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City Hall, San Diego, Cal.

LEVEL BOOK

400

F.B. 413

H. S. CROCKER COMPANY

DRAWING MATERIALS AND SURVEYING INSTRUMENTS

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, 1895, by Kueffel & Esser Co."

MICROFILMED
1964

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	9.0	9.1	[illegible]	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	[illegible]	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
SAN DIEGO, CAL.

Xsections GRAND AVE
Gresham to Ocean

B.M.	Spike in Root of Cedar Tree			37.11	B.M. Spike m.S.E. for Bar (45.34) Gresham + Grand
" "	7.88	44.99	+.18	45.17	
T.P.			2.40	42.59	

E.P.L. of Gresham

N.P.L.	5.66	48.25	3.80	44.5
C			3.20	45.1
1/4			3.10	45.2
+18			3.00	45.3
N. Rail			2.30	46.0
℄ +6			3.00	45.3
1/4			3.00	45.3
C			3.60	44.7
S.P.L.			4.40	43.9

N. Rail = 1.50' N. of ℄

E.C.L. of Gresham

S.P.L.			5.50	42.8
+5			4.40	43.9
C			3.80	44.5
1/4			3.20	45.1
+16			3.20	45.1
N. Rail			2.57	45.6
℄ +3.5			3.30	45.0
1/4			3.40	46.9
C			3.70	44.6
N.P.L.			4.10	44.2

E 1/4 of Gresham

N.P.L.			4.40	43.9
C			1.00	47.3
1/4			3.50	44.8
+18			3.50	44.8
N. Rail			2.76	45.5

℄ + 6	48.25	3.40	44.9
¼		3.50	44.8
C		4.10	44.2
S.P.L.		5.10	43.2

℄ of Gresham

S.P.L.		5.00	43.3
C		4.30	44.0
¼		3.50	43.8
+16		3.50	43.8
N. Rail		2.91	45.4
℄ + 3		3.60	44.7
¼		3.60	44.7
C		3.90	44.4
N.P.L.		4.60	43.7

W ¼ of Gresham

N.P.L.		5.00	43.3
C		4.10	44.3
¼		3.80	44.5
+18		3.70	44.6
N. Rail		3.04	45.3
℄ + 6		3.60	44.7
¼		3.40	44.9
C		4.40	43.9
S.P.L.		5.20	43.1

W.C.L. of Gresham

S.P.L.		5.10	43.2
C		4.50	
¼		3.60	
+16		3.80	
N. Rail		3.15	
+3		3.80	
¼		4.00	

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C	48.25	4.30		
N.P.L.		5.10		
W. P.L. of Gresham				
N.P.L		5.20	43.1	
1/4		4.60	43.7	
C		4.60	43.7	
+18		4.10	44.2	
N.Rail.		3.47	44.5	
℄ + 6		4.10	44.2	
1/4		4.00	44.3	
C		4.60	43.7	
S.P.L.		5.40	42.9	
50' N. of Gresham				
S.P.L.		6.20	42.1	
C		5.50	42.8	
1/4		4.90	43.4	
+ 16		4.90	43.4	

N. Rail		4.20	44.1	
℄ + 3		4.90	43.4	
1/4		5.30	43.0	
℄		5.50	42.8	
N.P.L.		6.40	41.9	
100' W. of Gresham				
N.P.L.		7.50	40.8	
C		6.50	41.8	
1/4		6.20	42.1	
+18		5.70	42.6	
N. Rail		4.97	43.3	
℄ ~~+6~~		5.70	42.6	
1/4		5.80	42.7	
C		6.40	41.9	
+15		7.00	41.3	
S.P.L.		7.70	40.6	

150' W. of Gresham

S.P.L.	48.25	8.40	39.9
C		7.20	41.1
1/4		6.50	41.8
+16		6.50	41.8
N. Rail		5.72	42.6
+3		6.40	41.9
1/4		7.00	41.3
C		7.20	41.1
N.P.L.		8.00	40.3

200' W. of Gresham

N.P.L.		8.20	40.1
C		7.70	40.6
1/4		7.50	40.8
+18		7.10	41.2
N. Rail		6.43	41.9
℄+6		7.10	41.2
1/4		7.50	40.8
C		8.00	40.3
S.P.L.		8.40	39.9

250' W. of Gresham

S.P.L.		9.40	38.9
C		8.90	39.4
1/4		8.00	40.3
+16.		7.70	40.6
N. Rail		7.20	41.1
+3		7.80	40.5
1/4		8.00	40.3
C		8.40	39.9
N.P.L.		8.80	39.5

300' W. of Gresham

N.P.L.		9.50	38.8
C		9.30	39.0
1/4		8.70	39.6
+18		8.50	39.8
N. Rail		7.87	40.4

℄ + 6		44.25	8.50	39.8
1/4			9.10	39.2
C			9.50	38.8
S.P.L			10.20	38.1
	350' W. of Gresham			
S.P.L.			11.10	37.2
C			10.40	37.9
1/4			9.70	38.6
+16			9.40	38.9
N.Rail			8.57	39.7
℄ + 3			9.40	38.9
1/4			9.60	38.7
C			9.90	38.4
N.P.L.			10.10	38.2
	400' W. of Gresham			
N.P.L.			11.00	37.3
C			10.50	37.8

1/4			10.20	38.1
+18			10.00	38.3
N.Rail			9.33	39.0
℄ + 6			10.10	38.2
1/4			10.90	37.4
C			11.30	37.0
S.P.L			11.70	36.6
T.P.			8.90	39.35
	450' N of Gresham			
S.P.L.	0.36	39.71	4.30	35.4
C			3.80	35.9
1/4			3.40	36.3
+16			2.30	37.4
N.Rail			1.52	38.2
℄ + 3			2.20	37.5
1/4			2.20	37.5
C			2.50	37.2
N.P.L.			2.80	36.9

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500' W. of Gresham

N.P.L.	39.71	3.50	36.2
C		3.20	36.5
1/4		3.20	36.5
+18		3.00	36.7
N.Rail		2.20	37.5
℄ + 6		3.00	36.7
1/4		4.00	35.7
C		4.60	35.1
S.P.L.		5.60	34.1

E C.L. of Fanuel

S.P.L.		6.00	33.7
C		4.90	34.8
1/4		4.30	35.4
+16		2.80	36.9
N.Rail		2.52	37.2
℄ + 3		2.80	36.9
1/4		3.50	36.2

C		3.70	36.0
N.P.L.		3.60	36.1

E 1/4 of Fanuel

N.P.L.		4.00	35.7
C		3.70	36.0
1/4		3.70	36.0
+18		3.40	36.3
N.Rail		2.67	37.0
℄ + 6		3.40	36.5
1/4		4.40	35.5
C		5.00	34.7
S.P.L.		5.90	33.8

℄ of Fanuel

S.P.L.		6.10	33.6
C		5.10	34.6
1/4		4.50	35.2
+16		3.60	36.1
N.Rail		2.81	36.9

℄+3	39.71	3.60	36.1	
1/4		3.90	35.8	
C		4.00	35.7	
N.P.L.		4.10	35.6	
W. 1/4 of Fanuel				
N.P.L.		4.30	35.4	
C		4.30	35.4	
1/4		4.10	35.6	
+18		3.70	36.0	
N.Rail		2.96	36.7	
℄+6		3.70	36.0	
1/4		4.60	35.1	
C		5.30	34.4	
S.P.L.		6.30	33.4	
W.C.L. of Fanuel				
S.P.L.		6.40	33.3	
C		5.60	34.1	
1/4		4.80	34.9	

+16		4.00	35.7	
N.Rail		3.13	36.6	
℄+3		3.90	35.8	
1/4		4.20	35.5	
C		4.50	34.2	
N.P.L.		4.20	35.5	
W.P.L. of Fanuel				
N.P.L.		4.20	35.5	
+6		4.80	34.9	
C		4.50	35.2	
1/4		4.40	35.3	
+18		4.20	35.5	
N.Rail		3.36	36.3	
℄+6		4.20	35.5	
1/4		5.00	34.7	
+10		5.20	34.5	
+11		5.00	34.7	
C		5.90	33.8	
+15		6.20	33.5	
S.P.L.		7.10	32.6	

50' W. of Fanuel

S.P.L.	3.9.71	7.20	32.5
+3		6.60	33.1
C		6.30	33.4
1/4		5.40	34.3
+16		4.80	34.9
N.Rail		4.11	35.6
℄ +3		5.00	34.7
1/4		4.80	34.9
C		5.00	34.7
+15		5.20	34.5
N.P.L.		3.80	35.9

100' W. of Fanuel

N.P.L.		3.20	36.5
+5		5.20	34.5
C		5.20	34.5
1/4		5.20	34.5
+7		5.00	34.7
+11		6.80	32.9
+14		5.90	33.8
+18		5.60	34.1
N.Rail		4.79	34.7
℄ +6		5.60	34.1
+16		6.50	33.2
+17		5.20	34.5
1/4		5.40	34.3
C		6.70	33.0
~~S.P.L.~~ +19		7.30	32.4
S.P.L.		6.70	33.0

150' W. of Fanuel

S.P.L.		6.10	33.8
+4		7.30	32.4
C		6.60	33.1
1/4		5.40	34.3
+6		5.40	34.3
+7		6.70	33.0
+16		6.40	33.3

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N. Rail		39.71	5.50	34.2
℄ +3			6.30	33.4
+8			6.70	33.0
+10			7.30	32.4
+12			6.80	32.9
¼			5.90	33.8
+4			5.20	34.5
C			5.30	34.4
+16			5.20	34.5
N. P.L.			2.60	37.1
T.P.			6.29	33.42

200' W. of Fanuel

N. P.L.	2.27	35.69	+2.60	38.3
+4			0.0	35.7
C			0.50	35.2
¼			0.80	34.9
+2			1.00	34.7
+5			2.00	33.7
+9			2.00	33.7

+12			3.80	31.9
+18			2.60	33.1
N. Rail			2.28	33.4
℄ +6			3.20	32.5
+16			2.70	33.0
+17			1.00	34.7
¼			1.60	34.1
C			2.60	33.1
+17			2.90	32.8
S.P.L.			1.10	34.6

250' W. of Fanuel

S.P.L.			3.10	32.6
+2			2.80	32.9
C			2.60	33.1
¼			1.40	34.3
+2			1.30	34.4
+5			2.50	33.2
8			2.60	33.1

+12	3:	35.69	4.20	31.5	
+16			3.80	31.9	
N. Rail			2.91	32.8	
℄ +3			3.50	32.2	
+10			3.80	31.9	
+12			1.80	33.9	
+16			1.90	33.8	
+17			1.00	34.7	
1/4			100	34.7	
C			1.60	34.1	
+15			1.50	34.2	
N.P.L.			+0.70	36.4	
	300' W. of Fanuel				
N.P.L.			+0.40	36.1	
+5			2.00	33.7	
C			1.90	33.8	
1/4			1.50	34.2	
+10			2.60	33.1	

+11			4.40	31.3	
+18			4.30	31.4	
N. Rail			3.65	32.0	
℄ +6			4.50	31.2	
+9			4.60	31.1	
+11			2.70	33.0	
+18			3.10	32.6	
+19			2.40	33.3	
1/4			1.70	34.0	
C			2.80	32.9	
+14			3.20	32.5	
S.P.L.			2.40	33.3	
	350' W. of Fanuel				
S.P.L.			2.30	33.4	
+1			3.30	32.4	
C			2.40	32.3	
1/4			2.00	33.7	
+2			3.40	32.3	

+10		35.69	3.60	32.1
+14			5.30	30.4
+16			5.20	30.5
N. Rail			4.33	31.4
℄ +3			5.20	32.5
+8			5.00	32.7
+10			3.10	32.6
+16			3.20	32.5
+18			2.20	33.5
¼			2.20	33.5
C			2.60	33.1
+15			2.10	33.6
N.P.L.			0.60	35.1
T.P.			4.63	31.06
	400' N. of Fanuel			
N.P.L.	3.97	35.03	1.40	33.6
+5			2.60	32.4
C			2.90	32.1

¼			2.10	32.9
+3			3.10	31.9
+10			3.30	31.7
+14			5.10	29.9
+18			5.00	30.0
N. Rail			4.35	30.6
℄ +6			5.20	29.8
+10			5.20	29.8
+12			3.90	31.1
+16			3.70	31.3
+19			2.10	32.9
¼			2.70	32.3
C			3.30	31.7
+16			3.60	31.4
S.P.L.			2.40	32.6
	450' N. of Fanuel			
S.P.L.			3.10	31.9
+3			4.50	30.5

C	35.03	4.20	30.8	
1/4		3.40	31.6	
+6		4.00	31.0	
+12		6.20	28.8	
+16		5.70	29.3	
N. Rail		5.02	30.0	
℄ +3		5.70	29.3	
+6		5.80	29.2	
+8		5.10	29.9	
+16		4.30	30.7	
+19		2.90	32.1	
1/4		3.00	32.0	
+18		3.50	31.5	
+20		5.00	30.0	
C		3.60	31.4	
+15		3.80	31.2	
N.P.L.		1.20	33.8	

500' W. of Fanvel = E.P.L. of Everts

N.P.L.		2.60	32.4	
+5		4.60	31.4	
C		4.60	31.4	
+2		5.90	29.1	
+4		6.00	29.0	
+5		4.70	30.3	
1/4		4.30	30.7	
+6		4.20	30.8	
+8		5.70	29.3	
+18		6.50	28.5	
N. Rail		5.71	29.3	
℄ +6		6.40	28.6	
+10		6.50	28.5	
+14		4.00	31.0	
1/4		3.70	31.3	
+5		4.60	30.4	
C		5.00	30.0	
+16		5.20	29.8	
S.P.L.		4.20	30.8	

POSTED

F.C.L. of Everts

S.P.L.	35.03	3.50	31.5
+2		5.40	29.6
C		5.20	29.8
1/4		4.50	30.5
+16		6.70	28.3
N.R.		5.58	29.4
℄ +3		6.80	28.2
+8		6.20	28.8
+13		6.60	28.4
18		4.70	30.3
1/4		4.70	30.3
+14		4.90	30.1
+17		6.50	28.5
C		5.00	30.0
+15		5.10	29.9
N.P.L.		3.40	31.6

E 1/4 of Everts

N.P.L.	3.70	31.3
+5	5.30	29.7
C	5.30	29.7
+3	6.70	28.3
+7	5.30	29.7
1/4	4.80	30.2
+5	4.80	30.2
+8	6.40	28.6
+12	6.30	28.7
+14	6.80	28.2
+18	6.80	28.2
N.R.	6.10	28.9
℄ +6	6.80	28.2
+12	6.30	28.7
+14	4.60	30.4
1/4	4.40	30.6
+8	5.40	29.6

C		35.03	5.50	29.5
+15			5.90	29.1
S.P.L.			4.30	30.7
		℄ of Everts		
S.P.L.			4.20	30.8
+2			5.90	29.1
C			5.70	29.3
+13			5.60	29.4
1/4			4.70	30.3
+4			4.90	30.1
+7			6.50	28.5
+16			6.90	28.1
N.R.			6.25	28.7
Rt 3			7.00	28.0
+8			6.60	28.4
+16			6.40	28.6
+18			5.10	29.9
1/4			5.10	29.9

+12			5.30	29.7
+14			6.30	28.7
+16			6.70	28.3
C			5.40	29.6
+16			5.30	29.7
N.P.L.			4.10	30.9
		W. 1/4 of Everts		
N.P.L.			4.10	30.9
+5			5.50	29.5
C			5.70	29.3
+2			6.70	28.3
+7			6.60	28.4
+9			5.60	29.4
1/4			5.40	29.6
+5			5.20	29.8
+8			6.70	28.3
+18			7.10	27.9
N.R.			6.41	28.6

℄ +6	35.03	7.30	27.7	
+13		6.90	28.1	
+15		5.30	29.7	
1/4		5.30	29.7	
C		5.80	29.2	
+18		6.10	28.9	
S.P.L.		5.10	29.9	
W.C.L. of Everts				
S.P.L.		5.10	29.9	
+ 4		6.40	28.6	
C		6.10	28.9	
1/4		5.30	29.7	
+2		5.40	29.6	
+8		7.30	27.7	
+16		7.40	27.6	
N.R.		6.53	28.5	
℄ +3		7.40	27.6	
+12		7.00	28.0	

+15		5.40	29.6	
1/4		5.50	29.5	
+13		5.90	29.1	
+15		6.70	28.3	
+19		6.90	28.1	
C		5.90	29.1	
+15		5.80	29.2	
N.P.L.		4.30	30.7	
N.P.L. of Everts				
N.P.L.		5.90	29.1	
C		6.40	28.6	
+2		7.00	28.0	
+4		6.40	28.6	
1/4		5.60	29.4	
+5		5.60	29.4	
+7		7.50	27.5	
+18		7.50	27.5	
N.R.		6.79	28.2	

℄+6		35.03	7.80	27.2
+16			5.90	29.1
+19			5.70	29.3
1/4			6.00	29.0
C			6.60	28.4
S.P.L.			6.60	28.4
	50' W. of Ererts			
S.P.L.			7.60	27.4
C			7.90	27.1
1/4			7.10	27.9
+3			7.20	27.8
+8			8.80	26.2
+16			8.30	26.7
N.R.			7.41	27.6
℄+B			8.30	26.7
+16			8.40	26.6
+18			7.10	27.9
1/4			7.20	27.8

C			7.60	27.4
N.P.L.			7.10	27.9
	100' W. of Ererts			
N.P.L.			8.40	26.6
C			8.30	26.7
1/4			8.40	26.6
+18			8.60	26.4
N.R.			7.92	27.1
℄+6			9.00	26.0
+18			9.10	25.9
+14			8.00	27.0
1/4			8.40	26.6
C			9.20	25.8
S.P.L.			9.10	25.9
	150' W of Ererts			
S.P.L.			10.50	24.5
C			10.30	24.7
1/4			9.60	25.4

+16		35.03	9.20	25.8
N.R.			8.43	26.6
℄ +3			9.20	25.8
1/4			9.10	25.9
C			9.00	26.0
N.P.L.			8.80	26.2
T.P.			8.67	26.36
200' W. of Everts				
N.P.L.	0.38	26.74	0.90	25.8
C			1.30	25.4
1/4			1.70	25.0
+18			1.40	25.3
N.R.			0.64	26.1
℄ +0			1.60	25.1
1/4			1.60	25.1
C			2.70	24.0
S.P.L.			2.70	24.0

250' W. of Everts				
S.P.L.			3.20	23.5
C			3.00	23.7
1/4			2.40	24.3
+16			1.90	25.8
N.R.			1.19	25.5
℄ +3			2.10	24.6
1/4			2.10	24.6
C			1.80	24.9
N.P.L.			1.50	25.2
300' W. of Everts				
N.P.L.			1.90	24.8
C			2.30	24.4
1/4			2.80	23.9
+18			2.50	24.2
N.R.			1.67	25.0
℄ +6			2.40	24.3
+13			3.40	23.3

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1/4	26.74	3.00	23.7	
C		3.60	23.1	
S.P.L.		3.60	23.1	
	350' W. of Everts			
S.P.L.		4.20	22.5	
C		4.00	22.7	
1/4		3.30	23.4	
+10		3.90	22.8	
+16		2.90	23.8	
N.R.		2.12	24.6	
℄ +3		2.90	23.8	
1/4		3.00	23.7	
C		2.50	24.2	
N.P.L.		2.10	24.6	
	400' W. of Everts			
N.P.L.		2.80	23.9	
C		3.00	23.7	
1/4		3.30	23.4	

+18		3.20	23.5	
N.R.		2.57		
℄ +6		3.30	23.4	
+13		3.90	22.8	
1/4		3.50	23.2	
C		4.20	22.5	
S.P.L.		4.00	22.7	
	450' W. of Everts			
S.P.L.		4.70	22.0	
C		4.80	21.9	
1/4		4.30	22.4	
+16		3.70	23.0	
N.R.		3.00	23.7	
℄ +3		3.80	22.9	
1/4		3.70	23.0	
C		3.60	23.1	
N.P.L.		3.30	23.4	

500'	N. of Everts =	E.P.L. of Dawes	
N.P.L.	26.74	4.00	22.7
C		4.30	22.4
1/4		4.30	22.4
+18		4.20	22.5
N.R.		3.48	
+6		4.30	22.4
1/4		4.50	22.2
C		5.30	21.4
S.P.L.		5.70	21.0
	E.C.L. of Dawes		
S.P.L.		6.10	20.6
C		5.70	21.0
1/4		4.90	21.8
+16		4.40	22.3
N.R.		3.67	
℄ +3		4.60	22.1
1/4		4.60	22.1
C		4.70	22.0
N.P.L.		4.60	22.1
	E 1/4 of Dawes		
N.P.L.		4.40	22.3
C		4.60	22.1
1/4		4.80	21.9
+18		4.60	22.1
N.R.		3.79	
+6		4.60	22.1
1/4		4.90	21.8
C		5.60	21.1
S.P.L.		6.00	20.7
	℄. of Dawes		
S.P.L.		5.70	21.0
C		5.50	21.2
1/4		4.90	21.8
+16		4.90	21.8
N.R.		3.86	

℄ +3	26.74	4.90	21.8	
1/4		4.70	22.0	
C		4.60	22.1	
N.P.L.		4.30	22.4	
W 1/4 of Dawes				
N.P.L.		4.60	22.1	
C		4.80	21.9	
1/4		5.10	21.6	
+18.		5.00	21.7	
N.R.		3.96		
℄ +6		4.90	21.8	
1/4		5.20	21.5	
C		5.90	20.8	
S.P.L.		6.10	20.6	
W.C.L. of Dawes				
S.P.L.		6.60	20.1	
C		6.30	20.4	
1/4		5.50	21.2	

+16		4.90	21.8	
N.R.		4.06		
℄ +3		5.10	21.6	
1/4		5.40	21.3	
C		5.10	21.6	
N.P.L.		5.00	21.7	
W.P.L. Dawes				
N.P.L.		5.00	21.7	
C		5.30	21.4	
+11		5.90	20.8	
1/4		5.40	21.3	
+18		5.10	21.6	
N.R.		4.30	22.4	
℄ +6		5.20	21.5	
+12		6.10	20.6	
1/4		5.50	21.2	
C		6.30	20.4	
S.P.L.		6.60	20.1	

50' N. of Dawes

S.P.L.		26.74	7.10	19.6
C			6.80	19.9
1/4			6.10	20.6
+16			5.60	21.1
N.R.			4.87	
℄+3			5.70	21.0
1/4			6.00	20.7
C			5.60	21.1
N.P.L.			5.60	21.1

100' W. of Dawes

N.P.L.			6.00	20.7
C			6.20	20.5
1/4			6.50	20.2
+18			6.00	20.7
N.R.			5.37	
℄+6			6.20	20.5
1/4			6.50	20.2
C			7.00	19.7
S.P.L.			7.40	19.3

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150' W. of Dawes

S.P.L.			7.60	19.1
C			7.40	19.3
1/4			7.10	19.6
+16			6.70	20.0
N.R.			5.85	
℄+3			6.80	19.9
1/4			7.10	19.6
C			6.80	19.9
N.P.L.			6.60	20.1
T.P.			6.10	20.64

200' W. of Dawes

N.P.L.	0.70	21.34	1.50	19.8
C			1.80	19.5
1/4			2.20	19.0
+18			1.80	19.5

N.R.		21.34	0.96	
℄ + 6			1.80	19.5
1/4			2.40	18.9
C			2.40	18.9
S.P.L.			2.50	18.8
	250' W. of Dawes			
S.P.L.			3.30	18.0
C			3.10	18.2
1/4			2.80	18.5
+16			2.40	18.9
N.R.			1.41	
℄ + 3			2.30	19.0
1/4			2.70	18.6
C			2.20	19.1
N.P.L.			2.40	18.9
	300' W. of Dawes			
N.P.L.			2.70	18.6
C			2.70	18.6

1/4			3.20	18.1
+18			2.80	18.5
N.R.			1.89	
℄ + 6			2.70	18.6
1/4			3.30	18.0
C			3.60	17.7
S.P.L.			3.70	17.6
	350' W. of Dawes			
S.P.L.			4.20	17.1
C			3.90	17.4
1/4			3.90	17.4
+16			3.50	17.8
N.R.			2.44	
℄ + 3			3.50	17.8
1/4			3.70	17.6
C			3.70	17.6
N.P.L.			2.80	18.5

400' W. of Dawes			
N. P. L.	21.34	3.10	18.2
C		4.00	17.3
1/4		4.00	17.3
+18		3.80	17.5
N. R.		3.04	
℄ +6		3.90	17.4
1/4		4.30	17.0
C		4.60	16.7
S. P. L.		4.90	16.4
450' W. of Dawes.			
S. P. L.		5.20	16.1
C		5.00	16.3
1/4		4.60	16.7
+16		4.20	17.1
N. R.		3.51	
℄ +3		4.20	17.1
1/4		4.50	16.8
C		4.10	17.2
N. P. L.		3.40	17.9

500' W. of Dawes - E. P. L. Cass			
N. P. L.		3.80	17.5
C		4.60	16.7
1/4		5.00	16.3
+18		4.70	16.6
N. R.		4.02	
℄ +6		4.70	16.6
1/4		5.00	16.3
C		5.40	15.9
S. P. L.		5.50	15.8
E. C. L. of Cass			
S. P. L.		6.20	15.1
C		5.70	15.6
1/4		5.60	15.7
+16		4.90	16.4
N. R.		4.22	
℄ +3		4.90	16.4
1/4		5.20	16.1
C		4.95	16.4
N. P. L.		4.50	16.8

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E 1/4 of Cass

N.P.L.	21.34	4.10	17.2
C		4.80	16.5
1/4		5.20	16.1
+18		4.60	16.7
N.R.		4.30	17.0
℄. +6		4.50	16.8
1/4		5.10	16.2
C		5.50	15.8
S.P.L.		6.10	16.2

℄ of Cass

S.P.L.		5.70	15.6
C		5.40	15.9
1/4		5.20	16.1
+16		4.70	16.6
N.R.		4.4.4	
℄ +3		4.70	16.6
1/4		5.30	16.0
C		4.80	16.5
N.P.L		3.90	17.4

W. 1/4 of Cass

N.P.L.		4.40	16.9
C		5.10	16.2
1/4		5.40	15.9
+18		5.10	16.2
N.R.		4.57	
℄ +6		5.10	16.2
1/4		5.90	15.4
C		5.80	15.5
S.P.L.		6.10	15.2

N.C.L. of Cass

S.P.L.		6.10	15.2
C		6.40	14.9
1/4		5.60	15.7
+16		5.40	15.9
N.R.		4.66	
℄ +3		5.30	16.0
1/4		5.30	16.0
C		5.40	15.9
N.P.L.		5.00	16.3

W. P.L. of Cass				
N. P.L.	21.34	4.50	16.8	
C		5.50	15.8	
1/4		5.60	15.7	
+18		5.50	15.8	
N.R.		4.86		
℄+6		5.60	15.7	
1/4		5.70	15.6	
C		5.90	15.4	
S.P.L.		6.10	15.2	
50' W. of Cass				
S.P.L.		6.60	14.7	
C		6.50	14.8	
1/4		6.10	15.2	
+16		6.00	15.3	
N.R.		5.30		
℄+3		6.10	15.2	
1/4		5.90	15.4	

C			5.80	15.5
N.P.18			5.60	15.7
N.P.L.			5.10	16.2
100' W. of Cass				
N.P.L.			4.40	16.9
+5			6.10	15.2
C			6.10	15.2
1/4			6.30	15.0
+18			6.50	14.8
N.R.			5.81	
℄+6			6.60	14.7
1/4			6.60	14.7
C			7.00	14.3
S.P.L.			7.00	14.3
T.P.			6.52	14.82
150' W. of Cass				
S.P.L.	2.79	17.59	3.80	13.8
C			3.80	13.8
1/4			3.20	14.4

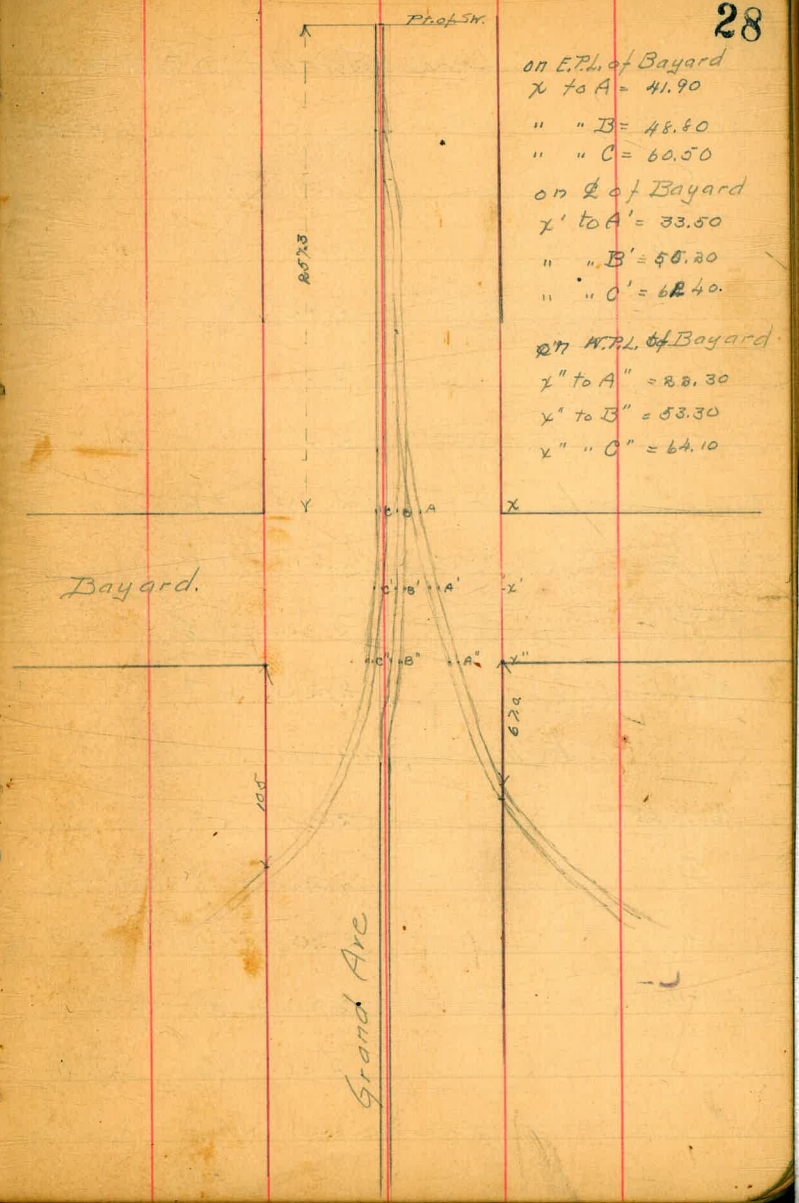
+16	17.59	3.40	14.2	
N.R.		2.57	15.0	
℄ +3		3.30	14.3	
1/4		3.00	14.6	
C		3.00	14.6	
+14 ~~N.P.L.~~		3.10	14.5	
N.P.L.		1.70	15.8	
200' W. of Cass				
N.P.L.		2.40	15.2	
+6		3.60	14.0	
C		3.40	14.2	
1/4		3.50	13.9	
+18		3.50	13.9	
N.R.		3.09		
℄ +6		3.80	13.8	
1/4		3.90	13.7	
C		4.30	13.3	
S.P.L.		4.60	13.0	

250' W. of Cass				
S.P.L.		5.00	12.6	
C		4.80	12.8	
1/4		4.60	13.0	
+16		4.30	13.3	
N.R.		3.57		
℄ +3		4.30	13.4	
1/4		4.20	13.5	
C		4.00	13.6	
+16		4.00	13.6	
N.P.L.		3.00	14.6	
300' W. of Cass				
N.P.L.		3.50	14.1	
+6		4.80	12.8	
C		4.60	13.0	
1/4		4.30	13.3	
+18		4.70	12.9	
N.R.		4.09		
℄ +6		4.30	13.3	

1/4		17.59	5.20	12.4	
C			5.50	12.2	
S.P.L.			5.60	12.0	
T.P.			4.89	12.70	
	350' W. of Cass				
S.P.L.	2.04	14.74	3.30	14.3	
C			3.00	14.7	
1/4			2.70	12.0	
+16			2.40	12.3	
N.R.			1.58		
℄+3			2.50	12.2	
+16			2.50	12.2	
+18			1.80	12.9	
1/4			1.70	13.0	
C			2.40	12.3	
N.P.L.			1.60	12.1	
	400' W. of Cass				
N.P.L.			1.70	13.0	

+6			2.80	11.9	
C			2.50	12.2	
1/4			2.50	12.2	
+3			2.10	12.6	
+6			3.70	11.0	
+18			2.80	11.9	
N.R.			2.07		
℄+8			3.10	11.6	
1/4			3.70	11.0	
C			3.80	10.9	
S.P.L.			4.10	10.6	
	450' W. of Cass				
S.P.L.			4.60	10.1	
C			4.40	10.3	
1/4			3.90	10.8	
+8			3.90	10.8	2' S. of Spur N. Trail of Main Track
+ ℄+2.50'			2.56		
+5			3.40	11.3	

	62.50				
1/4		14.74	2.90	11.8	
C			3.10	11.4	
N.P.L.			2.40	12.3	
500' W. of Cass = E.P.L. of Bayard					
N.P.L.			2.50	12.2	
C			3.20	11.5	
1/4			3.20	11.5	
+8			3.00	11.7	
+10			3.90	10.8	
+16			3.90	10.8	2' N of Main T
+18.3			3.01	11.7	N. Trail Main Track
1/4 + 1.0			4.30	10.4	2' S of Spur
C			4.70	10.0	
S.P.L.			4.60	10.1	
T.P.			1.35	13.39	
	9.17	22.56	2.10	20.46	20.44
				12.70	
	1.15	13.85			



	E. C. L. Bayard-				
S.P.L.		13.85	3.70	10.2	Curb set
			4.70	9.2	Gutter
C			4.00	9.9	
+16			2.80	11.1	2' S of Spur
			2.42	11.5	N.R. S. Spur
			2.27		" " Ar "
			2.23		" " Main Trck
			2.30	11.6	2' N. of Main
1/4			2.80	11.1	
C			2.30	11.6	
N.P.L.			2.20	11.7	
	E 1/4 of Bayard.				
N.P.L.			2.00	11.9	
C			2.20	11.7	
1/4			2.30	11.6	
+16			2.50	11.4	2' N.
			2.31	11.6	N R Main
			2.31	11.6	N.R. O Spur

℄ R.22			2.56		N.R.S. Spur
			2.80	11.1	2' S of S Spur
C			3.80	10.1	
S.P.L.			4.30	9.6	
	℄ of Bayard				
S.P.L.			4.10	9.8	
C			3.80	10.1	
			3.70	10.2	2' S of S. Spur
			2.65		N.R. S Spur
			2.39		" " Ar "
			2.41		" " Main Tr
			2.50	11.4	2' N.
1/4			2.30	11.6	
C			2.30	11.6	
N.P.L.			2.40	11.5	
	W 1/4 of Bayard				
N.P.L.			2.40	11.5	
C			2.50	11.4	

POSTED

1/4		13.85	2.60	11.3	
+ 8			3.50	10.4	
+ 15			2.80	11.1	2' N.
~~+15~~			2.49		N.R. M.T.
			2.40		N.R. Ch. Span
			2.88		" " S. Span
1/4 + 13			4.00	9.9	2' S.
C			3.90	10.0	
S.P.L.			4.40	9.5	
	W.C.L. of Bayard				
S.P.L.			4.40	9.5	Curb Set
			5.00	8.9	Gutter
C			4.00	9.9	
			4.10	9.8	2' S.
			3.05		N.R. S. Span
			2.44		" " Ch. "
			2.50		" " M.Tr.
2 + 7			2.60	11.3	2' N

1/4			2.80	11.1	
C			2.70	11.2	
N.P.L.			2.60	11.3	
	W.T.L. of Bayard				
N.P.L.			2.40	11.5	
C			2.70	11.2	
1/4			3.20	10.7	
+6			3.40	10.6	
			2.80	11.1	2' N
			2.63		N.R. M.T.
			2.61		" " Ch. Span
			3.31		" " M.T.
C			3.60	10.3	2' S.
S.P.L.			4.40	9.5	
	50' W. of Bayard				
S.P.L.			6.10	7.8	
+1			5.50	8.4	
+4			5.30	8.6	2' S

S		13.85	4.11	9.8	N.R. S Span
C			4.90	9.0	
1/4			4.10	9.8	
+14			3.80	10.1	2' S of Ctr Pier
℄			2.97		N.R. " "
+2			3.20	10.7	2' N of Ctr "
+5			3.10	10.8	2' S of MT
+15			2.73		N.R. MT.
+17			3.10	10.8	2' N of " "
1/4			3.60	10.3	
C			3.00	10.9	
N.P.L.			2.50	11.4	
	100'	W. of Bayard.			
N.P.L.			2.90	11.0	
C			3.10	10.8	
+15			2.90	11.0	2' N of MT.
+17			2.55		N.R. M.T.
1/4+2			3.10	10.8	2' S " "

1/4+16			4.00	9.9	2' N. of Ctr Span
			3.50		N.R. " "
℄ +3			3.90	10.0	2' S of Span
1/4			4.20	9.7	
C			4.60	9.3	
S.P.L.			5.50	8.4	
	150' W. of Bayard				
S.P.L.			5.20	8.7	
C			4.90	9.0	
1/4			4.40	9.5	
+16			4.60	9.3	2' S Ctr Span
℄ +2			3.89		N.R.
+4			4.60	9.3	2' N
1/4			2.80	11.1	
+11			2.50	11.4	2' S MT
+15			2.57		N.R. " "
C			3.50	10.4	2' N
+15			3.40	10.5	
N.P.L.			2.20	11.7	

POSTED

	200' W. of Bayard-				
N.P.L.		13.65	3.30	10.6	2' N. of M.T.
			2.47		N.R.
+11			2.80	11.1	2' S " "
C			3.00	10.9	
+4			4.60	9.3	
1/4			4.30	9.6	
+12			4.30	9.6	
+16			5.10	8.8	2' N
			4.14		N.R.
℄ +4			4.80	9.1	2' S.
1/4.			4.80	9.1	
C			5.00	8.9	
S.P.L.			5.30	8.6	
	250' W. of Bayard.				
S.P.L.			5.60	8.3	
C			5.90	8.0	
+12			4.90	9.0	

1/4			5.30	8.6	
+17			5.00	8.9	2' S
			4.51		N.R.
℄ +4			5.10	8.8	
1/4			4.60	9.3	
C			5.20	8.7	
+15			4.60	9.3	
N.P.L.			4.30	9.6	
	300' W. of Bayard				
N.P.L.			5.60	8.3	
C			5.70	8.2	
1/4			5.30	8.6	POINTED
+17			5.10	8.8	2' N
			4.95		N.R.
℄ +4			5.50	8.9	2' S
1/4			5.50	8.4	
C			6.00	7.9	POINTED
S.P.L.			5.60	8.1	

	350' W. of Bayard			
S.P.L.	13.85	6.90	7.0	
C		6.80	7.1	
1/4		6.10	7.8	
+17		5.50	8.4	
		5.05		N.R
℄ +4		5.70	8.2	
1/4		6.10	7.8	
C		6.20	7.7	
N.P.L.		5.90	8.0	
	400' W. of Bayard			
N.P.L.		6.40	7.5	
C		6.70	7.2	
1/4		6.50	7.4	
+17		6.00	7.9	
N.R.	POSTED	5.31		
℄ +4		5.80	8.1	
1/4		6.50	7.4	

C.		7.30	6.6	
S.P.L.		8.00	5.9	
	450' W. of Bayard			
S.P.L.		8.50	5.4	
C		7.30	6.6	
1/4		6.60	7.3	
+17		6.40	7.5	2'S
N.R.		5.56		
℄ +4		6.20	7.7	2'N
1/4		6.90	7.0	
C		6.60	7.3	
N.P.L.		6.80	7.1	
	500' W. of Bayard = E.L. Allison			
N.P.L.		6.80	7.1	
C		6.70	7.2	
1/4		7.10	6.8	
+17		6.20	7.7	2'N
N.R.		5.57		

℄ + 4		13.85	6.20	7.7	2's
1/4			6.70	7.2	
C			7.30	6.6	
S.P.L.			8.00	5.9	
T.P.			5.75	8.10	
	3.97	12.07			
	E.C.L. Allison				
S.P.L.			6.10	6.0	
C			5.20	6.9	
1/4			4.70	7.4	
+17			4.30	7.8	2's
N.R.			3.81		
℄ + 4			4.30	7.8	
1/4			5.15	7.0	
C			5.10	7.0	
N.P.L.			5.10	7.0	

	E 1/4 of Allison			
N.P.L.		4.90	7.2	
C		5.20	6.9	
1/4		5.20	6.9	
+17		4.40	7.7	
N.R.		3.84		
℄ + 4		4.40	7.7	
1/4		4.80	7.3	
C		5.10	7.0	
S.P.L.		6.20	5.9	
	℄ of Allison			
S.P.L.		6.20	5.9	
C		5.20	6.9	
1/4		5.10	7.0	
+17		4.40	7.7	
N.R.		3.83		
℄ + 4		4.60	7.5	
1/4		5.10	7.0	
C		5.10	7.0	
N.P.L.		5.00	7.1	

W ¼ of Allison				
N.P.L.	12.07	4.90	7.2	
C		5.10	7.0	
3/4		5.30	6.8	
+17		4.60	7.5	
N.R.		3.91		
℄ +4		4.50	7.6	
¼		4.80	7.3	
C.		5.30	6.8	
~~S.+14~~		5.90	6.2	
S.P.L.		7.10	5.0	
W.C.L. Allison				
S.P.L.		7.00	5.1	
+6		5.90	6.2	
C		5.40	6.7	
¼		4.80	7.3	
+ 16		4.60	7.5	2' S
~~℄ N.R.~~		4.00		
℄ +5		4.50	7.6	2' N.

¼		5.00	7.1	
C		5.20	6.9	
N.P.L.		5.00	7.1	
W.T.L. of Allison				
N.P.L.		5.30	6.8	
C		5.20	6.9	
¼		5.50	6.6	
+ 16		4.70	7.4	2' N
N.R.		4.13		
℄ +4		4.70	7.4	2' S
¼		4.90	7.2	
C		5.60	6.5	
S.P.L.		6.30	5.8	
50' W. of Allison				
S.P.L.		6.00	6.1	
C		5.40	6.7	
¼.		5.20	6.9	
+19		4.80	7.3	2' S

N.R.		12.07	4.34		
+7			4.90	7.2	2'N
1/4			5.30	6.8	
C			5.30	6.8	
N.P.L.			5.70	6.4	
	188' W. of Allison				
N.P.L.			5.50	6.6	
+1			7.20	4.3	
+3			7.90	4.2	
+4			5.50	6.6	
+6			5.00	7.1	
C			5.20	6.9	
	100' W. of Allison				
N.P.L.			8.60	3.5	
+6			8.20	3.9	
+10			5.50	6.6	
C			5.30	6.8	
1/4			5.50	7.1	

+15			4.80	7.3	2'N
N.R.			4.32		
Ø+2			4.90	7.2	
1/4			5.30	6.8	
C			5.50	6.6	
S.P.L.			6.00	6.1	
	150' W. of Allison				
S.P.L.			5.70	6.4	
C			5.20	6.9	
1/4			5.10	7.0	
+18			5.00	7.1	2'S
N.R.			4.16		
+6			4.90	7.2	
1/4			5.00	7.1	
C			4.80	7.3	
+8			4.20	7.9	
+9			7.20	4.9	
+12			7.20	4.9	
+13			9.10	3.0	

+18		12.07	8.90	3.2	
N.P.L.			7.30	4.8	
	200' W. of Allison				
N.P.L.			9.20	2.9	
+11			8.90	3.2	
+12			4.60	7.5	
C			4.50	7.6	
1/4			4.80	7.3	
+15			4.80	7.3	
N.R.			4.22		
℄ +2			4.80	7.3	
1/4			5.00	7.1	
C			5.30	6.8	
S.P.L.			5.60	6.5	
	250' W. of Allison				
S.P.L.			5.60	6.5	
C			5.20	6.9	
1/4			5.00	7.1	

+18			4.50	7.6	2's
N.R.			4.20	7.9	
℄ +6			4.40	7.3	
1/4			4.50	7.6	
C			4.50	7.6	
+8			4.00	8.1	
+9			8.70	3.4	
N.P.L.			9.00	3.1	
	300' W. of Allison				
N.P.L.			9.20	2.9	
+8			8.70	3.4	
+11			4.20	7.9	
C			4.40	7.7	
1/4			4.30	7.8	
℄			4.40	7.7	
1/4			5.00	7.1	
C			4.80	7.3	
S.P.L			5.20	6.9	

	318' W. of Allison		
S.P.L.	12.07	4.80	7.3
C		4.80	7.3
1/4		5.30	6.8
℄		5.00	7.1
1/4		5.00	7.1
C		4.70	7.4
+8		4.70	7.4
N.P.L		9.50	2.6
	385' W of Allison		
N.P.L.		5.60	6.5
C		5.40	6.7
	350' W. of Allison		
N.P.L		7.40	4.7
C		7.00	5.1
1/4		7.00	5.1
℄		6.50	5.6
1/4		6.95	5.2
+11		6.70	5.4

+12		5.00	7.1
C		4.70	7.4
S.P.L.		4.40	7.7
on Line from 3+85 to 3+50 on N. = Top of Bluff.			
S.P.L		4.80	7.3
C		4.90	7.2
+7		5.00	7.1
+8		6.80	5.3
1/4		7.20	4.9
℄		6.80	5.3
1/4		7.10	5.0
C		7.30	~~6.8~~ 4.8
N.P.L.		7.40	~~6.7~~ 4.7
T.P.		3.02	9.05

X section of HORNBLEND

W.P.L. of Allison [9.05] POSTED

N.P.L.	7.54	16.09	5.90
C			6.80
1/4			6.70
Ø			6.00
1/4			6.70
C			6.70
S.P.L.			6.60

50' W. of Allison

S.P.L.	5.80
C	5.90
1/4	5.80
Ø	5.20
1/4	5.60
C	5.70
N.P.L.	5.40

100' W. of Allison POSTED

N.P.L.	5.00
C	5.50
1/4	5.40
Ø	5.00
1/4	5.60
C	5.80
S.P.L.	5.60

150' W. of Allison

S.P.L.	5.70
C	5.70
1/4	5.30
Ø	4.90
1/4	5.40
C	5.30
N.P.L.	5.00

	200' W. of Allison			
N.P.L.		16.59	4.60	
C			4.60	
1/4			4.70	
℄			4.80	
1/4			5.40	
C			5.80	
S.P.L.			5.70	
	250' W. of Allison			
S.P.L.			5.50	
C			5.80	
1/4			5.20	
℄			4.90	
1/4			5.20	
C			5.30	
N.P.L.			5.00	

	300' W. of Allison			
N.P.L.			4.30	
C			4.80	
1/4			4.70	
℄			4.50	
1/4			4.70	
C			5.00	
S.P.L.			5.40	
	368' W. of Allison = Top of Bluff			
S.P.L.			5.80	
C			5.60	
1/4			5.50	
℄			5.30	
1/4			5.20	
C			5.00	
N.P.L.			5.40	
T.P.			2.88	13.71
	10.92	24.63		

PC.

Xsection of FELDSPAR Allison to Ocean

W.P.L. of Allison

N.P.L.	4.63	6.30
C		7.10
1/2		7.20
¢		7.00
1/4		7.50
C		7.90
S.P.L.		8.10

50' W. of Allison

S.P.L.	7.20
C	7.60
1/4	7.60
¢	7.00
1/4	7.60
C	7.60
N.P.L.	6.50

100' W of Allison

N.P.L.	6.90
C	7.40
1/4	7.20
¢	6.80
1/4	7.20
C	7.30
S.P.L.	7.30

150' W of Allison

S.P.L.	6.30
C	6.30
1/4	6.50
¢	6.00
1/4	6.50
C	6.70
N.P.L.	6.30

POSTED

200' W of Allison

N.P.L.	24.63	4.90
C		5.30
1/4		4.90
Q		4.30
1/4		4.90
C		5.40
S.P.L.		5.00

250' W of Allison

S.P.L.		4.90
C		5.00
1/4		4.50
Q		4.10
1/4		4.30
C		4.60
N.P.L.		4.00

300' W of Allison

N.P.L.		3.60
C		4.20
1/4		3.70
Q		3.40
1/4		4.00
C		4.30
S.P.L.		3.40

350' W. of Allison

S.P.L.		4.00
C		4.00
1/4		3.60
Q		2.80
1/4		3.30
C		3.60
N.P.L.		3.00

POSTED

	392' W. of Allison		
N.P.L.	24.63	2.60	
C		3.00	
1/4		2.80	
℄		2.70	
1/4		3.00	
C		3.20	
S.P.L.		3.80	
	410' W of Allison = Top of Bluff		
S.P.L.		7.00	
C		5.10	
1/4		4.40	
℄		3.10	
1/4		3.30	
C		2.80	
N.P.L.		3.70	
		2.52	22.11
	7.93	30.04	

POSTED

Xsection of EMERALD AVE

	W.T.L. of Allison		
N.P.L.	30.04	3.90	
C		4.60	
1/4		5.10	
℄		5.30	
1/4		5.40	
C		5.40	
S.P.L.		5.90	
	50' W. of Allison		
S.P.L.		6.90	
C		6.50	
1/4		6.20	POSTED
℄		6.00	
1/4		5.60	
C		5.40	
N.P.L.		4.70	

100' W. of Allison.

N.P.L.	30.04	4.30
C		4.60
1/4		4.80
℄		4.90
1/4		5.10
C		5.30
S.P.L.		5.70

150' W. of Allison

S.P.L.		5.40
C		5.00
1/4		4.80
℄		4.50
1/4		4.30
C		4.20
N.P.L.		3.90

200' W. of Allison

N.P.L.		4.00
C		4.40
1/4		4.70
℄		4.90
1/4		5.00
C		5.30
S.P.L.		5.80

250' W. of Allison

S.P.L.		6.30
C		5.80
1/4		5.60
℄		5.40
1/4		5.20
C		5.00
N.P.L.		4.50

POSTED

300' N. of Allison

N.P.L.	30.04	3.80
C		4.30
1/4		4.60
℄		4.70
1/4		4.80
C		5.00
S.P.L.		5.20

350' N. of Allison

S.P.L.		4.60
C		4.10
1/4		4.00
℄		3.80
1/4		3.60
C		3.40
N.P.L.		3.00

400'

N.P.L.		2.80
C		3.20
1/4		3.30
℄		3.60
1/4		3.70
C		3.90
S.P.L.		4.20

448' N of Allison = Top of Bluff

S.P.L.		6.60
C		4.40
1/4		3.40
℄		4.00
1/4		3.00
C		3.00
N.P.L.		2.60

Xsection of THOMAS AVE

W.P.L. of Allison 8.10

N.P.L.	0.50	8.60	5.70
C			5.70
1/4			5.70
℄			6.00
1/4			6.10
C			6.20
S.P.L.			6.20

50' W. of Allison

S.P.L.	6.40
C	5.90
1/4	6.00
℄	6.00
1/4	6.00
C	5.90
N.P.L.	5.60

100' W. of Allison

N.P.L	5.40
C	6.00
1/4	6.20
℄	6.20
1/4	6.20
C	6.10
S.P.L.	6.10

150 W. of Allison

S.P.L.	5.40
C	5.20
1/4	5.10
℄	5.30
1/4	5.30
C	5.30
N.P.L.	5.00

POSTED

	200 W of Allison			
N.P.L.		8.60	5.10	
C			5.00	
1/4			5.10	
℄			5.00	
1/4			4.90	
C			5.00	
S.P.L.			5.00	
	250' W. of Allison			
S.P.L.			4.10	
C			4.20	
1/4			4.30	
℄			4.50	
1/4			4.70	
C			4.60	
N.P.L.			4.30	

	300' W. of Allison			
N.P.L.			3.30	
C			3.20	POSTED
1/4			3.20	
℄			3.10	
1/4			3.10	
C			3.00	
S.P.L.			2.70	
	350 W. of Allison Top of Bluff.			
S.P.L.			2.50	
C			2.80	
1/4			2.70	
℄			2.70	
1/4			2.70	
C			2.60	
N.P.L.			2.60	
				5.10
	0.83	8.93	5.81	3.12

Xsec. of REED AVE Allison West

W.T.L. Allison [3.12]

N.P.L.	4.78	7.90	7.30
C			7.50
1/4			7.50
℄			7.60
1/4			7.80
C			7.90
S.P.L.			8.20

50' W. of Allison

S.P.L.	8.00
C	7.70
1/4	7.60
℄	7.50
1/4	7.20
C	7.20
N.P.L.	6.80

100' W. of Allison

N.P.L.	6.00
C	6.50
1/4	6.50
℄	6.40
1/4	6.40
C	6.30
S.P.L.	6.10

150' W. of Allison

S.P.L.	5.40
C	5.20
1/4	5.10
℄	5.00
1/4	5.20
C	5.30
N.P.L.	5.20

POSTED

200' W. of Allison

N.P.L.	7.90	3.90
C		4.00
1/4		4.00
℄		4.10
1/4		4.10
C		4.00
S.P.L.		3.90

250' W. of Allison

S.P.L.	2.90
C	2.90
1/4	2.90
℄	2.90
1/4	2.70
C	2.70
N.P.L.	2.60

300' W of Allison

N.P.L.	1.70
C	1.60
1/4	1.50
℄	1.50
1/4	1.50
C	1.40
S.P.L.	1.10

350' W of Allison

S.P.L.	1.10
C	1.30
1/4	1.20
℄	1.80
1/4	2.00
C	1.90
N.P.L.	2.00

POSTED

Xsec. of CASS St. E. Van Nys to Reed

B.M.	Blk 224 - 2nd pole E of Bjd			20.44	
T.P.	10.48	30.92	0.28	30.64	
T.P.	11.44	42.08	0.34	41.74	
T.P.	12.35	54.09	9.85	44.24	Hub. S.W. ~~Dreamland~~ & Cass
T.P.			0.19	53.90	
T.P.	12.16	66.06	0.17	65.89	
B.M.	9.05	74.94	6.37	68.57	Top of Hydrant Post & Cass & Lan
			0.31	74.63	
T.P.	12.30	86.93	0.23	86.70	
T.P.	12.79	99.49	0.32	99.17	
B.M.	12.88	112.05	9.13	102.92	Top of Hyacin & Cass Hi post
T.P.	~~0.17~~		0.17	111.88	
T.P.	12.68	124.56	0.55	124.01	
	12.89	136.90	1.12	135.78	Hub. S.E. Turquoise & Cass
T.P.	12.80	148.58	0.17	148.41	
	12.96	161.37	0.57	160.80	
	12.32	173.12			

S.P.L. of Van Nys

E.P.L.	173.12	5.00	168.1	
C		5.10	168.0	POSTED
1/4		6.40		
℄		6.50	166.6	
1/4		5.60		
C		4.80	168.3	
W.P.L.		4.00	169.1	

15' S of Van Nys.

W.P.L.	10.70	162.4	
C	9.90		
1/4	9.80		
℄	9.60	163.5	
1/4	9.20		
C	9.00		
E.P.L.	8.80	164.9	

Cass St = 60' wide 20' Walks

50' S. of Van Nys

E.P.L.	173.12	4.50	168.6
C		5.80	
1/4		5.90	
℄		6.60	166.5
1/4		7.00	
C		7.70	
W.P.L.		9.50	163.6

~~100~~ 75' S. of Van Nys

W.P.L.		11.10	162.0
C		10.30	
1/4		7.90	
℄		7.00	166.1
1/4		6.00	
C		4.80	
E.P.L.		3.20	169.9

173.12

100' S. of Van Nys

E.P.L.		0.20	172.9
C		2.50	
1/4		3.50	
℄		5.30	167.8
1/4		6.70	
C		10.30	
+5		10.70	
+10		12.50	
W.P.L.		12.80	160.3

125' S. of Van Nys

W.P.L.		12.70	160.4
+4		14.00	
+8		14.00	
+10		12.40	
C		10.70	
1/4		4.70	
+7		2.60	
℄		2.40	170.7
1/4		1.90	
C		1.50	
E.P.L.		0.70	172.4

POSTED

	150' S of Van Nys			
E.P.L.		173.12	1.10	172.0
C			1.90	
1/4			2.40	
℄			3.00	170.1
1/4			3.30	
+2			6.70	
+8			10.70	
C			11.20	
W.P.L.			12.00	161.1
	170' S. of Van Nys			
W.P.L.			13.10	160.0
+11			13.10	
~~℄~~ 17			11.30	
C			9.20	
+3			3.80	
1/4			3.70	
℄			3.20	169.9
E.~~1/4~~L.			3.00	
C			2.60	
E.P.L.			1.80	171.3

		173.12		
	185' S. of Van Nys			
W.P.L. +10			12.10	
" " "	187' S "		van Nys 3.80	
	195' S. of Van Nys			
W.P.L.			13.30	159.8
N.P.L.	198' S of Van Nys		5.00	168.1
	200' S. of Van Nys			
E.P.L.			2.50	170.6
C			3.10	
1/4			3.40	
℄			3.80	169.3
1/4			4.20	
C			4.50	
W.P.L.			5.06	168.1

≈50' S. of Van Nys

W.P.L.	173.12	7.20	165.9
C		6.60	
1/4		6.90	
℄		6.70	167.4
1/4		6.70	
C		6.30	
E.P.L.		4.50	168.6

≈65' S. of Van Nys = N.P.L. Archer

E.P.L.		6.30	167.8
C		6.10	
1/4		6.60	
℄		6.50	166.6
1/4		6.50	
C		7.10	
W.P.L.		7.80	165.3

Archer = 70' 17' walks

173.12

N. CL of Archer

W.P.L.		8.80	164.3
C		8.10	
1/4		7.60	
℄		7.70	165.4
1/4		7.60	
C		7.50	
E.P.L.		7.00	166.1

N. 1/4 of Archer

E.P.L		7.10	166.0
C		7.60	
1/4		7.80	
℄		7.60	165.5
1/4		7.80	
C		8.20	
W.P.L.		8.40	164.7

℄ of Archer

W.P.L.	173.12	8.40	164.7
C		8.30	
¼		7.70	
℄		7.80	165.3
¼		8.00	
C		7.60	
E.P.L.		7.00	166.1

¼ of Archer

E.P.L.		7.70	165.4
C		8.50	
¼		8.90	
℄		9.00	164.1
¼		9.00	
C		9.00	
W.P.L.		9.50	163.6

S.C.L. of Archer

W.P.L.		9.90	163.2
C		9.40	
¼		9.30	
℄		9.20	163.9
¼		9.20	
C		8.90	
E.P.L.		8.10	165.0

S.P.L. of Archer

E.P.L.		8.00	165.1
C		9.20	
¼		9.70	
℄		9.70	163.4
¼		9.40	
C		10.00	
W.P.L.		10.20	162.9

	50' S. of Archer			
W. P. L.		172.12	11.70	161.4
C			11.60	
1/4			11.10	
℄			11.20	161.9
1/4			11.40	
C			10.80	
E. P. L.			10.00	163.1
	100' S. of Archer			
E. P. L.			11.10	162.0
C			11.70	
1/4			12.00	
℄			12.20	160.9
1/4			12.10	
C			12.80	
W. P. L.			13.30	159.8
T. P.			12.66	160.26
	1.09	161.35		

	150' S. of Archer			
W. P. L.		161.35	3.10	158.3
C			2.60	
1/4			1.80	
℄			1.80	159.6
1/4			1.50	
C			1.00	
E. P. L.			0.20	161.2
	200' S. of Archer			
E. P. L.			1.90	159.5
C			2.80	
1/4			3.50	
℄			3.50	157.9
1/4			3.50	
C			4.50	
W. P. L.			5.30	156.1

250' S. of Archer

W.P.L.	161.35	6.50	154.9
C		6.10	
1/4		5.30	
℄		5.40	156.0
1/4		5.50	
C		4.90	
E.P.L.		4.40	157.0

265' S of Archer = N.L. Agate

E.P.L.		4.90	156.5
C		5.30	
1/4		5.90	
℄		5.80	155.6
1/4		5.70	
C		6.50	
W.P.L.		7.00	154.4

Agate = 60' 20' walks

161.35

N.C.L. of Agate

W.P.L.		7.80	153.6
C		7.40	
1/4		6.90	
℄		6.80	154.6
1/4		6.60	
C		6.50	
E.P.L.		6.00	155.4

N. 1/4 of Agate

E.P.L.		6.40	155.0
C		6.80	
1/4		7.00	
℄		7.10	154.3
1/4		7.40	
C		7.70	
W.P.L.		8.20	153.2

℄ of Agate

W.P.L.	161.35	8.10	153.3
C		8.00	
1/4		7.20	
℄		7.20	154.2
1/4		7.20	
C		6.90	
E.P.L.		6.50	154.9

S. 1/4 of Agate

E.P.L.		7.50	153.9
C		7.80	
1/4		7.80	
℄		7.90	153.5
1/4		7.90	
C		8.40	
W.P.L.		9.20	152.2

161.35

S.C.L. of Agate

W.P.L.		9.60	151.8
C		9.40	
1/4		8.70	
℄		8.70	152.7
1/4		8.70	
C		8.40	
E.P.L.		8.00	153.4

S.P.L. of Agate

E.P.L.		8.80	152.6
C		9.30	
1/4		9.80	
℄		9.60	151.8
1/4		9.30	
C		10.20	
W.P.L.		10.40	151.0
T.P.		11.85	149.50
	1.32	150.82	

50' S. of Agate

W.P.L.	150.82	1.60	149.2
C		1.70	
1/4		1.30	
℄		1.50	149.3
1/4		1.80	
C		1.20	
E.P.L.		0.90	149.9

100' S. of Agate

E.P.L.		3.30	147.5
C		3.70	
1/4		4.00	
℄		4.10	146.7
1/4		4.00	
C		4.60	
W.P.L.		4.70	146.1

150.82

150' S. of Agate

W.P.L		7.20	143.6
C		7.10	
1/4		6.30	
℄		6.40	144.4
1/4		6.40	
C		6.00	
E.P.L.		5.90	144.9

200' S. of Agate

E.P.L.		8.30	142.5
C		8.30	
1/4		8.80	
℄		8.70	142.1
1/4		8.70	
C		9.40	
W.P.L.		9.70	141.1

250' S. of Agate

W.P.L.	150.82	11.80	139.0
C		11.70	
1/4		10.80	
℄		11.00	139.8
1/4		10.80	
C		10.60	
E.P.L.		10.30	140.5

305' S. of Agate = N.L. Turquoise

E.P.L.		12.90	138.1
C		12.90	
1/4		13.50	
℄		13.40	137.4
1/4		13.00	
C		13.90	
W.P.L.		14.30	136.5
		12.71	138.11

N.C.L. Turquoise

W.P.L.	1.10	139.21	3.20	136.0
C			2.90	
1/4			2.10	
℄			2.20	137.0
1/4			2.30	
C			1.80	
E.P.L.			1.60	137.6

N. 1/4 of Turquoise

E.P.L.		1.80	137.4
C		2.00	
1/4		2.10	
℄		2.20	137.0
1/4		2.50	
C		3.00	
W.P.L.		3.60	135.6

POSTED

	℄ of Turquoise			
W.P.L.		139.21	3.40	135.8
C			3.00	
¼			2.30	
℄			2.20	137.0
¼			2.30	
C			1.90	
E.P.L.			1.60	137.6
	S ¼ of Turquoise			
E.P.L.			2.50	136.7
C			2.90	
¼			3.00	
℄			2.70	136.5
¼			3.00	
C			3.40	
W.P.L.			4.20	135.0
	Turquoise = 60' wide 10' walks			

	S.C.L. of Turquoise			
W.P.L.			5.30	133.9
C			4.10	
¼			3.40	
℄			3.30	135.9
¼			3.70	
C			3.40	
E.P.L.			3.20	136.0
	S.P.L. of Turquoise			
E.P.L.			3.40	135.8
C			3.70	
¼			4.10	
℄			3.70	135.5
¼			3.80	
C			4.70	
W.P.L.			5.50	133.7
			3.41	135.80 135.78

80
86
44

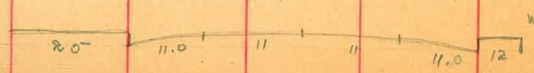
50' S. of Turquoise

W.P.L.	139.21	7.10	132.10	
C		7.00		
1/4		6.70		
℄		5.80	133.40	
1/4		5.80		
C		6.20		
E.P.L.		5.40	133.80	

100' S. of Turquoise

E.P.L.		7.30	131.90	
		7.80		Top
C		8.60		Gutter
1/4		8.40		
℄		7.70	132.50	
1/4		8.40		
		9.60		Gutter
C		8.80		Top
W.P.L.		9.20	130.0	

Part of Boulevard - Graded -



150' S. of Turquoise

W.P.L.	139.20	11.10	128.10	
		10.80		Top
C		11.20		Gut
1/4		10.40		
℄		9.70	129.50	
1/4		9.80		
		10.20		Gutt
C		9.60		Top
E.P.L.		9.00	130.20	

200' S. of Turquoise

E.P.L.		10.10	129.10	
		10.90		Top
C		11.30		Gut
1/4		11.50		
℄		11.60	128.60	
1/4		12.20		
		13.10		Gut
C		12.60		Top
W.P.L.		13.00	126.20	
T.P.		12.74	126.47	
	1.49	127.96		

235' S. of Turquoise = N.P.L. Sapphire

N.P.L.	129.96 128.00	3.80 3.40	124.20	Top
C		3.70		Gut
1/4		3.10		
℄		2.70	125.30	
1/4		2.60		
C		2.90 2.30	C	Gut Top
E.P.L.		2.00	126.00	

N.C.L. of Sapphire

E.P.L.	3.60	125.00	
C	3.30		
1/4	3.90		
℄	3.80	124.20	
1/4	3.70		
C	4.20		
W.P.L.	4.70	123.30	

Sapphire 70' Wide 17' walks

Cass - From N.C.L. Regular 80' St. 20' walks

N 1/4 of Sapphire

	128.00		
W.P.L.	4.80	123.20	
C	4.70		
1/4	4.50		
℄	4.70	123.30	
1/4	4.70 +6 3.60		
C	3.30		
E.P.L.	3.00	125.00	

℄ of Sapphire

E.P.L.	3.90	123.10	
C	3.90 +5 4.10		
1/4	5.20		
℄	5.40	122.60	
1/4	5.50		
C	5.50		
W.P.L	5.20	122.70	

POSTED

S ¼ of Sapphire

W.P.L.	127.96	5.50	122.50
+13		5.70	
C		6.60	
¼		6.40	
℄		6.30	121.70
¼		6.30	
+5		4.90	
C		4.70	
E.P.L.		4.70	123.30

S.C.L. of Sapphire

E.P.L.		5.60	122.40
C		6.00	
+5		6.20	
¼		7.00	
℄		6.90	121.10
¼		7.00	
C		7.20	
+7		6.40	
W.P.L.		6.10	122.90

S.P.L. of Sapphire

W.P.L.		7.30	120.70
C		8.10	
¼		7.60	
℄		7.60	120.40
¼		7.90	
C		6.90	
E.P.L.		6.30	121.70

50' S. of Sapphire

E.P.L		9.40	118.60
C		9.90	
¼		10.00	
℄		9.90	118.10
¼		10.20	
C		10.80	
+5		11.80	
W.P.L.		11.20	116.80

	100 S. of Sapphire			
W.P.L.		127.96	13.40	114.60
C			13.30	
¼			11.40	
℄			11.10	116.90
¼			11.10	
C			11.20	
E.P.L.			10.30	117.70
	150' S. of Sapphire			
E.P.L.			11.80	116.20
C			12.40	
¼			12.60	
℄			12.50	115.50
¼			12.50	
C			13.30	
W.P.L.			13.80	114.20
T.P.			12.73	115.23 102.92 12.31
	0.17	115.40		

	200' S. of Sapphire			
W.P.L.		115.40	2.50	112.90
C			1.90	
¼			1.20	
℄			0.80	114.60
¼			1.10	
C			0.50	
E.P.L.			0.20	115.20
	250' S. of Sapphire			
E.P.L.			1.80	113.60
C			1.90	
¼			2.30	
℄			2.20	113.20
¼			2.40	
C			2.80	
W.P.L.			2.90	112.50

2.65' S of Sapphire = N.P.L. Tourmaline

W.P.L.	115.40	3.30	112.10
C		3.10	
1/4		2.70	
℄		2.60	112.80
1/4		2.70	
C		2.30	
E.P.L.		2.40	113.00

N.C.L. Tourmaline

E.P.L.		2.80	112.60
C		2.80	
1/4		2.90	
℄		2.60	112.80
1/4		3.00	
C		2.50	
W.P.L.		4.00	111.40

N 1/4 of Tourmaline

W.P.L.		4.00	111.40
C		3.70	
1/4		3.10	
℄		2.70	112.70
1/4		3.10	
C		3.00	
E.P.L.		3.10	112.30

℄ of Tourmaline

E.P.L.		3.00	112.40
C		3.10	
1/4		3.50	
℄		3.30	112.10
1/4		3.40	
C		4.00	
W.P.L.		4.00	111.40

POS.

S. 1/4 of Tourmaline

W.P.L.	115.40	4.30	111.10
C		4.60	
1/4		3.90	
℄		3.80	111.60
1/4		3.90	
C		3.60	
E.P.L.		3.60	111.80

S.C.L. of Tourmaline

E.P.L.		3.90	111.50
C		4.00	
1/4		4.30	
℄		4.60	111.20
1/4		4.30	
C		5.00	
W.P.L.		4.90	110.50

S.P.L. of Tourmaline

W.P.L.		5.16	110.30
C		5.30	
1/4		4.80	
℄		4.70	110.70
1/4		4.60	
C		4.60	
E.P.L.		4.30	111.10

50' S of Tourmaline

E.P.L.		5.80	109.60
C		6.10	
+5		6.70	
1/4		6.30	
℄		6.20	109.20
1/4		5.90	
C		6.30	
W.P.L.		6.40	109.00

POSTED

100' S. of Tourmaline

W.P.L.	115.40	7.20	108.20
+10		7.40	
C		8.00	
1/4		7.60	
℄		7.10	108.30
1/4		7.60	
+5		7.90	
C		7.30	
~~X~~		~~7.90~~	
E.P.L.		7.00	108.40

150' S. of Tourmaline

E.P.L.		8.30	107.20
C		8.50	
+5		9.00	
1/4		8.90	
℄		8.60	106.80
1/4		8.50	
C		9.20	
W.P.L.		9.10	106.30

200' S. of Tourmaline

W.P.L.		10.70	104.70	
C		10.60		
1/4		10.10		
℄		9.90	105.50	
1/4		10.20		
C		9.80		
E.P.L.		9.90	105.50	

250' S. of Tourmaline

E.P.L.		11.90	103.50	
C		11.80		
1/4		12.30		
℄		11.90	103.50	
1/4		11.50		
C		12.00		
W.P.L.		12.20	103.20	
B.M.		12.47	102.93	Top Hydrant Post S.W. Hyacinth & Cass
	0.25	103.18		

≈65' S. of Sapphire = N.L. Hyacinth

W.P.L.	103.18	0.40	102.80
C		0.00	
1/4		+0.60	
℄		0.20	103.00
1/4		0.60	
C		0.30	
E.P.L.		0.30	102.90

N.C.L. Hyacinth

E.P.L.		1.40	101.80
C		1.20	
1/4		1.00	
℄		0.70	102.50
1/4		0.50	
C		0.80	
W.P.L.		1.10	102.10

Hyacinth = 70' - 17 walks

N. 1/4 of Hyacinth

W.P.L.		0.90	102.30
C		1.10	
1/4		0.80	
℄		0.90	102.30
1/4		1.20	
C		1.10	
E.P.L.		1.40	101.80

℄ of Hyacinth

E.P.L.		2.00	101.20
C		1.50	
1/4		1.60	
℄		1.20	102.00
1/4		1.00	
C		1.20	
W.P.L.		1.20	102.00

S ¼ of Hyacinth

W.P.L.	103.18	2.00	101.20
C		2.10	
¼		1.70	
℄		1.80	101.40
¼		2.00	
C		2.30	
E.P.L.		3.00	100.20

S.C.L. of Hyacinth

E.P.L.		3.20	100.00
C		2.50	
¼		2.60	
℄		2.00	101.20
¼		1.60	
C		2.30	
W.P.L.		2.10	101.10

S.P.L. of Hyacinth

W.P.L.		2.50	100.70
C		2.80	
¼		2.20	
℄		2.40	100.80
¼		3.30	
C		3.30	
E.P.L.		4.00	99.20

50' S. of Hyacinth

E.P.L.		5.00	98.20
C		5.10	
¼		5.10	
℄		4.40	98.80
¼		4.50	
C		4.50	
W.P.L.		4.20	99.00

100' S. of Hyacinth

W.P.L.	103.18	5.80	97.40
C		6.10	
1/4		5.60	
℄		5.70	97.50
1/4		6.30	
C		6.00	
E.P.L.		5.80	107.40

150' S. of Hyacinth

E.P.L.		6.80	106.40
C		6.90	
1/4		7.30	
℄		6.70	96.50
1/4		7.00	
C		7.60	
W.P.L.		7.40	95.80

200' S. of Hyacinth

W.P.L.		9.10	94.10
C		8.80	
1/4		8.10	
℄		7.80	95.40
1/4		8.40	
C		8.40	
~~E.P.L.~~		~~8.80~~ ~~8.00~~	
E.P.L.		7.80	95.40

250' S. of Hyacinth

E.P.L.		9.20	94.00
C		9.30	
1/4		9.50	
℄		9.00	94.20
1/4		9.30	
C		10.10	
W.P.L.		10.40	92.80

265' S. of Hyacinth = N.L. of Loring

W.P.L.	103.18	10.90	92.30
C		10.20	
½		9.60	
℄		9.40	93.80
½		10.10	
C		9.70	
E.P.L.		9.60	93.60

N.C.L. Loring

E.P.L.		10.20	93.00
C		10.20	
¼		10.60	
℄		10.10	93.70
¼		10.40	
C		11.00	
W.P.L.		11.00	92.20

Loning = 185.10' wide 20' walks

20 | 22.2 | 20

N. ¼ of Loring

W.P.L.		11.70	91.50
C		11.50	
¼		11.10	
℄		10.90	92.30
¼		11.00	
C		11.10	
E.P.L.		10.70	92.50

℄ of Loring

E.P.L.		11.00	92.20
C		11.20	
½		11.30	
℄		11.30	91.90
½		11.50	
C		11.80	
W.P.L.		12.30	90.90

S. ¼ of Loring

W.P.L.		103.18	13.20	90.00
C			12.80	
¼			12.30	
℄			11.90	
¼			12.40	
C			11.80	
E.P.L.			11.80	91.40

S.C.L. of Loring

E.P.L.			12.10	91.10
C			12.20	
¼			12.60	
℄			12.10	91.10
¼			12.50	
C			13.20	
W.P.L.			13.70	89.50
T.P.			12.64	90.54
	0.65	91.19		

S.P.L. of Loring

W.P.L.		91.19	1.50	89.70
C			1.40	
¼			1.10	
℄			0.60	90.60
¼			1.20	
C			0.80	
E.P.L.			0.60	90.60

50' S. of Loring

E.P.L.			1.90	89.30
C			2.10	
+5			3.10	
¼			2.60	
℄			1.90	89.30
¼			2.30	
C			3.00	
W.P.L.			2.80	88.40

100' S. of Loring

W.P.L.	91.19	4.10	87.10
C		4.50	
1/4		3.90	
℄		3.30	87.90
1/4		3.60	
+5		4.10	
C		3.20	
E.P.L.		3.50	87.70

150' S. of Loring

E.P.L.		4.70	86.50
C		5.00	
+5		5.70	
1/4		5.10	
℄		4.70	86.50
1/4		5.30	
C		5.70	
W.P.L.		5.60	85.60

200' S. of Loring

W.P.L.		6.90	84.30
C		6.90	
1/4		6.50	
℄		6.10	85.10
1/4		6.50	
C		6.40	
E.P.L.		6.30	84.90

250' S. of Loring

E.P.L.		7.70	83.50
C		7.20	
1/4		8.00	
℄		7.10	84.10
1/4		7.70	
C		8.40	
W.P.L.		8.00	83.20

POSTED

≈ 70' S. of Loring = N.L. Wilbur

W.P.L.	91.19	8.60	82.60
C		8.60	
1/4		8.10	
℄		7.60	83.60
1/4		8.50	
C		7.80	
E.P.L.		8.10	83.10

N.C.L. of Wilbur

E.P.L.		8.40	82.80
C		8.90	
1/4		7.90	
℄		8.20	83.00
1/4		8.60	
C		9.20	
W.P.L.		9.00	82.20

Wilbur = 80' wide 20' walks

N. 1/2 of Wilbur

W.P.L.		9.30	81.90
C		9.30	
1/4		8.90	
℄		8.40	82.80
1/4		9.00	
C		8.60	
E.P.L.		8.60	82.60

℄ of Wilbur

E.P.L.		8.40	82.80
C		8.70	
1/4		9.40	
℄		8.50	82.70
1/4		9.20	
C		9.70	
W.P.L.		9.60	81.60

POSTED

S. ½ of Wilbur

W.P.L		91.19	9.80	81.40
C			9.80	
½			9.40	
℄			8.80	82.40
½			9.50	
C			9.50	
E.P.L			9.20	83.00

S.C.L. of Wilbur

E.P.L.			9.70	81.50
C			10.00	
½			9.50	
℄			9.00	82.20
½			9.70	
C			10.20	
W.P.L			10.10	81.10

S.P.L. of Wilbur

W.P.L			10.60	80.60
C			10.40	
½			10.20	
℄			9.70	81.50
½			10.00	
C			10.20	
E.P.L.			9.80	82.40

50' S. of Wilbur

E.P.L.			11.00	80.20
C			11.90	
½			11.40	
℄			11.10	80.10
¼			11.50	
C			11.70	
W.P.L.			11.80	80.40

POSTED

100' S. of Wilbur

W.R.L.		91.19	13.00	78.20
C			12.90	
¼			12.80	
℄			12.20	79.00
¼			12.30	
C			12.70	
E.P.L.			12.20	79.00

150' S. of Wilbur

E.P.L.		79.51	1.60	78.90
C			2.80	
¼			2.20	
℄			1.90	77.60
¼			2.80	
C			2.90	
W.P.L			3.00	76.50
T.P.			12.13	79.06
	D.45	79.51		

200' S. of Wilbur

W.P.L.		79.51	5.10	74.40
C			4.60	
¼			4.40	
℄			4.60	74.90
¼			3.80	
C			3.70	
E.P.L.			2.30	77.20

250' S. of Wilbur

E.P.L.			3.90	75.60
C			5.00	
¼			4.90	
℄			5.20	74.30
¼			5.80	
C			6.10	
W.P.L.			6.30	73.20

270' S. of Wilbur = N.P.L. Beryl

W.P.L.	79.51	6.70	72.80
C		6.60	
1/4		6.20	
℄		5.20	74.30
1/4		5.20	74.30
C		5.00	
E.P.L.		4.30	75.20

S.P.L. Beryl

E.P.L.		7.00	72.50
C		8.10	
1/4		7.40	
℄		7.30	72.20
1/4		7.80	
C.		8.30	
W.P.L.		8.10	71.40

50' S. of Beryl

W.P.L.		9.30	70.20
C		8.70	
1/4		8.90	
℄		8.70	70.80
1/4		8.90	
C		9.10	
E.P.L.		9.00	70.50

100' S. of Beryl

E.P.L.		9.60	69.90
C.		9.50	
1/4		9.50	
℄		9.40	
1/4		9.40	
C		9.60	
W.P.L.		9.80	69.70

POSTED

150' S. of Beryl

W.P.L.	79.51	10.40	69.10
C		9.90	
1/4		9.90	
℄		9.50	70.00
1/4		9.70	
C		9.70	
E.P.L.		10.00	69.50

200' S. of Beryl

W.P.L.		10.10	69.40
C		10.00	
1/4		10.20	
℄		10.00	69.50
1/4		10.40	
C		10.50	
E.P.L.		11.00	68.50

250' S. of Beryl

W.P.L.		11.70	67.80
C		11.30	
1/4		11.10	
℄		10.50	69.80
1/4		10.70	
C		10.60	
E.P.L.		10.40	69.10

290' S. of Beryl = N.P.L. Law.

E.P.L.		10.60	68.90
C		10.90	
1/4		11.00	
℄		10.90	68.60
1/4		11.50	
C		11.60	
W.P.L.		12.10	67.40
B.M.		10.93	68.58 68.57

Top Hyd. Post S. of Cor. Coss + Law.

POSTED

	S.P.L. of Law			68.57
W.P.L.	0.14	68.71	2.60	66.10
C			2.20	
1/2			2.10	
℄			1.50	67.20
1/4			1.50	
C			1.40	
E.P.L.			1.00	67.70
	50' S. of Law			
E.P.L.			1.70	67.00
C			2.30	
1/4			2.40	
℄			2.20	66.50
1/4			2.90	
C			3.00	
W.P.L.			3.50	65.20

	100' S. of Law			
W.P.L			4.20	64.50
C			3.90	
1/4			3.90	
℄			3.20	65.50
1/4			3.20	
C			3.20	
E.P.L			2.70	66.00
	150' S. of Law			
E.P.L.			4.00	64.70
C			4.40	
1/4			4.40	
℄			4.30	64.40
1/4			5.00	
C			5.10	
W.P.L.			5.20	63.50

Continued in Book 418.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

For Single Track Embankment.

Roadway 14 feet wide. Side Slopes $1\frac{1}{2}$ 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.