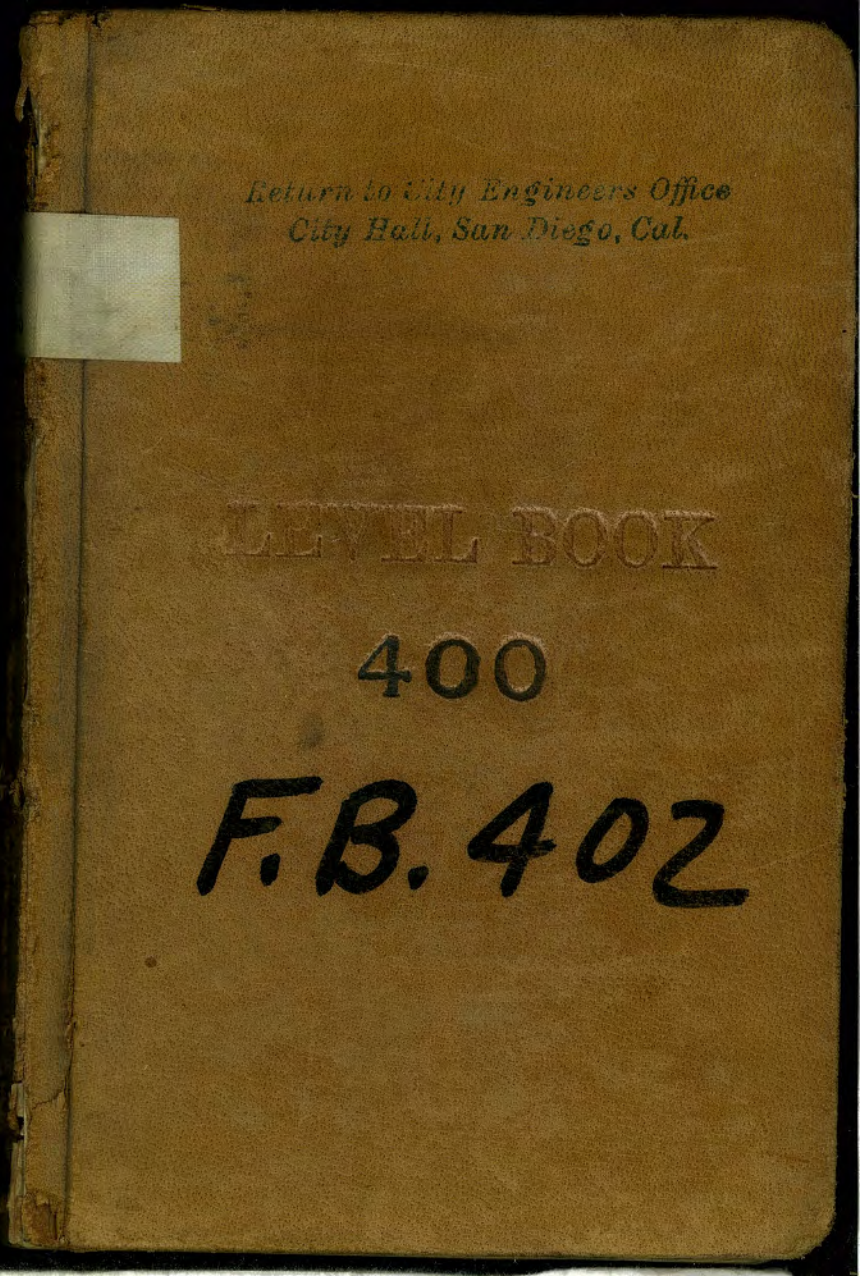

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LEVEL BOOK

400

F.B. 402

H. S. CROCKER COMPANY

DRAWING MATERIALS AND
SURVEYING INSTRUM[illegible]

SAN FRANCISCO

402

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.

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INSTRUCTIONS SEE PAGE 1964

	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	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	11
12	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	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	24.3	24.4	24.5	24.6	24.7	24.8	24.9	15
16	25.0	25.1	25.2	25.3	25.4	25.5	25.6	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	44.6	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

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

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FROM
Loring's Book Store

Clough Tudor Drango July 1 08

Crossection of Santa Barbara St (60)
Cape May to S of Ocean Beach

	880	168.33		159.33	BM NW Cape May Santa Barbara
	S Line of Cape May St				
WL			8.8	159.5	
bh			8.8	159.5	
"	POSTED		8.8	159.5	
b			8.8	159.5	
"			8.8	159.5	
bh			8.9	159.4	
EL			8.9	159.4	
	50'	S of	Cape May St		
EL			7.0	161.3	
bh			7.0	161.3	
"			7.0	161.3	
b			7.0	161.3	
"			7.0	161.3	
bh			7.0	161.3	
WL			7.0	161.3	

168.33 Santa Barbara

	100'	S of	Cape	May
WL			5.0	163.3
bh			4.8	163.5
"			4.8	163.5
b			4.9	163.4
"			5.0	163.3
bh			5.0	163.3
EL			4.8	163.5
	150'	S of	Cape	May St
EL			2.3	166.0
bh			2.2	166.1
"			2.2	166.1
b			1.9	166.4
"			2.2	166.1
bh			2.3	166.0
WL			2.7	165.6
TP	1061	177.68	1.26	167.07

		177.68		
	200'	S of	Cape May	
WL			8,9	168.8
bh			8,9	168.8
y			8,9	168.8
b			8,7	169.0
y			8,6	169.1
bh			8,6	169.1
EL			8,6	169.1
	250'	S of	Cape May st	
EL			5,4	172.3
bh			5,4	172.3
y			5,4	172.3
b			5,6	172.1
y			5,7	172.0
bh			5,7	172.0
WL			5,6	172.1

		177.68		Santa Barbara	
	300'	S = N L	of Saratoga st (80')		
WL			1,50	176.38 (15)	N E H
bh			1,6	176.1	
y			1,5	176.4	
b			1,8	175.9	
y			1,7	176.0	
bh			1,7	176.0	
EL			1,8	175.9	
TP	12,00	188.18	1,50	176.18	BM NE Saratoga
	S. Line of		Saratoga		
EL			5,4	182.8	
bh			5,2	183.0	
y			5,0	183.2	
b			5,0	183.2	
y			4,8	183.4	
bh			4,5	183.7	
WL			4,0	184.2	
TP	12,60	196.98	4,00	184,18	

		1967.8		
	50'	S of	Saratoga	
WR			8,3	188.5
bh			8,4	188.4
"			8,6	188.2
b			8,9	187.9
"			9,0	187.8
bh			9,2	187.6
EL			9,3	187.5
	100'	S of	Saratoga st	
EL			4,8	192.0
bh			4,8	192.0
"			4,8	192.0
b			4,5	192.3
"			4,6	192.2
bh			4,4	192.4
WR			4,4	192.4

		1967.8	Santa Barbara	
	150'	S of	Saratoga st	
WR			1,9	194.9
bh			1,7	195.1
"			1,6	195.2
b			1,6	195.2
"			1,7	195.1
bh			1,5	195.3
EL			1,5	195.3
TP	670	202.93	0.55	196.2
	200'	S of	Saratoga st	
EL			5,7	197.2
bh			5,8	197.1
"			5,9	197.0
b			6,0	196.9
"			6,2	196.7
bh			6,4	196.5
WR			6,6	196.3

20293

	250'	S of	Saratoga St	
WL			6,3	196.6
bb			6,0	196.9
y			5,7	197.2
b			5,5	197.4
y			5,1	197.8
bb			5,0	197.9
EL			4,8	198.1
	300'	S =	N Line + Santa Monica Blvd	
EL			4,7	198.2
bb			4,8	198.1
y			5,2	197.7
b			5,5	197.4
y			5,8	197.1
bb			6,0	196.9
WL			6,4	196.5

20293

Santa Barbara

	5 Line	of	Santa	Monica
WL			6,8	196.1
bb			6,2	196.7
y			6,0	196.9
b			5,5	197.4
y			5,0	197.9
bb			4,8	198.1
EL			4,47	198.46
	50'	S of	Santa	Monica St
EL			4,7	198.5
bb			5,0	197.9
y			5,5	197.4
b			5,9	197.0
y			6,2	196.7
bb			6,6	196.3
WL			7,0	195.9

SE H
Santa Monica

20293

	100'	S of	Santa Monica	
WL			8.1	194.8
bl			6.8	196.1
y			6.1	196.8
b			5.6	197.3
y			5.0	197.9
bl			4.7	198.2
EL			4.5	198.4
TP	1.5	200.65	3.80	199.13

	150'	S of	Santa Monica
EL			1.9 198.8
bl			2.9 197.8
y			4.0 196.7
b			5.3 195.3
y			6.2 194.5
bl			7.5 193.2
WL			9.1 191.6

200.65

Santa Barbara

	175'	S of	Santa	Monica
WL			10.4	190.3
bl			9.6	191.1
y			8.8	191.9
b			7.6	193.1
y			5.8	194.9
bl			4.4	196.3
EL			3.7	197.0

	200'	S of	Santa	Monica
EL			3.0	195.7
bl			6.5	194.2
y			8.0	192.7
b			9.0	191.7
y			10.2	190.5
bl			11.1	189.6
WL			11.7	189.0

		200.65		
	225'	S of	Santa	Monica
WL			12,0	188.7
bl			11,3	189.4
"			10,6	190.1
b			9,6	191.1
"			8,6	192.1
bl			7,0	193.7
EL			4,8	195.9
	250'	S of	Santa	Barbara
EL			4,6	196.1
bl			5,6	195.1
"			7,0	193.7
b			8,0	192.7
"			9,8	191.7
bl			9,6	191.1
WL			10,3	190.4

		200.65		Santa Barbara	
	300'	S = NL of Newport (80')			
WL			8,8	191.9	
bl			8,2	192.5	
"			7,5	193.2	
b			6,9	193.8	
"			6,3	194.4	
bl			5,6	195.1	
EL			5,2	195.5	
	S Lin	of	Newport st		
EL			4,2	196.5	
bl			4,6	196.1	
"			5,6	195.1	
b			6,5	194.2	
"			7,4	193.3	
bl			7,9	192.8	
WL	78,3	199.94	8,54	192.11	SWA Newport

1994

	30'	S of	Newport	
M			6.7	193.2
bl			6.6	193.3
y			6.5	193.4
b			6.1	193.8
y			5.6	194.3
bl			5.1	194.8
R			4.7	195.2

	760'	S of	Newport	
R			5.5	194.4
bl			5.6	194.3
y			5.8	194.1
b			5.9	194.0
y			5.9	194.0
bl			5.9	194.0
M			6.0	193.9

1994

Santa Barbara

	150'	S of	Newport	
M			6.1	193.8
bl			5.7	194.2
y			5.4	194.5
b			5.1	194.8
y			4.8	195.1
bl			4.9	195.0
R			5.2	194.7

	125'	S of	Newport	
R			4.3	195.6
bl			4.0	195.9
y			4.9	195.0
b			5.4	194.5
y			5.7	194.2
bl			6.2	193.7
M			6.7	193.2

	150'	S of	Newport		
WL			6.9	193.0	
bh			6.8	193.1	
y			6.2	193.7	
b			5.2	194.3	
y			5.0	194.9	
bh			4.6	195.3	
EL			4.0	195.9	
	200'	S of	Newport		
EL			4.5	195.4	
bh			4.9	195.0	
y			5.4	194.5	
b			6.0	193.9	
y			6.6	193.3	
bh			6.8	193.1	
WL			7.1	192.8	

			Newport	Santa Barbara	
	250'	S of			
WL			5.5	194.4	
bh			5.3	194.6	
y			5.1	194.8	
b			5.0	194.9	
y			4.6	195.3	
bh			4.3	195.6	
EL			4.1	195.8	
	300'	S = of	Niagara		
EL			2.5	197.4	
bh			2.7	197.2	
			2.9	197.0	
b			3.1	196.9	
			3.4	196.6	
			3.6	196.3	
				196.34	Niagara
WL			3.6		
TP	1145'	207.79	3.60	196.34	

		207.79		
	Sitin of		Niagara	
Wh			8,0	199.8
bh			8,0	199.8
y			7,7	200,1
b			7,7	2001
y			7,5	2003
bh			7,4	200.4
Eh			7,2	200,6
	50'	S of	Niagara	
Eh			3,9	203.9
bh			3,7	204,1
y			3,7	204,1
b			4,0	203.8
y			3,8	204.0
bh			3,8	204.0
Wh			3,8	204,0
	10,28	217.21	0,86	206.93

		217.21		Santa Barbara
	100'	S of	Niagara	
Wh			9,9	207.3
bh			9,7	207.5
y			9,4	207.8
b			9,3	207.9
y			9,3	207.9
bh			9,2	208.0
Eh			9,1	208.1
	150'	S of	Niagara	
Eh			6,6	210.6
bh			6,7	210.5
y			6,8	210.4
b			6,9	210.3
y			7,1	210.1
bh			7,2	210.0
Wh			7,4	209.8

		217.21			
	200'	S of	Niagara		
Wl			5,1	212.1	✓
bl			4,9	212.3	
"			4,8	212.4	
b			4,5	212.7	
"			4,4	212.8	
bl			4,2	213.0	
El			4,3	212.9	✓
	250'	S of	Niagara		
El			1,8	215.4	✓
bl			1,9	215.3	
"			2,0	215.2	
b			2,2	215.0	
"			2,3	214.9	
bl			2,6	214.6	
Wl			2,7	214.5	✓
TP	10,57	227,38	0,40	216,81	

		227,38		Santa Barbara	
	300'	S = N S of	Narragansett (80')		
Wl			10,6	216.8	
bl			10,3	217.1	
"			10,1	217.3	
b			10,0	217.4	
"			9,6	217.8	
bl			9,4	218.0	
El			9,3	218.1	
	S. Line	of	Narragansett		
El			5,97	221,39	Bm & SE Narragansett
bl			6,2	221.2	
"			6,2	221.2	
b			6,4	221.0	
"			6,7	220.7	
bl			6,8	220.6	
Wl			7,0	220.2	

Santa Barbara

	50'	S of	Narragansett	
WL			4.9	222.√
bl			4.6	222.8
y			4.5	222.9
l			4.2	223.2
y			3.9	223.√
bl			3.8	223.6
EL			3.6	223.8
	100'	S of	Narragansett	
EL			1.√	226.2
bl			1.6	22√.8
y			1.7	22√.7
l			2.0	22√.4
y			2.4	22√.0
bl			2.4	22√.0
WL			2.6	224.8
TP	11.13	23813	0.38	224.0

23813

	150'	S of	Narragansett	
WL			10.6	227.√
bl			10.4	227.7
y			10.4	228.1
l			9.6	228.√
y			9.2	228.8
bl			9.1	229.0
EL			9.0	229.1
	200'	S of	Narragansett	
EL			6.0	232.1
bl			6.2	231.9
y			6.4	231.7
l			6.6	231.√
y			6.9	231.2
bl			7.4	230.7
WL			7.5	230.6

		23813			
	250'	S of	Narragansett		
WR			4,4	233.7	
bh			4,0	234.1	
y			3,4	234.7	
b			3,0	235.1	
y			3,2	234.9	
bh			2,7	235.4	
ER			2,5	235.6	
TP	11,47	24827	1,33	236.80	Bm H n w H Del Monte
	300'	S = NR	of Del Monte (80')		
ER			9,8	238.5	
bh			9,9	238.4	
y			10,0	238.3	
b			10,5	237.8	
y			10,8	237.5	
bh			11,1	237.2	
WR			11,5	236.8	

		24827		Santa Barbara	
	S Line of		Del Monte		
WR			6,6	241.7	
bh			6,0	242.3	
y			5,8	242.5	
b			5,6	242.7	
y			5,3	243.0	
bh			5,1	243.2	
ER			4,8	243.5	
	50'	S of	Del Monte		
ER			1,8	246.5	
bh			1,8	246.5	
y			2,0	246.3	
b			2,2	246.1	
y			2,7	245.6	
bh			3,4	245.2	
WR			3,3	245.0	
TP	10,77	25612	2,92	245.35	

		256.12		
	100'	S of	Del Monte	
WL			7,4	248.7
bl			6,9	249.2
y			6,7	249.4
l			6,6	249.5
y			6,3	249.7
bl			6,4	249.7
EL			6,7	249.4
	150'	S of	Del Monte	
EL			7,1	252.0
bl			3,8	252.3
y			3,6	252.5
l			3,6	252.5
y			3,6	252.5
bl			3,6	352.5
WL			3,6	352.5
TP	8,98	262.64	2,46	255.66

		262.64		Santa Barbara
	200'	S of	Del Monte	
WL			7,3	255.3
bl			7,3	255.3
y			7,5	255.1
l			7,7	254.9
y			7,9	254.7
bl			8,4	254.2
EL			8,8	253.8
	250'	S of	Del Monte	
EL			7,8	254.8
bl			7,0	255.6
y			6,6	256.0
l			6,1	256.5
y			5,5	257.1
bl			5,4	257.2
WL			5,1	257.5

		262.64			
	300' S = N Line of Santa Cruz (50')				
WL			4,2	258.4	
bl			4,6	258.0	
y			4,9	257.7	
b			5,5	257.1	
y			6,2	256.4	
bl			6,7	255.9	
EL			7,4	255.2	
	S Line of Santa Cruz				
EL			8,4	254.2	
bl			7,8	254.8	
y			7,2	255.4	
b			7,1	255.6	
y			6,0	256.6	
bl			5,7	256.9	
WL			5,6	257.0	
Bm			5,64	257.10	SW H Santa Cruz

		262.64		Santa Barbara	
	50'	S of	Santa	Cruz	
WL			7,5	255.1	
			7,8	254.8	
y			8,3	254.3	
b			8,7	253.9	
y			9,3	253.3	
bl			9,8	252.8	
EL			10,2	252.4	
TP	347	256.10	10.01	252.63	
EL	100'	S of	Santa	Cruz	
EL			6,1	250.0	
bl			5,7	250.4	
y			5,4	250.7	
b			5,0	251.1	
y			4,6	251.5	
bl			4,0	252.1	
WL			3,8	252.3	

25610

	150'	S of	Santa	Cruz
W2			6,8	249.3
			7,1	249.0
y			7,4	248.7
b			7,8	248.3
y			8,3	247.8
bl			8,6	247.5
E2			9,0	247.1
	200'	S of	Santa	Cruz
E2			12,0	244.1
bl			11,5	244.6
y			11,2	244.9
b			10,7	245.4
y			10,2	245.9
bl			9,9	246.2
W2			9,7	246.4
TP	2,95	24763	11,42	24468

24763

Santa Barbara

	250'	S of	Santa	Cruz
W2			3,4	244.2
bl			3,8	243.8
y			4,4	243.2
b			4,7	242.9
y			5,2	242.4
bl			5,6	242.0
E2			5,9	241.7
	300'	S = 242	Pacific	(80)
E2			7,5	240.1
bl			7,0	240.6
y			6,6	241.0
b			6,1	241.5
y			5,6	242.0
bl			5,1	242.5
			4,7	242.9
Bm			4,85	242.78

24763

S line of Pacific ave

W2			5,0	242.6
bl			5,4	242.2
4			6,0	241.6
6			6,6	241.0
4			7,2	240.4
bl			7,5-	240.1
E2			8,2	239.4

50' S of Pacific

E2			8,0	239.6
bl			7,5-	240.1
4			6,8	240.8
6			6,0-	241.6
4			5,4	242.2
bl			4,8	242.8
W2			4,2	243.4

24763

Santa Barbara

100' S of Pacific

W2			3,2	244.4
bl			3,8	243.7
4			4,5	243.1
6			5,5	242.1
4			6,2	241.4
bl			6,6	241.0
E2			7,1	240.5
TP	12,36	254,43	5,56	242,07

POSTED

150' S of Pacific

E2			12,7	241.7
bl			12,1	242.3
4			11,6	242.8
6			10,7	243.7
4			10,0	244.4
bl			9,2	245.2
W2			8,5-	245.9

		25443		
	200'	S of	Pacific	
Wh			6,5	247.9
bh			7,1	247,3
y			7,8	246,6
b			8,7	245.7
y			9,7	244,7
bh			10,3	244.1
Eh			10,9	243.5
	250'	S of	Pacific	
Eh			8,9	245.5
bh			8,2	246.2
y			7,6	246.8
b			6,8	247.6
y			6,0	248,4
bh			5,5	248.9
Wh			4,5	249.9

		25443		Santa Barbara	
	300'	S =	N of	Del Mar (80')	
Wh			2,42	252.0	
bh			3,00	251.4	
y			4,0	250,4	
b			4,7	249.7	
y			5,4	249.0	
bh			6,0	248.4	
Eh			6,9	247.5	NW ++
TP	10,40	26241	2,42	252.01	Del Mar
"	Shore of		Del Mar		
Wh			7,1	255.3	X
bh			7,8	254.6	
y			8,5	253.9	
b			9,4	253.0	
y			10,1	252.3	
bh			10,8	251.6	
Eh			11,5	250.9	

L6241

	50'	S of	Del Mar	
E2			9,6	2√2.8
bl			9,0	2√3.4
y			8,1	2√4.3
l			7,7	2√4.7
y			6,8	2√√.6
bl			6,0	2√6,4
WL			5,4	2√7.0
	100'	S of	Del Mar	
WL			4,0	2√8.4
bl			4,9	2√7.√
y			5.6	2√6.8
l			6,4	2√6,3
y			6,9	2√√.√
bl			7,6	2√4.8
E2			8,1	2√4,3

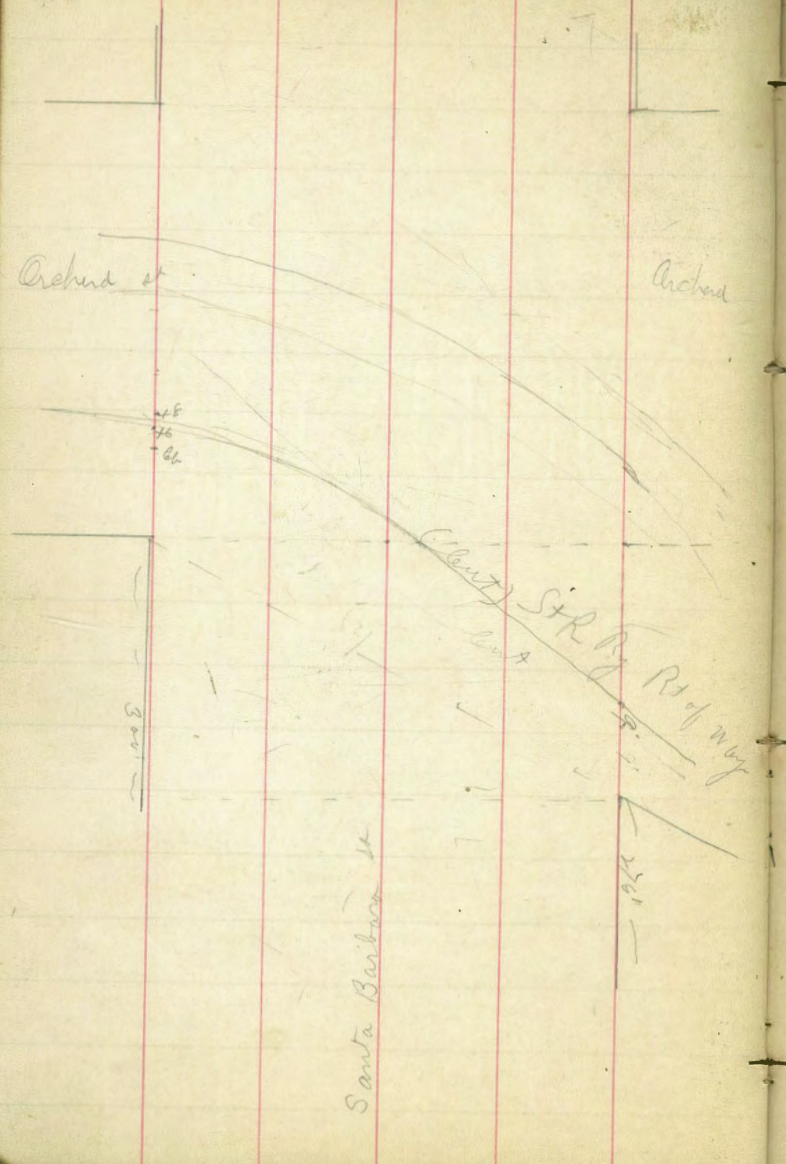
Santa Barbara

L6241

	150'	S of	Del Mar	
E2			6.8	2√√.6
bl			6,2	2√6,2
y			5,6	2√6.8
l			5,1	2√7.3
y			4,2	2√8,2
bl			3,3	2√9.1
WL			3,0	2√9.4
	200'	S of	Del Mar	
WL			2,4	260.0
bl			2,8	2√9.6
y			3,7	2√8.7
l			4,3	2√8,1
y			5,1	2√7.3
bl			5,5	2√6.9
E2			5,6	2√6.8
TP	2,64	2√9.89	5,16	2√7.25

		25989			
	250'	S of	Del Mar		
EL			2,8	257.1	
bl			2,2	257.7	
y			1,6	258.3	
b			1,3	258,6	
y			2,0	257.9	
bl			3,0	256.9	
WL			3,4	256,5	
	276'	S = NL of RR	R of W	on WL	
WL			4,8	255,1	
bl			4,2	255.7	
y			4,3	255.6	
b			2,2	257.7	X
y			2,0	257.9	
bl			2,3	257.6	
EL			2,7	257.2	

		25989		Santa Barbara	
	300'	S = on E Line	N Line	Archerd 80'	
EL			3,4	256.5	
bl			3,5	256,4	
y			3,6	256,3	
b			4,0	255,9	
y			5,0	254,9	
bl			4,6	255,3	
WL = 276 on W Line			4,8	255,1	
	285'	S of	Del Mar		
WL			5,4	254,5	
	286'	S of	Del Mar		
WL			8,7	251,2	
	300'	S of Del Mar = N S Archerd v 80			
WL			9,0	250.9	
bl			9,0	250,9	
y			9,0	250,9	
+2'			5,8	254.1	
b			5,1	254.8	
y			4,1	255,8	
bl			2,9	256.0	
WL			3,4	256,5	



25969 Santa Barbara

BM	562	25296	1255	24734
	10' S of N Line of Orchard			
WL			2.2	250.8
	N Cb of Orchard st			
WL			0.7	252.3
+6'				
Cb			0.8	252.2
			2.5	250.5
"			2.5	250.5
C			2.5	250.5
"			2.8	250.2
+4			+1.5	254.5
Cb			+2.5	255.5
EL			+2.5	255.5
	20' S of N L of Orchard			
EL			+2.0	255.00
	22' S of N L of Orchard			
EL			3.4	249.6

		252.96		
	N 1/4	of	Orchard st	
EL			3,4	249.6
bb			3,0	250.0
y			2,8	250.2
b			2,6	250.4
+1.1			1,0	252.0
y			0,7	252.3
bb			1,0	252.0
WL			1,3	251.7
	Center	of	Orchard	
WL			2,0	251.0
bb			1,8	251.2
y			1,3	251.7
b			1,2	251.8
y			1,2	251.8
bb			1,2	251.8
+8			3,0	250.0
EL			3.4	249.6
	1' S	of	Center of Orchard	
EL			1.8	251.2

		252.96		Santa Barbara
	S'ly	of	Orchard	
EL			0,2	252.8
bb			0.9	252.1
y			1,3	251.7
b			2,1	250.9
y			2,5	250.5
bb			2,3	250.7
WL			3,0	250.0
	S bb	of	Orchard	
WL			4.1	248.9
bb			3,5	249.5
y			3,2	249.8
b			2,6	250.4
y			1,6	251.4
bb			1,2	251.8
EL			0,8	252.2

POSTED

25-2.96

	S Line of	Arched		
E2		1,3	2V1.7	
bk		1,7	2V1.3	
4		2,0	2V1.0	
6		2,6	2V0.4	
2		3,4	249.6	
bk		4,3	248.7	
M2		5-6	247.4	
	54'	S of	Arched	
M2		1,5-	242.V	
bk		7,2	24V.8	
4		6,0	247.0	
6		5,8	247.2	
2		5-6	247.4	
bk		5,0	248.0	
E2		4,6	248.4	

25-2.96 Santa Barbara

	160	S of	Arched	
E2			18,5	244.V
bk			10,2	242.7
4			11,3	241.7
6			12,4	240.6
TP	9.59	241.39	12,2	240.80
4			4,2	239.2
bk			3,0	2384
M2			5,8	23V.6
	125'	S of	Arched	
M2			5,2	23V.8
bk			3,9	237.V
2			2,9	238.V
6			2,1	239.3
4			1,2	240.2
bk			0,2	241.2
E2			40,8	242.2

24139

	150'	S of	Orchard	
El			2,6	238.8
bl			3,2	238.2
y			3,8	237.6
b			4,7	236.7
y			5,3	236.1
bl			6,3	235.1
Wl			7,3	234.1
	175'	S of	Orchard	
Wl			10,4	231.4
bl			9,3	232.1
y			7,6	233.8
b			6,6	234.8
y			5,6	235.8
bl			5,0	236.4
El			3,8	237.6

Santa Barbara

24139

	200	S of	Orchard	
El			2.8	238.6
bl			3,1	238.3
y			4,3	237.1
b			5,4	235.9
y			7,1	234.3
bl			8,8	232.6
Wl			10,7	230.7
	225'	S of	Orchard	
Wl			9,9	231.5
bl			7,8	233.6
y			6,7	234.7
b			5,7	235.7
y			5,0	236.4
bl			2,81	237.6
El			3,1	238.3

24139

	250'	S of	Archer	
E2			3.7	237.7
11			4.9	236.5
7			5.4	236.0
6			5.7	235.7
4			6.6	234.8
11			7.8	233.6
W2			9.0	232.4
	275	S of	Archer	
W2			9.4	232.0
11			8.4	233.0
4			7.7	233.7
6			7.5	234.2
4			6.7	234.7
11			6.0	235.4
E2			5.5	235.9

24139

	300'	S =	n d g	Santa Barbara St (80')
E2			8.1	233.3
11			8.8	232.6
4			9.6	231.8
6			10.5	230.9
4			11.2	230.2
11			12.0	229.4
W2			11.9	229.5
	n 11 of	Pescadero	at	
W2			13.0	228.4
11			12.6	228.8
7			11.9	229.5
6			11.1	230.3
4			10.1	231.3
11			9.7	231.7
E2			9.3	232.1

POSTED

Santa Barbara

24139

N ¼ of Pescadero

E2			10.7	230.7
M			11.3	230.1
4			11.8	229.6
1			12.6	228.8
4			13.0	228.4
M			13.8	227.6
W2			14.6	226.8

Center of Pescadero

W2			15.6	225.8
M			13.0	226.4
4			13.8	227.6
1			13.6	227.8
4			13.0	228.4
M			12.4	229.0
E2			12.0	229.4
TP	0.82	23036	11.85	229.54

23036

S ¼ of Pescadero

E2			2.3	228.1
M			2.8	227.6
4			3.2	227.2
1			4.0	226.4
4			3.2	225.2
M			6.0	224.4
W2			6.2	224.2

Sec of Pescadero

W2			6.8	223.6
M			6.2	224.2
4			5.5	224.9
1			5.0	225.4
4			4.5	225.9
M			4.0	226.4
E2			3.8	226.6

		23036		
	S Line of		Pescadero st	
EL			5,2	225.2
bl			5,4	225.0
"			5,8	224.6
b			6,0	224.4
"			6,5	223.9
bl			7,2	223.2
WL			7,8	222.6
	50'	S of	Pescadero	
WL			13,0	217.4
bl			12,1	218.3
"			11,2	219.2
b			10,5	219.9
"			9,9	220.5
bl			9,5	220.9
EL			9,6	220.8
TP	1,73	22270	9,39	220,97

		22270		Santa Barbara
	100'	S of	Pescadero	
EL			5,2	217.5
bl			5,5	217.2
"			6,3	216.4
b			7,0	215.7
"			7,5	215.2
bl			8,4	214.3
WL			9,2	213.5
TP	3,66	220.11	6,25	216.45
	150'	S of	Pescadero st	
EL			4,5	215.6
bl			5,4	214.7
"			6,2	213.9
b			7,3	212.8
"			8,4	211.7
bl			9,5	210.6
WL			10,0	210.1

POSTED

22011

	200'	S of	Pescadero		
WR			10,8	209.3	
bk			9,50	210.6	
y			8,5-	211.6	
L			7,3	212.8	
y			6,2	213.9	
bk			5,7	214.4	
EL			5,2	214.9	
TP	1,02	21672	4,41	215.70	
	250'	S of	Pescadero at		
EL			2,5-	213.2	
bk			4,4	212.3	
y			5,2	211.1	
b			6,2	210.5	
	300'	S =	N end Bermuda	25 (80')	
EL			6,0	210.7	
bk			6.8	209.9	

21672

Santa Barbara

	N bk of		Bermuda		
EL			6,5-	210.2	
bk			7,3	209.4	
	N 1/4 of		Bermuda		
EL			6,9	209.8	
TP	308	21307	6,73	209.99	
	250'	S of	Pescadero		
WR			5,1	208.0	
bk			3,9	209.2	
y			3,2	209.9	
	300'	S =	N 2 of	Bermuda (80')	
WR			8,0	205.1	
bk			6,5	206.6	
y			5,5-	207.6	
L			4,1	209.0	
y			3,6	209.5	

21307

N bb of Bermuda

M2	8,8	204.3
bb	6,8	206.3
y	6,2	206.9
b	5,4	207.7
y	4,8	208.3

N 1/4 of Bermuda

M2	9,4	203.7
bb	8,4	204.7
y	7,1	206.0
b	6,5	206.6
y	5,2	207.9
bb	4,5	208.6

Center of Bermuda

E2	4,0	209.1
bb	5,0	208.1
y	6,4	206.7
b	7,5	205.6
y	8,8	204.3
bb	9,1	204.0
M2	10,4	202.7

Santa Barbara

21307

S 1/4 of Bermuda

M2	11,2	201.9
bb	9,2	203.8
y	9,1	204.0
b	7,4	205.7
y	7,2	205.9
bb	6,2	206.9
E2	4,6	208.5

S bb of Bermuda

E2	4,7	208.4
bb	6,3	206.8
y	8,0	205.1
b	9,3	203.8
y	10,1	203.0
bb	11,1	202.0
M2	12,0	201.1

POSTED

		213.07			
	S Line of		Bermuda		
Wl			13,3	199.8	S W to Bermuda
bh			11,8	201.3	
y			10,8	202.3	
b			10,2	202.9	
y			8,5	204.6	
bh			7,1	206.0	
El			5,5	207.6	
Tp	3,04	206.07	10,04	203.03	
	50'	S of	Bermuda		
El			0,2	205.9	
bh			2,0	204.1	
y			3,0	203.1	
b			4,5	201.8	
y			6,1	200.0	
bh			7,8	198.3	
Wl			9,4	196.7	

		206.07		Santo	Barbara
	100'	S of	Bermuda		
Wl			11,5	194.6	
bh			10,2	195.9	
y			8,6	197.5	
b			7,4	198.7	
y			6,3	199.8	
bh			4,8	201.3	
El			3,5	202.6	
	150'	S of	Bermuda		
El			6,4	199.7	
bh			7,5	198.6	
y			9,1	197.0	
b			10,4	195.7	
y			11,7	194.4	
bh			12,7	193.4	
Wl			14,2	192.9	
Tp	5,59	199.03	12,63	193.44	

199.03

	200'	S of	Bermuda	
WL			9,7	189.3
bh			7,7	191.3
y			6,2	192.8
b			4,8	194.2
y			3,8	195.2
bh			2,4	196.6
EL			1,2	197.8
	250'	S of	Bermuda	
EL			2,3	196.7
bh			3,9	195.1
y			5,2	193.8
b			6,1	192.9
y			7,7	191.3
bh			9,3	189.7
WL			10,2	188.8

POSTED

199.03 Santa Barbara

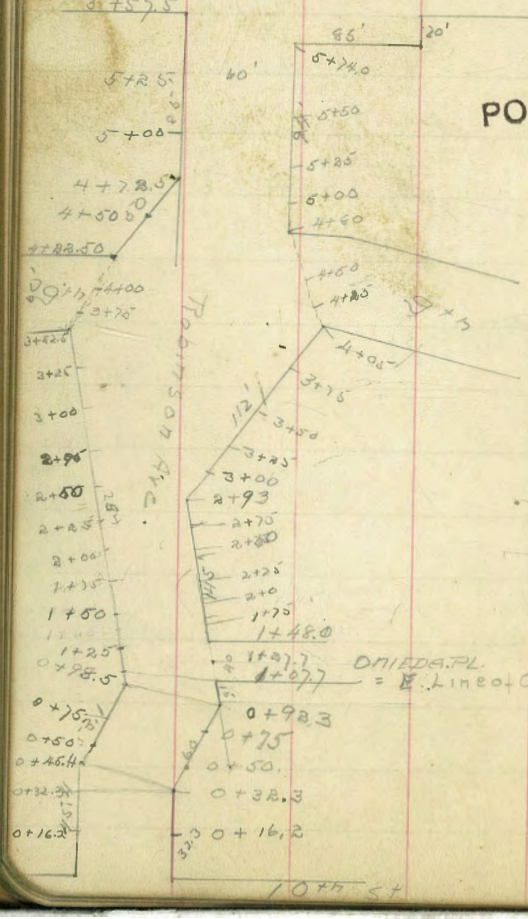
	284'	S = N L Point Loma = S L Ocean Beach		
WL			11,3	187.7
bh			9,7	189.3
y			8,5	190.5
b			7,2	191.8
y			6,0	193.0
bh			4,4	194.6
EL			3,4	195.6

POSTED

B.M. Brass plug N.W. Cor Sixth & Robinson

285.506.

8th St



Xsections Robinson Ave 10th to 8th

				285.51
T.P.	1.05	286.56	9.65	276.91
T.P.	2.98	279.89	6.94	272.95
T.P.	0.40	273.35	12.83	260.52
T.P.	0.30	260.82	12.25	248.57
T.P.	11.65	260.42	0.90	259.52
T.P.	12.99	272.51	0.74	271.77

0+00 = W.P.L. of 10th St

N.P.L.	11.49	283.26	2.80	280.5
10'S			2.50	
20' "			3.00	
30' "			3.00	
40			2.90	
60			3.20	
60-S.P.L			3.00	280.3

POSTED

— 0 + 16.2 —

S.P.L.	283.26	3.90	279.4
10 N		3.80	
20		3.60	
30		3.80	
40		3.50	
50		3.10	
60 ± N.P.L.		3.00	280.3

0 + 32.3

N.P.L.		3.60	279.7
10		3.80	
20		4.30	
30		4.80	
40		4.30	
50		4.20	
60		3.80	279.5

On Line from 0+32.3 on N to 0+45.4 on S.

S.P.L.	283.26	4.70	278.6
10' N		4.80	
20		4.70	
30		5.00	
40		5.20	
50		3.90	
62± N.P.L.		3.60	279.7

0 + 50

N.P.L.		3.60	279.7
10'		4.30	
20'		4.50	
30		7.10	
40		5.80	
50		5.30	
60		4.60	
66± S.P.L.		3.90	279.4

0+78

S.P.L.		283.26	4.70	278.6
10			5.90	
20			8.30	
30			9.20	
40			10.40	
43'			7.50	
50'			5.40	
60'			4.40	
66' N.P.L.			4.00	279.3

on Line from 0+92.3 on N. to 0+98.5 on S.

N.P.L.			5.50	277.8
10' S			9.70	
25'			10.50	
20'			14.10	
30'			12.30	
40			12.40	
50			10.30	
68 ± S.P.L.			7.40	275.9

on Line from 0+98.5 on S. to 1+07.7 on N.

S.P.L.		283.26	7.40	275.9
10' N			11.80	
20' "			14.50	
30' "			13.60	
40' "			14.60	
50' "			16.00	
N.P.L.			12.60	270.7

on Line from 1+87.7 on N. to 1+85 on S. [87.7]

N.P.L.	0.17	271.94	4.40	267.5
4' S			6.60	
10'			6.10	
20'			6.30	
30'			11.60	
40'			9.40	
50'			7.00	
S.P.L.			3.40	268.5

on Line from -1+25 on S to 1+48 on N

S.P.L.		271.94	3.40	268.✓
10' N			8.40	
20'			12.00	
30'			13.80	
42' N			8.00	
50'			8.70	
N.P.L.			4.70	267.2

on Line from 1+63 on N to 1+80 on S.

N.P.L.			6.20	265.7
10' S			11.00	
19' S			10.40	
30'			15.30	
37'			17.50	
40			16.30	
50			13.60	
S.P.L.			10.40	261.✓
T.P.			12.31	259.63

on Line from 1+75 on S to 1+88 on N.

S.P.L.		271.94	15.70	256.2
10' N	0.36	259.99	7.80	
20' N			8.30	
26'			10.40	
30'		271.94	15.20	
40'			13.80	
50'			15.40	
N.P.L.			6.70	263.2

on Line from 2+13 on N to 2+00 on S.

N.P.L.			10.80	261.1
5' S			12.30	
12'			17.60	
20'			17.20	
30'		259.99	9.50	
40			12.70	
50			10.10	
S.P.L.			6.20	253.8

on Line from 2+25 on S to 2+35 on N

S.P.L.		259.99	9.20	2v0.8
~~10~~ 5'			12.40	
~~20~~ 15'			15.50	
~~30~~ 25'			10.60	
~~40~~ 35'			9.30	
~~50~~ 42'			9.10	
~~50~~ 48' N		271.94	16.50	
N.P.L.			13.10	2v8.8

on Line from 2+63 on N to 2+50 on S.

N.P.L.			17.50	2v4.4
9' S		259.99	8.70	
15'			14.30	
20'			13.50	
29'			13.40	
40'			18.70	
50'			15.70	
57' S.P.L.			13.76	246.3
T.P.			12.37	247.62

on Line from 2+88 on N. to 2+75 on S.

N.P.L.		259.99	12.00	248.0
7'-5			13.40	
15'	1.01	248.63	6.40	
30'			6.60	
40'			10.60	
55' S.P.L.			5.50	243.1

on Line from 3+00 on S. to 2+93 on N.

S.P.L.			10.60	238.0
16' N			13.60	
32' N			8.70	
44'			8.00	
51'			4.60	
59 N.P.L.			2.40	246.2

on Line from 3+00 on N to 3+25 on S.

N. P.L	248.63	1.80	246.8
12' S		5.40	
24' S		9.50	
40' S		10.50	
52' S		16.90	
60' S		16.90	
77± S.P.L		17.40	231.2

POSTED

on Line from 3+25 on S. to 3+00 on N.

S.P.L.		17.30	231.3
20' N		16.70	
34' N		16.30	
45' N		16.60	
50' N.		11.40	
60' N.		10.80	
64' N		13.70	
68'		10.70	
83		6.80	
94 N.P.L.		1.80	246.8

on Line from 3+25 on N to 3+75 on S.

N.P.L.	248.63	1.50	247.1
16' S		7.00	
30' S		11.50	
50' S		16.20	
60'		14.20	
71'		10.70	
93'		9.70	
105±S.P.L.		10.40	238.2

on Line from 4+00 on S to 3+50 on N.

S.P.L.		7.70	240.9
16' N		7.50	
23' N		8.20	
31' N		11.60	
50' N.		14.10	
58' N		14.60	
60' N		16.30	
65' N		14.60	234.0 x

on L from 1+00 on S to 3+50 on N Contd

82' N of S.P.L.		248.63	11.10	
100' N			6.60	
108' N			3.00	
118± N.P.L.			0.00	248.6
T.P.			0.00	248.63

on Line from 3+75 on N to 4+22.5 on S.

N.P.L.	12.88	261.51	11.80	249.7
10' S		248.63	2.60	
25' "			7.00	
40'			10.80	
51'			13.80	
63'			15.60	
66'			14.00	
88'			9.00	
98'			4.70	
108'			6.50	
116'		266.87	18.30	
125± S.P.L.			15.20	2√1.7
		261.51	0.38	261.13
	5.74	266.87		

on Line from 4+50 on S to 4+05 on N. 135±

S.P.L.		266.87	8.60	2√8.3
14' N			13.40	
20' N		248.63	1.60	
33'			0.80	
50' N			7.00	
66' N			13.40	
82' N			12.60	
98' N			8.50	
115' N			5.40	
128'			1.20	
135± N.P.L.		261.51	12.80	248.7

on Line from 4+85 on N to 4+72.50 [110±]

N.P.L.		248.63	6.70	241.9
20' S			10.50	
35'			13.00	
50'			12.20	
70			3.60	

4+25 on N to 4+2.50 on S. cont'd

80' S	248.63	1.00	
26' N of S.P.L.	266.87	16.60	
12' " " " "		16.60	
10' N of S.P.L.		10.70	
S.P.L.		6.10	260.8

from 4+2.5 on S. to 4+50 N. 90±

S.P.L.		6.10	260.8
10' N		10.60	
12' N		16.70	
26' N		16.40	
33' N	248.63	0.80	
51' N		7.00	
65' N		13.30	
15		12.60	
N.P.L.		12.20	236.4

on Line from 4+80 on N to 4+2.50 on S. 68±

N.P.L.	248.63	11.70	236.9
20' S		6.50	
33' S		1.40	
38' S	266.87	16.90	
52		16.40	
55'		10.40	
S.P.L.		6.10	260.8

on Line from 4+2.2 on S. to 5+00 on N 64±

N.P.L.	248.63	8.80	239.8
20' S		2.60	
	266.87		
27'		19.30	
35'		15.10	
48		16.20	
50'		9.80	
S.P.L.		6.10	260.8
T.P.		12.70	254.17
189	256.06		

on Line from 5+00 on S to 5+26 on N. 60=

S.T.P.L.	266.87	2.20	264.7
10' N		6.20	
15' N		9.10	
17' N		13.40	
29' N		12.90	
33' N		15.70	
43' N	256.06	8.90	
50' N		11.20	
N.P.L.		12.70	243.4

on Line from 5+50 on N to 5+26 on S. 60=

N.P.L.		14.90	241.2
8' S		12.00	
20'		5.30	
31'	266.87	10.40	
44		9.90	
45'		8.00	
50' S		5.40	
S.P.L.		2.00	2649

from 5+65.5 on S to 5+74 on N. =P.P.L. of 8th

S.P.L.	266.87	2.70	264.2	
10' N		4.80		
20'		5.70		
30'		6.70		
36'		6.70		
50'		13.80		
N.P.L.	256.06	8.70	247.4	
T.P.		0.30	255.76	
	12.80	268.56	0.16	268.40
	10.31	278.71	2.68	276.03
	9.48	285.51	0.15	285.36 285.506

POSTED

Xsections Broadway

Calhoun to Stephens [276.07 Pin S.W. Cor Bdy + Randolph]

E.C.L. of Calhoun

N.P.L	4.80	280.87	3.70	277.2
N.C.L.			3.90	77.0
1/4			4.10	76.8
℄			4.10	276.8
1/4			4.40	76.5
S.C.L.			4.30	76.6
S.P.L.			4.30	276.6

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E. 1/4 of Calhoun

S.P.L.			4.20	276.7
S.C.L			4.40	76.5
1/4			4.50	76.4
℄			4.20	276.7
1/4			4.10	76.8
N.C.L.			3.90	77.0
N.P.L.			3.90	277.0

℄ of Calhoun

N.P.L.		280.87	4.20	276.7
N.C.L.			4.30	276.6
1/4			4.40	76.5
℄			4.50	276.4
1/4			4.70	76.2
S.C.L.			4.40	76.5
S.P.L.			4.50	276.4

W. 1/4 of Calhoun

S.P.L.			4.70	276.2
S.C.L.			4.70	76.2
1/4			4.60	76.3
℄			4.80	276.1
1/4			4.60	76.3
N.C.L.			4.40	76.5
N.P.L.			4.20	276.7

N. C. L. of Calhoun

N. P. L	280.87	4.30	276.6
N. C. L.		4.60	76.3
¼		4.60	76.3
℄		5.00	275.9
¼		4.70	76.2
S. C. L.		4.60	76.3
S. P. L		4.90	276.0

W. P. L. of Calhoun

S. P. L		4.90	276.0
S. C. L.		4.80	76.1
¼		4.80	76.1
℄		5.10	275.8
¼		4.70	76.2
N. C. L		4.60	76.3
N. P. L.		4.30	276.6

25' W. of Calhoun

N. P. L.	280.87	4.50	276.4
N. C. L		4.90	76.0
¼		5.00	75.9
℄		5.10	275.8
¼		5.10	75.8
S. C. L.		5.20	75.7
S. P. L.		5.10	275.8

50' W. of Calhoun

S. P. L.		5.30	275.6
S. C. L.		5.30	75.6
¼		5.20	75.7
℄		5.30	275.6
¼		5.10	75.8
N. C. L.		4.80	76.1
N. P. L.		4.60	276.0

75' W. of Calhoun

N.P.L.	280.87	4.60	276.3
N.C.L.		5.00	75.9
¼		5.00	75.9
℄		5.40	275.5
¼		5.30	75.6
S.C.L.		5.80	75.1
S.P.L.		5.40	275.5

100' W. of Calhoun

S.P.L.		5.60	275.3
S.C.L.		5.70	75.2
¼		5.40	75.5
℄		5.30	275.6
¼		5.20	75.7
N.C.L.		5.00	75.9
N.P.L.		4.90	276.0

125' W. of Calhoun

N.P.L.	280.87	4.80	276.1
N.C.L.		5.10	75.8
¼		5.30	75.6
℄		5.60	275.3
¼		6.00	74.9
S.C.L.		5.90	75.0
S.P.L.		5.80	275.1

150' W. of Calhoun

S.P.L.		5.90	275.0
S.C.L.		6.00	74.9
¼		6.00	74.9
℄		5.80	275.1
¼		5.60	75.3
N.C.L.		5.10	75.8
N.P.L.		4.80	276.1

175' W of Calhoun

N.P.L.	280.67	5.20		275.7
N.C.L.		5.40		75.5
¼		5.80		75.1
¢		6.00		274.9
¼		6.10		74.8
S.C.L		6.30		74.6
S.P.L.		6.40		274.5
200' W of Calhoun = E.P.L. of Stephens				
S.P.L.		6.50		274.4
S.C.L		6.70		74.2
¼		6.70		74.2
¢		6.50		274.4
¼		6.10		74.8
N.C.L		5.80		75.1
N.P.L.		5.40		275.5
T.P.		1.13	279.74	
	5.49	280.23		

X section of Stockton St.

Calhoun to Stephens

E.C.L. of Calhoun

N.P.L.	280.23	6.40	276.8
N.C.L.		6.40	278.8
¼		6.70	278.5
¢		6.90	278 3
¼		6.88	278.4
S.C.L.		6.60	278.1
S.P.L.		5.90	279 3
E. ¼ of Calhoun			
S.P.L.		5.70	279.5
S.C.L		6.20	279.0
¼		6.60	278.6
¢		6.50	278.7
¼		6.50	278.7
N.C.L		6.40	278.8
N.P.L.		6.60	278.4

℄ of Calhoun

N. P. L.	285.23	7.00	278.2
N. C. L.		6.50	278.7
1/4		6.40	278.8
℄		6.40	278.8
1/4		6.20	279.0
S. C. L		6.20	279.0
S. P. L.		5.50	279.7

W. 1/4 of Calhoun

S. P. L.		5.50	279.7
S. C. L		5.90	279.3
1/4		6.30	278.9
℄		6.30	278.9
1/4		6.20	279.0
N. C. L.		6.40	278.8
N. P. L.		7.00	278.2

W. C. L. of Calhoun

N. P. L.	285.23	6.50	278.7
N. C. L		5.70	279.5
1/4		6.00	279.2
℄		6.30	278.9
1/4		6.00	279.2
S. C. L		5.80	279.4
S. P. L.		5.30	279.9

N. P. L. of Calhoun

S. P. L.		5.20	280.0
S. C. L		5.60	279.6
1/4		5.70	279.5
℄		5.90	279.3
1/4		5.90	279.3
N. C. L		5.60	279.6
N. P. L.		6.40	278.8

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25' W. of Calhoun

N. P. L.	285.23	7.20	278.0
N. C. L.		6.40	278.8
1/4		6.00	279.2
¢		5.60	279.6
1/4		5.40	279.8
S. C. L.		5.30	279.9
S. P. L.		5.00	280.2

50' W. of Calhoun

S. P. L.		4.10	281.1
S. C. L.		4.40	280.8
1/4		4.70	280.5
¢		5.20	280.0
1/4		5.50	279.7
N. C. L.		5.70	279.5
N. P. L.		6.00	279.2

75' W. of Calhoun

N. P. L.	285.23	5.00	280.2
N. C. L.		4.50	280.7
1/4		4.40	280.8
¢		4.20	281.0
1/4		3.90	281.3
S. C. L.		3.50	281.7
S. P. L.		3.40	281.8

100' W. of Calhoun

S. P. L.		3.40	281.8
S. C. L.		3.40	281.8
1/4		3.40	281.8
¢		3.50	281.7
1/4		3.80	281.4
N. C. L.		4.10	281.1
N. P. L.		4.80	280.4

125' W. of Calhoun

N.P.L.	266.23	5.40		279.8
N.C.L.		4.60		280.6
1/4		4.30		280.9
℄		4.10		281.1
1/4		3.90		281.3
S.C.L.		4.00		281.2
S.P.L.		3.90		281.3

150' W. of Calhoun

S.P.L.		5.90		279.3
S.C.L.		6.20		279.0
1/4		5.60		279.6
℄		5.60		279.6
1/4		5.50		279.7
N.C.L.		5.80		279.6
N.P.L.		6.40		278.8

175' W of Calhoun

N.P.L.	265.23	6.20		279.0
N.C.L		6.20		279.0
1/4		6.50		281.7
℄		6.70		278.5
1/4		6.70		278.5
S.C.L		7.00		278.2
S.P.L.		6.80		278.4

200' W of Calhoun = E.P.L. of Stephens

S.P.L.		6.90		278.3
S.C.L.		6.70		278.5
1/4		6.60		278.6
℄		6.90		278.3
1/4		7.00		278.2
N.C.L		7.20		278.0
N.P.L.		7.20		278.0
T.P.		8.59	276.34	
	2.58	279-22	3.15	276.07

POSTED

X section of Calhoun St = 60'

Getti to N. Extremity

Iron Pin. S.W. Cor. B'dy R'd'pl 276.07

	5.18	281.25	11.75	269.50
	6.11	275.61		

S.P.L. of Getti. = 50'

E.P.L.		275.61	14.70	260.9
C			13.50	
1/4			12.70	
℄			12.00	263.6
1/4			11.50	
C			10.80	
W.P.L.			10.00	265.6

S.C.L. of Getti.

W.P.L.		275.61	9.50	266.1
C			10.00	
1/4			11.10	
℄			11.70	263.9
1/4			12.20	
C			12.80	
E.P.L.			13.50	262.1

S. 1/4 of Getti

E.P.L.			13.40	262.2
C			12.60	
1/4			11.80	
℄			11.30	264.3
1/4			10.50	
C			9.70	
W.P.L.			9.10	266.5

POSTED.

℄ of Getti.

W.P.L.	275.61	8.40	267.2
C.		9.10	
¼		10.10	
℄		10.80	264.8
¼		11.70	
C		12.40	
E.P.L.		13.00	262.6

N. ¼ of Getti

E.P.L.		12.70	262.9
C		11.60	
¼		11.40	
℄		10.40	265.2
¼		~~10.80~~ 9.80	
C		9.00	
W.P.L.		8.30	267.3

N.C.L. of Getti.

W.P.L.	275.61	8.10	267.5
C		8.70	
¼		9.50	
℄		10.00	265.6
¼		11.00	
C		11.50	
E.P.L.		12.30	263.3

N.P.L. of Getti.

E.P.L.		12.00	263.6
C		11.10	2645
¼		10.40	265.2
℄		9.60	266.0
¼		9.30	267.3
C		8.50	267.1
N.P.L.		7.90	267.7

25' N. of Getti.

W.P.L.	2)5.61	7.20	268.4
C		7.60	268.0
¼		8.00	267.6
℄		8.60	267.0
¼		9.50	266.1
C		10.30	265.3
E.P.L.		10.40	265.2

50' N. of Getti

E.P.L.		9.70	265.9
C		9.10	266.5
¼		8.00	267.6
℄		7.60	268.0
¼		7.40	268.2
C		6.90	268.7
W.P.L.		6.60	269.0

75' N. of Getti

W.P.L.	2)5.61	6.00	269.6
C		6.40	269.2
¼		6.90	268.7
℄		7.50	268.1
¼		8.10	267.5
C		8.60	267.0
E.P.L.		8.90	266.7

100' N. of Getti

E.P.L.		7.70	267.9
C		7.60	268.0
¼		7.40	268.2
℄		6.90	268.7
¼		6.20	269.4
C		5.80	269.8
W.P.L.		5.40	270.2

POSTED

	185' N. of Getti		
W.P.L.	275.61	4.60	271.0
C		4.70	270.9
¼		5.20	270.4
℄		5.50	270.1
¼		5.50	270.1
C		5.80	269.8
E.P.L.		6.10	269.5
	150' N. of Getti.		
E.P.L.		6.10	269.5
C		5.70	269.9
¼		5.50	270.1
℄		4.70	270.9
¼		4.50	271.1
C		3.90	271.7
W.P.L.		3.10	272.5

	175' N. of Getti		
W.P.L.	275.61	3.00	273.6
C		3.50	272.1
¼		3.60	271.8
℄		4.00	271.6
¼		4.40	271.2
C		4.50	271.1
E.P.L.		5.30	270.3
	200' N. of Getti.		
E.P.L.		4.80	270.8
C		4.60	271.0
¼		4.10	271.5
℄		3.40	272.2
¼		3.00	272.6
C		2.40	273.2
W.P.L.		1.70	273.9

235' N. of Getti

W.P.L.	275.61	1.30		274.3
C		2.00		273.6
1/4		2.60		273.0
℄		2.60		273.0
1/4		2.60		273.0
C		3.30		272.3
E.P.L.		4.20		271.4

250' N. of Getti

E.P.L.		3.90		271.7
C		3.40		272.2
1/4		3.00		272.6
℄		2.30		273.3
1/4		2.00		273.6
C		1.50		274.1
W.P.L.		0.80		274.8
T.P.		0.92	274.69	Iron pin N.W. Cor. Lewis + Calhoun

275' N. of Getti = S.P.L. of Lewis = 75'

W.P.L.	275.61	1.10		274.5
C		1.50		274.1
1/4		2.00		273.6
℄		2.20		273.4
1/4		2.10		274.7
C		3.20		272.4
E.P.L.		3.30		272.3

For Intersection See x sec of Lewis

N.T.L. of Lewis

E.P.L.	16.98	281.67	8.30	273.4
C			8.50	
1/4			8.00	
℄			8.00	273.7
1/4			7.60	
C			7.80	
W.T.L.			7.50	274.2

	25' N of Lewis			
W.P.L.	281.67	7.20		274.5
C		7.30		
¼		7.30		
℄		7.40		274.3
¼		7.70		
C		7.90		
E.P.L.		7.80		273.9
	50' N of Lewis			
E.P.L.		6.90		274.6
C		6.90		
¼		6.90		
℄		6.60		275.1
¼		6.60		
C		6.70		
W.P.L.		6.60		275.1

	75' N of Lewis			
W.P.L.	281.67	5.80		275.9
C		5.90		
¼		6.10		
℄		6.00		275.7
¼		6.30		
C		5.90		
E.P.L.		6.10		275.6
	100' N of Lewis			
E.P.L.		5.20		276.5
C		5.70		
¼		5.50		
℄		5.20		276.5
¼		5.50		
C		5.40		
W.P.L		5.40		276.3

125' N. of Lewis

W.P.L	281.67	4.80	276.9
C		5.00	
1/4		4.80	
℄		4.70	277.0
1/4		4.80	
C		4.70	
E.P.L		4.60	277.1

150' N. of Lewis

E.P.L.		4.30	277.4
C		4.60	
1/4		4.40	
℄		4.30	277.4
1/4		4.60	
C		4.60	
W.P.L.		4.60	277.1

175' N of Lewis

W.T.L.	281.67	4.50	277.2
C		4.70	
1/4		4.40	
℄		4.40	277.3
1/4		4.20	
C		4.20	
E.T.L.		4.20	277.5

200' N. of Lewis

E.T.L.		4.20	277.5
C		4.30	
1/4		4.60	
℄		4.60	277.1
1/4		4.50	
C		4.60	
W.P.L		4.60	277.1

225' N. of Lewis

W.P.L.		281.67	4.90	276.8
C			4.90	
¼			4.50	
℄			4.20	277.5
¼			4.20	
C			4.50	
E.P.L.			4.40	277.3

250' N. of Lewis

E.P.L.			4.40	277.3
C			4.10	
¼			4.70	
℄			4.90	276.8
¼			5.00	
C			5.10	
W.P.L.			5.20	276.5

275' N. of Lewis

W.P.L.		281.67	5.30	276.4
C			5.20	
¼			5.10	
℄			4.90	276.8
¼			4.60	
C			4.70	
E.P.L.			4.40	277.3

300' N. of Lewis = S.P.L. of Broadway = 50'

E.P.L.			5.00	276.7
C			5.00	
¼			5.10	
℄			5.30	276.4
¼			5.50	
C			5.60	
W.P.L.			5.60	276.1

For intersection see X sec of Broadway

T.P. 5.59 276.05

POSTED

N.P.L. of Broadway [2)6.08]

W.P.L.	7.85	283.93	7.50	276.4
C			7.40	
1/4			7.30	
℄			7.30	276.6
1/4			7.00	
C			6.80	
E.P.L.			6.80	277.1

25' N of Broadway

E.P.L.			6.70	277.2
C			6.70	
1/4			6.80	
℄			6.80	277.1
1/4			6.70	
C			6.80	
W.P.L.			6.80	277.1

50' N. of Broadway

W.P.L.		283.93	6.40	277.5
C			6.30	
1/4			6.30	
℄			6.30	277.6
1/4			6.50	
C			6.50	
E.P.L.			6.30	277.6

75' N. of Broadway

E.P.L.			5.90	278.0
C			6.00	
1/4			6.00	
℄			5.90	278.0
1/4			5.60	
C			5.80	
W.P.L.			5.80	278.1

100' N. of Broadway

W.P.L.	283.93	5.30	278.6
C		5.20	
¼		5.30	
℄		5.40	278.5
¼		5.40	
C		5.40	
E.P.L.		5.40	278.5

125' N. of Broadway

E.P.L.		5.00	278.9
C		5.00	
¼		5.00	
℄		4.80	279.1
¼		4.70	
C		4.70	
W.P.L.		4.70	279.2

150' N. of Broadway

W.P.L.	283.93	4.00	279.9
C		4.10	
¼		4.10	
℄		4.40	279.5
¼		4.50	
C		4.60	
E.P.L.		4.50	279.5

175' N. of Broadway

E.P.L.		4.00	279.9
C		4.00	
¼		4.00	
℄		3.90	280.0
¼		3.70	
C		3.50	
W.P.L.		3.70	280.2

200' N. of Broadway

W.P.L.	283.93	3.30	280.6
C		3.30	
1/4		3.30	
℄		3.20	280.7
1/4		3.60	
C		3.50	
E.P.L.		3.80	280.1

285' N. of Broadway

E.P.L.		3.50	280.4
C		3.20	
1/4		3.20	
℄		3.20	280.7
1/4		3.00	
C		3.00	
W.P.L.		3.00	280.9

250' N. of Broadway

W.P.L.	283.93	2.80	281.1
C		2.90	
1/4		2.90	
℄		3.10	280.8
1/4		3.20	
C		3.20	
E.P.L.		3.40	280.5

235' N. of Broadway

E.P.L.		3.30	280.6
C		3.30	
1/4		3.60	
℄		3.90	280.0
1/4		3.80	
C		3.60	
W.P.L.		3.50	280.4

POSTED

300' N. of Broadway = S.P.L. Stockton

W.P.L.	283.93	3.90		280.0
C		4.10		
1/4		4.20		
℄		4.30		279.6
1/4		4.30		
C		4.50		
E.P.L.		4.70		279.2
T.P.		4.49	279.44	

For Intersection See Xsec. Stockton St N.P.L. Stockton Page 41

E.P.L.	0.39 279.83	0.90		278.9
C		1.00		278.8
1/4		1.40		278.4
℄		1.50		278.3
1/4		1.60		278.3
C		1.10		278.7
W.P.L.		1.00		278.8

50' = 25' N. of Stockton

W.P.L.	279.83	2.10		277.7
C		2.10		277.7
1/4		2.10		277.7
℄		1.60		278.2
1/4		1.90		277.9
C		2.00		277.8
E.P.L.		2.10		277.7

50' N. of Stockton

E.P.L.		2.80		277.0
C		2.80		277.0
1/4		3.00		276.8
℄		3.00		276.8
1/4		2.80		277.0
C		2.40		277.4
W.P.L.		2.00		277.8

	75' N. of Stockton			
W. P. L.		279.83	3.10	276.8
C			3.20	276.6
1/4			3.50	276.3
℄			3.00	276.8
1/4			3.20	276.6
C			3.10	276.1
E. P. L.			3.40	276.4
	100' N. of Stockton			
E. P. L.			4.60	275.2
C			4.90	274.9
1/4			5.00	274.8
℄			4.80	275.0
1/4			4.60	275.2
C			4.30	275.5
W. P. L.			4.10	275.7

	125' N of Stockton			
W. P. L.		279.83	4.80	275.0
C			4.80	275.0
1/4			5.10	274.7
℄			5.30	274.5
1/4			5.50	274.3
C			6.00	273.8
F. P. L.			5.60	274.2
	150' N. of Stockton			
F. P. L.			7.10	272.7
C			7.30	272.5
1/4			7.10	272.7
℄			6.50	273.3
1/4			6.20	273.6
C			5.90	273.9
W. P. L.			5.70	274.2

175' N. of Stockton

W.P.L.	279.83	7.50	272.3
C		7.40	272.4
1/4		7.40	272.4
℄		8.10	271.7
1/4		8.80	271.0
C		8.30	271.5
E.P.L.		8.10	271.7

200' N. of Stockton

E.P.L.		10.00	269.8
C		9.90	269.9
1/4		9.80	270.0
℄		9.80	270.0
1/4		9.70	270.1
C		9.30	270.5
W.P.L.		9.20	270.6

225' N of Stockton

W.P.L	279.83	10.60	269.2
C		10.80	269.0
1/4		11.00	268.8
℄		11.40	268.4
1/4		11.60	268.2
C		11.50	268.3
E.P.L.		11.40	268.4

250' N. of Stockton

E.P.L		13.10	266.7
C		12.90	266.9
1/4		12.90	266.9
℄		12.70	267.1
1/4		12.40	267.4
C		12.20	267.6
W.P.L.		11.60	268.2
T.P.		11.79	268.04
	0.83	268.87	

275' N. of Stockton

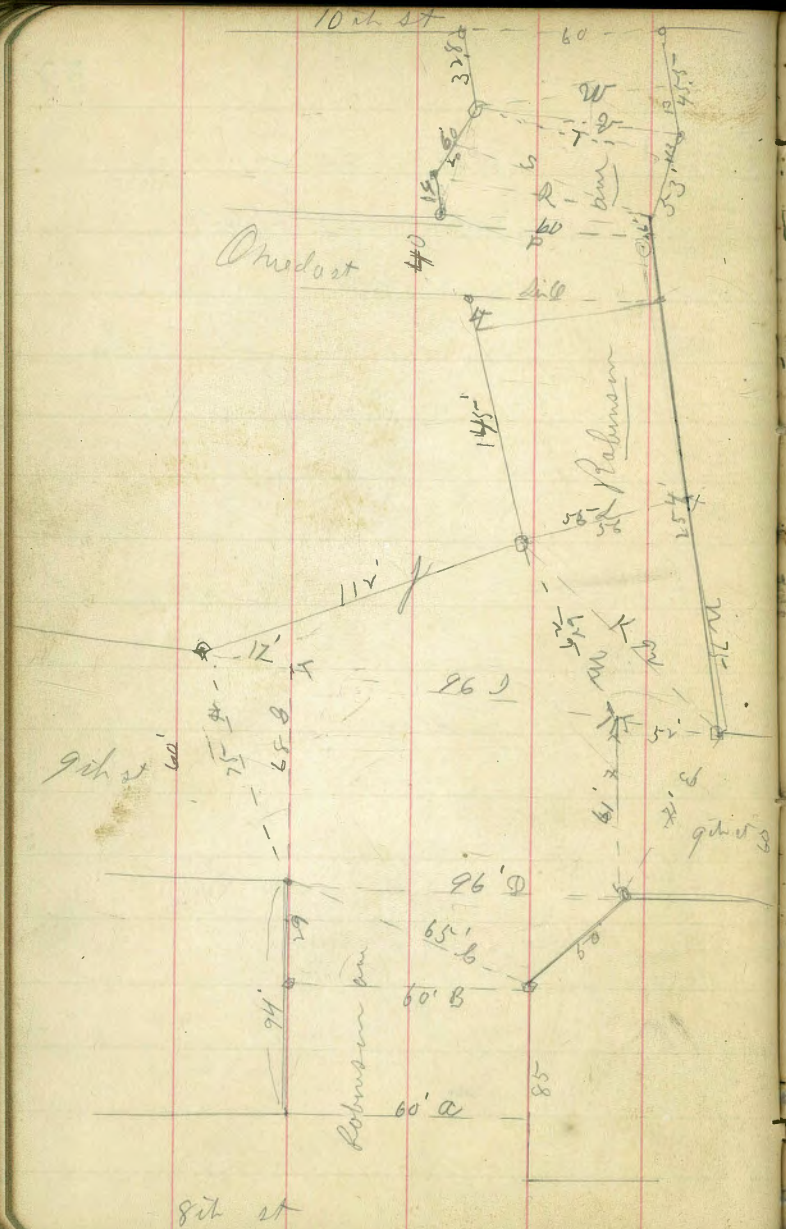
W. P. L.	268.87	3.10		265.8
C		3.10		265.8
1/4		3.10		265.8
℄		3.10		265.8
1/4		3.20		265.7
C		3.20		265.7
E. P. L.		3.10		265.8

300' N. of Stockton = E. P. L. of Hunter
= N. Extremity.

E. P. L.		3.80		265.1
C.		3.80		265.1
1/4		4.30		264.6
℄		4.80		264.1
1/4		4.30		264.6
C		4.30		264.6
W. P. L.		5.10		263.8

T. P.		268.87	1.82	267.05
	11.61	2)8.66	2.27	2)6.39

POSTED



Clough
Taylor
Dunn

Crossection of Robinson ave

	8th st	to	10th st		
					BM 7th +
	1,8	278.79		276.97	Robinson
TP	0,58	266.87	12,50	266.29	Rock (1)
	SE Cor 8th + Robinson				
SE			3,2	263.7	
	20' E of 8th st on SL				
SL			1,2	265.7	
(Line a)	E Line of 8th st (20' E of SE Cor)				
SL			1.2	265.7	
bh			5.5	261.4	
[illegible]			7,5	259.4	
b			8,2	258.7	
y			12,5	254.4	
bh			17,0	249.9	
NL			21,5	245.4	

POSTED

		266.87			
	30'	E of	8th st		
SL			2,3	264.6	
bh			5,1	261.8	
"			12,3	254.6	
b			12,0	254.9	
(Line B)	65'	E of	8th	(85' E of SE bor)	
SL			6,3	260.6	
bh			10,5	256.4	
(Line b)	65'	E on SL	94' E on NL		
SL			6,3	260.6	
10' n ~~of~~			10,8	256.1	
TP	0.68	255.95	12,60	254.27	
	30'	E of	8th st		
NL			13,8	241.1	
bh			9,0	245.9	
"			4,4	250.5	

		254.95			Robinson
(Line B)	65'	E of	8th st		
NL			14,0	240.9	
bh			11,0	243.9	
"			8,2	246.7	
b			2,8	252.1	
"			4,5	250.4	
75'			4,0	250.9	
(Line b)	65' E on S	94' E on N			
12' n of SL			4,4	250.5	
25' n of "			4,0	250.9	
45' " "			11,5	243.4	
65' " " = NW b 9th st			—	236.6	
(Line D)	50' SE of 65' E Pin	to NW bor 9 = W.L 9th			
SL			3,8	251.1	
20' n of SL			3,8	251.2	
30' " " "			9,4	245.5	
50' " " "			6,4	248.5	
75 " " "			11,7	243.2	
96' " " = NW bor 9th				236.6	

		254.95		
(Line E)	SW bdy	to SE cor of 9th st		
WL			3.8	251.1
bh			8.0	246.9
1/4			13.8	241.1
(Line 7)	SW bdy	to E line of 9th st (61')		
WL			3.8	251.1
+10'n			8.0	246.9
+5			13.0	243.9
~~+30'n~~			~~—~~	
TP	462	247.02	12.55	242.40
(Line C)	NW	bdy 9th		
NL			10.4	236.6
Line D	NW	bdy 9th	10.4	
NL			10.4	236.6

		247.02		Robinson Ave
(Line E)	SW bdy	to SE bdy	(71')	
C			6.6	240.4
E 1/4			8.0	239.0
E bh			13.5	233.5
EL			15.7	231.3
(Line 7)	SW bdy ⊥	to E L of 9th st		
Center			6.2	240.8
E 1/4			10.2	236.8
E bh			12.0	235.0
E L = 52' n of SE bdy			13.0	234.0
	20' n of Line 7			
EL			14.4	232.6
bh			12.8	234.2
7			10.4	236.6
C			7.6	239.4
7			3.2	243.5
bh			2.8	244.2
EL			+4.0	251.2

Robinson

247.02

	50'	n of	Sin	Z
W2			+1.5	248.5
bl			3,2	243.8
4			8,2	238.8
6			12,3	234.7
4			12,1	234.9
bl			10,6	236.4
E2			9,2	239.8
	75'	n of	Sin	Z
E2			4,6	242.4
bl			7,6	239.4
7			9,5-	239.5
6			11,7-	235.3
7			12,1	234.9
bl			9,0	238.0
W2			3,7	243.3

247.02

(Sin G)	96' n of 7		
W2 = n W bar 9		10,4	236.6
bl		11.1	235.9
4		11,0	236.0
6		9,2	237.8
4		6,0	241.0
bl		3,3	243.7
E2		1,0	246.0
Sin H	nW bar to nE bar (75')		(=17' n of Sin Z on E2)
E2		+1,0	248.0
bl		2,8	244.2
7		6,0	241.0
6		9,2	237.8
7		11,0	236.0
bl		11,2	235.8
W2		10,4	236.6

		247.02			
Sin J	NE bar	to E bar (112')			
NL			+1.0	248.0	
56' S			+1.0	248.0	
112' S			1.0	246.0	
(Sin M)	E bar	to EL of 9th & 52' N			SE bar (62')
EL			1.0	246.0	
20' W			8.4	238.6	
46' W			14.5	232.5	
62'			13.0	233.0	
Sin K	E bar	to SE bar			
EL			1.0	246.0	
25' E			11.0	236.0	
40 E			9.5	237.5	
50' E			15.0	232.0	
92' E			15.8	231.2	

		247.02			Robinson
(Sin L)	E bar	to ⊥ opposite 75' E of SE bar			
NL			1.0	246.0	
bl			4.3	242.7	
y			6.0	241.0	
b			7.0	240.0	
y			9.6	237.4	
bl			7.5	239.5	
SL			4.5	242.5	
(Sin N)			(75')		
EL			4.5	242.5	
+35 W			11.6	235.4	
40' W			16.0	231.0	
50'			17.2	229.8	
75' = SE bar			15.7	231.3	
TP	12.10	258.58	0.54	246.48	

		258,58		
	50'	E of	Line	L
NL			1,0	257.6
bh			4,5	254.1
y			9,0	249.6
b			10,3	248.3
y			14,0	244.6
bh			12,0	246.6
SL			7,0	257.6
	100'	E of	Line	L
SL			1,5	257.1
bh			5,5	253.1
y			7,0	257.6
b			4,0	254.6
y			0,2	258.4
bh			1,0	257.6
TP	12.05	270,23	0.40	258.18
NL			7,0	

		270.23		Robinson an
	45' E on NL = NL Oneida st (40')			
	39' E on SL			
NL			3,5	266.9
+5'			7,8	262.4
bh			6,5	263.7
+5'			6,8	264.4
y			10,0	260.2
b			13,0	257.2
y			10,0	260.2
bh			7,5	262.7
SL			7,0	263.2
	10'	E of	Oneida st	
SL			4,5	265.7
bh			8,0	262.2
y			11,0	259.0
b			12,6	257.6
y			7,0	263.2
bh			5,8	264.4
+5			6,5	263.7
NL			1,5	268.7

			270°23'						
	20' E. = bente		Oneida st (4d)						
h2			3,0	267.2					
bl			4,4	265.8					
y			4,6	265.6					
b			10,0	259.8					
y			7,5	262.7					
bl			5,6	264.6					
S2			2,0	268.2					
TP	11,58	280.67	11.7	269.07					
	30'	E of W2 of Oneida							
S2			10,0	270.7					
bl			12,0	268.7					
y			14,0	266.7					
b			16,8	263.9					
y			13,8	266.9					
bl			14,0	266.7					
N2			11,5	269.2					

			280.67						Robinson
Sin P	E Sine of Oneida st								
N2				18,1	270.6				
bl				13,0	267.7				
y				12,4	268.3				
b				12,0	268.7				
y				11,8	268.9				
bl				9,2	271.5				
S2				6,7	274.0				
(Sin R)	14'	E of Oneida on							N ½ = angle
	6'	" " "							S
TP	657	28-16		5,0	275.65				
S2				6,5	275.7				
bl				9,7	272.5				
y				11,4	270.8				
b				11.4	270.8				
y				12,4	269.8				
bl				9,2	273.0				
N2				5,1	277.1				

		28216		
Sin S	20' E angle	on "	n S S	
nS			3.1	279.1
bh			4,0	278.2
y			10,3	271.9
b			10,2	272.0
y			10,2	272.0
bh			7.9	274.3
SS			6,5	275.7
Sin T	40' E	of Sin	S	
SS			3,2	279.0
bh			4,0	278.2
y			4.7	277.5
b			5,0	277.2
y			3,4	278.8
bh			2,8	279.4
nS			2,8	279.4

		28216		Robinson ave
Sin V	angle on 13' E of	n Sin T	on S S	
nS	angle		2,8	279.4
bh			2,8	279.4
y			4,3	277.9
b			4,0	278.2
y			3,8	278.4
bh			3,4	278.8
SS	angle		2,8	279.4
Sin W	angle on 13' E	n on S. Sin		
SS			2,8	279.4
bh			3,2	279.0
y			3,4	278.8
b			3,9	278.3
y			4,1	278.1
bh			2,8	279.4
nS			2,8	279.4

		28216		
	32,8	E =	wd	10th st
Dh			1,8	280.4
bh			1,5	280.7
4			2,0	280.2
b			2,0	280.2
4			1,8	280 4
bh			2,1	280 1
Sh			2.1	280.1

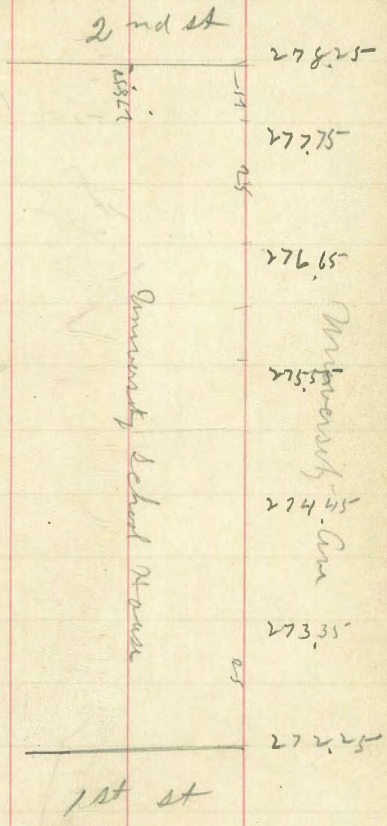
POSTED

Grades for University Ave School House

Clough					
	360	284.38		280.78	BM 2nd & Univ.
278.50 5.88	278.25 6.13 C1.3	277.75 6.63 C1.8	276.65 7.73 C1.3	275.55 8.83 C2.0	
	274.45 9.93 C2.9	273.35 11.03 C4.2	272.25 12.13 C3.5		

POSTED

POSTED



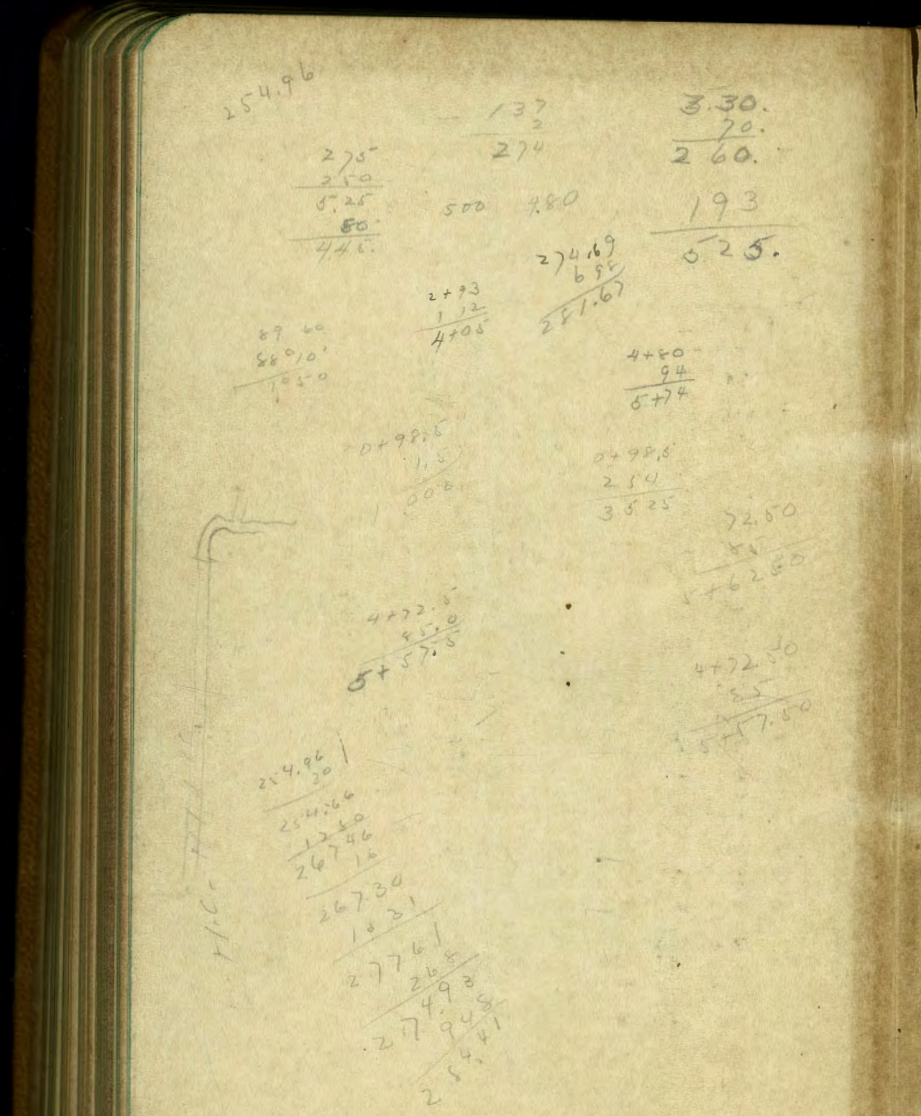
Levels on 9th st (60) Penn ave to 10th st

				BM NW
0,78	275,77		274,99	8 & Robinson
1,21	265,54	12,44	264,33	
1,05	254,05	12,54	253,00	Rock
				SW H
		1,83	252,22	9 & Rob
1,74	243,21	12,58	241,47	
		7,18	236,03	Rock
		11,39	231,82	

			285.51
0.28	285.79	10.30	275.49
4.12	279.61	6.70	272.91
1.93	280.84	9.32	271.52

on ~~N. P. L.~~ 5+25 N to 5+00 S.

N. P. L. 24.53 5.20



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.