LEVEL BOOK

400

F. B. 295

295

H. S. CROCKER COMPANY

DRAWING MATERIALS AND SURVEYING INSTRUMENTS

295

SAN FRANCISCO

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, 1904, by Kueffel & Esser Co."

MICROFILMED DEC 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.

Return to City Engineers Office
City E[illegible], San Diego, Cal.

Cross Section of Broadway Street Pacific Beach - Grand North

7/1/07 { Davis, Moore, Benwell

1

		H.I.			
	1.86	54.67			52.81 - B.M. Sp. Pole N.E Grand and Lamont.
T.P	4.21	56.43	2.45	52.22	
T.P.	7.90	60.59	3.74	52.69	
			4.59	56.00	BM.SW. Grand & Bwdy.
	So. line Grand.				
W			4.2	56.40	
Cb			5.5	55.10	
1/4			5.6	55.40	
C			5.5	55.10	
1/4			6.3	54.30	
Cb			7.2	53.40	
E			6.4	54-20	
	So Curb				
E			6.5 7.2	54.10 53.40	
Cb			6.3	54-30	
1/4			5.9	54.70	
C			5.3	55.30	

POSTED

W			5.3	55.30
Cb			5.2	55.40
W			4.5	56.10
	So 1/4 Grand			
W			4.3	56.30
Cb			4.7	55.90
1/4			4.9	55.70
C			4.9	55.70
1/4			5.4	55.20
Cb			5.9	54.70
E			6.1	54.50

Note - Broadway is 100 ft wide until further notice 20' sidewalks & 15 ft quarters, Grand is 125' wide 20' Sidewalks 21.25 ft quarters

60.59

2' So Rail - 68' So of N.L. Grand.

E	5.5	55.10
C	5.1	55.50
¼	4.5	56.10
C	4.5	56.10
¼	4.3	56.30
C	4.3	56.30
W	4.1	56.50

2' No Rail - 59' So of N.L. Grand.

W	4.1	56.50
C	4.3	56.30
¼	4.5	56.10
C	4.7	55.90
¼	4.3	56.30
C	5.0	55.60
E	5.4	55.20

Broadway

2

50' So of N.L. Grand.

E	5.3	55.30
C	4.6	56.00
¼	4.4	56.20
6E CH	4.6	56.10
C	5.7	54.90
¼	5.8	54.80
C	5.6	55.00
W	5.7	54.90

45' So N.L. Grand.

W	3.9	57.70
C	3.5	57.10
¼	3.9	56.70
C	4.2	56.40
¼	4.5	56.10
C	4.9	55.70
E	5.2	55.40

60.59

No ½ Grand.

E	5.3	55.30
℄	4.9	55.70
½	4.6	56.00
C	4.3	56.30
¼	4.0	56.60
℄	3.6	57.00
W.	3.1	57.50

No ℄. Grand.

W	3.2	57.40
℄	3.9	56.70
¼	4.2	56.20
C	4.7	55.90
¼	5.1	55.50
℄	5.2	55.40
E	5.4 4.9	55.20 55.70

N.℄. Grand.

E	4.6	56.10
℄	4.3	56.30
½	4.2	56.20
C	4.4	56.20
¼	4.2	56.40
5'E ℄.	4.6	56 00
℄	3.8	57.80
W.	3.6	58.00

26 No. Grand.

W	0.9	59.70
℄	1.9	58.70
5 E ℄.	3.7	56.90
½	3.7	56.90
C	3.9	56.70
¼	3.9	56.70
5 W ℄.	4.4	56.20
℄	3.5	57.10
E	3.7	56.90

60.59

50 No. Grand

E			3.0	57.60
C			2.6	58.00
¼			2.6	58.00
C			2.7	57.90
¼			2.5	58.10
3 E C.			3.1	57.50
C			2.0	58.60
3 W C.			0.8	59.80
W.			0.3	60.30
T.P.	8.03	68.04	0.58	60.01

75 N. Grand

W			7.2	60.80
C			7.8	60.20
5 E C.			9.6	58.40
¼			9.7	58.30
C			9.6	58.40
¼			9.1	58.90
C			9.5	58.60
E			9.9	58.10

Broadway

100 No. Grand

E			9.0	59.00
C			8.8	59.20
¼			8.6	59.40
C			9.0	59.00
¼			9.2	58.80
5 E C.			8.8	59.20
C			8.0	60.0
2 W C.			7.3	60.80
W			6.9	61.10

125 No. Grand - 5.L Alley

W			6.3	61.70
C			6.9	61.10
¼			7.3	60.70
C			7.7	60.30
¼			8.1	59.90
C			8.1	59.90
E			8.5	59.50

6.8.04

145 No Grand - N.L Alley

E	8.0	60.00
"	7.9	60.10
"	7.7	60.30
"	7.2	60.80
"	7.0	61.00
"	6.8	61.20
W	6.2	61.80

170 No Grand

W	5.6	62.40
"	6.2	61.80
"	6.7	61.30
"	6.8	61.20
"	7.2	60.80
"	7.2	60.80
E	7.5	60.50

195 No Grand

E	6.7	61.30
"	6.5	61.50
"	6.6	61.40
"	6.4	61.60
"	6.0	62.00
"	5.5	62.50
W	5.2	62.80

220 No Grand

W	4.8	63.20
"	5.4	62.60
"	5.5	62.50
"	5.7	62.30
"	6.1	61.90
"	6.1	61.90
E	6.1	61.90

68.04

245 No Grand

E	5.6	62.40
	5.5	62.50
	5.4	62.60
	5.0	63.00
	5.1	62.90
	4.8	63.20
	4.7	63.30

270 No = 5.4 Hornblend. (80 wide 20' sidewalks)

W	4.6	63.40
	4.6	63.40
	4.7	63.30
	4.8	63.20
	4.6	63.40
	4.6	63.40
E	4.8	63.20

Broadway

So Ct Hotld.

E	4.2	63.80
	4.1	63.90
	4.5	63.50
	4.6	63.40
	4.4	63.60
	4.3	63.70
W	4.6	63.40

So 1/4 Hotld.

W	4.4	63.60
	4.1	63.90
	4.0	64.00
	4.0	64.00
	3.9	64.10
	4.1	63.90
E	3.8	64.20

68.04

Ctr Hornblend

E	3.5	64.50
W	3.5	64.50
¼	3.6	64.40
C	3.6	64.40
¼	3.8	64.20
W	4.0	64.00
W	4.2	63.80

No ½ H—

W	4.7	63.30
W	4.4	63.60
¼	4.2	63.80
C	4.1	63.90
¼	4.1	63.90
W	3.8	64.20
E	3.6	64.40

No W Hornblend

E	3.2	64.80
W	3.4	64.60
¼	4.0	64.00
C	3.8	64.20
¼	3.9	64.10
W	4.5	63.50
W	5.1	62.90

No lime Hornblend

W	4.6	63.40
W	4.3	63.70
½	4.2	63.80
C	3.5	64.50
½	3.2	64.80
W	2.9	65.10
E	2.2	65.80

6F.04

35 No Hornblend.

E	2.5	65.50
u	3.2	64.80
y	3.4	64.60
C	4.0	64.00
y	4.4	63.60
u	4.8	63.20
w	5.4	62.60

60 No

w	6.0	62.00
u	5.3	62.70
y	4.7	63.30
C	4.2	63.80
y	4.2	63.80
u	3.0	65.00
E	2.5	65.50

Broadway

75 No

E	3.0	65.00
u	3.8	64.20
y	4.8	63.20
C	4.9	63.10
y	5.4	62.60
u	6.0	62.00
w	6.8	61.20

100 No

w	6.9	61.10
u	6.7	61.30
y	6.1	61.90
C	5.4	62.60
y	5.1	62.90
u	4.3	63.70
E	3.8	64.20

68.04

125 No Hornblende S.L. Alloy

E			4.4	6360
Cb			5.0	6300
Ex			5.4	6260
C			6.2	6180
Ex			6.6	6140
Cb			6.8	6120
W			6.9	6110

145 No H— = N.L. Alloy

W			6.9	6110
Cb			6.8	6120
Ex			6.7	6130
C			6.5	6150
Ex			5.7	6230
Cb			5.3	6270
E			4.9	6310

170 No

E			5.0	6300
Cb			5.6	6240
Ex			5.9	6210
C			6.4	6160
Ex			6.7	6130
Cb			6.7	6130
W			6.8	6120

195 No

W			6.6	6140
Cb			6.6	6140
Ex			6.5	6150
C			6.3	6170
Ex			6.0	6200
Cb			5.7	6230
E			4.9	6310

68.04

220 No. Hornblend.

E			5.2	6220
U			5.9	6210
W			5.7	6230
C			6.2	6180
W			6.4	6160
U			6.3	6170
W			6.6	6140

245 No.

W			6.4	6160
U			6.3	6170
W			6.4	6160
C			6.3	6170
W			5.6	6240
U			6.0	6200
E			5.1	6290

Broadway

270 No. S.L. Garnet.

E			5.3	6270
U			5.9	6210
W			5.8	6220
C			6.0	6200
W			6.2	6180
U			6.1	6190
W			6.2	6180
T.P.	9.17	71.77	5.44	62.60 - 8 M S.W Garnet

So. Cl. Garnet (80' wide - 20' sidewalks.)

W			9.6	6220
U			9.5	6230
W			9.5	6230
C			9.4	6240
W			9.2	6260
U			9.5	6230
E			9.2	6260

71,77

50 ¼ Garnet

E	9.2	6760
U	9.3	6750
U	9.5	6730
C	9.5	6730
U	9.5	6730
U	9.4	6740
W	9.5	6730

Ctr Garnet

W	9.0	6780
U	9.0	6780
U	9.2	6760
C	9.1	6770
U	8.9	6790
U	9.0	6780
E	9.0	6780

No ¼ Garnet

E	9.3	6750
U	9.3	6750
U	9.3	6750
C	9.2	6760
U	9.3	6750
U	9.3	6750
W	9.3	6750

No A. Garnet

W	9.4	6740
U	9.3	6750
U	9.3	6750
C	9.2	6760
U	9.2	6760
U	9.2	6760
E	9.3	6750

71.77

N.L. Garnet.

E	9.0	6280
"	9.1	6270
"	8.9	6290
"	9.1	6270
"	9.3	6250
"	9.3	6250
W	9.3	6250

25 N/o Garnet.

W	9.2	6260
"	9.2	6260
"	8.9	6290
"	8.8	6300
"	8.9	6290
"	9.1	6270
E	8.7	6310

Broadway.

50 N/o Garnet

E	8.5	6330
"	8.9	6290
"	8.6	6320
"	8.7	6310
"	8.8	6300
"	8.9	6290
W	8.8	6300

75 N. Garnet.

W	8.2	6360
"	8.2	6360
"	8.2	6360
"	8.4	6340
"	8.5	6330
"	8.6	6320
W	8.7	6310

POSTED

7.77

10% Ni. Garnet

E	7.7	6410
CL	7.0	6380
L	7.7	6410
C	7.6	6420
L	7.8	6400
CL	7.6	6420
W	7.4	6440

12.5 Ni. S.L. Alloy

W	6.9	6490
CL	7.0	6480
L	7.3	6450
C	7.2	6460
L	7.3	6450
CL	7.5	6430
E	7.8	6480

14.5 No. N.L. Alloy

E	6.5	6520
CL	6.9	6490
L	6.7	6410
C	6.7	6410
L	6.7	6410
CL	6.5	6430
W	6.3	6450

17% No. Garnet

W	5.7	6610
CL	5.8	6600
L	5.9	6590
C	6.2	6560
L	6.1	6510
CL	6.2	6560
E	6.2	6560

7177

195 N. Garnet

E		5.6	6620
C		5.9	6590
W		5.8	6600
C		5.6	6620
W		5.5	6630
C		5.5	6630
W		5.1	6670

220 N. Garnet

W		4.0	6740
C		4.7	6710
W		4.8	6700
C		4.9	6690
W		5.2	6660
C		5.3	6650
E		5.1	6670

245 N. Garnet

E		4.5	6730
C		4.7	6710
W		4.5	6730
C		4.4	6740
W		4.2	6760
C		4.1	6770
W		3.6	6820

270 N. = S.L. Feldspar (8' wide - 2 sidewalks)

W		3.4	6840
C		3.6	6820
W		3.5	6830
C		3.6	6820
W		4.1	6770
C		4.1	6770
E		4.0	6780

7177

So. A Feldspar.

E	3.5	6830
A	3.7	6810
4	3.7	6810
C	3.3	6850
4	3.7	6860
A	3.3	6850
W	2.6	6920

So 4 Feldspar.

W	2.3	6950
A	2.6	6920
4	2.9	6890
C	3.1	6870
4	3.4	6840
A	3.3	6850
E	3.3	6850

Broadway

Ctr Felspar

E	3.3	6850
A	3.2	6860
4	3.0	6880
C	2.7	6910
4	2.3	6950
A	1.9	6990
W	1.7	7010

No 4 Felspar.

W	3.0	6980
A	3.2	6960
4	3.4	6940
C	3.6	6920
4	3.8	6900
A	3.9	6890
E	3.0	6880

71.77

	No. U Felspar			
E			2.8	6900
U			2.8	6900
L			2.8	6900
C			2.5 3.2	6930 68.60
L			2.1 2.8	6970 6900
U			1.8 2.5	7000 6910
W			1.6 2.4	7020 6940
	No. line Felspar			
W			1.3	7050
U			1.7	7010
L			1.8	7000
C			2.1	6970
L			2.4	6940
U			2.4	6940
E			2.2	6960
T.P.	969	79.31	2.15	69.62

	25 No			
E			9.4	6990
U			9.5	69.80
L			9.3	70.00
C			9.2	7010
L			9.0	7030
U			8.6	7070
W			8.4	7090
	50 No			
W			8.1	7120
U			8.5	7080
L			8.6	7070
C			8.8	7050
L			8.9	7040
U			9.3	7000
E			8.8	7050

79.31

75 No. Feldspar

E	8.3	7100
U	8.7	7060
L	8.7	7060
C	8.6	7070
L	8.5	7080
U	8.2	7110
W	7.8	7150

100 No. Feldspar

W	7.6	7170
U	7.9	7140
L	8.1	7120
C	8.2	7110
L	8.3	7100
U	8.0	7130
E	7.8	7150

Broadway

S.L. Alley 125 No. Feldspar St 100 wide

E	6.8	7250
U	7.5	7180
L	7.8	7180
C	7.7	7160
L	7.4	7190
U	7.3	7200
W	7.4	7190

N.L. Alley 145 No. Feldspar - St. 80 wide

W	7.0	7230
U	6.9	7240
L	7.0	7230
C	7.0	7230
L	7.1	7220
U	7.3	7200
E	7.1	7220

Note - At No. line Alley bet Feldspar and Emerald St. narrows from 100' in width to 80' in width. Sidewalks remain 20' wide.

79.31

170 No. Feldspar.

E	6.4	7290
U	6.7	7260
L	6.6	7270
C	6.5	7280
L	6.5	7280
U	6.4	7290
W	6.3	7300

195 No.

W	6.0	7330
U	5.9	7340
L	5.9	7340
C	5.7	7360
L	6.1	7320
U	6.2	7310
E	5.8	7350

220 No.

E	5.3	7400
U	5.8	7350
L	5.6	7370
C	5.3	7400
L	5.4	7390
U	5.5	7380
W	5.7	7360

245 No.

W	5.3	7400
U	4.7	7460
L	4.9	7440
C	5.0	7430
L	5.1	7420
U	5.1	7420
E	4.7	7460
BM Hub S.E Emerald	4.23	75.08

POSTED

1931

770 N. S.L. Emerald. (80' wide - 20 sidewalks)

E		4.2	7510
4		4.9	7440
4		4.1	7490
C		4.1	7490
4		4.3	7500
4		4.3	7500
W		4.8	7450
	So. 4		
W		4.1	7490
4		4.0	7530
4		4.1	7520
C		4.1	7520
4		4.1	7520
4		4.0	7530
E		3.6	7570

Broadway

	So. 4		
E		3.1	7590
4		3.8	7550
4		3.8	7550
C		3.8	7550
4		3.8	7550
4		3.9	7540
W		4.1	7520
	Ctr.		
W		4.0	7530
4		3.7	7560
4		3.8	7550
C		3.8	7550
4		3.7	7560
4		3.7	7560
E		3.3	7600

7931

L	N. ¼ Emerald.		
E		2.9	7640
Cb		3.5	7560
L		3.4	7590
C		3.5	7585
L		3.6	7570
Cb		3.5	7580
W		3.8	7550
	N. Cb.		
W		3.6	7570
Cb		3.1	7620
L		3.2	7610
C		3.3	7600
L		3.2	7510
Cb		3.4	7590
E		2.7	7660

	No line Emerald.		
E		2.1	7720
Cb		3.0	7630
L		2.6	7670
C		2.7	7660
L		2.9	7640
Cb		3.0	7630
W		3.5	7580
	25 No		
W		3.1	7620
Cb		2.6	7670
L		2.4	7690
C		2.0	7730
L		1.9	7640
Cb		2.1	7720
E		1.1	7820

79.31

60 N. Emerald

E			0.2	7910
W			1.2	7810
W			1.3	7800
W			1.7	7760
C			2.0	7730
W			2.0	7730
W			2.2	7710
W				
T.P.	10.20	88.03	1.48	77.83

75 N.

W			10.3	7770
W			10.0	7800
W			10.0	7800
C			9.7	7830
W			9.5	7850
W			9.5	7850
E			8.6	7930

Broadway

100 N.

E			8.2	7920
W			9.0	7900
W			8.9	7910
C			9.0	7900
W			9.3	7870
W			9.3	7870
W			9.9	7810

125 N. 52 Alley

W			9.5	7850
W			8.9	7910
W			8.8	7920
C			8.3	7970
W			8.0	8000
W			8.2	7980
E			7.7	8030

8803

145 N. Emerald - N.L. Alloy

E	7.2	8080
a	7.9	8010
u	7.9	8010
o	8.0	8000
y	8.4	7960
a	8.6	7940
w	9.0	7900

170 N.

w	8.5	7950
a	8.0	8000
u	7.9	8010
o	7.4	8060
y	7.4	8060
a	7.5	8050
E	6.5	8150

195 N.

E	5.9	8210
a	6.9	8110
u	6.8	8120
o	6.9	8110
y	7.2	8080
a	7.4	8060
w	7.8	8020

220 N.

w	6.9	8110
a	6.5	8150
u	6.6	8140
o	6.3	8170
y	6.3	8170
u	6.3	8170
E	5.4	8260

Pg. 3

245 N. Emerald

E	4.9	8310
"	5.9	8210
"	5.6	8240
"	5.8	8220
"	6.0	8200
"	6.3	8170
"	6.9	8110

271 No. 5th. Diamond

W	6.2	8180
"	5.6	8240
"	5.4	8260
"	5.0	8300
"	4.9	8310
"	5.2	8280
"	4.2	8380
E		

Broadway

50 Ave.

E	3.8	8420
"	5.0	8300
"	4.6	8340
"	4.8	8320
"	5.1	8290
"	5.4	8260
"	5.9	8210

50 th

W	6.1	8190
"	5.5	8250
"	5.2	8280
"	4.9	8310
"	4.7	8330
"	4.7	8330
E	4.0	8400

88.03

Ctr Diamond

E	2.8	8420
SE	3.9	8410
¼	4.2	8380
S	4.5	8360
¼	4.6	8340
SW	5.2	8280
W	5.7	8230

N/O ¼

W	5.7	8230
SW	5.2	8280
¼	5.1	8290
S	4.8	8320
¼	4.6	8340
SE	4.3	8370
E	4.1	8390

N/O Ctr.

E	3.0	8500
SE	3.8	8420
¼	3.8	8420
S	4.2	8380
¼	4.5	8350
SW	4.9	8310
W	5.3	8270

N.W. Diamond

W	5.0	8300
SW	4.8	8320
¼	4.3	8370
S	3.7	8430
¼	3.5	8450
SE	3.5	8450
E	3.0	8500

BM. Spk Fence Post N.W. Dmd 4.60 8343

88.03

25 W. Diamond.

E	2.6	8540
C	2.8	8520
L	3.1	8490
C	3.3	8470
L	3.8	8420
C	4.4	8360
W	4.8	8320

50 W.

W	4.5	8350
C	4.3	8370
L	3.8	8420
C	3.2	8480
L	2.9	8510
C	2.5	8550
E	2.1	8590

Broadway

75 W.

E	1.5	8650
C	2.2	8580
L	2.4	8560
C	3.0	8500
L	3.4	8460
C	3.9	8410
W	4.1	8390

101 W.

W	3.7	8430
C	3.2	8480
L	2.9	8510
C	2.4	8560
L	2.3	8570
C	1.9	8610
E	1.4	8660

88.03

125 N.: Diamond

E			1.0	8700
W			1.8	8620
¼			1.9	8610
C			2.1	8590
¼			2.6	8540
W			2.9	8510
N			3.3	8470
	145 N.: N.L. Alley			
W			3.1	8490
W			2.7	8530
¼			2.1	8590
C			1.7	8630
¼			1.7	8630
W			1.3	8670
E			0.7	8730
T.P.	10.72	98.28	0.47	87.56

170 N.

E			10.4	87.90
W			11.2	87.10
¼			11.4	86.90
C			11.8	8650
¼			11.9	8640
W			12.4	8590
W			13.1	8520
	195 N.:			
W			12.4	8590
W			12.0	8630
¼			11.5	8680
C			11.2	8710
¼			10.8	8750
W			10.9	8740
E			9.8	8850

98.28

	220 No Diamond.		
E		9.2	89.10
W		10.1	8870
W		10.2	8810
C		10.7	8760
W		10.8	8750
W		11.2	8710
W		11.9	8640
	245 No		
W		11.2	87.10
W		10.5	87.80
W		10.2	8810
C		9.9	8840
W		9.4	8890
W		9.4	8890
E		8.4	8990

Broadway

	270 No - S.L. Missouri.		
E		7.8	9050
W		8.8	8950
W		8.7	8960
C		9.1	8920
W		9.4	8890
W		9.7	8860
W		10.4	8790
	50 W Missouri.		
W		9.9	8840
		10.5	87.80
W		9.2	8910
W		8.6	8970
C		8.1	9070
W		7.9	9040
W		8.1	9020
E		7.0	9130

98.28

So'd Missouri

E	6.7	9160
W	7.7	9060
E	7.6	9070
C	7.9	9040
E	8.4	8990
W	8.7	8960
W	9.3	8900

Ctr

W	8.5	8980
W	7.8	9050
E	7.7	9060
C	7.5	9080
E	7.5	9080
W	7.3	9100
E	6.4	9190

No'd

E	6.0	9230
W	6.9	9140
E	6.9	9140
C	7.1	9120
E	7.4	9090
W	7.9	9040
W	8.5	8980

No. Cb.

W	8.3 9.3	9000 8900
W	7.7 8.4	9060 8990
E	7.4	9090
C	7.0	9130
E	6.8	9150
W	6.5	9180
E	5.6	9270

98.20

No line Missouri

E	5.0	9330
U	5.9	9240
L	6.1	9220
C	6.3	9200
L	6.8	9150
U	7.2	9110
M	7.7	9060

25 No

W	7.1	9120
U	6.4	9190
L	5.9	9240
L	5.4	9290
C	5.3	9300
W	5.0	9330
U	4.1	9420
E		

Broadway

50 No

E	3.1	9520
U	4.3	9400
L	4.3	9400
C	4.7	9360
L	5.4	9290
U	5.8	9250
W	6.4	9190

75 No

W	5.8	9250
U	6.0	9330
L	4.4	9390
C	3.8	9450
L	3.4	9490
U	3.3	9500
E	2.3	9600

98.28

100 No. Missouri.

E	1.7	9660	
℄	2.7	9560	
¼	2.6	9570	
C	3.1	9520	
¼	3.7	9460	
℄	4.2	9410	
W	4.7	9360	

125 No. - St. Alley

W	4.1	9420	
℄	3.5	9480	
¼	3.0	9530	
C	2.4	9590	
¼	2.0	9630	
℄	2.1	9620	
E	0.7	9760	
T.P.	12.69	109.73	1.14	97.04

146 No. - St. Alley

E	11.8	97.90	
℄	13.0	9670	
¼	13.6	9620	POSTED
C	13.2	9650	
¼	13.8	9590	
℄	14.1	9560	
W	14.7	9500	

170 No.

W	13.8	9590	
℄	12.1	9660	
¼	12.6	9710	
C	12.5	9720	
¼	12.1	9760	
℄	12.3	9740	
E	11.2	9850	

109.73

7/2/07 { Dawn Moore Emery

195 No. Missouri

E	10.4	9930	
a	11.4	9830	
½	11.5	9820	
c	11.4	9830	
½	11.7	9800	
a	11.2	9850	
W	13.2	9650	

220' No.

W	12.2	9750	
a	11.5	9820	
½	11.0	9870	
c	10.5	9920	
½	10.6	99.10	
a	10.2	9950	
E	9.2	100.50	

Broadway

245 No.

E	8.2	101.50	
a	9.4	100.30	
½	9.5	100.20	
c	9.5	100.20	
½	10.3	9940	
a	10.8	9890	
W	11.5	9820	

270 No. = S.L. Chalcedony = 80 wide - 20' sidewalk

W	10.7	9900	
a	9.9	9980	
½	9.6	100.10	
c	8.8	100.90	
½	8.3	101.40	
a	8.3	10140	
E	7.6	102.10	

109.73

So Ch. Chalcedony.

E	6.8	102.90
C	7.9	101.80
¼	8.0	101.70
C	8.2	101.50
¼	8.8	100.90
C	9.2	100.50
W	10.1	9960

So ¼

W	9.7	100.00
C	8.8	100.90
¼	8.1	101.60
C	7.8	10190
¼	7.7	102.00
C	7.6	102.10
E	6.4	103.30

Ch

E	6.2	103.40
C	7.0	102.70
¼	7.2	102.40
C	7.5	102.20
¼	7.8	101.90
C	8.4	10130
W	9.4	100.30

No ¼

W	9.0	100.70
C	7.9	101.80
¼	7.3	10240
C	7.0	10270
¼	6.7	103.00
C	6.2	103.50
E	5.8	103.90

1097.3

No. Ch. Chalcedony

E	6.3	104.40
C	5.9	103.80
N	6.2	103.50
C	6.5	103.30
W	6.8	102.90
C	7.4	102.30
NW	8.6	101.10

No. line

W	8.1	101.60
C	6.6	103.10
W	5.9	103.80
C	5.6	104.80
W	5.4	104.30
C	5.1	104.60
E	4.3	105.40

B.M. Spk Post 50' No. of NE Cor Chalcedony 1.83 → 1079.0

Broadway

25' No.

E	3.1	106.60
C	4.1	105.60
W	4.8	104.90
C	4.5	105.20
W	5.1	104.60
C	5.8	103.90
W	7.1	102.60

50' No.

W	6.3	103.40
C	4.8	104.90
W	4.2	104.40
C	3.9	105.80
W	4.0	105.70
C	3.0	106.70
E	2.5	107.20

10973

75 No. Chalcedony

E	2.1	107.60
C	2.7	107.00
S	3.3	106.40
C	3.9	105.80
S	4.2	105.50
C	4.7	105.00
W	6.2	103.50

101 No.

W	6.3	103.40
C	4.6	105.10
S	4.3	105.40
C	3.7	106.00
S	2.9	106.80
C	2.8	106.90
E	2.0	107.70

145 No. S.L. Alley

E	1.8	107.90
C	2.7	107.00
S	3.0	106.70
C	3.2	106.50
S	3.8	105.90
C	4.5	105.20
W	5.3	104.20

145 No. N.L. Alley

W	4.6	105.10
C	4.2	105.50
S	3.5	106.20
C	3.0	106.70
S	2.6	107.10
C	1.9	107.80
E	1.1	108.60

109.73

170 W. Chalcedony

E			0.4	109.30
a			1.1	108.60
4			1.6	108.10
C			1.9	107.80
4			2.6	107.10
a			3.8	105.90
W			4.7	105.0
T.P	111.46	118.73	2.76	107.27

195 W.

W			13.5	105.20
a			12.0	106.70
4			11.2	107.50
C			10.7	108.00
4			10.0	108.70
a			9.3	109.40
E			8.4	110.30

Broadway

220 W.

E			7.7	111.00
a			9.1	109.60
4			9.9	108.80
C			10.6	108.10
4			11.3	107.40
a			11.8	106.90
W			13.3	105.40

245 W.

W			12.9	105.80
a			12.1	106.60
4			11.3	107.40
C			10.3	108.40
4			9.7	109.00
a			8.9	109.80
E			7.7	111.50

118.73

270 N. Chalcedony = S. L. Law (80 wide 20 sidewalk)

E		6.6	112-10
ab		8.4	110.30
¼		9.3	109.40
c		10.0	108.70
¼		10.7	108.00
ab		11.5	107.20
W		12.4	106.30

So ab.

W		12.1	106.60
ab		10.8	107.90
¼		10.2	108.50
c		9.3	109.40
¼		8.4	110.30
ab		7.9	110.80
E		6.0	112.70

So ¼

E		5.6	113.10
ab		7.7	111.00
¼		8.4	110.30
c		9.3	109.40
¼		10.0	110.70
ab		10.7	110.00
W		11.7	107.00

Ctr

W		11.2	107.50
ab		10.3	108.40
¼		9.7	109.00
c		9.0	109.70
¼		8.2	110.50
ab		7.2	111.50
E		5.1	113.60

11673

N. & W. Law

E	4.F	113.90
[illegible]	7.0	111.70
[illegible]	7.9	110.80
[illegible]	8.7	110.00
[illegible]	9.[illegible]	109.30
[illegible]	9.9	108.80
W	10.9	107.80

N. & W.

W	10.6	108.1
[illegible]	9.6	109.10
[illegible]	9.0	109.70
[illegible]	8.1	110.60
[illegible]	7.[illegible]	111.30
[illegible]	6.5	112.20
E	4.[illegible]	114.30

N. & W. line

E	3.[illegible]	115.30
[illegible]	5.8	112.90
[illegible]	6.8	111.90
[illegible]	7.[illegible]	111.10
[illegible]	8.[illegible]	110.30
[illegible]	8.9	109.80
W	10.0	108.70

N. & W.

W	9.0	109.70
[illegible]	7.9	110.80
[illegible]	7.3	111.40
[illegible]	6.[illegible]	112.30
[illegible]	5.5	113.20
[illegible]	[illegible].6	114.10
E	[illegible].[illegible]	116.30

1873

50 No Lawn

E			1.2	117.50
C			3.6	115.10
L			4.4	114.30
C			5.4	113.30
L			6.0	112.70
C			6.7	112.00
W			7.9	110.80

75 No

W			6.2	112.50
C			5.5	113.20
L			5.1	113.60
C			4.0	114.70
L			3.0	115.70
C			2.2	116.50
T.R	9.52	126.81	1.44	117.29
E			8.0	118.8

Broadway

100 No

E			6.5	120.30
C			8.8	118.00
L			9.7	117.10
C			10.5	116.30
L			11.7	115.10
C			12.1	114.70
W			12.7	114.10

125 No. S.L Alley

W			11.4	115.40
C			10.7	116.10
L			10.1	116.70
C			9.4	117.40
L			8.3	118.50
C			7.5	119.30
E			4.9	121.90

126.81

145 No Low - N.L. Alley

E			2.7	124.10
W			5.5	121.30
W			6.4	120.40
C			7.7	119.10
W			8.4	118.40
W			8.8	118.00
W			9.7	117.10

170 No

W			7.6	119.20
W			6.6	120.20
W			6.3	120.50
C			5.7	121.10
W			4.9	121.90
W			3.8	123.00
E			1.0	125.80

195 No

E			0.2	126.60
W			2.2	124.60
W			2.8	124.00
C			3.6	123.20
W			4.3	122.50
W			4.9	121.90
W			5.9	120.90

220 No

W			4.3	122.50
W			3.4	123.40
W			2.8	124.00
C			2.1	124.70
W			1.4	125.40
W			0.5	126.30
T.P.	6.26	134.70	0.37	126.44
E			7.0	127.7

1348.

245 N. Law

E		5.6	129.70
"		7.3	127.50
"		7.9	126.90
"		9.0	125.80
"		9.5	125.30
"		10.2	124.60
"		11.4	123.40
W			

271 N. Law - 32. Berth - 80 wide - 26 sidewalks

W		9.5	125.30
"		8.5	126.30
"		8.0	126.80
"		7.9	126.90
"		6.8	128.00
"		6.3	128.50
E		4.0	130.80

Broadway
So.

E		2.8	132.00
"		4.7	130.10
"		5.5	129.30
"		6.2	128.60
"		7.0	127.80
"		7.7	127.10
W		8.4	126.40

So 4

W		7.7	127.19
"		6.9	127.90
"		6.3	128.50
"		5.5	129.30
"		4.8	130.00
"		3.9	130.90
E		1.7	133.10

134.80

Ctr Beryl.

E			0.4	134.40	
Cb			2.8	132.00	
Lx			4.1	130.70	
C			4.8	130.00	
Lx			5.6	129.20	
Cb			6.2	128.60	
W			7.1	127.70	

No 2

W			6.3	128.50	
Cb			5.2	129.60	
Lx			4.6	130.20	
C			3.6	131.20	
Lx			2.6	132.20	
Cb			1.0	133.80	
T.P.	10.16	141.21	3.65	131.05	BM Hub. N.W Bryl.
E			5.6		

No Cb.

E			4.3	136.90	
Cb			6.7	134.50	
Lx			7.9	133.30	
C			9.3	131.90	
Lx			10.3	130.90	
Cb			11.1	130.10	
W			12.0	129.20	

No line Beryl

W			10.0	131.20	
Cb			9.1	132.10	
Lx			8.1	133.10	
C			6.9	134.30	
Lx			5.7	135.50	
Cb			4.4	136.80	
E			2.0	139.20	

Broadway - Grand South

	1.73	57.73			56.00 BM.
	1.73	25' So Grand			
W			1.3	56.40	
a			2.8 3.5	54.90 54.20	
½			3.2	54.50	
c			3.1	54.60	
½			4.1	53.60	
a			5.1	52.60	
E			5.5	52.20	
		50' So Grand			
E			5.9	51.80	
a			5.7 6.0	52.00 51.30	
½			4.7	53.00	
c			3.7	54.00	
½			3.6	54.10	
a			4.1 3.3	53.60 54.40	
W			1.7	56.00	

		75' So		
W			2.6	55.10
a			4.3	53.40
½			4.2	53.50
c			4.1	53.60
½			5.2	52.50
a			6.8 6.0	50.90 51.70
E			6.4	51.30
		100' So		
E			7.1	50.60
a			6.5 7.1	51.20 50.60
½			5.6	52.10
c			4.6	53.10
½			4.7	53.00
a			5.2 4.4	52.50 53.30
W			3.0	54.70

57.73

125 S. Grand. N.L. Alley

W		3.6	52 10
		4.9	52 80
C		5.9	51 80
4		5.2	52 50
C		5.1	52 60
4		6.6	51 40
		7.7	50.00
C		6.9	50 80
E		75	50 20

145 So. S. L. Alley

E		7.8	49.90
		7.4	50 30
C		8.2	49.50
4		6.5	51 20
C		6.5	51 20
4		5.7	52 00
		4.5	51 20
C		6.5	52 20
W		3.9	53 80

Broadway

170 So.

W		4.5	53 20
		5.7	52 00
C		6.9	50 80
4		6.1	51 60
C		5.9	51 80
4		7.1	50 60
		8.7	49.00
C		7.8	49.90
E		8.2	49.50

195' So.

E		8.6	49.10
		8.2	49.50
C		9.2	48 50
4		7.5	50.70
C		6.3	51 40
4		6.6	51 10
		7.0	50 70
C		6.1	51 60
W		4.6	53 10

57.73

220' So Grand

W	5.1	5260
Cl	6.6 7.2	5110 5050
L	6.8	5090
C	6.7	5100
L	7.8	4990
Cl	9.0	4870
E	9.1	4860

245' So

E	9.6	4810
Cl	9.1 9.8	4860 4790
L	8.1	4960
C	7.0	5070
L	7.4	5030
Cl	7.5 6.8	5020 5090
W	5.4	5230

270' So - N.L. Thomas 80' wide 20' walks

W	6.1	5160
Cl	7.7	5000
L	7.5	5020
C	7.5	5020
L	8.6	4910
Cl	10.2 9.6	4750 4810
E	10.0	4770

N. Cl

E	10.3	4740
Cl	9.8 10.5	47.90 4720
L	8.6	49.10
C	7.7	5000
L	7.9	4980
Cl	8.4 7.5	49.30 5020
W	6.4	51.30

5773

No 4 Thomas

W	6.6	5110
C	7.8	4990
4	7.9	4980
C	7.9	4980
4	9.0	4870
	10.6	4710
C	9.9	4780
E	10.5	4720

Ctr

E	10.2	4750
	9.9	4780
C	10.8	4690
4	9.0	4870
C	7.9	4980
4	8.0	4970
C	7.7	5000
W	6.2	5150

Broadway

So 4

W	6.8	5090
	8.0	4970
C	8.8	4890
4	8.2	4950
C	8.0	4970
4	9.3	4840
	10.9	4680
C	10.1	4760
E	10.8	4690

So Ch

E	11.2	4650
	10.4	4730
C	11.0	4670
4	9.4	4830
C	8.1	4960
4	8.5	4920
	9.2	4850
C	8.3	4940
W	7.4	5030

57.73

So line Thomas

W			7.3	5040
U			8.3 9.9	4940 4780
L			8.6	4910
C			8.4	4930
L			9.8	4790
U			11.2	4650
E			11.3	4640
TP	4.90	51.30	11.33	46.40 — BM Nut S. E Thomas

25' So

E			5.2	4610
U			4.7 5.5	4660 4580
L			3.7	4760
C			2.4	4890
L			2.6	4870
U			3.6 2.2	4770 4910
W			1.2	5010

50' So

W			1.5	4980
U			2.5 .40	4880 4730
L			2.8	4850
C			2.7	4860
L			4.2	4710
U			5.7 5.1	4560 4620
E			5.5	4580

75' So

E			6.0	4530
U			5.5 6.1	4580 4520
L			4.5	4680
C			3.2	4810
L			3.2	4810
U			4.3 2.9	4700 4840
W			1.8	4950

5130

100 So Thomas

VV	2.0	4930
	3.2	4810
U	4.6	4670
U	3.7	4760
U	3.6	4770
U	5.0	4630
U	6.4	44.90
U	5.8	4550
E	6.3	4500

125 So Alley

E	6.9	4440
	6.2	4510
U	6.8	4450
U	6.3	4600
U	4.0	4730
U	4.2	4710
U	4.8	4650
U	3.5	4780
W	2.6	4870

Broadway

145 So Alley

W	2.7	4860
	3.7	4760
U	5.4	4590
U	4.3	4700
U	4.0	4730
U	5.7	4560
U	7.2	4410
U	6.5	4480
E	7.2	4410

170 So

E	7.6	4470
	7.0	4430
U	7.6	4370
U	6.0	4530
U	4.9	4690
U	4.8	4650
U	5.8	4550
U	4.9	4690
W	3.3	4800

51.30

1950 Thomas

N	3.8	4750
	4.5	4680
	6.0	4530
	6.2	4610
	4.6	4670
	6.5	4480
	7.7	4360
	7.3	4400
E	8.1	4320

2020 50

E	8.0	4330
	7.6	4370
	8.1	4320
	6.5	4480
	4.8	4650
	5.4	4590
	6.5	4480
	5.0	4630
W	3.9	4740

1945 50

W	4.6	4670
	5.6	4570
	6.6	4470
	5.3	4600
	4.9	4640
	6.6	4470
	8.5	4280
	7.8	4350
E	8.1	4290

~10 50 = N.L. Reed (80' St - 70' Walks.)

E	8.9	4240
	8.4	4290
	8.9	4280
	6.1	4490
	6.2	4610
	5.4	4590
	7.3	4400
	5.9	4540
W	5.0	4630

BM Spkin Palo N.W. Reed. 5.30 4600

5.20

No A Reed.

W	5.1	4620
U	6.8	4450
4	5.2	4610
C	5.1	4620
4	6.8	4450
W	8.6	4270
E	8.8	4250

No 4

E	8.5	4280
Q	8.4	4290
4	6.5	4480
C	6.0	4630
4	5.2	4610
W	5.7	4560
III	6.2	4510

Ctr.

W	5.2	4610
U	5.8	4550
4	5.4	4590
C	5.1	4620
4	6.5	4480
W	8.1	4320
E	8.7	4260

So 4

E	8.6	4270
Q	8.1	4320
4	6.5	4480
C	5.2	4610
4	5.5	4580
4	5.8	4550
III	5.6	4570

51.30

So A. Reed.

W	5.7	4560
A	6.1	4520
L	5.4	4590
C	4.9	4640
L	6.9	4440
A	8.3	4300
E	8.6	4270

So line

E	8.4	4290
A	8.2	4310
	8.7	4260
L	6.4	4490
C	4.8	4650
L	6.6	4570
A	7.1	4420
	6.4	4490
W	5.4	4590

Broadway

25' So Reed.

W	5.5	4580
A	6.6	4470
	7.0	4430
L	5.4	4590
C	4.8	4650
L	6.1	4520
A	8.6	4270
	7.9	4340
E	8.1	4320

50' So.

E	7.6	4370
A	7.6	4370
3 W A.	7.6	4370
	8.2	4310
L	6.6	4470
C	4.9	4640
L	5.6	4570
A	7.1	4420
	6.4	4490
W	5.7	4560

51.30

75 So Reed.

W		5.3	4600
C		6.5	4480
L		6.5	4580
C		4.9	4640
L		6.3	4500
4' W of C		{7.5 6.9	4380
C		7.0	4440
			4430
E		7.0	
T P.	12.03 56.58	6.75	44.65

100 So Reed.

E		11.6	4500
C		11.6	4500
3' W. C		11.6	4500
		12.1	4450
L		11.2	4540
C		10.1	4650
L		10.5	4610
C		11.6	4500
3' W C.		11.0	4560
W.		10.2	4620

125 So - W. Alley

W		10.1	4650
2' W C.		10.6	4600
C		11.2	4540
L		10.2	4640
C		9.8	4680
L		10.7	4590
3' W C		{11.5 10.6	4510
C		10.6	4600
E		10.5	4610

145' So - S. L Alley

E		9.6	4700
C		9.7	4690
2' W C		{9.7 10.8	4690
L		10.0	4580
C		9.5	4710
L		10.0	4660
C		11.0	4560
2' W C.		10.1	4650
W		9.6	4700

56.58

170' So Road

W	8.9	4770
4' W Ch.	9.3	47.30
"	10.1	4650
"	9.5	4710
C	9.0	4760
"	9.7	4690
5' W Ch.	10.1	4650
"	8.6	4800
"	8.6	4800
E	8.5	4810

195' So

E	8.0	4860
"	8.0	4860
3' W. Ch.	8.0	4860
"	9.4	4720
"	9.0	4760
C	8.6	4800
"	8.8	4780
"	9.4	4720
6' W Ch.	8.2	4840
W	8.0	4860

220' So

W	7.3	4930
4' W Ch.	7.5	4910
"	8.7	4790
"	8.1	4850
C	7.7	4890
"	8.6	4800
6' W Ch.	8.8	
"	7.0	4780
		4960
E	7.3	4930

245' So

E	6.6	5000
"	6.4	5020
4' W Ch.	6.4	5020
"	8.5	4780
"	8.3	4830
C	7.2	4940
"	7.6	4900
"	8.0	4860
3' W Ch.	6.3	5030
W	5.9	5070

56.58

270 So Reed N.L. Oliver (-80 St - 20 Blks)

W			4.7	51 90
6' W. Cr.			5.1	51 50
℄			6.5	50 10
7' E Cr.			7.4	49 20
¼			7.0	49 60
C			6.7	49 90
¼			7.9	48 70
4' W. Cr.			{8.0 / 6.2	48 60
℄			6.2	50 40
E			6.3	50 30

No ℄.

E			6.4	50 20
℄			6.2	50 40
3' W Cr.			{6.2 / 7.8	50 40
¼			7.7	48 80 / 48 90
C			6.4	50 20
¼			6.9	49 70
℄			6.4	50 20
W			4.7	51 90

Broadway

No 4

W			4.3	52 30
℄			5.9	50 70
¼			6.9	49 70
C			6.7	49 90
¼			7.8	48 80
4' W Cr.			{7.8 / 6.2	48 80 / 50 40
℄			6.2	50 40
E			6.5	50 10

Ctr.

E			6.4	50 20
℄			{6.4 / 7.6	50 20 / 49 00
¼			7.8	48 80
C			6.7	49 90
¼			7.0	49 60
℄			5.7	50 90
7' W Cr.			4.2	52 40
W			4.0	52 60

56.58

So 4 Oliver

W	4.0	5260
C	6.0	5060
4	6.8	4980
C	6.5	5010
4	7.6	4900
4 W Ck	7.5	4910
	6.5	5010
C	6.5	5010
E.	6.5	5010

So Ck.

E	6.4	5020
Ck.	6.2	5040
2 W Ck	6.2	5040
	7.2	4900
4	7.6	4900
C	6.3	5030
4	6.9	4970
C	6.0	5060
W	4.2	5240
BM Spk Pole S.W Oliver.	3.48	53.10

So line

4	3.9	5270
5 W Ck.	4.8	5180
C	6.6	5000
		4980
4	6.8	POSTED
C	6.4	5020
4	7.5	4916
3 W Ck	7.6	4900
	6.3	5030
C	6.3	5030
E	6.6	5000

25 So.

E	7.0	4960
C	6.6	5000
2 W Ck.	7.6	5000
		4910
4	7.1	4950
C	6.9	5070
4	6.7	4990
C	6.9	4970
4 W Ck.	5.1	5150
W	4.4	5220

56.58

50 So Oliver.

W	4.7	5190
3 W ct.	5.8	5080
ct	7.2	4940
"	6.5	5010
c	6.9	5070
"	7.2	4940
3 W ct.	8.1	4850
ct	7.1	4950
		4950
E	7.3	4930

75 So Oliver.

E	7.5	4910
"	7.4	4920
	8.0	4860
"	7.4	4920
c	6.3	5030
"	6.4	5070
ct	7.0	4910
3 W ct	6.3	5080
W	5.4	5170

Broadway

100 So Oliver.

W	6.0	5060
ct	6.8	4980
	7.9	4870
"	7.1	4950
c	6.5	5010
"	7.9	4870
3 W ct.	8.7	4790
ct	7.9	4870
		4870
E	8.0	4860

125 So Oliver - N. & Alley

E	8.4	4820
ct	8.2	4840
3 W ct.	8.2	4840
	9.0	4760
"	7.8	4880
c	7.2	4940
"	7.6	4900
ct	8.5	4810
	7.5	4910
W	6.7	4990

56.58

145 50 Oliver : SL Alloy

W		6.9	4970
C		7.9	4870
		8.7	4790
L		8.1	4850
C		7.3	4930
L		8.7	4790
4' W C		9.4	4720
C		8.6	4800
		8.2	4800
E		8.8	4780

170 50 Oliver

E		9.2	4740
C		9.1	4750
4' W C		9.1	4750
		9.9	4670
L		9.1	4750
C		7.6	4900
L		8.6	4800
C		9.4	4720
		8.5	4810
W		7.7	4890

195 50

W		8.5	4810
C		9.1	4750
		10.0	4660
L		9.0	4760
C		8.3	4830
L		9.5	4710
5 W C		10.1	4650
C		9.6	4720
		9.4	4720
E		9.6	4700
1.12	3.22	49.99	9.83 46.75

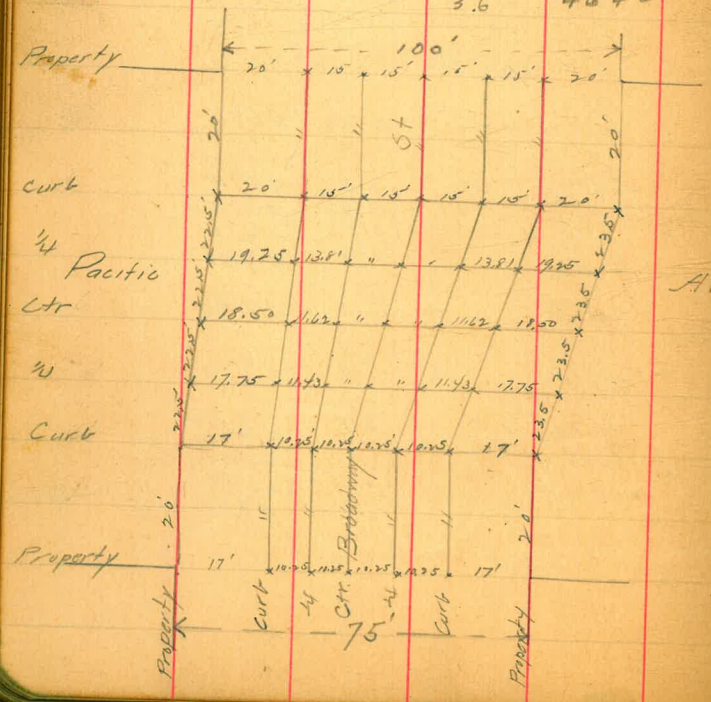
220 50

E		3.3	4670
C		3.3	4670
3 W C		3.3	4670
		3.9	4610
L		2.6	4740
C		2.1	4790
L		2.9	4710
C		3.9	4610
3 W C		3.6	4640
		3.1	4690
W		2.6	4740

7/5/07 { Davis, Moore, Emmy } 4.9.99

270 So. Oliver = N.L. Pacific Ave. 20' Sidewalk

W	3.1	4690
4' W Cb	{3.6 / 4.5	4640 / 4550
Cb	4.5	4550
¼	3.0	4700
C	2.5	4750
¼	3.4	4660
4' W Cb	{4.3 / 3.1	4570
Cb	3.6	4640
		4640
E	3.6	4640



Broadway

TP	5.16	50.44	4.71	45.28

BM S. W. Cor Pacific Ave Spk in Pole

57

No. Cb. Pacific Ave.

E	4.5	4600
Cb	4.5	4600
2' W Cb	5.4	4510
¼	4.2	4630
C	3.3	4720
¼	3.9	4660
Cb	5.3	4520
3' W Cb	{5.1 / 4.5	4540 / 4600
W	4.3	4620

No. ¼

W	4.4	4610
Cb	{4.8 / 5.5	4570 / 4500
¼	4.1	4640
C	3.6	4690
¼	4.2	4630
Cb	5.3	4520
4' E Cb	{5.2 / 4.6	4530
E	4.7	4590 / 4590

5.44

Ctr Pacific Ave.

E	4.8	4570
Ct	5.0	4550
½	4.1	4640
C	4.0	4650
¼	4.8	4580
3 E Ct.	5.0	4550
	4.9	4560
Ct	4.9	4560
W	4.8	4570

So ¼

W	5.0	4550
Ct	5.0	4550
5 E Ct	5.0	4550
	4.8	4570
¼	4.7	4580
C	4.4	4610
¼	4.4	4610
Ct	5.2	4530
7 E Ct.	5.4	4510
	5.0	4550
E	5.0	4550

So Ct.

E	5.4	4510
Ct	5.3	4520
½	4.1	4610
C	4.6	4590
¼	5.6	4490
4 E Ct	5.7	4430
	5.1	4540
Ct	5.1	4540
W	5.3	4520

Solano Pacific Ave.

W1	5.3	4520
Ct	5.2	4530
4 E Ct.	5.0	4550
	5.3	4420
¼	5.5	4500
C	4.7	4580
¼	4.8	4570
Ct	5.8	4470
3 E Ct.	5.1	4540
E	5.5	4500

50.44

50' So Pacific Ave

E		5.5	4500
Ch		5.4	4510
3 W Ch.		{5.4 / 6.0	4510
1/4		5.2	4450
			4530
C		5.1	4540
1/4		5.6	4490
3 W Ch.		{6.5 / 5.2	4400
Ch		5.4	4540
			4510
W.		5.5	4500

100' So

W		6.0	4450
Ch		6.0	4450
3 E Ch.		{5.8 / 7.1	4470
1/4		5.9	4340
			44.60
C		5.5	4500
1/4		6.3	4420
4 W Ch		{6.8 / 6.1	4370
Ch		6.3	4440
			4420
E		6.1	4440

150' So

E		6.7	4380
Ch		6.8	4370
4 W Ch.		{6.7 / 7.5	4380
			4300
1/4		6.7	4380
C		5.7	4480
1/4		6.4	4410
3 W Ch.		{7.4 / 6.2	4310
			4390
Ch		6.4	4410
W		6.6	4390

200' So

W		6.8	43.70
Ch		7.0	4350
3 E Ch.		{7.0 / 7.7	4350
			4280
1/4		6.9	4360
C		5.8	44.70
1/4		6.9	4360
3 W Ch.		{7.5 / 6.8	4300
			4370
Ch		6.8	4370
E		6.6	4390

50.44

250' So Pacific Ave.

E			5.6	4490
ct			6.2	4430
3 W ct.			{6.6	4450
L			6.3	4360
				4430
C			5.5	4500
L			6.6	4390
ct			{7.5	4300
			6.7	4390
W			6.9	4360

300' So.

W			6.0	4450
ct			{5.4	4510
			6.0	4450
L			5.3	4520
C			4.8	4570
L			5.2	4530
ct			{5.4	4510
			4.8	4570
E			4.5	4600

350' So.

E			3.9	4660
ct			4.3	4620
L			4.2	4630
C			3.8	4670
L			4.2	4630
ct			{4.8	4570
			4.1	4640
W			4.1	4640

400' So.

W			3.3	4720
ct			{3.2	4730
			3.7	4680
L			3.6	4690
C			3.4	4710
L			3.9	4660
ct			3.6	4690
E			3.8	4670

50.44

4650 So. Pacific Ave.

E	3.8	4670
"	3.6	4690
"	4.1	4640
"	3.5	4600
"	3.0	4750
"	3.3	4720
3' E "	3.8	4670
"	2.9	4760
"	2.9	4760
W	2.6	4790

5000 So.

W	2.8	4770
"	2.9	4760
3' E "	3.1	4740
"	4.2	4630
"	3.4	4710
"	3.1	4740
"	4.0	4650
3' W "	4.4	4610
"	4.0	4650
"	4.0	4650
E	4.2	4610

5250 So. Pacific - N/L. Sunset - 75 St - 17' Sidewalks

E	4.7	4580
"	4.2	4630
4' W "	4.5	4630
"	4.1	4600
"		4640
"	3.0	4750
"	3.6	4690
4' W "	4.3	4630
"	3.3	4720
"		4720
W	2.8	4770

N. " Sunset Ave.

W	3.2	4730
"	2.5	4700
4' E "	3.7	4710
"		4630
"	3.5	4700
"	3.2	4730
"	4.0	4650
"	4.3	4670
E	4.9	4560

50.44

No. 4 Sunset.

E	6.0	4550
4	4.3	4620
4	4.0	4650
C	3.1	4740
4	3.5	4700
4' E Ch.	{4.3, 3.3}	4620
Ch	3.5	4720
		4700
W	3.0	4750

Ch. F.

W	3.5	4700
Ch	3.7	4680
3' E Ch.	{3.7, 4.6}	4680
4	3.7	4500
		4680
C	3.5	4700
4	4.4	4610
4 W Ch.	{5.2, 4.7}	4530
Ch	4.7	4580
		4580
E	6.2	4530

So. 4

E	5.4	4510
4	4.9	4560
3' W Ch.	{4.9, 5.2}	4560
4	4.6	4510
		4590
C	3.6	4690
4	4.0	4650
4' W Ch.	{4.7, 3.8}	4580
Ch	3.9	4670
		4660
W	3.4	4710

So. Ch.

W	3.4	4710
Ch	4.1	4640
4' E Ch.	{4.2, 6.2}	4630
		4530
4	4.3	4620
C	3.9	4660
4	5.0	4550
4 W Ch.	{5.1, 5.1}	4480
Ch	5.2	4540
		4530
E	5.7	4480

50.44

So line Sunset

E			5.9	4460	
Cl			5.4	4510	
3' W Cl.			{5.4 6.0	4510	
4'			5.3	4450	
				4520	
C			4.2	4630	
4'			4.6	4590	
4' E Cl			{5.4 4.5	4510	
Cl			4.5	4600	
				4600	
W			3.9	4660	
T.P.	2.17	48.74	3.87	46.57	BM. Hut S.W. Sunset.

50' So Sunset

W			2.7	4600	
Cl			3.1	4560	
3' E Cl			{3.1 4.3	4560	
4'			3.6	4440	
				4510	
C			3.2	4550	
4'			4.3	4440	
4' W Cl.			{4.6 4.3	4470	
Cl			4.5	4440	
E			4.9	4380	

Broadway

100 So Sunset

E			5.6	4310	
Cl			5.1	4360	
4' W Cl.			{5.1 5.4	4360	
4'			6.0	4330	
				4370	
C			4.0	4470	
4'			4.2	4450	
3' E Cl.			{4.8 3.8	4390	
Cl			3.7	4490	
				4500	
W			3.3	4540	

150' So

W			4.1	44.60	
Cl			4.5	4420	
2' E Cl.			{4.6 5.7	4410	
4'			4.9	4300	
				4380	
C			4.7	4400	
4'			5.8	4290	
4' W Cl.			{6.5 5.9	4220	
Cl			5.8	4180	
				4290	
E			6.3	4240	

48.74

200 So Sunset.

E		7.2	4150
Cb		6.3	4240
4' W Cb.		{6.3 6.9	4240 4180
Cb		6.2	4250
C		5.1	4360
Cb		5.4	4330
3' E Cb.		{6.1 5.0	4260 4370
Cb		4.9	4380
W		4.5	4420

250 So

W		4.9	4380
Cb		5.4	4330
3' E Cb.		{5.5 6.5	4320 4220
Cb		5.9	4280
C		5.6	4310
Cb		5.9	4280
4' W Cb.		{7.5 6.9	4120 4230
Cb		6.9	4180
E		7.6	4110

300 So Sunset

E		8.2	4050
Cb		7.5	4120
3' W Cb.		{7.5 8.0	4120 4070
Cb		7.3	4140
C		6.2	4250
Cb		6.4	4230
3' E Cb.		{7.0 6.2	4170 4250
Cb		5.9	4280
W		5.4	4330

350 So

W		5.9	4280
Cb		6.6	4210
3' E Cb.		{6.7 7.8	4200 4090
Cb		7.3	
C		6.7	4200
Cb		7.7	4100
4' W Cb.		{8.8 8.1	3990 4060
Cb		7.9	4080
E		8.8	39.90

46.74

400 ft Sunset

E	9.3	3940
C	8.5	4020
3 W C.	8.6	4010
	9.1	3960
W	8.2	4050
C	7.2	4150
W	7.5	4120
3 E C.	8.1	4060
	7.1	4160
C	6.9	4180
W	6.3	4240

450 ft Sunset

NW	7.3	4140
C	7.8	4090
3 E C.	7.9	4080
	9.0	3970
W	8.0	4020
C	7.9	4080
W	9.3	3940
C	9.3	3940
E	10.0	3870

500 ft Sunset

E	10.9	3780
C	10.0	3870
3 W C.	10.0	3870
	10.5	3870
W	9.7	3900
C	8.4	4030
W	8.9	3980
3 E C.	9.6	3910
	8.5	4020
C	8.4	4030
NW	8.1	4060

550 ft

NW	9.1	39.60
W	9.4	39.30
3 E C.	9.4	3930
	10.5	3870
W	10.0	3870
C	10.0	3870
W	11.0	3770
C	11.0	3770
E	11.6	3710

48.74

600 So. Sunset N.L. (Roosevelt 75 St - 17 Sidewalks)

E			12.5	3620	
Cb			11.6	3710	
4' W Cb			{11.6 / 12.1	3710 / 3660	
¼			11.6	3710	
C			10.7	3800	
¼			10.6	3810	
3' E Cb.			{11.4 / 10.5	3730 / 3820	
Cb			10.3	3840	
W			10.3	3840	
T.P.	1.56	39.99	10.31	38.43	B.M. Hub N.W. Roosevelt.

No Cb.

W			1.9	3810	
Cb			2.2	3780	
3' E Cb			{2.3 / 3.3	3770 / 3670	
¼			2.6	3740	
C			2.1	3790	
¼			3.4	3660	
4' W Cb.			{3.6 / 3.2	3640 / 3680	
Cb			3.2	3680	
E			3.7	3630	

No ¼

E			4.0	3600	
Cb			3.3	3670	
4' W Cb.			{3.4 / 3.9	3660 / 3610	
¼			3.1	3690	
C			2.2	3780	
¼			2.7	3730	
3' E Cb.			{3.6 / 2.5	3640 / 3750	
Cb			2.4	3760	
W			2.2	3780	

Ctr.

W			2.5	3750	
Cb			2.7	3730	
3' E Cb.			{2.8 / 3.8	3720 / 3620	
¼			3.2	3680	
C			2.7	3730	
¼			3.6	3640	
4' W Cb.			{3.9 / 3.6	3610 / 3640	
Cb			3.6	3640	
E			4.2	3580	

39.99

So 4 Roosevelt

E	4.3	3570
4	4.0	3600
4 WW	3.9	3610
	4.0	3560
4	3.7	3630
C	3.8	3700
4	3.4	3660
3 E W	3.9	3610
	3.1	3690
W	3.0	3700
W	2.7	3730

So W.

W	3.0	3700
W	3.3	3670
3 E W	3.3	3670
	4.2	3580
4	3.6	3740
C	3.1	3690
4	4.2	3580
4 W W	4.7	3530
	4.0	3600
A	4.0	3600
E	4.4	3560

So line

E	4.8	3520
4	4.2	3580
3 WW	4.2	3580
	4.0	3600
4	4.0	3600
C	3.5	3650
4	3.8	3620
3 E W	4.5	3550
	3.6	3640
W	3.6	3640
W	3.6	3640

oo So

WW	4.8	3520
W	4.8	3520
3 E W	4.7	3530
	5.7	3430
4	4.9	3510
C	4.4	3560
4	5.3	3470
WW	5.8	3420
	5.3	3470
A	5.3	3470
E	5.6	3440

39.99

100' So Roosevelt

E			6.3	3370
℄			6.1	3390
4' W ℄			{6.1	3390
			{6.6	3340
¼			6.1	3390
C			5.3	3470
¼			5.8	3500
3' E ℄			{6.6	3340
			{5.7	3430
℄			5.6	3440
W			5.7	3430

150' So

W			6.8	3320
℄			6.8	3320
3' E ℄			{6.8	3320
			{7.5	3250
¼			6.7	3330
C			6.2	3380
¼			6.9	3310
4' W ℄			{7.4	3160
			{6.8	3320
℄			6.8	3320
E			6.9	3310

200' So

E			7.4	3260
℄			7.2	3280
4' W ℄			{7.4	3260
			{8.0	3200
¼			7.5	3250
C			7.0	3300
¼			7.5	3250
3' E ℄			{8.4	3160
			{7.7	3230
℄			7.6	3240
W			7.9	3210

250' So

W			8.5	3150
℄			8.3	3170
3' E ℄			{8.3	3170
			{9.3	3070
¼			8.2	3180
C			7.7	3230
¼			8.4	3160
4' W ℄			{8.5	3150
			{7.9	3210
℄			7.8	3220
E			8.0	3200

39.99

300 So Roosevelt

E	9.5	3150
U	8.6	3140
4 W U.	8.7	3130
	9.3	3060
4	8.7	3130
C	8.3	3170
4	9.0	3100
3 E U.	9.8	3020
U	9.0	3100
	8.9	3110
W	9.5	3050
T.P.	7.37 33.00	9.36 30.63

350 So Roosevelt.

W	3.6	2940
U	3.0	3000
1 E U.	3.1	2990
4	2.9	2940
		3010
C	2.3	3070
4	3.0	3000
4 W U.	3.3	2970
	2.0	3040
U	2.2	3080
E	2.1	3090

400 So

E	3.0	3000
U	3.2	2980
3 W U.	3.1	2990
	3.0	2900
4	3.5	2950
C	2.9	3010
4	4.0	2900
3 E U.	4.7	2830
	4.1	2890
U	3.7	2930
W	4.4	2860

450 So

W	5.5	2750
U	5.0	2800
3 E U.	5.1	2790
	5.7	2730
4	4.7	2830
C	4.0	2900
4	4.5	2850
4 W U.	4.9	2810
	4.1	2890
U	4.2	2880
E	3.8	2920

33.00

600 S. Roosevelt

E	4.3	2870
C	4.6	2840
4' W C.	{4.8 5.1}	2820 2740
W	5.1	2790
C	4.7	2830
W	5.5	2750
4' E C.	{4.3 0.9}	2670 2710
C	5.8	2720
W	6.4	2660

550 S.

W	7.0	2600
C	6.5	2650
3 E C.	{4.5 5.0}	2650 2600
W	6.1	2690
C	5.3	2770
W	5.8	2720
4' W C.	{4.3 5.3}	2670 2770
C	5.1	2790
E	4.8	2820

600 S. = N.L. La Playa Ave (25'54 - 17 Sidewalk)

E	5.3	2770
C	5.6	2740
4' W C.	{5.7 6.8}	2730 2620
W	6.2	2680
C	5.8	2720
W	6.5	2650
3 E C.	{7.2 5.8}	2580 2720
C	6.8	2620
W	7.5	2550
	7.53	5.47 BM Hat NW La Playa Ave

No. C

W	7.6	2540
C	6.8	2620
3' E C.	{7.0 7.7}	2600 2530
W	6.7	2630
C	5.8	2720
W	6.5	2650
5 W C.	{6.7 5.8}	2630 2720
C	5.8	2720
E	5.0	2800

33.00

N. ½ La Playa

E	5.2	2780	
u	5.7	2730	
L	5.5	2750	
c	5.8	2720	
L	6.7	2630	
u	7.2	2580	
W	8.1	2490	

C ft.

W	7.2	2580	
u	6.8	2640	
L	6.7	2630	
c	5.7	2730	
L	5.0	2800	
u	5.1	2790	
E	4.9	2810	

50 ½ ft

E	5.6	2740	
u	5.8	2720	
L	5.5	2750	POSTED
C	5.9	2710	
L	6.9	2610	
u	7.1	2590	
W	7.5	2550	

50 Ch.

W	7.8	2520	
u	7.2	2580	
2 E Ch.	7.3	2570	
	7.8	2520	
L	7.1	2590	
c	6.1	2690	
L	6.2	2680	
u	6.0	2700	
E	5.4	2760	

33.01

So line La Playa

E			5.7	2730
℄			6.2	2680
4' W ℄			{6.3	2670
℄			{7.1	2590
			6.7	2630
C			6.2	2680
℄			6.9	26.10
℄			7.3	2570
W			7.8	2520
	50	50		
W			8.0	2500
℄			7.5	2550
3' E ℄			{7.5	2550
			{8.1	2490
℄			7.3	2570
C			6.4	2660
℄			7.3	2570
4' W ℄			{7.5	2550
			{6.4	2680
℄			6.3	2670
E			6.2	2680

33.01

100 So

E			6.7	26.30
℄			6.9	26.10
4' W ℄			{6.9	2610
			{7.8	2520
℄			7.2	2580
C			6.6	2640
℄			7.4	2560
4' E ℄			{8.2	24.80
			{7.6	25.40
℄			7.6	25.40
W			8.1	24.9
T.P.	10.67	35.71	7.96	25.04
		150 So		
W			10.4	2530
℄			10.1	2560
3' E ℄			{10.1	2560
			{10.9	2480
℄			9.9	2580
C			9.3	2640
℄			10.1	2560
4' W ℄			{10.5	2520
			{9.5	2610
℄			9.6	
E			9.8	2590

35.71

200 So. La Playa

E	9.4	2630
CL	9.3	2640
4 WCL	9.2	2650
	10.1	2560
L	9.3	2640
C	8.7	2700
L	9.4	2630
	10.1	2560
3 ECL	9.4	2630
CL	9.1	2660
W	9.3	2640

250 So.

W	8.4	2730
CL	8.3	2740
3 ECL	8.4	2730
	9.3	
L	8.5	2660
		2720
C	7.7	2800
L	8.7	2700
4 WCL	8.7	2630
	8.4	2700
CL	8.6	2710
E	8.7	2700

300 So.

E	7.8	2790
CL	7.6	2810
4 WCL	7.4	2810
	7.2	2800
L	7.7	
C	6.9	2880
L	7.4	2830
3 ECL	6.9	2770
	6.5	
CL	7.2	2830
		2850
W	7.1	2860

350 So.

W	6.3	2940
CL	6.3	2940
4 ECL	6.1	2960
	6.8	2890
L	6.3	2940
C	5.6	3010
L	6.5	2920
4 WCL	6.8	2890
	6.4	2930
CL	6.4	2930
E	6.6	2910

35.7

400 S. La Playa

~~NE~~	4.8	3090
W	5.0	3070
4' NW	5.0	3070
W	5.1	3020
		3060
C	5.2	3030
W	5.1	3060
3' E W	5.2	3030
W	4.6	3090
		3110
~~NW~~	5.0	3070

450 S.

NW	3.9	3180
W	3.2	3250
3' E W	3.2	3250
W	3.5	3150
		3220
C	2.9	3280
W	3.8	3190
4' W W	3.1	3160
W	3.4	3230
		3230
~~NE~~	3.7	3200

500 S.

E	2.8	3290
W	2.7	3300
4' W W	3.6	3310
W	3.2	3250
	2.9	
C	2.2	3350
W	2.8	3290
4' E W	3.1	3230
W	2.7	3300
	2.8	3290
NW	2.9	3280

600 S. La Playa = S. End Broadway

NW	2.5	3340
W	1.6	3410
W	1.8	3390
C	2.1	3360
W	1.9	3380
W	1.9	3380
E	2.1	3360

BM Spikin Post at S.E. Cor. Blk 3 & Fortuna Park 1.7 V 3399

POSTED

Bench Marks on Broadway

56.00 - Spk in Pole S.W Cor Grand.

62.62 - " " " " " " Garnet.

75.08 - Hub S.E " Emerald.

83.43 - Spk in Fence Post N.W Cor Diamond.

107.90 - " " " " 50' No of N.E Cor Chalcedony

131.05 - Hub N.W Cor Beryl.

46.40 - " S.E " Thomas.

46.00 - Spk in Tel pole N.W Reed.

53.10 " " " " S.W Oliver.

45.28 " " " " " Pacific Ave.

46.57 Hub S.W Cor Sunset Ave.

25.47 " N.W " La Playa "

33.99 Spk in Post at S.E Cor Blk 33 Fortuna Park =

= South End of Broadway St.

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

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.