin

nr		403	66.5
th		00	
y		00	
b		00	66.2
y		00	
th		09	
SL		11	65.1
TP	1233	7839	014 66.06

Nichols 30

		<u>78.39</u>		
250	W of	Diameter		
SL		91	69.3	
H		89		
Y		85		
L		80	70.4	
Y		78		
H		76		
NL		72	71.2	
	300' W = Ed of	Elyo st (50)		
NL		31	75.3	
H		36		
Y		40		
L		43	74.1	
Y		46		
H		50		
SL		56	72.8	
TP	12.94	<u>92.33</u>	100	77.39

		<u>90.33</u>		
	W of	Elyo st		
SL		129	77.4	
H		123		
Y		120		
L		114	78.7	
Y		113		
H		109		
NL		108	79.5	
	50' W of	Elyo		
NL		63	84.0	
H		70		
Y		73		
L		74	82.7	
Y		80		
H		81		
SL		91	81.2	

90.50

	100'	w. of	Elyo	
SL			66	83.7
ll			62	
γ			57	
b			50	85.3
γ			45	
ll			34	
TL			34	86.9
	150'	w. of		
TL			04	89.9
ll			06	
γ			15	
b			20	88.3
γ			25	
ll			33	
SL			39	86.4
TP	1242	<u>102.63</u>	012	90.1

102.63

Metsls

32

	175'	w. of	Elyo	
SL			138	88.8
ll			137	
γ			131	
b			128	89.8
γ			123	
ll			117	
TL			109	91.7
	200'	w. of		
TL			38	96.8
ll			46	
γ			40	
b			38	98.8
γ			35	
ll			40	
SL			45	98.1
TP	1278	<u>115.35</u>	006	102.57

11535

225' w of 9lyu

SL		74	108.0
ll		62	
γ		56	
h		57	109.7
γ		50	
ll		48	
nl		52	110.2
TP	1263	<u>1274</u>	057 <u>11478</u>

250' w of 9lyu

nl		96	117.8
ll		93	
γ		97	
h		103	117.1
γ		105	
ll		105	
SL		127	114.7

12741

300' w = E line of Laramie

SL		52	124.1
ll		50	
γ		41	
h		24	124.8
γ		22	
ll		03	
nl		708	127.7
TP	1220	<u>13907</u>	054 <u>12682</u>

w line of Laramie

SL		120	126.9
ll		123	
γ		125	
h		124	126.7
γ		123	
ll		122	
nl		120	127.1

Nichols

33

POSTED

Bm

13907

50' N of Fernando

NL	112	128.1
U	117	
Y	123	
L	130	126.1
7	133	
U	141	
SL	143	128.8

758' N of Fernando

SL	125	126.6
U	121	
7	112	
L	101	129.0
7	82	
U	57	
NL	29	136.2

13907

100' N of Fernando

NL	08	138.9
U	50	
7	67	
L	86	130.5
7	90	
U	96	
SL	100	129.1

725' N of Fernando

SL	74	131.7
U	70	
7	60	
L	53	133.8
7	44	
U	33	
NL	14	137.7

	150'	WT	Fernando	
SL			7.98	139.9
th			2.0	
y			3.9	
h			4.4	134.7
y			5.0	
th			4.8	
SL			4.5	134.6
TP	1060	14930	0.37	13870
	200	WT	Fernando	
SL			9.3	140.0
th			9.4	
y			7.4	
h			6.0	143.3
y			2.0	
TP	1182	16104	0.08	14922
th			9.3	
SL			3.2	157.8
TP	1282	17358	0.28	16026

	250'	WT	Fernando	
SL			4.5	169.1
th			4.0	
y			3.8	
h			2.8	170.8
y			2.8	
th			3.8	
SL			4.5	169.1
TP	1276	18621	0.13	17345
	300	WT	Edmundo Gabriel	
SL			6.7	179.5
th			5.9	
y			5.2	
h			4.4	191.8
y			3.6	
th			3.1	
SL			1.63	1845.8

POSTED

Bm SEP
Gabriel

Blunt
nails
Rhynchon
3/16/09

Section of Owens st (30)
Center length (to Plaza)
642 25.24 1862
1265 32.27 442 20.62

W side of San Antonio

nl 117 126 20.7

ll 143

7 122

6 143 21.0

7 124

ll 124

SL 132 20.1

50' W of San Antonio

SL 71 26.2

ll 69

7 70

6 72 26.1

7 73

ll 74

22 75 25.8

13m SW
nails

92

16m SW
nails
San Antonio

ll

7

6

7

66

SL

TP

150' W of San Antonio

SL

ll

7

ll

7

ll

nl

33.7

100' W of San Antonio

27 30.6

27

27

30 30.3

27

26

26 30.7

1207 45.24 0.0 33.27

150' W of San Antonio

114 33.9

115

115

113 34.0

112

111

109 34.4

Owens st

36

45.34

200	w of	San Antonio	
92		70	38.3
H		67	
7		67	
H		64	38.9
7		70	
H		71	
52		67	38.6

250	w of	San Antonio	
52		67	38.6
H		64	
7		51	
6		26	42.7
7		22	
H		17	
92		17	43.9
T10	11.94	57.22	906 45.28

57.22

Quercus 87

300	w = 2	line of San Antonio (50)	
92		77	49.5
H		82	
7		84	
6		112	46.0
7		132	
H		161	
52		133	43.9

		w line of San Antonio	
52		80	49.2
H		109	
7		96	
6		72	50.0
7		56	
H		47	
92		70	53.2
		375	53.41

5775
2.5' w of 1st Domicile

nl		21	53.0
ll		61	
y		76	
l		89	48.2
7		68	
ll		58	
sl		52	51.9

50' w of Domicile

sl		30	54.1
ll		31	
y		33	
l		44	54.7
y		52	
ll		48	
nl		34	53.7

TP 1286 7001 00 5-7.15

7001
100' w of Domicile

nl		150	55.0
ll		130	
y		124	
l		115	58.5
7		113	
ll		85	
sl		84	61.6

150' w of Domicile

sl		35	66.5
ll		35	
y		37	
l		32	66.8
y		54	
ll		70	
nl		86	61.4

Domicile
38

		<u>70.01</u>		
	200	w of	Quincy	
nd			21	67.9
bl			0.8	
TP	12.90	<u>82.91</u>	0.0	<u>70.01</u>
4			1.7	
6			12.2	70.7
4			12.0	
ll			11.0	
SL			9.4	73.7

	225'	w of	Quincy	
SL			0.7	82.2
bl			2.5	
4			4.1	
6			6.9	76.0
4			8.9	
ll			9.7	
nd			10.2	72.7

		<u>82.91</u>		
	250'	w of	Quincy	
nd			7.2	75.7
bl			6.2	
4			3.5	
4			1.0	81.9
TP	12.52	<u>85.43</u>	0.0	<u>82.91</u>
4			11.1	
ll			8.8	6
SL			7.3	88.1

	275'	w of	Quincy	
SL			1.0	94.4
bl			2.5	
4			4.8	
6			8.0	87.4
4			10.6	
ll			13.1	
nd			16.8	79.6

Quincy

39

	150'	WF	Clyde	
SL			43	110.4
SL			57	
4			65	
6			67	108.0
4			73	
SL			73	
SL			76	107.1
	200'	WF	Clyde	
SL			30	111.7
SL			30	
4			31	
6			29	111.8
4			26	
SL			21	
SL			15	113.2
TP	1288	1222	0.36	114.34

	250'	WF	Clyde	
SL			84	118.8
SL			87	
4			92	
6			94	117.8
4			96	
SL			104	
SL			106	116.6
TP	1106	13824	0.0	1222
	300'	W = Edinb	Farmhands (50)	
SL			133	1250
SL			130	
4			127	
6			119	126.4
4			113	
SL			110	
SL			104	127.9
TP	1225	15053	0.0	13824

Owens

41

150.53

W. line of San Fernando

SL		121	138.4
ll		9.6	
γ		84	
6		68	143.7
γ		52	
ll		42	
RR		3.9	146.6
TP	1270	162.98	025 152.28
	25'	W of Fernando	
RL		6.3	151.7
ll		7.8	
γ		8.6	
6		10.8	152.2
γ		12.6	
ll		14.0	
SL		16.4	146.6

162.98

Owens

42

50' W of Fernando st

SL		115	151.5
ll		82	
γ		58	
6		1.8	161.2
	75'	W of	Fernando
SL		82	154.8
ll		42	
γ		0.0	
TP	1149	172.97	150 161.48

50' W of Fernando

RL		67	166.3 POSTED
ll		77	
γ		90	
	75'	W of	Fernando
RL		18	171.2
ll		22	
γ		30	
		42	168.8

172.97

	100'	W of	Fernando	
32			23	170.7
6			38	
7			48	
6			62	166.8
7			60	
6			80	
52			134	153.6

172.97

	115'	W of	Fernando	
32			19.4	163.6
6			12.4	
7			9.0	
6			7.6	165.4
7			5.0	
6			3.8	
92			1.7	171.3

172.97

Ames

43

	150'	W of	Fernando	
52			16.0	157.0
6			7.0	
7			4.0	
6			1.1	171.9
TP	1194	<u>153.25</u>	16.3	171.34
7			9.0	
6			6.5	
92			4.0	179.3

172.97

	200'	W of	Fernando	
92			5.7	177.6
6			8.4	
7			10.2	
6			16.0	167.3
7			13.4	
6			11.5	
52			5.7	177.6

POSTED

		18328		
	215'	W 8	Fernando	
n2			50	178.3
th			68	
th			11.0	
6			14.0	169.3
4			11.8	
	225'	W 7	Fernando	
n2			10.6	172.7
th			11.6	
4			11.6	
6			9.4	173.9
4			1.5	
TP	1164	19359	1.33	181.95
th			7.0	
SL			7.5	186.1

		19359		Owens
	250'	W 7	Fernando	44
n2			47	188.9
th			47	
4			55	
6			39	187.7
4			74	
th			73	
n2			87	184.9
	260'	W		
n2			37	190.4
th			38	
	300'	W = E line of San Gabriel		
n2			17	191.9 POSTED
th			29	
4			38.1	
6			46	189.0
4			50	
th			63	
SL			79.4	185.65 B m SE.

along
road
between
3-19-09
cross-section of Perry St (50)
entire length (to Plaza)

13.00 24.18 11.18

W line of San Antonio

SA	130	11.2
th	132	
y	131	
b	137	10.8
y	134	
th	136	
nz	142	10.0

50' W of San Antonio

nz	60	18.2
th	50	
y	60	
b	50	19.2
y	57	
th	56	
SA	55	18.7

TP 1182 3520 040 2528

SW of Perry
San Antonio

52	84	27.2
th	85	
y	98	
b	101	25.5
y	105	
th	110	
nz	113	24.3

150' W of San Antonio

nz	37	32.2
th	32	
y	30	
b	25	33.1
y	25	
th	28	
SA	30	32.6

TP 1208 4768 00 3560

3560

Perry St
45

47.68

	200	207	San Antonio	
SL			61	41.6
H			60	
Y			60	
b			60	41.7
Y			58	
H			53	
SL			53	42.4
TP	1226	5994	00	47.68

47.68

	250	207	San Antonio	
SL			69	53.0
H			78	
Y			87	
b			98	50.1
Y			97	
H			93	
SL			87	51.2
TP	1270	7235	029	59.68

72.35

Party 46

	300	207	San Antonio	
SL			114	61.0
H			108	
Y			115	
b			127	59.7
Y			118	
H			107	
SL			97	62.7
TP	1223	8413	0388	71.90

Bm SW San Antonio

72.35

	300	207	San Antonio	
SL			123	71.8
H			123	
Y			127	
b			130	71.1
Y			122	
H			122	
SL			110	73.1

8413

	25'	w of San Dimas		
SR			75	76.6
	50'	w of San Dimas		
NR			+03	84.4
b			+05	84.6
SR			0,0	84.1
TP	1293	97.06	00	84.3
TP	1270	119.51	0.25	96.81
	100'	w of San Dimas		
SR			129	96.6
b			125	97.3
NR			116	97.9
TP	1281	122.25	007	109.44
	150'	w of San Dimas		
NR			116	110.6
b			124	109.8
SR			130	109.2

12225

Page 47

	200'	w of San Dimas		
SR			23	119.9
b			04	121.8
TP	1248	135.13	0.0	122.25
NR			11.7	123.4
	250'	w of San Dimas		
NR			70.2	133.3
b			27	132.7
SR			50	130.1
TP	675	141.59	0.29	139.54
	285'	w of San Dimas		
NR			0.00	141.6
	300'	w = E. line of Elys		
NR			10	140.6
b			30	138.6
SR			560	136.0

14159

W. of Eliza

nr		59	135.7	
TP	10.4	<u>139.5</u>	<u>1278</u>	<u>12891</u>
b		13.5	125.8	
SR		23.5	115.6	
25' w of San Eliza				
SR		19.0	119.5	
b		11.0	128.1	
nr		3.0	136.1	
50' w of San Eliza				
nr		7.0	140.0	
b		3.0	136.1	
SR		11.5	127.9	
75' w of Eliza				
nr		12	138.9	
b		12.7	126.7	
TP	0.65	<u>127.5</u>	<u>1214</u>	<u>12691</u>
SR		11.00	116.6	

12756

Perry

48

100' w of San Eliza

nr		0.0	127.6	
b		10.0	117.6	
125' w of Eliza				
nr		9.8	117.8	
TP	0.96	<u>115.25</u>	<u>1257</u>	<u>11499</u>
100' w of Eliza				
SR		6.3	109.6	
125' w of Eliza				
SR		12.1	103.4	
b		8.3	107.7	
150' w of Eliza				
SR		12.0	103.9	
b		10.0	105.9	
nr		4.5	111.4	
175' w of Eliza				
nr		6.0	109.9	
b		5.0	110.9	
SR		1.0	114.9	

		<u>115.95</u>		
TP	1274	<u>12818</u>	005	115.90
	200'	w f	clyo	
SL			00	122.2
b			40	124.2
NR			9.7	118.5
TP	1277	<u>14095</u>	00	128.8
TP	1175	<u>15269</u>	001	140.94
TP	1225	<u>16494</u>	00	152.69
	230'	w f	clyo	
SR			15.0	142.9
	250'	w f	clyo	
SL			7.0	157.9
f			4.8	160.1
NR			14.8	150.1
TP	1248	<u>17708</u>	014	164.80
	275'	w f	clyo	
SL			10.4	166.9
b			8.4	168.9
NR			6.8	170.5

		<u>179.28</u>		
	300'	w f = Eding	Fernando (30)	49
SL			60	171.3
b			14	175.9
NR			0.1	177.2
TP	899	<u>186.27</u>	00	179.8
				ndm of Fernando
NR			148	184.75
b			50	181.3
SL			12.8	173.5
	50'	w f	Fernando	
SL			12.0	174.3
b			8.8	177.5
NR			5.3	181.0
	60'	w f	Fernando	
NR			5.0	181.3
b			8.2	178.0
SL			14.8	171.5

		18627		
	85'	W7	Fernando	
SL			131	173.2
b			57	180.6
TR			710	182.3
		100'	W7	Fernando
SL			133	173.0
b			61	180.2
TR			708	187.1
POSTED	150'	W7	Fernando	
SL			57	181.0
TR	1274	19824	017	186.0
b			133	184.9
TR			57	192.5
TR	1290	21114	00	198.4
		200'	W7	Fernando
TR			127	198.4
b			101	201.0
SL			122	198.9

		2114		
	250'	W7	Fernando	
SL			68	204.3
b			24	208.7
TR			05	210.6
		275'	W7	Fernando
TR				213.8
		300'	E27	Subst
SL			101	201.0
b			60	205.1
TR	1142	21157	599	205.5
TR			701	209.5
		275'	W7	Fernando
TR			28	213.8

Penz
50

13m n 2
Subst

Cross-section of Quatrangul 24 (50)

Entire Length La Plaza

127 1245 11.18

13m SW
Pony of
San Antonio

W side of San Antonio

SL 155 - 3.0

ll 152

v 152

b 155 - 3.0

7 152

ll 150

nl 151 - 2.7

15' W of San Antonio

nl 80 4.4

b 80 4.4

SL 70 5.4

TP 1268 2573 60 1245

25' W of San Antonio

SL 113 13.8

b 133 11.8

nl 130 12.1

50' W of San Antonio

nl 58 19.3

b 10 19.1

SL 54 19.7

70' W of San Antonio

SL 23 22.8

b 38 21.3

nl 30 22.1

TP 1255 3747 021 2457

100' W of San Antonio

nl 62 31.3

b 62 31.3

SL 64 31.1

TP 1242 4989 02 3747

150' W of San Antonio

SL 76 42.3

b 80 41.9

nl 77 42.8

TP 1272 6261 00 4989

		62.61		
	200'	W 7	San Antonio	
SL			94	53.2
b			96	53.0
SL			97	52.9
	250'	W		
SL			21	60.5
b			04	62.2
SL			+04	63.0
TP	1245	7453	053	62.08
	300'	W = E line of San Dimas	25/50	
SL			09	73.6
b			26	71.9
SL			45	70.0
TP	1266	8719	00	7453
TP	1295	10014	00	8719
		W line of San Dimas		
SL			130	87.1
b			114	85.7
SL			85	91.6

Quantity

TP	1282	11298	00	10014
	50'	W 7	San Dimas	
SL			117	101.3
b			84	104.6
SL			73	105.7
TP	1283	12575	00	11298
	100'	W 7	San Dimas	
SL			78	113.0
b			102	115.6
SL			108	115.0
TP	1269	13845	003	12576
	150'	W 7	San Dimas	
SL			11.0	127.5
b			96	129.9
SL			78	130.7
TP	1266	15111	00	13845

		157.11	
	200'	W of San German	
SL		96	141.5
b		107	140.4
SL		126	138.5
	250'	W of San German	
SL		17	149.4
b		02	150.9
SL		+04	157.5
TP	1293	<u>16381</u>	023 <u>15388</u>
	300'	W = E line of San Elroy	
SL		35	160.3
b		46	159.2
SL		56	158.2
		mid of San Elroy	
SL		<u>1638</u>	
SL		26	161.2 ✓
b		16	162.2
b		00	162.8
		07	163.1
TP	1241	<u>17622</u>	<u>16381</u>
4		125	163.7
SL		120	160.2
SL		112	165.0

		17622	
	50'	W of Elroy	
SL		<u>1762</u>	
		57	170.5
SL		57	171.2
4		57	170.5
b		15	169.7
4		75	168.2
SL		72	168.6
SL		80	168.2
TP	1229	<u>18839</u>	012 <u>17610</u>
	100'	W of Elroy	
SL		<u>1884</u>	
		10.5	176.9
SL		112	177.2
4		107	177.2
b		103	178.1
4		92	178.5
SL		96	178.8
SL		92	179.2

Quarantone
53

18839

	150	W 7	Cliff	
			1884	
22			58	187.6
ll			12	187.2
7			20	186.4
1			23	186.1
4			30	185.4
ll			32	185.4
52			35	184.9

T.P. 1225 200.64 00 18839

	200	W 7	Cliff	
			200.6	
52			80	1926
ll			73	1933
7			67	1939
1			62	1944
4			59	1947
ll			57	1949
22			53	1953

TP 694. 207.37 00 20064

20737

Quadrant

	250	W 7	Cliff	
			207	
22			57	201.7
ll			61	201.2
7			64	201.2
6			67	200.7
7			74	200.0
ll			79	199.5
52			84	199.0

300 W = E line San Fernando (60)

52			84	201.0
ll			48	201.6
7			39	203.8
6			30	204.4
7			21	205.3
ll			18	205.6
22			19	205.5

20737

Wkins of Fernando

72			850	198.57	Bm
H			84		
Y			78		
L			70	200.4	
Y			74		
H			87		
SL			103	197.1	
TP	180	<u>196.89</u>	1228	<u>195.09</u>	
	25'	w of Fernando			
SL			86	188.3	
H			82		
Y			84		
L			80	188.9	
Y			83		
H			80		
H			80	188.9	
TP	0.36	<u>184.68</u>	1257	<u>184.31</u>	

18468

50' w of Fernando

72			53	179.2	
H			63		
Y			66		
L			72	177.5	
Y			76		
H			65		
SL			79	176.8	
	75'	w of Fernando			
SL			168	167.9	
H			163		
Y			159		
L			138	170.9	
Y			130		
H			117		
SL			106	174.1	
	85'	w of Fernando			
SL			168	167.9	

18468

54

	100'	WT	Ferranide	
22			95	175.2
u			102	
7			111	
l			113	173.4
4			105	
u			100	
SA			96	175.1

	125'	WT	Ferranide	
SA			22	182.5
u			36	
7			60	
6			72	177.5
7			70	
u			67	
22			62	178.5
7P	1254	197.06	016	184.52

	150'	WT	Ferranide	
22			110	186.1
u			110	
7			113	
6			109	186.2
4			90	
u			59	
SA			39	194.2

	175'	WT	Ferranide	
22			41	193.0
u			51	
7			50	
l			26	194.5
7P	1293	209.99	00	197.06
7			130	197.0
u			90	
SA			63	203.7

Incentive
55

	200'	209.99	n of Fernando	
SL			10	209.0
ll			2.0	
y			2.5	
b			4.6	205.4
y			6.9	
ll			7.0	
nr			7.9	202.1
TP	1285	222.65	0.18	209.80
	225'		n of Fernando	
nr			12.7	210.0
ll			12.6	
y			12.3	
b			11.1	211.6
y			10.2	
ll			8.1	
SL			6.4	216.3

	250'	222.65	n of Fernando	
SL			27	220.0
ll			5.5	
y			5.7	
b			13	216.4
y		POSTED	67	
ll			73	
nr			70	215.7
TP	1075	233.18	0.22	222.43
SL			70.6	233.8
ll			1.0	
y			2.0	
b			4.0	219.2
y			4.7	
ll			3.0	
nr			4.4	219.76

Bm n.c.H.
Bahril

02
09
Dolan
Dennis
Rodgers

Cross-section of Ibsen St (70)

E of Rosecrans to E of Scott St

13m Elev. at Jams

5.67 52.55 50.88

E lin of Rosecrans St

72		23	54.3
6h		17	
4		17	
6		20	54.6
4		15	
6h		16	
52		12	54.4

Posted

5' E of Rosecrans

52		+9.1	65.7
52 + 2		0.0	56.6
6h		0.8	
4		1.0	
6		1.7	50.9
4		2.8	
6h		1.7	
72		1.7	54.9

52.55

Ibsen 57

25' E of Rosecrans St

72		43	52.3
6h		40	
4		30	
6		20	54.6
4		16	
6h		17	
+6		10	55.6
52		+7.3	63.9

33' E of Rosecrans St

52		+6.4	63.0
52 + 4'		3.4	53.4
6h		5.4	
4		8.0	
6		9.7	56.9
4		11.4	
6h		13.0	
72		13.5	63.1

5655

50' E of Rosecans st

SL		18.0	38.6
hh		17.3	
y		15.4	
b		12.4	44.2
y		10.1	
hh		7.8	
⁺⁴ SL		4.7	52.4
SL		+4.7	61.25

75' E of Rosecans st

SL		+1.4	58.0
hh		9.8	0
TP	7.08	48.08 48.04	12.85 43.70
y		7.2	
b		8.5	39.6
y		8.4	
hh		10.3	
SL		10.3	37.8

1804

48.08

Jensen 58

85' E of Rosecans

SL		+6.0	54.0
hh		9.2	
	100'	E of Rosecans st	
SL		+5.2	53.2
hh		10.7	
y		10.3	
b		11.0	37.1
y		9.7	
hh		3.2	
SL		+5.7	53.7

125' E of Rosecans st

SL		+3.0	51.0
hh		5.3	
y		11.1	
b		11.8	36.3
y		12.0	
hh		11.6	
⁺⁵ SL		11.2	
SL		+1.4	49.4

4804
48105

150' E of Russian camp

nl	+0.2	48.3
ll	94	
γ	132	
δ	126	35.5
γ	115	
ll	80	
sl	+0.3	48.4

175' E of Russian camp

sl	24	45.7
ll	9.0	
γ	137	
δ	140	31.1
γ	142	
ll	102	
nl	22	45.9

4804
48105

200' E of Russian camp

nl	37	44.4
ll	95	
γ	142	
δ	140	34.1
γ	138	
ll	132	
ll	107	
sl	47	43.4

225' E of Russian camp

sl	69	41.2
ll	10.6	
γ	13.0	
γ	135	
δ	140	34.1
γ	135	
ll	13.0	
ll	2.0	
nl	5.2	42.5

Hansen
59

250' E of Rosecans

SL	7.7	40.4
bl	8.9	
y	11.6	
b	11.6	36.5
y	11.1	
bl	10.6	
SL	8.5	39.6

275' E of Rosecans

SL	10.2	37.9
bl	10.4	
y	10.9	
b	11.6	36.5
y	11.2	
bl	10.0	
SL	10.4	37.7

300' E = W of South

SL	12.9	35.2
bl	12.0	
y	11.9	
b	11.2	36.9
y	10.9	
bl	10.8	
SL	10.7	37.4
TP	12.0	38.52
		37.32

W of South

SL	2.9	35.7
bl	1.8	
y	2.1	
b	2.4	36.2
y	2.7	
bl	3.5	
SL	4.0	34.6

3852

W 1/4 of South st

N2	54	33.2
bl	54	
y	39	
l	38	34.2
y	28	
bl	31	
S2	42	34.4

center of South st

S2	66	32.0
bl	76	
y	40	
l	48	33.8
y	53	
bl	63	
N2	67	31.9

38.52

E 1/4 of South st

N2	79	30.7
bl	72	
y	64	
l	57	32.9
y	57	
bl	62	
S2	78	30.8

E 1/4 of South st

S2	85	30.1
bl	74	
y	74	
l	75	31.1
y	74	
bl	77	
N2	87	29.9

Sheet
61

3852

E line of Scott st

n2	99	28.7
hh	94	
y	83	
6	84	30.2
y	80	
hh	82	
SL	94	29.2

20' E elevation will come to
old profile

Cross-section of Steen St (70)

E line of Tide st to E of Short st

5.78	6.01	0.23	Bm on Tide + Steen
E line of Tide st			
SL	66	-0.6	
hh	65	-0.5	
y	67	-0.7	
6	68	-0.8	
y	70	-1.0	
hh	70	-1.0	
SL	70	-1.0	
50' E of Tide st			
n2	80	-2.0	
hh	80		
y	80		
6	78	-1.8	
y	75		
hh	75		
SL	73	-1.3	

	100'	E of	Tide	st
SA			85	-3.5
bl			85	.
y			85	
l			87	-3.7
y			89	
bl			89	
nl			88	-3.8

	150'	E of	Tide	st
nl			95	-3.5
bl			95	
y			94	
l			94	-3.2
y			94	
bl			91	
SA			90	-3.0

	200'	E of	Tide	st
SA			94	-3.4
bl			94	
y			95	
l			95	-3.5
y			96	
bl			97	
nl			96	-3.6

	250'	E of	Tide	st
nl			97	-3.7
bl			97	
y			96	
l			98	-3.8
y			97	
bl			97	
SA			96	-3.6

Observed
62

601

300 E - Wd Short st (70')

SL	99	-3.9
bl	97	
y	97	
b	96	-3.6
y	96	
bl	95	
Wd	96	-3.6

Wbl of Short st

Wd	96	-3.6
bl	97	
y	96	
b	96	-3.6
y	97	
bl	97	
SL	97	-3.7

601

W 1/4 of Short st

SL	97	-3.7
bl	97	
y	98	
b	96	-3.6
y	97	
bl	96	
Wd	96	-3.6

Center of Short st

Wd	97	-3.7
bl	96	
y	96	
b	96	-3.6
y	96	
bl	97	
SL	97	-3.7

Observed

63

601

E 1/4 of Shant 11

SL	100	-4.0
bl	100	
y	97	
b	97	-3.7
y	97	
bl	101	
SL	101	-4.1

E bl of Shant 11

SL	103	-4.3
bl	103	
y	101	
b	102	-4.2
y	102	
bl	103	
SL	102	-4.4

601

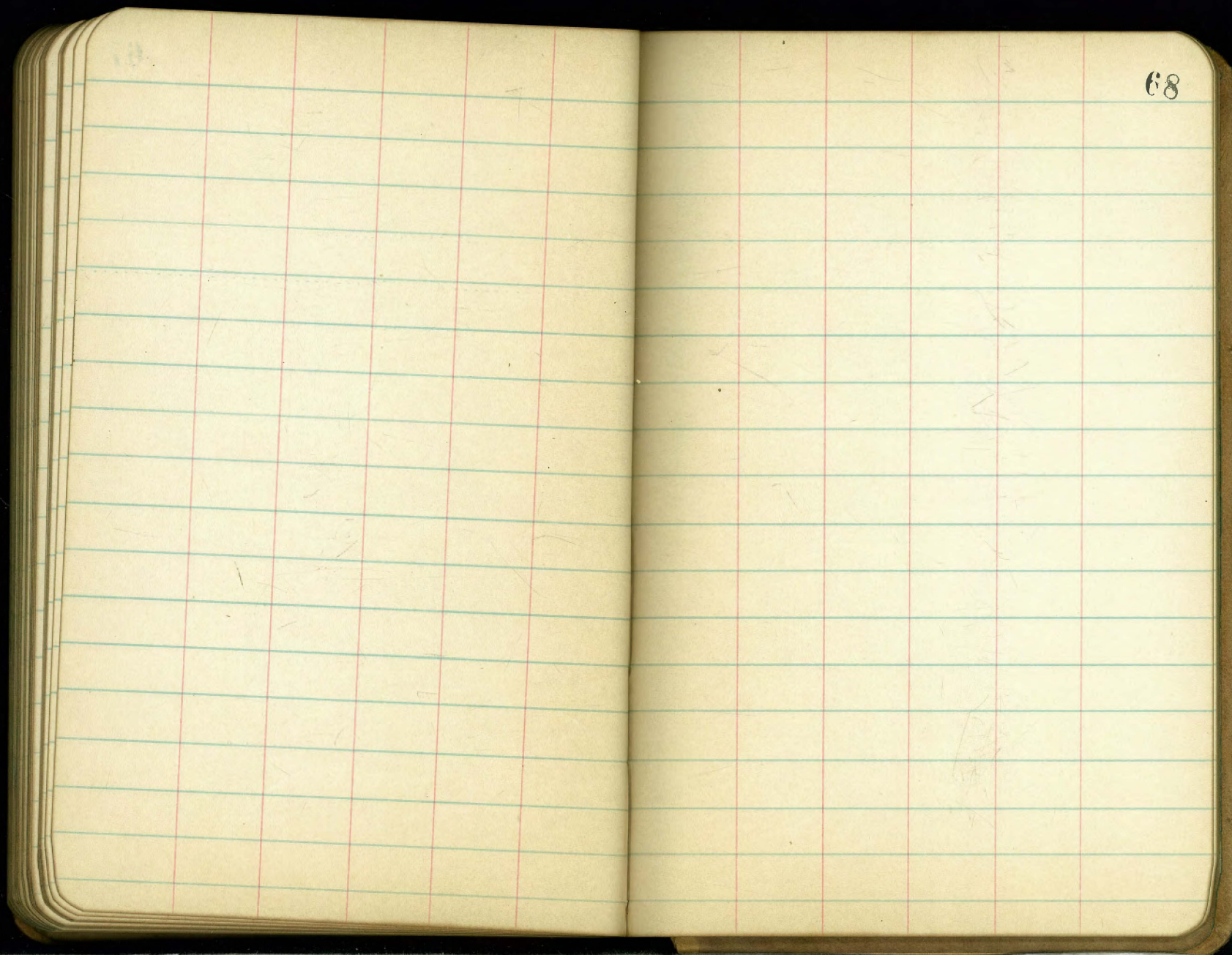
E line of Shant 11

SL	102	-4.2
bl	103	
y	104	
b	106	-4.6
y	104	
bl	105	
SL	105	-4.5

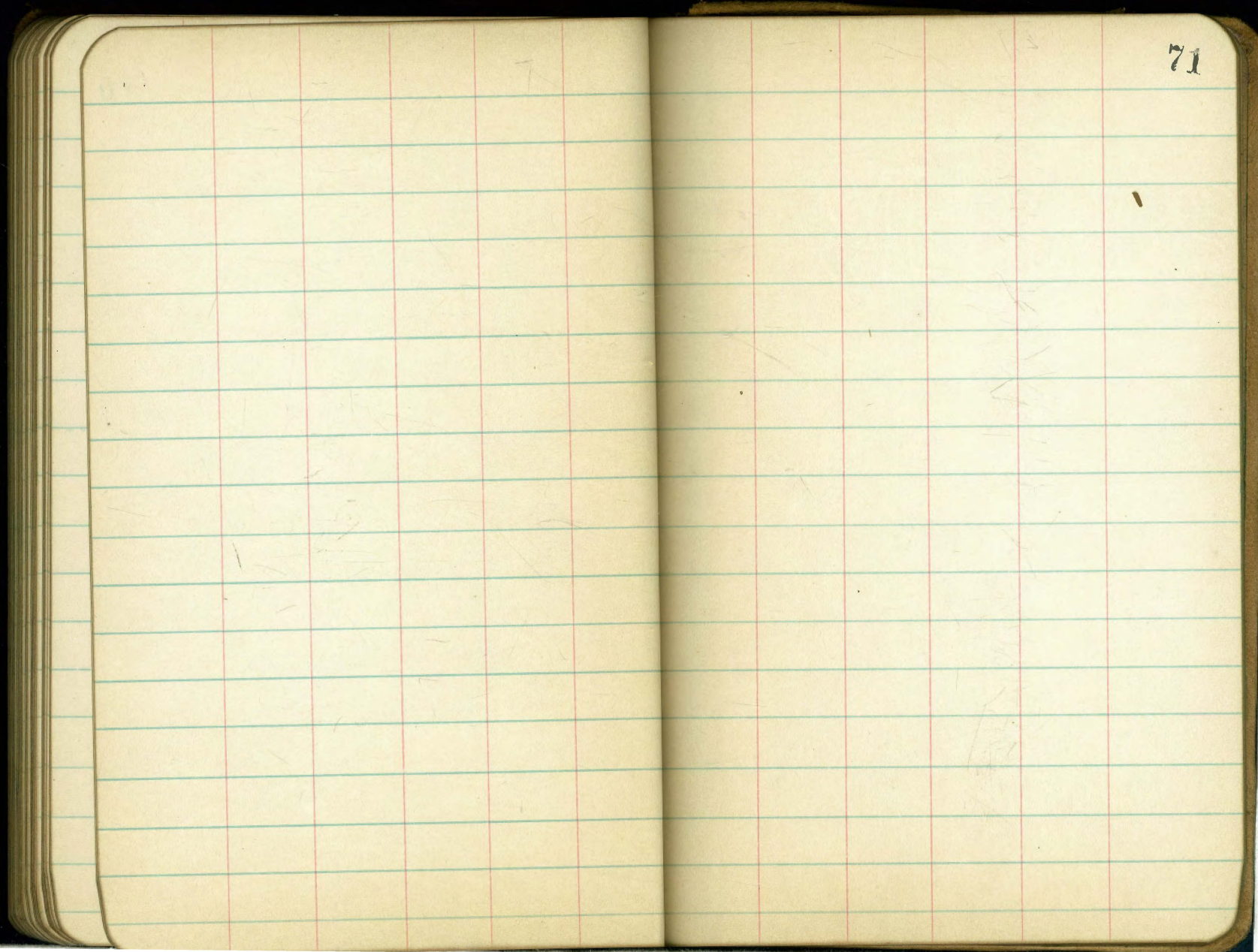
-Tide Sands-

Pasted

Shant
65



68



71

#400

28
09
32
20
82
87
21

#400

Tide + Lytton 1.75 - Drake

James Russens 5-5-01

Antoni

Russens

Ely's

Zerranck

Bozzoni

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TRAVERSE TABLE FOR TRANSIT BOOK.
From 1° to 90° for a distance of 100.

Degrees	DEGREES.		½ DEGREE.		¼ DEGREE.		¼ 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							

Handwritten notes and numbers in the right margin, including '50', '12', '48', '32', '38', '29', '20', '78', '77', '76', '75', '74', '73', '72', '71', '70', '69', '68', '67', '66', '65', '64', '63', '62', '61', '60', '59', '58', '57', '56', '55', '54', '53', '52', '51', '50', '49', '48', '47', '46', '45'.