333

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

LEVEL BOOK

400

F.B. 333

H. S. CROCKER COMPANY

DRAWING MATERIALS AND SURVEYING INSTRUMENTS

SAN FRANCISCO

333

TABLES FOR EXCAVATIONS AND EMBANKMENTS

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING

Roadway 18 Feet Wide. Side Slopes 1 to 1.
For Single Track Excavation.

"Copyright, 1895, by Kueffel & Esser Co."

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	0
1	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	1
2	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	2
3	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	3
4	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	4
5	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	5
6	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	6
7	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	7
8	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	8
9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	9
10	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	10
11	20.0	20.1	[illegible]	[illegible]	[illegible]	20.5	[illegible]	[illegible]	20.8	20.9	11
12	21.0	21.1	[illegible]	[illegible]	[illegible]	21.5	[illegible]	[illegible]	21.8	21.9	12
13	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	13
14	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	14
15	24.0	24.1	24.2	[illegible]	24.4	[illegible]	[illegible]	24.7	24.8	24.9	15
16	25.0	25.1	25.2	[illegible]	25.4	[illegible]	[illegible]	25.7	25.8	25.9	16
17	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	17
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	18
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	19
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	20
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	21
22	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	22
23	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	23
24	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	24
25	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	25
26	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	26
27	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	27
28	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	28
29	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	29
30	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	30
31	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	31
32	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	32
33	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	33
34	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	34
35	44.0	44.1	44.2	44.3	44.4	44.5	41.6	44.7	44.8	44.9	35
36	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	36

MICROFILMED
1964

Calculated by Julien A. Hall, M. Am. Soc. C. E.

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City Hall, San Diego, Cal.

LORING & CO., AGENTS.
762 FIFTH STREET,
SAN DIEGO, CALIFORNIA

Clough
Taylor
Drawing

Crossection of Voltair st (60') Mar 6 08

From Soto st (50') to E.L. Western Add

Continued from Book 326

9189

	100'	E of	Soto	st
SL			7,0	84.9
bb			7,3	84.6
y			7,4	84.5
b			7,4	84.5
y			7,2	84.7
bb			7,4	84.5
NL			7,4	84.5
	150'	E of	Soto	st
NL			6,3	85.6
bb			6,5	85.4
y			6,3	85.6
b			6,0	85.9
y			6,0	85.9
bb			6,0	85.9
SL			6,0	85.9

POSTED

91.89

200' R = W L of Bolinas St (58) (?)

SL	4,4	87.5
bb	4,6	87.3
y	4,9	87.0
b	5,2	86.7
y	5,4	86.5
bl	5,6	86.3
NL	5,0	86.6

W bb of Bolinas

NL	5,0	86.9
bb	5,3	86.6
y	5,3	86.6
b	5,3	86.6
y	4,7	87.2
bl	4,5	86.4
SL	4,0	87.9

91.89 Voltair

W ¼ of Bolinas St

SL	4,0	87.9
bb	4,4	87.5
y	4,8	87.1
b	5,0	86.9
y	5,0	86.9
bl	5,2	86.7
NL	5,0	86.9

Center of Bolinas

NL	5,0	86.9
bb	5,0	86.9
y	4,8	87.1
b	4,8	87.1
y	4,8	87.1
bl	4,5	87.4
SL	4,0	87.9

9189

E ¼ of Bolinas

S2	4.0	87.9
bb	4.6	87.3
7	4.6	87.3
6	4.7	87.2
7	4.7	87.2
bb	4.8	87.1
N2	5.0	86.9

E bb of Bolinas

N2	4.8	87.1
bb	4.8	87.1
7	4.6	87.3
6	4.8	87.1
7	4.6	87.3
bb	4.6	87.3
S2	4.7	87.7

9189 Wolbar

W N2 of Bolinas

S2	4.6	87.3
bb	4.5	87.4
7	4.6	87.3
6	4.8	87.1
7	4.7	87.2
bb	4.6	87.3
N2	4.8	87.1

50' E of Bolinas

N2	5.0	86.9
bb	4.8	87.1
7	4.8	87.1
6	5.0	86.9
7	5.2	86.7
bb	5.0	86.9
S2	4.6	87.3

91.89

100' E of Bolinas

S2		4.8	87.1
bt		5.4	86.5
y		5.7	86.2
b		5.5	86.4
y		5.6	86.3
bt		5.6	86.3
n2		5.7	86.2

150' E of Bolinas

n2		6.4	85.5
bt		6.2	85.7
y		6.1	85.8
b		6.4	85.5
y		6.6	85.3
bt		6.7	85.6
S2		5.8	86.1

91.89 Voltan

200' E of Bolinas

S2		7.0	84.9
bt		7.5	84.4
y		7.7	84.2
b		7.8	84.1
y		7.4	84.5
bt		7.4	84.1
n2		7.0	84.9
TP	279	87.46	7.22	84.67

250 E of Bolinas

n2		3.5	84.0
bt		3.8	83.7
y		4.1	83.4
b		4.1	83.4
y		4.1	83.4
bt		3.9	83.6
S2		3.5	85.0

		8746		
	300'	E of	Bolinas	
SL			4,4	83.1 ✓
bb			4,8	82.7
"			5,0	82.5
b			5,2	82.3
"			5,2	82.3
bb			5,5	82.0
NL			5,7	81.8 ✓
	350'	E of	Bolinas	
NL			6,4	81.1 ✓
bb			6,5	81.0
"			6,6	80.9
b			6,7	80.8
"			6,4	81.1
bb			6,2	81.3
SL			5,2	82.3 ✓

		8746		Voltaire
	403' E = W Line of Mendocina on N			
SL			8,5	79.0 ✓
bb			8,6	78.9
"			8,6	78.9
b			8,7	78.8
"			8,5	79.0
bb			8,5	79.0
NL =	NW bu Mendocina		9,0	78.5 ✓
	W L of Mendocina (84') Slant			
NL			9,0	78.5 ✓
bb			8,8	78.7
"			9,1	78.4
b			9,4	78.1
"			9,9	77.6
bb			10,3	77.3
SL =	SW bu Mendocina 461' E of Bolinas on South		10,9	76.6 ✓
TP	See Page 59 Book 326		8,83	78.63 ✓ Bm at Mendocina
	0.32	78.95		78.63

POSTED

		78.95		
	E line of Mendocena (140' wide)			
NL			3,7	75.3
bb			4,7	84.3
y			5,9	73.1
b			6,4	72.6
y			7,5	71.5
bb			7,2	71.8
SL	= SE bar 126' E of NE bar		7,5	71.5
	50'	E of	Mendocena	
NL			5,4	73.6
	100'	E of	Mendocena	
NL			7,2	71.8
	126'	E	Mendocena =	Square across from SE bar
NL			8,3	70.7
bb			8,4	70.6
y			8,3	70.7
b			8,4	70.6
y			8,1	70.9
bb			7,9	71.1
SL			7,5	71.5

		78.95		Voltau
	150'	E of	NE Mendocena	
SL			9,0	70.0
bb			9,0	70.0
y			9,0	70.0
b			9,0	70.0
y			9,0	70.0
bb			9,2	69.8
NL			9,0	70.0
	200'	E of	Men	
NL			10,5	68.5
bb			10,5	68.5
y			10,4	68.6
b			10,6	68.4
y			10,6	68.4
bb			10,6	68.4
SL			9,8	69.2
TP	2,15	69.90	11,20	67,75

POSTED

6990

250' E of Mendocena

S2	2.4	67.5
bb	2.8	67.1
4	2.9	67.0
b	3.0	66.9
4	3.0	66.9
bb	3.0	66.9
N2	2.8	67.1

300' E of Mendocena

N2	4.7	65.2
bb	5.0	64.9
4	4.8	65.1
b	4.6	65.3
4	4.6	65.3
bb	4.4	65.5
S2	4.4	65.7

6990 Vallair

350' E of Mendocena

S2	6.3	63.6
bb	6.5	63.4
4	6.4	63.5
b	6.6	63.3
4	6.6	63.3
bb	6.8	63.1
N2	6.6	63.3

400' E of Mendocena

N2	8.4	61.5
bb	8.4	61.5
4	8.1	61.8
b	8.0	61.9
4	8.0	61.9
bb	7.8	62.1
S2	7.8	62.1

		69.90		
	425'	E of	Mendocino	
SL			8,7	61.2
bb			9,0	60.9
y			9,0	60.9
b			8,7	61.2
y			9,3	60.6
bb			9,8	60.1
NL			9,8	60.1
	450	E of	Mendocino	
NL			12,4	57.5
bb			12,7	57.2
y			12,6	57.3
+5'			8,8	61.1
b			8,8	61.1
+5'			8,8	61.1
y			10,6	59.3
bb			10,4	59.5
SL			10,2	59.7
TP	4.25	65.02	9,13	60,77

		65.02		Voltair
	475'	E = Catalina Blvd on N		(70')
SL			7,2	57.8
			7,6	57.4
			7,9	57.1
b			4,0	61.0
y			4,0	61.0
bb			11,0	54.0
NL			11,0	54.0
475' N 507' S		W.L. of Catalina Blvd		(68' wide) on Diagonal
NL			11,0	54.0
bb			11,1	53.9
y			4,2	60.8
b			4,0	61.0
y			9,5	55.5
bb			9,2	55.8
SL			8,5	56.5

POSTED

65.02 Voltaire

Center of Catalina

Sl	7,6	57.4
bb	7,9	57.1
y	9,0	56.0
b	4,0	61.0
y	4,0	61.0
bb	10,2	64.8
nl	11,3	53.7

E ¼ of Catalina

nl	11,5	53.5
bb	9,8	55.2
y	4,0	61.0
b	4,0	61.0
y	9,0	56.0
bb	7,4	57.6
Sl	7,0	58.0

65.02

W bb of Catalina

Sl	8,2	56.8
bb	9,0	56.0
y	9,2	55.8
b	4,0	61.0
y	4,2	60.8
bb	10,7	54.3
nl	12,0	53.0

Bowditch

W ¼ of Catalina

nl	11,2	53.8
bb	10,5	54.5
y	4,2	60.8
b	4,2	60.8
y	9,2	55.8
bb	8,7	56.3
Sl	8,0	57.0

		65.02		
	E ~~bb~~ of Catalina			
SL			6,5	58.5
bb			6,5	58.5
y			7,0	58.0
b			4,0	61.0
y			4,0	61.0
bb			9,8	55.2
NL			10,4	54.6
	E L of Catalina			(70 Vollain is wide from E L)
NL			10,4	54.6
bb			8,6	56.4
y			4,0	61.0
b			4,0	61.0
y			6,0	59.0
bb			6,0	59.0
SL			5.6	59.4

		65.02		Vollain
	25'	E of Catalina		
SL			4,2	60.8
bb			4,2	60.8
y			4,0	61.0
b			4,0	61.0
y			4,0	61.0
bb			4,4	60.6
NL			6,0	59.0
	50'	E of Catalina		
NL			5,0	60.0
bb			4,2	60.8
y			4,2	60.8
b			3,7	61.3
y			3,6	61.4
bb			3,9	61.1
SL			4,0	61.0

POSTED

		65.02		
	100	E of	Catalina	
SL			2,7	62.3
bb			2,5	62.5
y			2,5	62.5
b			2,7	62.3
y			2,8	62.2
bb			3,1	61.9
RL			3,0	62.0
	150'	E of	Catalina	
RL			2,2	62.8
bb			2,8	62.2
y			2,6	62.4
b			2,2	62.8
y			2,1	62.9
bb			2,0	63.0
SL			1,5	63.5
TP	7,61	71,19	144	6358

		71.19		Valtan
	200'	E of	Catalina	
SL			6,6	64.6 ~~74.6~~ (?)
bb			7,5	63.7
y			7,7	63.5
b			7,9	63.3
y			7,9	63.3
bb			8,2	~~73.0~~ 62.4 (?)
RL			8.8	~~72.4~~
	250'	E of	Catalina	
RL			5,8	65.4
bb			6,0	65.2
y			6,2	65.0
b			6,4	64.8
y			6,2	65.0
bb			6,0	65.2
SL			6,0	65.2

71.19

	300' E of Catalina		
SL		4,0	67.2
bb		4,1	67.1
y		4,0	62.2
b		4,0	67.2
y		4,0	67.2
bb		3,9	67.3
NL		3,6	67.6
	350 E of Catalina		
NL		2,3	68.9
bb		2,7	68.5
y		2,4	68.8
b		2,4	68.8
y		2,4	68.8
bb		2,5	68.7
SL		2,5	68.7

71.19 Voltair

	400' E of Catalina			
SL			1,5	69.7
bb			1,4	69.8
y			1,4	69.8
b			1,4	69.8
y			1,4	69.8
bb			1,2	70.0
NL			1,4	69.8
TP	6,28	76.69	0.78	70.41
	450' E of Catalina			
NL			6,4	70.3
bb			6,2	70.5
y			6,2	70.5
b			6,2	70.5
y			6,0	70.7
bb			6,2	70.5
SL			5,8	70.9

POSTED

76.69

497' E = W ℄ of San Clemente (60)

S2	5.0	71.7
bb	5.5	71.2
4	5.2	71.1
b	5.5	71.2
4	5.7	71.0
bb	5.8	70.9
N2	5.8	70.9

W bb of San Clemente

N2	6.0	70.7
bb	5.8	70.9
4	5.4	70.3
b	5.4	70.3
4	5.5	71.2
bb	5.0	71.4
S2	4.7	72.0

76.69 Vottair

W ¼ of San Clemente

S2	4.8	71.9
bb	5.4	71.3
4	5.4	71.3
b	5.5	71.2
4	5.5	71.2
bb	5.7	71.0
N2	6.0	70.7

Center of San Clemente

N2	5.9	70.8
bb	5.6	70.1
4	5.4	70.3
b	5.5	70.2
4	5.3	70.4
bb	5.3	70.4
S2	4.5	72.2 ~~71.2~~

76.69 Voltan

E line of San Clemente

S2	4,6	72.1 ✓
bb	5,1	71.6
y	5,2	71.5
b	5,2	71.5
y	5,2	71.5
bb	5,2	71.5
n2	5,7	71.0 ✓

50' E of San Clemente

n2	7,5	69.2 ✓
y	5,5	71.2
bb	5,4	71.3
y	5,3	71.4
b	5,3	71.4
y	5,2	71.5
bb	5,1	71.6
S2	5,0	71.7 ✓

POSTED

76.69

E 1/4 of San Clemente

S2	4,8	71.9 ✓
bb	5,2	71.5
y	5,2	71.5
b	5,4	71.3
y	5,4	71.3
bb	5,4	71.3
n2	5,9	70.8 ✓

E bb of San Clemente

n2	5,8	70.9 ✓
bb	5,5	71.2
y	5,4	71.3
b	5,4	71.3
y	5,4	71.3
bb	5,2	71.5
		72.0 ✓
S2	4,7	62.0 (?)

		76.69			
	85' E of San Clemente				
SL			5,5	71.2	
bh			5,5	71.2	
4			5,3	71.4	
b			5,4	71.3	
4			5,4	71.3	
bh			5,5	71.2	
NL			11,4	65.3	
	10' E = Pueblo Line SL of Soma Alta				
NL			14,6	62.1	
bh			13,0	63.7	
4			11,0	65.7	
b			9,3	67.4	
4			5,4	71.3	
bh			5,7	71.0	
SL			6,2	70.5	
TP	4,08		0,29		
	0,16	77.64	3,0	77.48	Bm

		77.64		Voltair	
	25' E of Pueblo Line				
SL			6,4	71.2	
bh			6,2	71.4	
4			12,0	65.3	
	50' E of Pueblo Line				
SL			6,2	71.4	
bh			12,7	64.9	
TP	1,34	67.07	11,91	65.73	
	25' E of Pueblo Line				
NL			13,5	53.6	
bh			11,0	56.1	
4			9,3	57.8	
b			6,0	61.1	
	50' E of Pueblo Line				
S 1/4			4,8	62.3	
b			9,0	58.1	
	75' E of Pueblo				
SL			5,3	61.8	
bh			9,0	58.1	
4			12,2	54.9	

		6707		
TP	170	56.65	12.12	54.95
	50' E of Pueblo			
nl			8.6	48.1
bl			6.8	49.9
y			4.2	52.5
	75' E of Pueblo			
nl			13.4	43.3
bl			12.0	44.7
y			8.0	48.7
b			5.0	51.7
	100' E of Pueblo			
nl			15.0	41.7
bl			13.8	42.9
y			12.9	43.8
b			10.7	46.3
y			8.0	48.7
bl			4.7	52.0
sl			2.3	54.2

		5665		Voltan
	125' E of Pueblo Line			
sl			6.3	50.4
bl			8.0	48.7
y			10.0	46.7
b			12.6	44.1
y			13.7	43.0
bl			13.6	43.1
nl			12.4	44.3
	150' E of Pueblo Line			
nl			8.0	48.7
bl			9.5	47.2
y			11.4	45.3
b			12.0	44.7
y			12.6	44.1
bl			11.4	45.3
			8.7	48.0

		56.65			
	175'	E of Pueblo			
SL			11.2	45.5	
bh			11.6	45.1	
y			10.0	46.7	
b			8.9	47.8	
y			7.3	49.4	
bl			5.1	51.6	
NL			4.2	52.5	
	200'	E of Pueblo			
SL			9.8	46.9	
bl			8.0	48.7	
y			6.7	50.0	
b			4.7	52.0	
y			3.0	53.7	
bh			0.6	56.1	
TP	9.78	64.50	16.3	55.02	of bh
NL			6.0	58.5	

		64.50		Voltaire	
	225'	E of Pueblo			
NL			1.8	62.7	
bh			1.4	63.1	
y			2.3	62.2	
b			4.0	60.5	
y			6.0	58.5	
bl			8.4	56.1	
SL			12.0	52.5	
	250'	E of Pueblo			
SL			9.0	55.5	
bh			6.0	58.5	
y			3.8	60.7	
b			1.8	62.7	
TP	9.14	72.23	1.41	63.09	
y			6.6	65.6	
bh			4.5	67.7	
NL			4.3	67.9	

7223

275' E of Pueblo

n2	3,8	68.4
bb	3,5	68.7
y	5,2	67.0
b	7,7	64.5
y	9,6	62.6
bb	10,5	61.7
S2	12,8	59.4

300' E = W2 of Wells st (50')

S2	10,5	61.7
bb	8,0	64.2
y	6,6	65.6
b	5,2	66.6
y	3,3	68.9
bb	2,8	69.4
n2	3,0	69.2

7223 Vattan

N bb of Wells st

n2	2,8	69.4
bb	2,5	69.7
y	2,7	69.5
b	4,4	67.8
y	6,4	65.8
bb	8,0	64.2
S2	9,6	62.6

W ½ of Wells st

S2	9,3	62.9
bb	7,6	64.6
y	6,2	66.0
b	4,8	67.4
y	2,8	69.4
bb	2,5	69.7
n2	2,7	69.5

7223

Center of Wells st

NL	2,4	69.8
bb	2,2	70.0
y	2,6	69.6
b	4,8	67.4
y	6,0	66.2
bb	7,2	65.0
SL	8,8	63.4

E ¼ of Wells st

64.0

SL	7,6	66.6
bb	6,5	65.7
y	5,4	66.8
b	3,8	68.4
y	2,2	70.0
bb	2,0	70.2
NL	2,0	70.2

7223 Volton

E bb of Wells st

NL	1,7	70.5
bb	1,7	70.5
y	1,6	71.6
b	2,5	69.7
y	4,4	67.8
bb	6,0	66.2
SL	7,1	65.1

E Line of Wells st

SL			6,7	65.5
bb			5,4	66.8
y			3,6	68.6
b			1,6	70.6
TP	6.60	77.10	1,3	70.50
y			6,2	70.9
bb			6,3	70.8
NL			6,4	70.7
				60.7

POSTED

		77.10		
	25'	E of Wells st		
NL			5,3	71.8
bb			5,0	72.1
y			5,0	72.1
b			4,9	72.2
y			6,0	71.1
bh			8,0	69.1
SL			9,4	67.7
	50'	E of Wells st		
SL			9,0	68.1
bb			8,0	69.1
y			6,3	70.8
b			4,8	72.3
y			4,5	72.6
bh			4,0	72.1
NL			3,2	73.9

		77.10		Voltair
	75'	E of	Wells st	
NL			9,0	77.1
bh			1,4	75.7
y			3,0	74.1
b			4,2	72.9
y			6,0	70.1
bh			6,0	71.1
SL			6,0	71.1
	100'	E of	Wells st	
SL			4,3	72.8
bh			3,4	73.7
y			1,8	75.3
TP	11,50	86.91	1.69	75.41
b			9,2	77.7
y			7,4	79.3
bh			7,2	79.7
NL			6,7	80.2

86.91

	125'	E of	Wells st	
nl			3,7	83.2
bb			4,0	82.9
y			4,4	82.5
b			5,3	81.6
y			7,0	79.9
bb			9,3	77.6
SL			10,4	76.5
	150'	E of	Wells st	
SL			5,3	81.6
bb			4,7	82.2
y			4,0	82.9
b			3,0	83.9
y			2,7	84.2
bb			2,0	84.9
nl			1,6	85.3

86.91 Walton

	175'	E of	Wells st	
SL			3,0	83.9
bb			2,0	84.6
y			1,7	85.2
b			1,1	85.8
TP	11.93	97.84	1,0	85.91
y			11,5	86.3
bb			11,2	86.6
nl			10,6	87.2
	200'	E of	Wells st	
nl			8,2	89.6
bb			8,5	89.3
y			8,8	89.0
b			9,1	88.7
y			9,9	87.9
bb			10,7	87.1
SL			12,0	85.8

		97.84		
	225'	E of	Wells st	
SL			9,5	88.3
bb			8,3	89.5
4			7,4	90.4
b			6,7	91.1
4			6,3	91.5
bb			5,5	92.3
NL			5,1	92.7
	250'	E of	Wells st	
NL			2,3	95.5
bb			3,2	94.6
4			3,5	94.3
b			3,7	94.1
4			4,6	93.2
bb			5,2	92.6
SL			5,6	92.2

		97.84		Voltair
	275'	E of	Wells st	
SL			2,6	95.6
bb			2,4	95.4
4			1,6	96.2
b			1,4	96.4
TP	10,48	106,92	1,40	96.44
4			9,9	97.0
bb			9,0	97.9
NL			8,2	98.7
	300'	E = W L of Werden st (50')		
NL			5,1	101.8
bb			6,1	100.8
4			6,5	100.4
b			6,0	100.9
4			6,8	100.1
bb			7,8	99.1
SL			8,0	98.9

POSTED

106.92

Wbb of Warden st

S2	7,2	99.7 ✓	
bb	7,0	99.9	
4	6,0	100.9	
b	5,7	101.2	
4	6,0	100.9	
bb	4,8	102.1	
n2	4,0	102.9 ✓	

W ¼ of Warden st

n2	3,3	103.6 ✓	
bb	4,0	102.9	
4	4,6	102.3	
b	5,2	101.7	
4	5,6	101.3	
bb	6,6	100.3	
S2	7,0	99.9 ✓	

106.92 Volton

Center of Warden st

S2	6,4	100.5 ✓	
bb	6,0	100.9	
4	5,3	101.6	
b	5,0	101.9	
4	4,6	102.3	
bb	3,0	103.6	
n2	2,6	104.3 ✓	

E ¼ of Warden st

n2	1,6	105.3 ✓	
bb	2,6	104.3	
4	3,6	103.3	
b	4,1	102.8	
4	4,5	102.4	
bb	5,0	101.9	
S2	5,8	101.1 ✓	

106.92

E bb of Warden st

SL		5,2	101.7
bb		4,8	102.1
4		4,6	102.3
6		3,9	103.0
4		2,8	104.1
bb		1,6	105.3
NL		1,0	105.9

E line of Warden st

NL		0,5	106.4
bb		1,3	105.6
4		2,5	104.4
6		3,3	103.6
4		4,0	102.9
bb		4,4	102.5
SL		4,9	102.0

106.92 Dalton

25' E of Warden st

SL		4,6	102.3
bb		3,4	103.5
4		3,0	103.9
6		2,4	104.5
4		1,7	105.2
bb		1,1	105.8
NL		0,5	106.4

50' E of Warden st

NL		0,8	106.1
bb		1,4	105.5
4		1,9	105.0
6		2,6	104.3
4		3,0	103.9
bb		3,8	103.1
SL		4,2	102.7

		10692		
	75'	E of	Warden st	
SL			4,6	102.3
bb			4,1	102.8
7			3,6	103.3
6			3,0	103.9
7			2,2	104.7
bb			1,8	105.1
NL			1,4	105.5
TP	2.47	10667	2,72	104,20
	100'	E of	Warden st	
NL			2,0	104.7
bb			2,2	104.5
7			2,4	104.3
6			3,2	103.5
7			4,0	102.7
bb			4,5	102.2
SL			5,1	101.6

		10667		Vallon
	125'	E of	Warden st	
SL			6,0	100.7
bb			5,7	101.0
7			4,9	101.8
6			4,4	102.3
7			4,0	102.7
bb			3,5	103.2
NL			3,3	103.4
	150'	E of	Warden	
NL			5,2	101.5
bb			5,5	101.2
7			5,5	101.2
6			5,5	101.2
7			6,2	100.5
bb			6,8	99.9
SL			7,0	99.7

		10667		
	175'	E of	Warden st	
SL			7,7	99.0
bb			7,7	99.0
y			7,6	99.1
b			7,4	99.3
y			7,6	99.1
bb			7,6	99.1
nL			7,2	99.5
	200'	E of	Warden st	
nL			8,8	97.9
bb			8,2	97.5
y			8,3	97.4
b			8,5	98.2
y			8,7	97.0
bb			8,5	97.2
SL			8,5	98.0 ~~97.2~~

		10667		Voltair
	225'	E of	Warden st	
SL			9,1	97.6 ~~96.6~~
bb			9,1	96.6
y			9,3	97.4
b			9,6	97.1
y			9,8	96.9
bb			10,2	96.5
nL			10,2	96.5
TP	3,95	10057	10.05	96.62
	250'	E of	Warden st	
nL			4,7	95.9 ~~96.1~~
bb			4,7	96.1
y			4,6	96.2
b			4,3	96.5
y			3,5	97.3
bb			3,0	97.8
SL			2,9	97.7 ~~97.9~~

POSTED

100.57

275' E of Warden st

S2	3,5	97.1 ~~97.3~~
bb	3,3	97.5
b	4,0	96.8
b	4,8	96.0
y	5,1	95.7
bb	5,2	95.6
N2	5,2	95.4 ~~95.6~~

300' E = W2 Warrington (5-01)

N2	6,4	94.2 ~~94.4~~
bb	6,0	94.8
y	5,9	94.9
b	5,9	94.9
y	5,1	95.1
bb	4,8	96.0
S2	4,8	95.8 ~~96.8~~

100.57 Vallan

W bb of Warrington

S2	5,2	95.4 ~~95.6~~
bb	5,5	95.3
y	6,0	94.8
b	6,5	94.3
y	6,4	94.4
bb	6,5	94.3
N2	6,7	93.9 ~~94.1~~

W 1/4 of Warrington st

W2	6,9	93.7 ~~93.9~~
bb	6,6	94.2
y	6,6	94.2
b	6,8	94.0
y	6,2	94.6
bb	5,7	95.1
S2	5,4	95.2 ~~95.4~~

10057

Center of Warrington

SL	5,9	94.7 ~~94.9~~
bb	6,2	94.6
y	6,9	93.9
b	7,4	93.4
y	6,8	94.0
bb	7,0	93.8
nL	7,2	93.3 ~~93.5~~

E ¼ of Warrington st

nL	7,9	92.7 ~~92.9~~
bb	7,4	93.4
y	7,3	93.5
b	7,5	93.3
y	7,4	93.4
bb	6,9	93.9
SL	6,2	94.3 ~~94.5~~

10057 Voltair

Ebb of Warrington st

SL	6,9	93.7 ~~93.9~~
bb	7,6	93.2
y	8,0	92.8
b	8,5	92.3
y	8,2	92.6
bb	8,4	92.4
nL	8,6	92.0 ~~92.2~~

E Line of Warrington

nL	9,7	90.9 ~~91.1~~
bb	9,8	91.0
y	9,6	91.2
b	9,2	91.6
y	8,8	92.0
bb	8,4	92.4
SL	7,6	93.0 ~~93.2~~

		100.57		
	25'	E of	Warrington	
S2			9,6	91.0 ~~91.2~~
bb			10,0	90.8
y			10,4	90.4
b			11,0	89.8
y			12,5	88.3
TP	1,27	89.41	12,70	88.17
bb			4,0	85.4
n2			5,2	84.2
	50'	E of	Warrington	
n2			11,4	78.0
bb			9,8	79.6
y			8,0	81.4
b			4,7	83.7
y			2,6	86.8
bb			1,2	88.2
S2			0,6	88.8

		89.41		Voltaire
	75'	E of	Warrington	
S2			4.8	84.6
bb			5,5	83.8
y			7,0	82.4
b			10,0	79.4
y			13,8	75.6
	100'	E of	Warrington	
S2			9,4	80.0
bb			9,5	79.9
y			12,6	76.8
TP	1,02	78.15	12,28	77.13
	75'	E of	Warrington	
n2			6,7	71.5
bb			4,4	73.8
	100'	E of	Warrington	
n2			11,3	66.9
bb			6,3	71.9
y			3,6	74.6
b			2,6	75.6

at trale

POSTED

78.15

	125'	E of	Warrington	
n2			13,1	65.1
bl			11,0	67.2
y			8,4	69.8
b			6,7	71.5
y			6,1	71.1
bl			4,3	73.9
S2			3,5	74.7
	150'	E of	Warrington	
S2			8,4	69.8
bl			10,0	78.2 (62.7)
y			11,2	67.0
b			12,6	75.6 (65.6) (?)
TP	235	69.08	11,42	66.73
y			3,8	65.3
bl			5,6	63.5
n2			7,8	61.3

69.08 Voltaire

	175'	E of	Warrington	
n2			11,0	58.1
bl			9,7	59.4
y			8,8	60.3
b			7,7	61.4
y			7,4	61.7
bl			6,6	62.5
S2			5,6	63.5
	200'	E of	Warrington	
S2			8,8	60.3
bl			9,6	59.5
y			10,4	58.7
b			13,0	56.1
y			12,0	57.1
bl			14,0	55.1
n2			15,2	53.9

		69.08			
	225'	E of	Warrington		
NL			9,3	59.8	
bb			9,0	60.1	
4			9,0	60.1	
b			8,3	60.8	
4			8,2	60.9	
bb			8,0	61.1	
SL			8,6	60.5	
	250'	E of	Warrington		
SL			2,2	66.9	
bb			1,5	67.6	
4			1,0	68.1	
b			0,8	68.3	
4			1,0	68.1	
bb			0,6	68.5	
NL			1,3	67.8	
TP	9,94	77,53	1,49	67.59	TP at 250 on n

		77.53		Voltari
	270	E = Pueblo Line E L of Western add		
NL			1,5	76.0
bb			1,0	76.5
4			1,4	76.1
b			1,9	75.6
4			2,6	74.9
bb			3,8	73.7
SL			5,8	71.7

POSTED

Clough
1. Taylor
Dranga
mar 13
08

Levels for Profile on Udal St (70')
from San Clemente to E L of Western add.

	12,41	89.89		77.48	BM H 20' 20 of Valtair on San Clemt
	11.03	97.98	2,94	86.95	BM NE H Udal & San C
	E L of San Clemente				
NL			11,0	87.0	
b			8,5	89.5	
SL			0,7	97.3	
	25' E of San Clemente				
SL			3,0	95.0	
b			9,5	88.5	
NL			12,4	85.6	
	50' E of San Clemente				
NL			12,6	85.4	
b			9,5	88.5	
SL			5,7	92.3	
	100' E of San Clemente = Pueblo Line				
SL			8,3	89.7	
b			11,2	86.8	
	2.64	89.92	10.70	87.28	
NL			7,0	82.9	

POSTED

		89.92		Udal
	50' E of Pueblo Line			
NL			9,4	80.5
b			6,6	83.3
SL			4,4	85.5
	100' E of Pueblo Line			
SL			6,8	83.1
b			8,8	81.1
NL			10.8	79.1
	150' E of Pueblo Line			
NL			12,3	77.6
b			10,5	79.4
SL			8,0	81.6
	200' E of Pueblo Line			
SL			9,6	80.3
b			11,5	78.4
NL			13,8	76.1
TP	3,16	81.26	11,82	78.10

POSTED

		81.26		
	250' E of Pueble Line			
NL			5,6	75.7
b			4,8	76.5
SL			1,8	79.5
	275' E of Pueble Line			
SL			4,8	76.5
b			4,8	76.5
NL			15,0	66.3
	300' E of W L of Wells st (50')			
NL			14,8	66.5
b			5,0	76.3
SL			4,8	76.5
	Center of Wells st			
SL			3,6	77.7
b			11,5	69.8
	E Line of Wells			
SL			6,5	74.8
TP	2,43	71.18	12,51	68,75

		71.18		Nd al
	Center of Wells st			
NL			4,4	66.8
	E Line of Wells			
NL			5,7	65.5
b			5,2	66.0
	25' E of Wells st			
NL			10,8	60.4
b			8,3	62.9
SL			3,3	67.9
	50' E of Wells			
SL			1,2	70.0
b			8,6	62.6
NL			13,0	58.2
	75' E of Wells			
NL			13,3	57.9
b			9,0	62.2
	100' E of Wells			
NL			12,6	59.6
b			8,8	62.4

		71.18		
	125'	E of Wells		
nl			10,6	60.2
b			10,3	60.9
	150'	E of Wells		
nl			6.5	64.7
b			10,5	60.7
TP	11,0	75.32	6,85	64,23
	75'	E of wells		
Sl			0,0	75.3
	100'	E of wells		
Sl			4,6	70.7
	125	E of Wells st		
Sl			7,0	68.3
s	150'	E of wells		
Sl			9,6	65.7
	175	E of wells st		
Sl			11,2	64.1
b			13,4	61.9
nl			7.5	67.8

		75.33		Indal st	
	200'	E of wells			
nl			4,8	70.5	
b			12,4	62.9	
Sl			11,7	63.6	
	225'	E of Wells st			
Sl			11,7	63.6	
b			10,0	65.3	
nl			3,4	71.9	
	250'	E of Wells			
nl			10,2	75.5	
b			8,5	66.8	
Sl			10,4	64.9	
	306'	E = W of	Worden st (S.O.)		
Sl			9,5	65.8	
b			4,4	70.9	
	Center of	Worden st			
Sl			8,8	66.5	
b			1,8	73.5	
TP	10,17	84.02	1,50	73.82	Cent.

		84.00		
	300'	E = W S of Warden st (50')		
NS			4,4	79.6
	Center of Warden st			
NS			3,3	80.7
	E Line of Warden st			
NS			2,0	82.0
b			7,3	76.7
SS			15,4	68.6
	50'	E of Warden		
SS			11.5	72.5
b			4,0	80.0
NS			0.7	83.3
T.P	780'	91.44	0,36	83.64
	75'	E of Warden		
NS			6.8	84.6
b			10,6	80.8
SS			14.0	77.4

		91.44		Udall
	100'	E of Warden st		
SS			11.1	80.3
b			9.7	81.7
NS			6.6	84.8
	150'	E of Warden		
NS			5,6	85.8
b			8,6	82.8
SS			10,2	81.2
	200'	E of Warden		
SS			8,4	83.0
b			6,2	85.2
NS			3,4	88.0
	250'	E of Warden		
NS			0,0	91.4
b			4,1	87.3
SS			6,3	85.1
	300'	E = W S of Warrington (50')		
SS			4.1	87.3
b			2.0	89.4

		91.44		
TP	695	96.48	1.91	89.53
	300' E = WL of Warrington (50')			
NL			4.4	92.1
	Center of Warrington			
NL			4,0	92.5
b			6,3	90.2
SL			8,3	88.2
	E Line of Warrington			
SL			7,7	88.8
b			6,0	90.5
NL			4,0	92.5
	50' E of Warrington			
NL			3,6	92.9
b			5,6	90.9
SL			5.5	91.0
	100' E of Warrington			
SL			4,3	92.2
b			3,3	93.2
NL			3,8	92.7

		96.48		Udall st
	150' E of Warrington			
NL			7,4	89.1
b			2,4	94.1
SL			2,5	94.0
	200' E of Warrington			
SL			2,7	93.8
b			3,2	93.3
NL			5.5	91.0
TP	451	95.81	5.18	91.30
	250' E of Warrington			
NL			11,4	84.4
b			4,5	91.3
SL			1,8	94.0
	270' E = Pueblo Line E Line of western add			
SL			2,1	93.7
b			4,5	91.3
NL			13,9	81.9

POSTED

POSTED

Levels for Profile on Morden st (50') from S L to N L of Western Ave

	12+8	8611		73.83	TP cent of Morden & Western
	Pueblo line on S line of Morden ave Morden is 60' wide S side of this line				
EL			2,4	83.7	
b			1,8	84.3	
WL			1,6	84.5	
	50'	N of	Pueblo		
WL			2,2	83.9	
b			3,0	83.1	
EL			3,3	82.8	
	100'	N of	Pueblo		
EL			5,3	80.8	
b			5,4	80.7	
WL			5,3	80.8	
	180'	N of	Pueblo		
WL			5,8	80.3	
b			5,6	80.5	
EL			6,7	79.5	

POSTED

PLOTTED

		8611			Morden st
	150'	N of	Pueblo line		
EL			12,0	74.1	
b			10,0	76.1	
WL			6,6	79.5	
	175'	N of	Pueblo line		
WL			11,4	74.7	
TP	3,81'	7752	12,40	73.71	
b			7,2	70.3	
EL			7,7	69.8	
	190	N of	Pueblo		
EL			10,4	67.1	
	200'	N = S line of Indal St (70')			
EL			9,2	68.3	
b			11,0	66.5	
WL			11,7	65.8	
	Center of Indal				
WL			6,3	71.2	
b			3,6	73.9	
EL			0,8	76.7	

POSTED

PLOTTED

TP	12,75	86.57	3,70	73.82	AP
	N Line of Udal st				
EL			4,6	82.0	
b			5,7	80.9	
WL			6,9	79.7	
	150'	N of Udal			
WL			3,3	83.3	
TP	11,73	95.00	3,30	83.27	
b			10,0	85.0	
EL			8,4	86.6	
	100'	N of Udal st			
EL			1,7	93.3	
b			4,5	90.5	
WL			6,3	88.7	
TP	11,02	104.41	1.61	93.39	
	150'	N of Udal			
WL			9,4	95.0	
b			6,4	98.0	
EL			5,4	99.0	

PLOTTED

		104.41		Warden st	
	200'	N = S Line of Voltair (70')			
EL			2,4	102.0	
b			4,0	100.4	
WL			5,5	98.9	
	Center of Voltair st				
WL			4,6	99.8	
b			2,9	101.5	
EL			1,0	103.4	
TP	9.97	113.22	1.16	103.25	
	N Line of Voltair				
EL			6,9	106.3	
b			8,9	104.3	
WL			11.4	101.8	
	50'	N of Voltair			
WL			8,5	104.7	
b			6,5	106.7	
EL			4,4	108.8	

PLOTTED

		113.22		
	100'	n of	Voltair	
EL			2,8	110.4
b			7,2	106.0
WL			9,0	104.2
	125'	n of	Voltair	
WL			11,2	102.0
b			9,2	104.0
EL			4,6	108.6
	150'	n of	Voltair	
EL			11,6	101.6
b			12,4	100.8
TP	242	103.86	11.78	101.44
WL			3,4	100.5
	200'	n = S.L. of Whittier (70')		
WL			6,0	97.9
b			5,5	98.4
EL			5,6	98.3

PLOTTED

		103.86		Warden
	Center of Whittier			
EL			6,2	97.7
b			6,2	97.7
WL			7,2	96.7
	N line of Whittier			
WL			7,5	96.4
b			7,4	96.5
EL			8,3	95.6
	50'	n of	Whittier	
EL			11,6	92.3
b			9,8	94.1
WL			8,0	95.9
TP	226	96.14	9.98	93.88
	100'	n of	Whittier	
WL			3,3	92.8
b			6,4	89.7
EL			9,4	86.7

POSTED

near [illegible]

PLOTTED

		9614		
	125'	n of Whittier		
El			13,0	83.1
b			9,0	87.1
WL			5.8	90.3
	150'	n of Whittier		
WL			7,4	88.7
b			10,0	86.1
TP	2,77	8878	9.93	86.21
El			7,2	81.8
	175'	n of Whittier		
El			6,7	82.3
b			3,2	85.8
WL			1,3	87.7
	200'	n =	5 L 1	Xenephon (50')
WL			2,6	86.4
b			5,2	83.8
El			9,4	79.6

PLOTTED

		8898		warden
		Center of Xenephon		
El			12,0	77.0
b			7,2	81.8
WL			5,3	83.7
		n L of Xenephon		
WL			8,0	81.6
b			9,6	79.4
El			13,2	75.8
TP	1,3	8020	9.91	79.07
	25'	n of Xenephon		
El			7,8	72.4
b			2,1	78.1
WL			0,3	79.9
	50'	n of Xenephon		
WL			1,6	78.6
b			3,2	77.0
El			7,8	72.4

PLOTTED

		80.20		
	75'	n of	Xenephon	
EL			7,8	72.4
b			4,0	76.2
WL			2,4	77.8
	100'	n of	Xenephon	
WL			3,7	76.5
b			5,0	75.2
EL			7,7	72.5
	125'	n of	Xenephon	
EL			9,6	70.6
b			6,8	73.4
WL			5,4	74.8
	150'	n of	Xenephon	
WL			7,1	73.1
b			9,5	70.7
EL			12,3	67.9
TP	2,67	72.67	10,20	70.00

PLOTTED

		72.67		Worden st
	175'	n of	Xenephon	
EL			8,0	64.7
b			4,0	68.7
WL			0,8	71.9
	200'	n = S S of Younge St (70')		
WL			1,8	70.9
b			5,5	67.2
EL			9,7	63.0
	Center of Younge			
EL			12,2	60.5
b			7,4	65.3
WL			3,8	68.9
	n line of Younge			
WL			5,7	67.0
b			9,2	63.5
EL			13,4	59.3
TP	5,56	67.52	10,71	61.96

POSTED

PLOTTED

		67.58		
	25'	n of	Younge	
El			11,3	56.2
b			5,7	61.8
WL			2,3	65.2
	50'	n of	Younge	
WL			3,0	64.5
b			6,6	60.9
El			11,2	56.3
	75'	n of	Younge	
El			11,0	56.5
b			6,0	61.5
WL			2,6	64.9
	100'	n of	Younge	
WL			2,3	65.2
b			8,8	58.7
TP	1,94	60.58	8,88	58.64
El			9,6	51.0

PLOTTED

		60.58		Wnder
	125'	n of	Younge	
El			14,0	46.6
b			7,4	53.2
WL			0,0	60.6
	150'	n of	Younge	
WL			6,2	54.4
b			10,0	50.6
TP	1,04	51.91	9,71	50.87
El			7,0	44.9
	175'	n of	Younge	
El			6,0	45.9
b			3,5	48.4
WL			2,0	49.9
	200'	n = S side	Zouch at (70')	
WL			4,3	47.6
b			7,6	44.3
El			9,5	42.4

PLOTTED

51.91

Center of Zouch st

El	13.8	38.1	
b	10.7	41.2	
WL	5.5	46.4	

N Line of Zouch st

WL	4.5	47.4	
b	9.0	42.9	
El	14.0	37.9	

25' n of Zouch

El	12.8	39.1	
b	8.0	43.9	
WL	3.2	48.7	

50' n of Zouch

WL	0.5	50.4	
b	6.6	45.3	
El	12.0	39.9	

75' n of Zouch

El	13.2	38.7	
b	8.2	43.7	

PLOTTED

Warden

TP	4.20	48.04	8.10	43.81

75' n of Zouch

WL	7.20	50.00	

100' n of Zouch

WL	0.0	48.0	
b	4.8	43.2	
El	9.0	39.0	

125' n of Zouch

El	8.2	39.8	
b	4.4	43.6	
WL	0.0	48.0	

150' n of Zouch

WL	0.0	48.0	
b	4.4	43.6	
El	9.4	38.6	

175' n of Zouch

El	12.0	36.0	
b	6.0	42.0	
WL	3.4	44.6	

PLOTTED

		48.04		
	200'	n of	Zouch = S L of Alcott (70)	
WL			9.5	38.5
TP	2.36	38.90	11.50	36.54
b			5.5	33.4
EL			9.7	29.2
	Center of Alcott st			
EL			13.0	25.9
b			9.0	29.8
WL			4.0	34.9
	n L b Alcott st			
WL			8.4	30.5
b			12.8	26.1
TP	4.48	31.09	12.30	26.60
EL			8.2	22.9
	25'	n of	alcott	
EL			8.2	22.9
b			3.0	26.1
WL			1.6	29.5

PLOTTED

		31.09		Warden st
	50'	n of	alcott	
WL			3.5	27.6
b			7.4	23.7
EL			10.3	20.8
	75'	n of	Alcott	
EL			11.2	19.9
b			8.2	22.9
WL			4.8	26.3
	100'	n of	Alcott	
WL			6.2	24.9
b			10.5	20.6
EL			13.8	17.3
	125'	n of	Alcott	
EL			15.1	16.0
b			12.5	18.6
WL			9.0	22.1
TP	0.85	23.28	8.66	22.43

POSTED

PLOTTED

		23.28		
	150'	n of	Alcott	
WL			0,8	22.5
b			6,3	17.0
EL			9,5	13.8
	175'	n of	Alcott	
EL			11.3	11.0
b			8,5	14.8
WL			2,5	20.8
	200' n = S L of		Browning (70')	
WL			4,5	18.8
b			9,7	13.6
EL			13,4	9.9
	Center of		Browning 10	
EL			16,3	7.0
b			13,8	9.5
WL			8,4	14.9
TP	279	14.26	11,81	11,47

PLOTTED

		14.26		Wonder
	N Line of		Browning	
WL			4,6	9.7
b			8,2	6.1
EL			9,4	4.9
	50'	n of	Browning	
EL			9,6	4.7
b			10,3	4.0
WL			9,5	4.8
	100'	n of	Browning	
WL			11,6	2.7
b			10,8	4.5
EL			9,4	4.9
	150'	n of	Browning	
EL			11,0	3.3
b			12,0	2.3
WL			12,1	2.2
TP	11.23	12.55	12.94	1,32

PLOTTED

1255

	200'	n =	S S of Curtiss (70")	
WL			11,2	1.4
b			11,5	1.1
EL			11,3	1.3
	Center of Curtiss st			
EL			12,1	0.5
b			12,3	0.3
WL			12,1	0.5
	N S of Curtiss			
WL			13,0	-0.4
b			13,0	-0.4
EL			13,0	-0.4
	50'	n of Curtiss		
EL			14,0	-1.4
b			14,0	-1.4
WL			14,6	-2.0

PLOTTED

1255 Worden

	100'	n of Curtiss		
WL			14,8	-2.2
b			14.1	-1.5
EL			13,5	-0.9
	150'	n of Curtiss		
EL			8,8	3.8
b			9,3	3.3
WL			10,3	2.3
	175	n of Curtiss		
WL			6,0	6.6
b			5,5	7.1
EL			6,2	6.4
	200'	n of Curtiss		
EL			3,6	9.0
b			3,6	9.0
WL			3,1	9.5

POSTED

PLOTTED

1255

210' N = Pueblo Line N Line of Western add. Wardens 60 North of

WL		3,0	9.6	
b		2,8	8.8	
EL		2,6	10.0	
BM		2,35	10,20	H NE Western + Pueblo Line

PLOTTED

POSTED

Levels for Profile over Wells St (50') 46

Through Western addition

	11,67	89.15		77.48	BM 20' W Voltaic on Sun Elevator
TP	9.07	95.54	2,68	86.47	
	South Line of Western add				
WL			2,5	93.0	
[illegible]			2,9	92.6	
EL			3,2	92.3	
	50'	N of	S Line		
EL			6,6	88.9	
b			6,4	89.1	
WL			5,9	89.6	
	100'	N of	S Line		
WL			9,2	86.3	
b			10,2	85.3	
EL			10,1	84.4	
TP	1.36	85.37	11,53	84.01	
	150	N of	S Line		
EL			4,5	80.9	
b			3,5	81.9	
WL			3,7	81.7	

POSTED

		85.37		
	275'	n of	S line	
W2			6,0	79.4
b			7,0	78.4
E2			6,8	78.6
	195'	n		
E2			7,3	78.1
	200'	n of	S2 = S line of	Udall (76)
E2			10,6	74.8
b			7,8	77.6
W2			9,0	76.4
b	35' n of center cross S2		8,0	
	center of Udall			
W2			8,5	76.9
TP	0.99	74.02	1,04	73.03
b			5,7	68.9
E2			7,5	66.5
	N line of	Udall		
E2			8,5	65.5
b			7,5	66.5
W2			7,6	66.4

				Wells	
		74.02			
	25'	n of	Udall		
W2			10,8	63.2	
b			7,5	67.5	
E2			14,0	60.0	
TP	5,73	67.29	12,46	61.56	
	50'	n of	Udall		
E2			7,7	59.6	
b			4,6	62.7	
W2			7,8	59.5	
	75'	n of	Udall		
W2			11,8	56.5	
b			11,0	56.3	
E2			17,6	54.7	
	100'	n of	Udall		
E2			15,0	54.0	
b			15,0	52.3	
W2			14,5	52.8	
	110	n of	Udall		
W2			16,7	51.1	

		67.29		
	125'	n of	Kdall	
WL			15.0	52.3
b			13.6	53.7
EL			12.2	55.1
	150'	n of	Kdall	
EL			8.6	58.7
b			11.5	55.8
WL			13.0	64.3
	175'	n		
WL			8.5	58.8
b			5.5	61.8
EL			3.5	63.8
	200	n = S L of Voltaire (70')		
EL			1.8	65.5
b			3.9	63.4
WL			4.6	62.7
T.O	9.22	76.51	0.0	67.29

		76.51		Wells
		center of Voltaire st		
WL			9.2	67.3
b			8.5	68.0
EL			6.1	70.4
		N line of Voltaire		
EL			5.8	70.7
b			6.7	69.8
WL			7.2	68.3
		50' n of Voltaire		
WL			7.3	69.2
b			6.0	70.5
EL			4.8	71.7
		100' n of Voltaire		
EL			4.9	71.6
b			6.5	70.0
WL			7.2	69.3

POSTED

		76.51		
	150'	n of	Voltair	
WL			8,0	68.5
b			5,5	71.0
EL			2,9	73.6
TP	5.44	79.14	7,81	77.70
	200'	n = S L of	Whittier	(70')
EL			5,1	73.8
b			7,6	71.5
WL			10,2	68.9
	center	of	Whittier	
WL			8,0	70.1
b			6,8	72.3
EL			5,4	73.7
	n end	of	Whittier	
EL			5,1	74.0
b			7,0	72.1
WL			8,2	70.9

		79.14			Wells
	50'	n of	Whittier		
WL			7,8	71.3	
b			6,1	72.0	
EL			4,7	74.4	
	100'	n of	Whittier		
EL			5,1	73.0	
b			6,7	72.4	
WL			8,0	71.1	
	150'	n of	Whittier		
WL			8,8	70.3	
b			7,6	71.5	
EL			6,9	72.2	
	200'	n = S L of	Vineyard	(70')	
EL			7,9	71.2	
b			8,0	71.1	
WL			8.3	70.8	
TP	4,20	75.59	7,75	71.39	

75.5-9

center of Xenophon

WL	5,7	69.8
b	5,4	70.2
EL	4,8	70.8

N Lin of Xenophon

EL	5,0	70.6
b	6,1	69.5
WL	6,6	69.0

50' N of Xenophon

WL	6,8	68.8
b	6,3	69.3
EL	5.4	70.4

100' N of Xenophon

EL	5,4	70.2
b	6,3	69.3
WL	7,0	68.6

75.5-9 Wells

150' N of Xenophon

WL	7,3	68.3
b	6,9	68.7
EL	6.4	69.2

200' N = S L of Younge (70')

EL	7,8	67.8
b	6,9	68.7
WL	6.9	68.7

center of Younge

WL	7,1	68.5
b	7,9	67.7
EL	9,0	66.6

N L of Younge

EL	9,6	66.0
b	10,0	65.6
WL	9,5	66.1

		75.59		
	50'	n of	Younge	
WL			11,2	64.4
b			10,9	64.7
EL			10,5	65.1
	110'	n of	Younge	
EL			9,1	66.5
b			10.5	65.1
WL			11,6	64.0
TP	11.73	75.99	11.33	74.26
	150	n of	Younge	
WL			10,1	65.9
b			8,4	67.6
EL			7,6	68.4
	200'	n = S	Zouch	(70')
EL			4,4	71.6
b			6,4	69.6
WL			8,4	67.6

		75.99			Wells
			center of Zouch		
WL			7,2	68.8	
b			4,5	71.5	
EL			2,8	73.2	
			N Line of Zouch		
EL			1,6	74.4	
b			4,2	71.8	
WL			5,5	70.5	
	50'	n of	Zouch		POSTED
WL			5,8	70.2	
b			3,5	72.5	
TP	7,13	79.65	3.47	72.52	
EL			5,5	74.2	
	100'	n of	Zouch		
EL			4,4	75.3	
b			7,2	72.5	
WL			9,1	70.6	

		79.65		
	150'	n of	Touch	
WL			12,7	67.0
b			8,8	70.9
EL			5,0	74.7
	200'	n = S ℄ of	Alcott (70')	
EL			7,6	72.1
b			11,5	68.2
TP	3,02	71.71	10,96	68.69
WL			10,7	61.0
	Center of	Alcott		
WL			11,0	60.7
b			5,3	66.4
EL			0,8	70.9
	N Line of	Alcott		
EL			3,2	68.5
b			6,8	64.9
WL			11,0	60.7

		71.71		Wells st
	50'	n of	Alcott	
WL			11,7	60.0
b			7,5	64.2
EL			5,0	66.7
	100'	n of	Alcott	
EL			6,2	65.5
b			9,7	62.0
WL			11,8	69.9
	150	n of	Alcott	
WL			13,2	58.5
b			10,6	61.1
EL			8,0	63.7
	200'	n = S Line of	Brauning (70')	
EL			8,6	63.1
b			10,8	60.9
WL			12,5	58.2

7171

	Center of Browning			
WL			11,8	69.9
b			10.2	61.5
EL			8,8	62.9
	N Line of Browning			
EL			7,2	63.5
b			9,3	62.4
WL			11,4	60.3
	50'	N of Browning		
WL			9,0	62.7
b			6,6	65.1
EL			4,3	67.4
TP	5.48	7323	3,96	67.85
	100'	N of Browning		
EL			4,4	68.8
b			6,0	67.2
WL			7,9	65.3

7323

	150'	N of Browning		
WL			7,3	65.9
b			5,9	67.3
EL			5,2	68.0
	200'	N = SL of Curtiss		
EL			6,9	66.3
b			6,4	66.8
WL			7,5	65.7
	Center of Curtiss			
WL			8,3	64.9
b			7,8	65.4
EL			9,0	64.2
	N Line of Curtiss			
EL			11,5	61.7
b			9,4	63.8
WL			9,3	63.9

		73.23		
	25'	n of	Curtiss	
WL			10.0	63.2
C			11.2	62.0
EL			13.6	59.6
TP	2.16	63.36	12.03	61.20
	50'	n of	Curtiss	
EL			7.0	56.4
C			2.7	60.7
WL			2.3	61.1
	75'	n of	Curtis	
WL			4.4	59.0
C			5.2	58.2
EL			10.3	53.1
	100'	n of	Curtis	
EL			17.4	46.0
C			7.9	55.5
WL			6.0	57.4

		63.36		Wells St	
	125'	n of	Curtiss		
WL			8.8	54.6	
C			15.4	48.0	
TP	1.92	53.71	11.57	51.79	
	150'	n of	Curtis		
WL			1.9	51.8	
TP	1.34	45.35	9.70	44.01	
	125'	n of	Curtis		
EL			9.6	35.8	
	150'	n of	Curtis		
C			5.0	40.4	
	175	n of	Curtis		
WL			1.3	44.1	
C			12.6	32.8	
	200'	n of	Curtis		
WL			13.6	31.8	
	210'	n of	n Line of Western add		on Hole of 60' st.
TP	1.33	33.93	12.75	32.60	
WL			4.0	29.9	

POSTED

		33.93		
	150'	n of	Curtiss	
EL			9,0	24.9
TP	0,37	22,20	12.10	21.83
	175'	n of	Curtiss	
EL			6.7	15.5
	200'	n of	Curtiss	
EL			12.8	9.4
C			1,0	21.2
	210'	n =	Pueblo Line	
C			7,6	15.6
TP	3,38	15.72	9,86	12,34
	210'	n = N	Line of Western add	
EL		POSTED	11,5	4.2
			5,40	

Clough Taylor Orange Apr 2 08

Levels for Profile on Abbott St (60')
from S L of Newport to N L Brighton

	0.08	13.42		13.04	BM 2nd + newport
TP	0.37	8.64	5.15	8.27	
	S Line of Newport (80')				
EL			5.8	2.8	
b			5.8	2.8	
WL			6.0	2.6	
	Center of Newport				
WL			6.0	2.6	
b			6.0	2.6	
EL			5.5	3.1	
	N Line of Newport				
EL			6.0	2.6	
b			6.0	2.6	
WL			6.0	2.6	
	50' N of Newport				
WL			5.8	2.8	
b			5.7	2.9	
EL			5.6	3.0	

POSTED

		8.64		Abbott St	
	100' N of Newport				
EL			5.6	3.0	
b			4.6	4.0	
WL			5.5	3.1	
	150' N of Newport				
WL			4.4	4.2	
b			5.8	2.8	
EL			6.3	2.3	
	200' N of Newport				
EL			6.3	2.3	
b			6.1	2.5	
WL			3.1	5.5	
	250' N of Newport				
WL			5.5	3.1	
b			6.0	2.6	
EL			6.2	2.5	

POSTED

		8.64		
	300'	n =	S L Santa Monica 80'	
EL			6,6	2.0
b			6,5	2.1
WL			6,2	2.4
	Center of			
WL			6,2	2.4
b			6,5	2.1
EL			6,3	2.3
TP	9,65	1224	6,05	2,59
	N L of Santa Monica			
EL			9,7	2.5
b			10,1	2.1
WL			10,1	2.1
	50'	n of	Santa	Monica
WL			10.1	2.1
b			10,3	1.9
EL			10.1	2.1

		1224		Abbott
	100'	n of	Santa	Monica
EL			8.6	3.6
b			10,3	1.9
WL			10.2	2.0
	150'	n of	Santa	Monica
WL			10,1	2.1
b			8,5	3.7
EL			6,0	6.2
	200'	n of	Santa	Monica
EL			4,3	7.9
b			5,5	6.6
WL			8,9	3.3
	250'	n of	Santa	Monica
WL			4,8	7.4
b			4,6	7.6
EL			5,0	7.2

		1224			
	300'	n ≡	S L of	Saratoga	(80')
EL			4,0	8.2	
b			3,0	9.2	
WL			5.0	7.2	
	Center of		Saratoga		
WL			5,5	6.7	
b			4,7	7.5	
EL			3,7	8.5	
	n L	of	Saratoga		
EL			6,2	6.0	
b			5,5	6.7	
WL			4,6	7.6	
	50'	n of	Saratoga		
WL			4,0	8.2	
b			5,1	7.1	
EL			5.8	6.4	
TP	5,90	12,34	5,80	6.44	

		1234		Abbott st	
	100'	n of	Saratoga st		
EL			4,6	7.7	
b			5.8	6.4	
WL			6,2	6.1	
	150'	n of	Saratoga		
WL			5,1	7.2	
b			4,4	7.9	
EL			5,5	6.8	
	200'	n of	Saratoga		
EL			5,5	6.8	
b			5,2	7.1	
WL			5,0	7.3	
	250'	n of	Saratoga		
WL			5,5	6.8	
b			6,3	6.0	
EL			7,2	5.1	

POSTED

	300' n = S S of Cape May (80')			
Ez			5,4	6.9
b			5,4	6.9
Wz			5,4	6.9
	Center of Cape May			
Wz			4,0	8.3
b			2,6	9.7
Ez			0.0	12.3
TP	3,47	15.61	0,20	12.14
	N Line of Cape May			
Ez			1,5	14.1
b			6,2	9.4
Wz			7.8	7.8
	50' n of Cape May			
Wz			8,3	7.3
b			6,9	8.7
Ez			7,4	8.2
	75' n		5	10.6
Ez			5,0	10.6
b			6,2	9.4

		15.61		Abbott
	100' n of Cape May			
Ez			5,2	10.4
b			8,5	7.1
Wz			9,2	6.4
	150 n of Cape May			
Wz			9,5	6.1
b			6,5	9.1
Ez			3,3	12.3
TP	6.78	21.69	0.70	14.91
	200' n of Cape May			
Ez			1,7	20.0
b			10,2	11.5
Wz			13,6	8.1
	250' n of Cape May			
Wz			7,0	14.7
b			7,2	14.5
Ez			8,6	13.6

		21.69		
	300' n =		S.L. Brighton (60')	
EL			2,5	19.2
b			0.8	20.9
WL			1,3	20.4
	Center of Brighton			
WL			3,8	17.9
b			4,6	17.1
EL			7,0	17.7
TP	1,48	16,24	6,93	14,76
	S.L. + 4.5			
EL			7,4	8.8
b	POS		5,0	11.2
WL			4,0	12.2
	N. Line of Brighton			
WL			13,0	3.2
b			13,0	3.2
EL			13,0	3.2
BM			9.20	7.04 ✓

Levels for Profile in Santa Monica
WL of Bacon to Ocean (80')

POSTED

	4.28	14.05		9.77	BM SW Santa Monica & [illegible]
	WL of Bacon				
SL			4.4	9.7	
b			4.3	9.8	
NL			4.9	9.2	
	50' W of Bacon				
NL			4.9	9.2	
b			4.6	9.5	
SL			4.5	9.7	
NL	85'	W of Bacon	5.0	9.0	
	100	W of	Bacon		
SL			4.9	9.2	
b			4.9	9.2	
NL	140'	W of	Bacon		
SL			4.6	9.5	
TP	11.90	24.61	1.34	12.71	
	100'	W of	Bacon		
NL			8.6	16.0	

24.61

	150'	W of	Bacon	
SL			12.0	12.6
b			6.2	18.4
NL			2.4	22.2
	200'	W of	Bacon	
NL			4.0	20.6
b			5.5	19.1
SL			4.5	20.1
	250'	W of	Bacon	
SL			9.3	15.3
b			10.1	14.5
NL			3.2	21.4
	300'	W of	Bacon	
NL			8.3	16.3
b			12.5	12.1
SL			15.6	9.0
TP	4.80	16.45	12.96	11.65

POSTED

		1645		
	350'	W of	Bacon	
S2			9,6	6.9
b			2,2	14.3
n2			5,5	11.0
	460'	W of	Bacon	
n2			8,4	8.1
b			5,5	11.0
S2			10,0	6.5
	450'	W of	Bacon	
S2			7,4	9.1
b			8,5	8.0
n2			8,4	8.1
	500'	W of	Bacon	
n2			9,6	6.9
b			9,6	6.9
S2			10,0	6.5
	550'	W of	Bacon	
S2			11.8	4.7
b			12,1	4.2
n2			11,1	5.4

TP	2,40	8.15	10,70	5,75
	600'	W. —	E 2	Allison (60') abbott
n2			5,8	2.4
b			5,9	2.3
S2			6,2	2.0
		Center of	abbott	
S2			6,0	2.2
b			6,0	2.2
n2			6,0	2.2
		W2 of	abbott	
n2			6,1	2.1
b			5,9	2.3
S2			5,7	2.5
		50' W of	abbott	
S2			4,2	4.0
b			4,0	4.2
n2			5,7	2.5

		8.15		
	100'	w of	Abbott	
NL			2,7	5.5
b			6,0	2.2
SL			5.6	2.6
	125 w = Ocean on SL			
SL			5.5	2.7
b			5,7	2.5
NL			5,0	3.2
	162 w = Ocean on NL			
NL			6,3	1.9
TP	8.87	10.96	6.06	2.09

POSTED

Levels of a Profile on Saratoga (80)
Ocean to Bacon

		10.96		
	374'	w of	Abbott	1st = Ocean on NL
NL			6.8	4.2
	329'	w of	Abbott	1st = Ocean on SL
NL			8,7	2.3
b			8,2	2.8
SL			8,2	2.8
	300'	w of	abbott	
SL			7,1	3.9
b			8,4	2.6
NL			9,2	1.8
	270	w of	Abbott	
NL			4,6	6.4
	250'	w of	abbott	
NL			7.9	3.1
b			6.0	5.0
SL			8.5	2.5

POSTED

1096

	220'	W of	abbott	
SL			5.0	6.0
	200'	W of	abbott	
SL			8.3	2.7
b			8.2	2.8
nL			8.2	2.8
	150'	W of	Abbott	
nL			7.0	4.0
b			8.2	2.8
SL			9.2	1.8
	100'	W of	abbott	
SL			6.7	4.3
b			7.7	3.3
nL			6.0	5.0
	50'	W of	abbott	
nL			3.5	7.5
b			1.0	10.0
SL			5.5	5.5

W line of Abbott 24 (20') Saratoga

TB	5.57	12.93	3.60	7.36
SL			5.6	7.3
b			6.3	6.6
nL			5.0	7.9
	Center of	abbott		
nL			6.2	6.7
b			5.6	7.3
SL			4.4	8.5
	E line of	abbott		
SL			4.8	8.1
b			4.8	8.1
nL			6.9	6.0
	50	E of	abbott	
nL			4.4	8.5
b			3.5	9.4
SL			4.7	8.2

		12.93		
	100'	E of	Abbott	
SL			5,0	7.5
b			4,8	8.1
nL			5,0	7.9
	150'	E of	Abbott	
nL			5,2	7.7
b			5,1	7.8
SL			4,3	8.6
	200'	E of	Abbott	
SL			0,6	12.3
b			2,0	10.9
nL			4,0	8.9
TP	1010	1933	3,70	9.23
	250'	E of	abbott	
nL			10,0	9.2
b			6,7	12.6
SL			4,0	15.3

nL	275'	E of	abbott 4.00	Sunday
	300'	E of	Abbott	
SL			2,2	17.1
b			10,2	9.1
nL			6.3	13.0
	350'	E of	abbott	
nL			8,4	10.9
b			5,0	14.3
SL			0,0	19.3
	350'	E of	abbott	
SL			7,2	21.3
	400'	E of	Abbott	
SL			8,0	11.3
b			8,0	11.3
nL			6,4	12.7
	450'	E of	abbott	
nL			6,0	13.3
b			7,6	11.7
SL			4,4	14.9

		1933		
	500'	E of	Abbott	
SL			4,0	15.3
b			2,9	16.4
TP	679	2334	2,78	16.55
SL			3,3	20.0
	525'	E of	Abbott	
NL			+1,0	24.3
	550'	E of	Abbott	
NL			2,0	25.3
b			5,0	18.3
SL			0,0	23.3
	570			
SL			3,00	20.3
b			7,0	16.3
NL			13,0	10.3
TP	1,54	12,81	12,07	11,27
	600'	E = W L of	Bacon St (60')	
NL			3,0	7.8
b			6,0	6.8
			5,5	7.3

POSTED

Levels for Profile on Bacon St (60')

	N L of	Saratoga	to 250'	S of Brighton	
					BM NE
	10,44	17,78		7,34	Saratoga + Bacon
	N L of	Saratoga			
EL			10,4	7.4	
b			11,2	6.6	
WL			9.7	8.1	
	50'	N of	Saratoga		
WL			11,0	6.8	
b			11,2	6.6	
EL			10,9	6.9	
	100'	N of	Saratoga		
EL			10,9	6.9	
b			10.8	7.0	
WL			3,5	14.3	
	125	N of	Saratoga		
WL			3,5	14.3	
b			8,7	9.1	
~~SL~~					

POSTED

See Page 74

		17.78			
	150'	n of	Saratoga		
E2			10,7	7.1	
TP	715	23.27	16.6	16.12	
b			3,8	19.5	
W2			3,0	20.3	
	175'	n of	Saratoga		
W2			2,5	20.8	
	200'	n of	Saratoga		
W2			5,9	17.4	
b			4,0	19.3	
E2			2,5	20.8	
	250'	n of	Saratoga		
E2			4,7	18.6	
b			5,9	17.4	
W2			8,5	14.8	
	300'	n = S	2 of Cape May st (80')		
W2			6,8	16.5	
b			5,4	17.9	
E2			3,3	20.0	

					Bacon 27 (2nd)
TP	65.6	26.48	3,35	18.92	
	Center of Cape May st				
E2			6,4	20.1	
b			6,0	20.5	
W2			7,4	19.1	
	N Line of Cape May st				
W2			1.0	25.5	
b			3.5	23.	POSTED
E2			5,8	20.7	
	35'	n of	Cape May		
E2			21.0	5.5	Bottom of sand slope
	25'	n of	Cape May		
W2			4,5	22.0	
	50'	n of			
W2			21.0	5.5	
	15'	n			
b			3.5	23.0	
	40'	n			
b			21.0	5.5	

POSTED

Levels for Profil on Cape Mary St (80)

	75' E of Bacon St	26.48			
	75' E of Bacon				
SL		20.0	6.5		Bottom of Sand
	50' E of Bacon				
SL		8.2	18.3		
b		8.2	18.3		
NL		20.	24.5		Bottom of Sand
	25' E of Bacon				
		9.0	17.5		
	E Line of Bacon St				
SL		6.4	20.1		
b		6.3	20.2		
NL		5.8	20.7		
	center				
NL		3.5	23.0		
b		6.0	20.5		
SL		8.2	18.3		

		26.48			Cape Mary
	W Line of Cape Mary				
SL			10.0	16.5	
b			7.6	18.9	
NL			1.0	25.5	
	50' W of Bacon				
NL			4.0	22.5	
b			9.7	16.8	
SL			12.0	14.5	
	100' W of Bacon				
SL			14.2	12.3	
b			10.8	15.7	
NL			8.0	18.5	
	150' W of Bacon				
NL			6.8	19.7	
b			10.3	16.2	
TP	651	25.86	6.73	19.75	
SL			1.2	24.7	
	175' W of Bacon				
b			+1.0	26.8	Sand bone

		25.86			
	200'	W of	Bacon		
S2			15.0	10.9	
b			7.0	18.9	
n2			9.5	16.4	
	225	W of	Bacon		
b			11.0	14.9	
	250	W of	Bacon		
n2			11.8	14.1	
b			9.8	16.1	
S2			14.5	11.4	
	275'	W of	Bacon		Sand bone
S2			5.3	20.6	
b			7.5	18.4	
T.P.	4.43	18.03	12.26	13.60	
	300'	W of	Bacon		
n2			7.0	11.0	
b			4.5	14.5	
S2			6.4	11.6	

		18.03		
	350	W of	Bacon	
S2			11.2	6.8
b			10.1	7.9
n2			4.5	13.5
	400	W of	Bacon	
S2			12.3	5.7
b			2.5	15.5
	450	W of	Bacon	
S2			11.1	6.9
b			0.0	18.0
	500'	W of	Bacon	
S2			9.8	8.2
T.P.	11.48	22.98	6.53	11.50
	400'	W of	Bacon	
n2			+2.0	25.0
	450	W of	Bacon	
n2			1.5	21.5

		22.98			
	500'	W of	Bacon		
NL			4,0	19.0	
b			10,3	12.7	
	550'	W of	Bacon		
SL			14,0	9.0	
b			11,2	11.8	
NL			2,8	20.2	
	575'	W of	Bacon		
NL			4,0	19.0	
b			0.0	23.0	Sand bone
TP	0,36	18.08	5,26	17.72	
	600'	W	E L of Abbot (60)		
NL			3,6	14.5	
b			5,0	13.1	
SL			11,3	6.8	
	W Line	of Abbot			
SL			11,2	5.9	
b			9,6	8.5	
NL			10,2	7.9	

POSTED

		18.08		Cafe Mag	
	50'	W of	Abbott		
NL			9,0	9.1	
b			9,0	9.1	
SL			9,4	8.7	
	100'	W of	Abbott		
SL			7,8	10.3	
b			6,7	11.4	
NL			7,3	10.8	
	125'	W of	Abbott		
b			2,0	16.1	
TP	0.73	18.44	5,37	12.71	250
	150'	W of	Abbott		
NL			0,7	13.7	
b			+2,0	15.4	
SL			1,3	12.1	
	200'	W of	Abbott		
SL			3,7	10.7	
b			2,8	10.6	
NL			3,8	9.6	

POSTED

1344

	250'	W of	Abbott	
nl			7,3	6.1
b			9,0	4.4
sl			10,2	3.2
	300'	W of	Abbott	
sl			11,2	2.2
b			10,8	2.6
nl			9,3	4.1
	350'	W of	Abbott	
nl			9,8	4.6
b			9,0	4.4
sl			9,0	4.4
	375'	W of	Abbott	
sl			7,0	6.4
b			6,7	6.7
nl			6,6	6.8
	400'	W of	Abbott	
nl			10,5	2.9
b			11,0	2.4
sl			11,0	2.4

1344 Lake Tray

	450'	W of	Abbott	
sl			11,7	1.7
b			11,7	1.7
nl			11,8	1.6
	500'	W of	Abbott	
nl			12,0	1.4
b			12,0	1.4
sl			11,7	2.7
	525'	W of	Abbot	POSTED sl
sl			12,3	1.1
b			12,0	1.4
nl			12,0	1.4
	550'	W of	Abbot	
nl			12,5	0.9
	600'	W of	Cave	
nl			13,5	-0.1
TP	10,38	11,94	11,88	1.56

Levels for Profile on Brighton (60')
Accum to 4750' W of Bac
11.94

	600'	W of	Abbott	
SL			11,0	0.9
b	POSTED		11,3	0.6
NL			11,0	0.9
	550'	W of	Abbott	
NL			11,7	0.2
b			11,6	0.3
SL			10,0	1.9
	500'	W of	Abbott	
SL			11,8	0.1
b			12,0	-0.1
NL			11,9	0.0
	450'	W of	Abbott	
NL			7,7	4.2
b			9,4	2.5
SL			8,6	3.3

11.94 Brighton

	400'	W of	Abbott	
SL			9,0	2.9
b			7,6	4.3
NL			8,9	3.0
	350'	W of	Abbott	
NL			2,2	9.7
b			3,6	8.3
SL			5,0	6.9
T.P	10.26	21.07	11.5	10.81
	300'	W of	Abbott	
SL			8,8	12.3
b			8,7	12.5
NL			7,0	14.1
	250'	W of	Abbott	
NL			5,0	16.1
b			5,2	15.9
SL			5,0	17.1

		21.07			
	200'	W of	Abbott		
SL			1.6	19.5	
b			3,0	18.1	
NL			3,5	17.6	
	150'	W of	Abbott		
NL			3,7	17.4	
b			2,1	19.0	
SL			1,2	19.9	
	100'	W of	Abbott		
SL			1,8	19.3	
b			1,5	19.6	
NL			1,8	19.3	
	50'	W of	Abbott		
NL			1,8	19.3	
b			1,7	19.4	
TP	3,55	23,99	0,63	20.94	
SL			2,2	21.8	

		23.99		Bright	
	WL of Abbott (60')				
SL			3,8	20.2	
b			6,3	17.7	
NL			8,0	16.0	
	EL of Abbott				
SL			5,00	19.0	
b			9,8	14.2	
NL			14,0	5.0	Bottom of Sand
	50'	E of	Abbott		
NL			14,0	5.0	
b			14,0	10.0	
SL			10,5	13.5	
	100'	E of	Abbott		
SL			10,0	13.4	
TP	1,00	13,69	11,80	12,19	
b			8,3	4.9	
NL			10,1	3.1	
	125'	E of	Abbott		
SL			10,0	3.2	End of Sand Slope

Profil of Bacon St (60')

	WL of	Santa	Monica	to S L	Saratoga
	5,41	12.75		7,34	BM
	S L	Saratoga			
EL			6,2	6.6	
b			6,0	6.8	
WL			4.6	8.2	
	50'	S of	Saratoga		
WL			+2.0	14.8	Edge of sand
b			5,8	7.0	
EL			5,9	6.9	
	100'	S of	Saratoga		
EL			5,6	7.2	
b			5,4	7.4	
WL			5,0	7.8	
	150'	S of	Saratoga		
WL			5,2	7.6	
b			5,0	7.8	
EL			5,2	7.6	

POSTED

		12.75		Bacon
	200'	S of	Saratoga	
EL			4,6	8.2
b			4,6	8.2
WL			4,7	8.1
	250'	S of	Saratoga	
WL			4,0	8.8
b			3,8	9.0
EL			4,0	8.8
	300'	S = W L of	Santa Monica	
EL			3,3	9.5
b			3,1	9.7
WL			3,4	9.4

POSTED

Crossection of Niagara (80')

	WL of 200	Guizot 1932.1	to EL	Frontier 1912.1
	WL	Guizot		
SL			3,8	189.4
bb			4,4	188.8
"			4,9	188.3
b			5,6	187.6
"			6,7	186.5
bb			7,2	186.0
NL			7,6	185.6
	50'	W of	Guizot	
NL			9,3	183.9
bb			8,4	183.8
"			8,0	185.2
b			7,4	185.8
"			6,6	186.6
bb			6,2	186.0
SL			5,6	187.6

POSTED

	1932.1		Niagara	
	100'	W of	Guizot	
SL			7,2	186.0
bb			7,8	185.4
"			8,1	185.1
b			8,7	184.5
"			9,2	184.0
bb			9,8	183.4
NL			10,3	182.9
	150'	W of	Guizot	
NL			11,4	181.8
bb			10,7	182.5
"			9,7	183.5
b			9,4	183.8
"			9,0	184.2
bb			8,7	184.5
SL			8,2	185.0

		19321		
	200'	w of	Guizot	
SL			8,8	184.4
bb			9,5	183.7
y			10,0	183.2
b			10,6	182.6
y			11,2	182.0
bb			11,9	182.3
NL			12,4	180.8
	250'	w of	Guizot	
NL			13,2	180.0
bb			12,6	180.6
y			11,9	181.3
b			11,2	182.0
y			10,5	182.7
bb			10,1	183.1
SL			9,2	184.0
TP	4,28	18658	10.91	182,30

		18658		Niagara
	300'	w of	Guizot	
SL			3,5	183.1
bb			3,8	182.8
y			4,3	182.3
b			5,0	181.6
y			5,7	180.9
bb			6,4	180.2
NL			7,2	179.4
	350'	w of	Guizot	
NL			9,0	177.6
bb			7,7	178.9
y			6,6	180.0
b			5,7	180.9
y			5,0	181.6
bb			4,2	182.4
SL			3,4	183.2

18658

	700'	w of	Guizot	
SL			4,3	182.3
bb			5,8	180.8
4			7,4	179.2
b			8,6	178.0
4			9,8	176.8
bb			11.0	175.6
NL			11,7	174.9
	450'	w of	Guizot	
NL			16.7	170.4
bb			15.0	171.6
4			13,8	172.8
b			12,2	174.4
4			12,0	174.6
bb			9,9	176.7
SL			9,9	176.7
TP	1,50	176,85	11.75	175.03

POSTED

17683

	480'	w of	Guizot	
SL			9,6	167.2
bb			8,2	168.6
4			7,8	169.0
b			7,7	169.1
4			8,8	168.0
bb			9,4	167.4
NL			11,0	165.8
	500'	w of	Guizot	
NL			15.6	161.2
bb			13,8	163.0
4			11,7	165.1
b			10,8	166.0
4			10,5	166.6
bb			7,9	168.9
SL			1.15	165.3

		176.83			
	510'	W of	Guizot		
SL			12,2	164.6	
bh			10,0	166.8	
y			12,3	164.5	
TP	1,50	166,26	12.07	164.76	
b			7,5	158.8	
y			7,4	158.9	
bh			7,6	158.7	
NL			8,3	158.0	
	550'	W of	Guizot		
NL			15,0	151.3	
bh			13,6	152.7	
y			11,5	154.8	
b			10,6	155.7	
y			10,2	156.1	
bh			9,0	157.3	
SL			8,2	158.1	
TP	2,37	153,81	12,82	153,44	SW 1+ magnet

		155.81			
	600'	W =	E L of	Fonds	(6th) (60')
SL			2,5	153.3	
bh			4,0	151.8	
y			5,1	150.7	
b			7,6	148.2	
y			9,0	147.8	
bh			10,7	145.1	
NL			13.5	142.3	SE bar magnet

POSTED

Profile of Del Monte (80)
Pueblo line to 100' W of Gauge

	8,85	184.81		175.96
	50' E of Pueblo line			
52			6,0	178.8
b			6,0	178.8
n2	65		3,3	181.5
	85' E of Pueblo			
n2			+3.0	189.8
	80' E of Pueblo			
b			+6,0	190,8
	95' E of Pueblo			
52			+5,0	189,8
b			+5,0	189,8

POSTED

78.63 BM on Voltan
Hub 20' S of Voltan at Mendocino
60.77 on SW bar of Bridge at Catalina
77.48 Stake 50' S of Voltan at San Clemente

167.54 − 167.54
8.85
176.39

167.54
8.42
175.96
8.85
184.81

Whitten
Xenophon
Yburgo
Zouch
Acton
Browning
Curtis
Durrant

6.92
1.50
8.42

191.21
2
193.21
1.81
181.30
4.28
186.58
1.25
175.33
1.50
176.83
1.07
164.76
1.50
166.26
12.82
153.44
2.37
155.81

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

For Single Track Embankment.

Roadway 14 feet wide. Side Slopes 1½ to 1.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	27
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.