LEVEL BOOK

400

F.B.438

H. S. CROCKER COMPANY

DRAWING MATERIALS AND SURVEYING INSTRUMENTS

SAN FRANCISCO

438

TABLES FOR EXCAVATIONS AND EMBANKMENTS

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING

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

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

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	0
1	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	1
2	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	2
3	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	3
4	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	4
5	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	5
6	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	6
7	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	7
8	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	8
9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	9
10	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	10
11	20.0	20.1	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

MICROFILMED
1-21-1964

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

BM 285.02 (v W Wach + 2nd)

X-Section Boston Continued from book no 429 P 80

12/26/08 Dunkle Shaw Thomas

	+ R	H.I.	− R	Elev
		53.54		
	E.L. 30th St			
S			3.2	50.3
crb			4.3	49.2
1/4			6.4	47.1
M			7.4	46.1
1/4			7.8	45.7
crb			8.3	45.2
N			8.0	45.5
		0+25		
N			5.4	48.1
crb			6.0	47.5
1/4			5.2	48.3
M			4.2	49.3
1/4			4.2	49.3
crb			3.4	50.1
S			2.6	50.9

		53.54		
		0+50		
S			1.7	51.8
crb			1.9	51.6
1/4			2.4	51.1
M			3.1	50.4
1/4			3.2	50.3
crb			3.2	50.3
N			3.2	50.3
		0+75		
N			2.1	51.4
crb			1.7	51.8
1/4			1.4	52.1
M			1.4	52.1
1/4			1.4	52.1
crb			1.4	52.1
S			1.6	51.9
T.P.	5.39	57.81	1.12	52.42

	57.81		
	1+0		
S		5.4	52.4
Crb		5.5	52.3
1/4		5.4	52.4
M		5.5	52.3
1/4		5.2	52.6
Crb		4.9	52.9
N		5.0	52.8
	1+25		
N		4.1	53.7
Crb		4.3	53.5
1/4		4.7	53.1
M		5.3	52.5
1/4		5.7	52.1
Crb		5.9	51.9
S		5.6	52.2

	57.81		
	1+50		
S		5.6	52.2
Crb		5.6	52.2
1/4		5.8	52.0
M		5.3	52.5
1/4		4.6	53.2
Crb		4.4	53.4
N		4.7	53.1
	1+75		
N		4.7	53.1
Crb		4.9	52.9
1/4		4.8	53.0
M		5.2	52.6
1/4		5.6	52.2
Crb		5.6	52.2
S		5.7	52.1 (50.1)

	57.81		
	2+0		
S		4.7	53.1
Crb		4.6	53.2
1/4		4.7	53.1
M		4.6	53.2
1/4		4.8	53.0
Crb		4.8	53.0
N		4.0	53.8
	2+25		
N		3.8	54.0
Crb		4.5	53.3
1/4		4.5	53.3
M		4.6	53.2
1/4		4.3	53.5
Crb		3.6	54.2
S		3.1	54.7

	57.81		
	2+50		
S		2.3	55.5
Crb		2.9	54.9
1/4		3.9	53.9
M		4.5	53.3
1/4		4.8	53.0
Crb		4.5	53.3
N		3.6	54.2
	2+75		
N		3.6	54.2
Crb		3.8	54.0
1/4		4.8	53.0
M		4.9	52.9
1/4		4.2	53.6
Crb		2.4	55.4
S		1.7	56.1

	57.81			
	3+0			
S		1.9	55.9	
crb		3.0	54.8	
"A		4.5	53.3	
M		4.9	52.9	
"A		4.3	53.5	
crb		4.2	53.6	
N		4.0	53.8	
	3+25			
N		4.3	53.5	
crb		4.6	53.2	
"A		4.2	53.6	
M		4.5	53.3	
"A		5.2	52.6	
crb		4.7	53.1	
S		3.2	54.6	

	57.81			
	3+50			
S		5.0	52.8	
crb		5.6	52.2	
"A		5.0	52.8	
M		4.9	52.9	
"A		4.9	52.9	
crb		5.3	52.5	
N		4.6	53.2	
	3+75			
N		5.7	52.1	
crb		5.7	52.1	
"A		5.4	52.4	
M		5.4	52.4	
"A		5.4	52.4	
crb		4.9	52.9	
S		6.0	51.8	

	57.81		
	4+0		
S		5.6	52.2
crb		6.0	51.8
1/4		6.0	51.8
M		5.7	52.1
1/4		6.1	51.7
crb		6.1	51.7
N		6.1	51.7
	4+25		
N		6.7	51.1
crb		6.8	51.0
1/4		6.7	51.1
M		6.3	51.5
1/4		6.5	51.3
crb		6.4	51.4
S		6.4	51.4

	57.81		
	4+50		
S		7.0	50.8
crb		7.0	50.8
1/4		7.2	50.6
M		7.2	50.6
1/4		7.1	50.7
crb		7.0	50.8
N		6.5	51.3
	4+75		
N		6.4	51.4
crb		6.6	51.2
1/4		7.0	50.8
M		7.2	50.6
1/4		7.5	50.3
crb		7.3	50.5
S		7.4	50.4

		57.81		
		5+0		
5			7.6	50.2
crb			7.3	50.5
"4			7.2	50.6
M			7.3	50.5
"4			6.8	51.0
crb			6.4	51.4
N			6.4	51.4
		5+25		
N			6.2	51.6
crb			6.1	51.7
"4			6.4	51.4
M			6.9	50.9
"4			7.3	50.5
crb			7.6	50.2
S			7.8	50.0

		57.81		
		5+50		
S			7.8	50.0
crb			7.3	50.5
"4			6.8	51.0
M			6.4	51.4
"4			6.4	51.4
crb			6.4	51.4
N			6.2	51.6
		5+75		
N			5.6	52.2
crb			6.4	51.4
"4			6.8	51.0
M			7.1	50.7
"4			7.1	50.7
crb			7.2	50.6
S			7.6	50.2

57.81

5+99 = W.L. 31st St

S	7.4	50.4
Crb	7.4	50.4
1/4	7.3	50.5
M	6.9	50.9
1/4	6.3	51.5
Crb	5.8	52.0
N	5.5	52.3

W. curb

N	6.0	51.8
Crb	6.3	51.5
1/4	6.7	51.1
M	7.1	50.7
1/4	7.3	50.5
Crb	7.4	50.4
S	7.6	50.2

57.81

N 1/4

S	7.0	50.8
Crb	6.7	51.1
1/4	6.5	51.3
M	6.0	51.8
1/4	5.6	52.2
Crb	5.5	52.3
N	5.1	52.7

Center

N	4.9	52.9
Crb	5.2	52.6
1/4	5.5	52.3
M	5.8	52.0
1/4	6.2	51.6
Crb	6.4	51.4
S	6.7	51.1

		57.81			
	E ¼				
S			6.6	51.2	
crb			6.3	51.5	
¼			6.1	51.7	
M			5.8	52.0	
¼			5.4	52.4	
crb			5.2	52.6	
N			4.8	53.0	
	E. Curb				
N			4.6	53.2	
crb			4.8	53.0	
¼			5.2	52.6	
M			5.6	52.2	
¼			5.8	52.0	
crb			6.3	51.5	
S			6.8	51.0	

	E.L. 31st St				
S			6.5	51.3	
crb			6.0	51.8	
¼			5.7	52.1	
M			5.4	52.4	
¼			5.0	52.8	
crb			4.8	53.0	
N			4.6	53.2	
T.P.	5.20	55.72	7.29	50.52	R.R. SPK. #21 Pole S.W. Cor Boston & 31st St.
		0+25 E of 31st			
N			2.7	53.0	
crb			3.0	52.7	
¼			2.6	53.1	
M			3.0	52.7	
¼			3.3	52.4	
crb			3.3	52.4	
S			3.8	51.9	

		55.72		12/29/08	Dunkle Shaw Thomas
		0+50			
S			4.3	51.4	
crb			3.8	51.9	
1/4			3.6	52.1	
M			3.5	52.2	
1/4			3.2	52.5	
crb			3.3	52.4	
N			2.9	52.8	
		0+75			
N			3.4	52.3	
crb			3.4	52.3	
1/4			3.8	51.9	
M			3.9	51.8	
1/4			4.1	51.6	
crb			4.0	51.7	
S			4.0	51.7	

		55.72			
		1+0			
S			4.2	51.5	
crb			4.0	51.7	
1/4			3.7	52.0	
M			4.0	51.7	
1/4			3.9	51.8	
crb			3.8	51.9	
N			3.9	51.8	
		1+25			
N			3.9	51.8	
crb			4.2	51.5	
1/4			4.2	51.5	
M			4.1	51.6	
1/4			4.0	51.7	
crb			3.8	51.9	
S			4.2	51.5	

	55.72			
	1+50			
S		4.3	51.4	
crb		4.5	51.2	
1/4		4.6	51.1	
M		4.5	51.2	
1/4		4.5	51.2	
crb		4.6	51.1	
N		4.1	51.6	
	1+75			
N		5.1	50.6	
crb		5.2	50.5	
1/4		5.3	50.4	
M		5.4	50.3	
1/4		5.2	50.5	
crb		5.4	50.3	
S		5.4	50.3	

	55.72			
	2+0			
S		5.9	49.8	
crb		5.8	49.9	
1/4		6.3	49.4	
M		6.4	49.3	
1/4		6.4	49.3	
crb		6.3	49.4	
N		5.6	50.1	
	2+25			
N		5.0	50.7	
crb		6.1	49.6	
1/4		7.8	47.9	
M		7.6	48.1	
1/4		7.3	48.4	
crb		7.2	48.5	
S		6.6	49.1	

	55.72			
	2+50			
S		8.3	47.4	
Crb		8.3	47.4	
1/4		8.2	47.5	
M		8.1	47.6	
1/4		7.4	48.3	
Crb		6.1	49.6	
N		5.0	50.7	
	2+75.			
N		4.2	51.5	
Crb		5.9	49.8	
1/4		6.5	49.2	
M		8.1	47.6	
1/4		8.3	47.4	
Crb		9.0	46.7	
S		9.4	46.3	

	55.72			
	3+0			
S		10.1	45.6	
Crb		9.5	46.2	
1/4		8.2	47.5	
M		6.6	49.1	
1/4		5.2	50.5	
Crb		4.0	51.7	
N		3.5	52.2	
	3+25			
N		3.4	52.3	
Crb		4.4	51.3	
1/4		5.2	50.5	
M		6.3	49.4	
1/4		8.1	47.6	
Crb		9.0	46.7	
S		10.3	45.4	

55.72

3+50

S	10.2	45.5
Crb	8.5	47.2
1/4	8.0	47.7
M	7.0	48.7
1/4	5.6	50.1
Crb	4.4	51.3
N	4.0	51.7

3+75

N	4.5	51.2
Crb	5.2	50.5
1/4	6.5	49.2
M	6.9	48.8
1/4	8.0	47.7
Crb	8.4	47.3
S	9.6	46.1

55.7

4+0

S	9.6	46.1
Crb	8.5	47.2
1/4	7.7	48.0
M	7.2	48.5
1/4	6.6	49.1
Crb	6.0	49.7
N	4.5	51.2

4+25

N	5.4	50.3
Crb	6.6	49.1
1/4	7.4	48.3
M	7.8	47.9
1/4	8.3	47.4
Crb	9.3	46.4
S	9.7	46.0

		55.72			
		4+50			
S			10.0	45.7	
Crb			10.0	45.7	
1/4			9.4	46.3	
M			9.0	46.7	
1/4			8.5	47.2	
Crb			7.7	48.0	
N			6.3	49.4	
T.P.	1.30	47.74	9.28	46.44	
		4+75			
N			0.1	47.6	
Crb			0.9	46.8	
1/4			1.5	46.2	
M			2.0	45.7	
3/4			2.8	44.9	
Crb			3.4	44.3	
S			3.2	44.5	

		47.74			
		5+0			
S			6.0	41.7	
Crb			5.4	42.3	
1/4			4.4	43.3	
M			3.7	44.0	
1/4			2.9	44.8	
Crb			2.1	45.6	
N			2.0	45.7	
		5+25			
N			5.5	42.2	
Crb			5.6	42.1	
1/4			6.3	41.4	
M			7.0	40.7	
1/4			7.4	40.3	
Crb			8.2	39.5	
S			9.3	38.4	

47.74

5+49.5 = W.L. 32.79 5+

5	13.8	33.9
crb	13.1	34.6
1/4	12.1	35.6
N	11.2	36.5
1/4	10.5	37.2
crb	10.1	37.6
N	9.1	38.6

X-section Park Boulevard University to Park

150' wide

B.M. R.R. SPK N.W. cor Univ & Park,				315.91	1/4 09 Dunkle Shaw Thomas
B.M.	2.27	318.18		315.91	
	S.L. University.				
W			6.7	311.5	
crb			5.7	312.5	
1/4	X		5.3	312.9	
M			3.2	315.0	
1/4			2.3	315.9	
crb			2.5	315.7	
E			2.1	316.1	
	0+25 S of Univ.				
E.			1.6	316.6	
crb			2.8	315.4	
+9			3.9	314.3	
1/4			2.9	315.3	
M			3.7	314.5	
+8			4.3	313.9	
+15			6.8	311.4	
1/4			7.4	310.8	
crb			7.1	311.1	
W			8.1	310.1	

	0+50			
W		10.9	307.3	
crb		10.1	308.1	
1/4		9.6	308.6	
+6		9.5	308.7	
+20		4.9	313.3	
M		4.3	313.9	
1/4		2.9	315.3	
+18		3.3	314.9	
+20		4.1	314.1	
crb		3.0	315.2	
E		2.0	316.2	
	0+75			
E		2.5	315.7	
crb		3.5	314.7	
+7		4.0	314.2	
1/4		3.2	315.0	
M		4.4	313.8	
+5		4.9	313.3	
+14		8.2	310.0	
1/4		9.4	308.8	
crb		10.9	307.3	
W		12.2	306.0	

	318.18			
	1+0			
W		10.5	307.7	
Crb		8.2	310.0	
"4		8.8	309.4	
+12		7.5	310.7	
+22		5.5	312.7	
M		5.1	313.1	
"4		3.4	314.8	
+20		4.0	314.2	
Crb		3.6	314.6	
E.		1.9	316.3	
	1+25			
E.		1.3	316.9	
Crb		3.5	314.7	
+8		3.9	314.3	
"4		3.8	314.4	
M		5.1	313.1	
+9		5.6	312.6	
+20		7.2	311.0	
"4		7.3	310.9	
Crb		6.8	311.4	
W		8.8	309.4	

	318.18			
	1+50			
W		9.6	308.6	
Crb		7.8	310.4	
"4		6.3	311.9	
M		4.7	313.5	
"4		4.0	314.2	
+20		4.0	314.2	
Crb		3.0	315.2	
E.		1.1	317.1	
	1+75			
E.		0.8	317.4	
+3		0.9	317.3	
+7		2.4	315.8	
Crb		3.8	314.4	
+7		4.6	313.6	
"4		4.1	314.1	
M		5.0	313.2	
"4		6.3	311.9	
Crb		8.3	309.9	
W.		9.8	308.4	

Y

	318.18		
	2+0		
W		10.5	307.7
Crk		8.9	309.3
1/4		7.3	310.9
M		4.7	313.5
1/4		4.3	313.9
+ 22		4.9	313.3
Crk		4.2	314.0
+10		2.9	315.3
+17		0.9	317.3
E		0.7	317.5
	2+25		
E		1.1	317.1
+ 2		1.3	316.9
+ 5		3.0	315.2
Crk		4.3	313.9
+ 6		5.2	313.0
1/4		4.5	313.7
4 21		5.6	312.6
M		5.2	313.0
1/4		7.6	310.6
Crk		9.3	308.9
W		11.4	306.8

Note: Essex does not cross Park

	318.18		
	2+38.9 = M.L. Essex 50' W		
W.		11.0	307.2
Crk		8.9	309.3
1/4		8.1	310.1
M		5.4	312.8
+ 6		5.8	312.4
1/4		4.7	313.5
+ 22		5.4	312.8
Crk		4.4	313.8
+ 2		3.6	314.6
+ 13		3.3	314.9
+ 18		1.6	316.6
E		1.7	316.5
	Center Essex		
E.		2.6	315.6
+ 3		3.6	314.6
+ 14		3.9	314.3
Crk		5.4	312.8
+ 6		5.7	312.5
1/4		5.1	313.1
+ 21		6.2	312.0
M		6.5	311.7
1/4		9.1	309.1
Crk		9.7	308.5
W		11.3	306.9

318.18

5.L. Essex

W	12.3	305.9
crb	10.8	307.4
1/4	9.6	308.6
M	7.3	310.9
1/4	5.4	312.8
+ 22	5.9	312.3
crb	5.2	313.0
+ 5	4.1	314.1
+ 15	4.1	314.1
E	3.2	315.0

0+25 S of 5.L. Essex

E	4.2	314.0
+4	5.1	313.1
crb	5.7	312.5
+6	6.4	311.8
1/4	5.8	312.4
+20	7.0	311.2
+23	7.9	310.3
M	7.9	310.3
1/4	10.2	308.0
crb	11.4	306.8
W	12.5	305.7

318.18

0+50

W	12.5	305.7
crb	11.5	306.7
1/4	11.4	306.8
M	8.1	310.1
+ 5	8.1	310.1
+ 9	7.0	311.2
1/4	6.1	312.1
+23	7.1	311.1
crb	6.4	311.8
E	5.5	312.7

0 + 75

E	5.2	313.0
+2	6.3	311.9
crb	7.1	311.1
+ 4	7.5	310.7
1/4	6.5	311.7
+ 18	7.4	310.8
+ 21	9.0	309.2
M	9.0	309.2
+ 19	9.6	308.6
1/4	11.6	306.6
crb	12.6	305.6
W	13.8	304.4

	318.18			
	1+0			
W		14.1	304.1	
crb		13.0	305.2	
1/4		12.1	306.1	
M		9.9	308.3	
+ 3		9.9	308.3	
+ 8		7.7	310.5	
1/4		7.1	311.1	
+ 25		8.0	310.2	
crb		7.5	310.7	
+ 18		6.8	311.4	
- E		6.0	312.2	
X	1+25			
E		6.5	311.7	
crb		8.0	310.2	
+ 5		8.0	310.2	
1/4		7.3	310.9	
+ 19		8.1	310.1	
M		10.7	307.5	
1/4		12.4	305.8	
crb		13.3	304.9	
W		14.2	304.0	

	318.18			
	1+50			
W		14.3	303.9	
crb		13.7	304.5	
1/4		12.8	305.4	
+3		12.7	305.5	
+7		11.5	306.7	
M		10.8	307.4	
+ 6		8.4	309.8	
1/4		7.8	310.4	
+ 20		8.1	310.1	
crb		7.7	310.5	
E		6.6	311.6	
	1+75			
E		3.7	314.5	
+3		4.3	313.9	
crb		6.9	311.3	
+ 8		8.3	309.9	
1/4		8.0	310.2	
+24		8.8	309.4	
M		9.8	308.4	
+ 5		11.1	307.1	
1/4		13.2	305.0	
crb		13.8	304.4	
W		14.5	303.7	

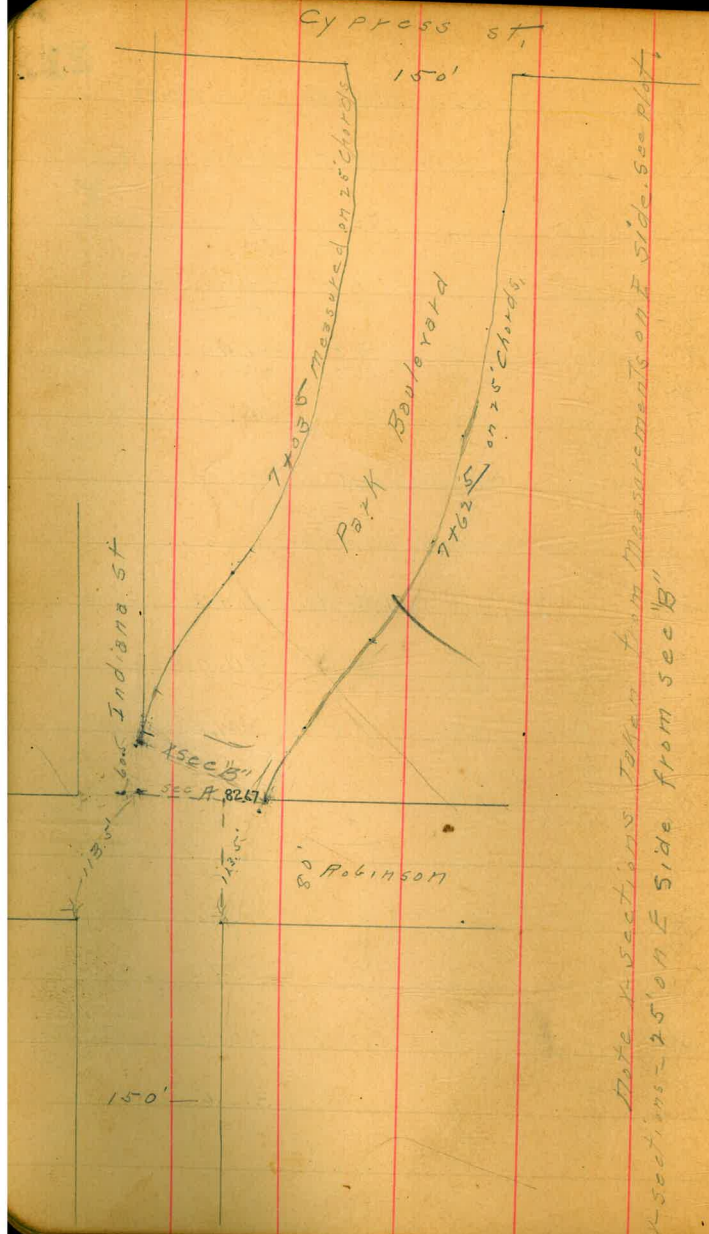
		318.18			
		2 + 0			
W			14.4	303.8	
crb			14.1	304.1	
1/4			13.2	305.0	
+ 3			12.9	305.3	
+ 10			11.4	306.8	
+ 17			11.0	307.2	
M			9.3	308.9	
1/4			8.4	309.8	
+ 13			8.6	309.6	
crb			6.4	311.8	
+ 13			4.3	313.9	
+ 18			2.5	315.7	
E,			2.3	315.9	
T.P.	2.74	316.63	4.29	313.89	
		2 + 25			
E,			2.0	314.6	
crb			5.0	311.6	
+ 18			7.5	309.1	
1/4			7.3	309.3	
M			8.1	308.5	
+ 3			8.2	308.4	
+ 12			10.4	306.2	
1/4			11.6	305.0	
crb			12.4	304.2	
W			13.0	303.6	

		316.63			
		2 + 50			
W			13.0	303.6	
crb			12.2	304.4	
1/4			10.5	306.1	
+ 12			10.5	306.1	
+ 21			8.9	307.7	
M			8.3	308.3	X
1/4			7.6	309.0	
+ 4			8.6	308.0	
crb			4.0	312.6	
E			1.7	314.9	
		2 + 75			
E			2.4	314.2	
crb			4.8	311.8	
1/4			8.6	308.0	
M			8.4	308.2	
+ 11			9.0	307.6	
+ 20			10.2	306.4	
1/4			11.2	305.4	
crb			12.1	304.5	
W			13.1	303.5	

		316.63			
		3+0			
W			13.1	303.5	
crb			11.8	304.8	
1/4			10.6	306.0	
M			8.9	307.7	
+20			8.8	307.8	
1/4			8.0	308.6	
crb			4.7	311.9	
+18			2.4	314.2	
E			1.6	315.0	
		3+25			
E.			1.4	315.2	
+2			2.3	314.3	
crb			3.9	312.7	
1/4			7.3	309.3	
+15			9.1	307.5	
M			9.1	307.5	
1/4			10.7	305.9	
crb			12.4	304.2	
W			13.5	303.1	

		316.63			
		3+55 = N.L. Robinson			
W			13.5	303.1	
crb			12.7	303.9	
1/4			10.5	306.1	
M			9.2	307.4	
+7			9.7	306.9	
1/4			7.2	309.4	
crb			3.0	313.6	
E			0.8	315.8	
T.P.	5.37	311.89	10.11	306.52	Nos Hydt cor Park & Robinson
		N. Curb Robinson			
E.			+2.4	314.3	
crb			0.9	311.0	
1/4			4.7	307.2	
+11			5.4	306.5	
M			5.1	306.8	
+20			6.3	305.6	
1/4			7.6	304.3	
crb			8.3	303.6	
W			9.3	302.6	

X



Note x-sections taken from measurements on E side. See plot.
x-sections - 25' on E side from sec "B"

	311.89		
	N 1/4		
W		11.3	300.6
crb		9.1	302.8
1/4		8.2	303.7
+12		7.8	304.1
+17		6.3	305.6
M		5.7	306.2
1/4		5.7	306.2
crb		2.2	309.7
E		+0.9	312.8
	Center		
E		0.6	311.3
crb		4.0	307.9
+19		6.0	305.9
1/4		5.3	306.6
M		6.5	305.4
+2		6.7	305.2
+6		8.1	303.8
1/4		8.6	303.3
crb		10.5	301.4
W		11.6	300.3

311.89

5 "4

W	12.0	299.9
crk	11.0	300.9
"4	9.5	302.4
M	8.3	303.6
+5	7.0	304.9
"4	6.0	305.9
+15	6.3	305.6
Crk	5.1	306.8
E	2.9	309.0

5 Curb

E.	4.6	307.3
crk	6.3	305.6
+6	6.9	305.0
"4	6.8	305.1
+16	7.5	304.4
+21	8.6	303.3
M	9.0	302.9
"4	10.2	301.7
crk	11.7	300.2
W	12.7	299.2

311.89

S.L. Robinson or X-Sec "7"

W	12.8	299.1
crk	12.3	299.6
"4	10.7	301.2
M	9.4	302.5
+	7.9	304.0
"4	7.2	304.7
+21	7.4	304.5
crk	6.9	305.0
E	5.9	306.0

X-Sec. "B"

E	6.5	305.4
crk	7.3	304.6
+24	9.1	302.8
"4	8.9	303.0
M	8.7	303.2
+6	9.2	302.7
+16	10.9	301.0
"4	11.3	300.6
crk	12.2	299.7
W	12.8	299.1

		311.89		
		0+25		
W			13.2	298.7
crb			12.4	299.5
1/4			12.0	299.9
−1.8			11.2	300.7
+22			10.1	301.8
M			9.7	302.2
1/4			9.8	302.1
+5			9.8	302.1
crb			8.1	303.8
E.			6.8	305.1
		0+50		
E			8.5	303.4
crb			9.5	302.4
1/4			10.5	301.4
M			10.3	301.6
+7			10.7	301.2
+12			11.6	300.3
1/4			12.4	299.5
crb			13.0	298.9
W			14.0	297.9

		311.89		
		0+75		
W			14.5	297.4
crb			13.6	298.3
1/4			12.9	299.0
+17			12.5	299.4
+22			11.2	300.7
M			11.0	300.9
1/4			10.9	301.0
+6			11.3	300.6
crb			9.6	302.3
E			9.3	302.6
T.P.	1.78	304.07	9.60	302.29
		1+0		
E.			2.3	301.8
crb.			2.5	301.6
+25			4.0	300.1
1/4			3.8	300.3
M			3.4	300.7
+9			3.8	300.3
+14			5.3	298.8
1/4			5.8	298.3
crb			6.1	298.0
W			7.5	296.6

	304.07			
	1+25			
W		8.3	295.8	
crb		7.3	296.8	
"4		7.5	296.6	
+21		6.2	297.9	
M		4.4	299.7	
"4		3.8	300.3	
+10		4.3	299.8	
crb		3.1	301.0	
E		2.7	301.4	
	1+50			
E.		2.5	301.3	
crb		3.5	300.7	
+20		4.7	299.4	
"4		4.5	299.6	
M		4.4	299.7	
+5		4.6	299.5	
+11		6.3	297.7	
"4		7.3	296.8	
crb		9.1	295.0	
W		12.5	291.6	

	304.07			
	1+75			
W		12.4	291.7	—
crb		10.8	293.3	
"4		9.2	294.9	
M		6.9	297.2	
+5		4.7	299.3	
"7		4.2	299.9	
+18		5.4	298.7	
crb		4.8	299.3	
E.		3.5	300.6	
	2+0			
E		3.7	300.4	
crb		3.8	300.3	
+15		5.8	298.3	
"4		4.5	299.6	
M		4.7	299.4	
+4		5.1	299.0	
+8		6.7	297.4	
"4		6.9	297.2	
crb		8.8	295.3	
W		8.7	295.4	

		304.07		
		2+25		
W			7.1	297.0
crb			7.8	296.3
"4			7.5	296.6
M			5.8	298.3
+6			5.3	298.8
+10			4.5	299.6
"4			4.0	300.1
crb			5.6	298.5
E,			4.1	300.0
		2+50		
E			4.6	299.5
crb			4.6	299.5
+10			5.2	298.9
"4			4.2	299.9
M			4.6	299.5
+2			4.8	299.3
+6			5.8	298.3
"4			7.0	297.1
crb			7.1	297.0
W			5.8	298.3

		304.07		
		2+75		
W			2.9	301.2
crb			4.4	299.7
"4			5.8	298.3
M			5.1	299.0
+5			5.3	298.8
+8			4.4	299.7
"4			3.8	300.3
crb			4.9	299.2
E,			3.5	300.6
		3+0		
E			3.1	301.0
crb			4.9	299.2
"4			3.5	300.6
M			4.4	299.7
"4			4.0	300.1
crb			3.2	300.9
W			2.7	301.4

		304.07			
		3+25			
W			2.6	301.5	
crb			2.9	301.2	
1/4			3.5	300.6	
M			3.7	300.4	
1/4			3.0	301.1	
crb			4.4	299.7	
E			4.0	300.1	
		3+50			
E.			3.4	300.7	
crb			3.5	300.6	
1/4			2.4	301.7	
M			2.9	301.2	
1/4			2.9	301.2	
crb			2.5	301.6	
W			2.5	301.6	

		304.07			
		3+75			
W			3.2	300.9	
crb			3.0	301.1	
1/4			2.6	301.5	
M			1.7	302.4	
1/4			1.7	302.4	
crb			2.8	301.3	
E			2.8	301.3	
		4+0			
E			2.6	301.5	
crb			1.3	302.8	
1/4			1.4	302.7	
M			1.9	302.2	
1/4			2.8	301.3	
crb			3.5	300.6	
W			4.1	300.0	
T.P.	5.38	305.51	3.94	300.13	

		305.51			
		4+25			
W			5.5	300.0	
crk			5.1	300.4	
1/4			4.8	300.7	
M			3.9	301.6	
1/4			2.9	302.6	
crk			2.4	303.1	
E			2.7	302.8	
		4+50			
E			2.0	303.5	
crk			2.2	303.3	
1/4			3.1	302.4	
M			3.7	301.8	
1/4			4.2	301.3	
crk			4.7	300.8	
W			5.0	300.5	

		305.51			
		4+75			
W			6.5	299.0	
crk			5.7	299.8	
1/4			4.6	300.9	
M			4.4	301.1	
1/4			3.3	302.2	
crk			2.8	302.7	
E.			1.7	303.8	
		5+0			
E			2.4	303.1	
crk			2.3	303.2	
+7			2.3	303.2	
+11			4.0	301.5	
1/4			3.4	302.1	
M			4.7	300.8	
1/4			5.1	300.4	
crk			5.9	299.6	
W			6.4	299.1	

	305.51		
	5+25		
W		6.2	299.3
crb		6.8	298.7
1/4		5.9	299.6
M		5.2	300.3
1/4		3.6	301.9
+ 19		4.0	301.5
+ 22		2.4	303.1
crb		2.2	303.3
E		3.2	302.3
	5+50		
E		1.5	304.0
crb		3.2	302.3
1/4		3.9	301.6
M		5.6	299.9
1/4		5.9	299.6
crb		7.2	298.3
W		7.0	298.5

	305.51		
	5+75		
W		8.0	297.5
crb		7.2	298.3
1/4		6.7	298.8
M		5.4	300.1
1/4		4.0	301.5
+20		4.3	301.2
+22		3.6	301.9
crb		3.7	301.8
E		2.8	302.7
	6+0		
E		2.8	302.7
crb		4.2	301.3
1/4		4.3	301.2
M		5.8	299.7
1/4		7.1	298.4
crb		7.4	298.1
W		7.9	297.6

		305.51			
		6+25			
W			7.5	298.0	
crb			7.4	298.1	
1/4			7.4	298.1	
M			6.3	299.2	
1/4			4.6	300.9	
+18			5.3	300.2	
+20			4.3	301.2	
Crb			3.6	301.9	
E			2.9	302.6	
		6+50			
E			3.9	301.6	
crb			3.9	301.6	
+6			3.6	301.9	
+12			5.5	300.0	
1/4			4.6	300.9	
M			5.7	299.8	
1/4			7.3	298.2	
crb			8.4	297.1	
W			7.7	297.8	

		305.51			
		6+75			
W			7.8	297.7	
crb			7.7	297.8	
1/4			7.3	298.2	
+19			7.3	298.2	
M			5.9	299.6	
1/4			5.1	300.4	
crb			4.6	300.9	
E			2.4	303.1	
7+03.5 on E & 7+62.5 on W = N.L. Cypress 80' wide					
E			4.1	301.4	
crb			5.4	300.1	
1/4			5.0	300.51	
M			5.6	299.9	
1/4			7.4	298.1	
crb			7.8	297.7	
W			7.5	298.0	
T.P.	23.6	304.91	2.96	302.55	6 PK S.E. Cor Pond Cypress

304.91 11/6/69 Dunkle Shaw Thomas

N. Curb Cypress

W	7.2	297.7
crb	7.4	297.5
"4	6.4	298.5
M	4.9	300.0
"4	4.8	300.1
crb	3.6	301.3
E	3.1	301.8

N "4

E.	3.0	301.9
crb	3.0	301.9
"4	4.8	300.1
M	4.9	300.0
"4	6.0	298.9
crb	7.4	297.5
W.	7.5	297.4

304.91

center

W.	7.0	297.9
crb	7.4	297.5
"9	5.6	299.3
M	4.9	300.0
"4	5.2	299.7
crb	3.2	301.7
E	3.6	301.3

S "4

E	3.9	301.0
crb	4.0	300.9
"9	5.0	299.9
M	4.8	300.1
"7	5.5	299.4
crb	7.4	297.5
W	7.4	297.5

304.91

5. Curb

W	7.4	297.5
crb	7.4	297.5
1/4	5.8	299.1
M	4.7	300.2
1/4	4.9	300.0
crb	4.6	300.3
E.	2.9	302.0

5. L. Cypress.

E	1.3	303.6
crb	3.8	301.1
1/4	5.1	299.8
M	4.8	300.1
1/4	5.9	299.0
crb	6.8	298.1
W	7.1	297.8

304.91

0+25 S of Cypress

W.	7.4	297.5
crb	6.9	298.0
1/4	6.0	298.9
M	4.8	300.1
1/4	5.2	299.7
+4	4.0	300.9
crb	2.0	302.9
E.	3.0	301.9

0+50

E.	3.1	301.8
crb	3.8	301.1
1/4	4.6	300.3
+1	5.3	299.6
M	4.6	300.3
1/4	6.2	298.7
crb	6.9	298.0
W	6.6	298.3

	304.91		
	0+75		
W		7.8	297.1
crb		6.9	298.0
1/4		6.2	298.7
M		4.7	300.2
1/4		5.1	299.8
+2		4.1	300.8
crb		3.3	301.6
E		3.0	301.9
	1+0		
E		3.3	301.6
crb		4.0	300.9
1/4		4.2	300.7
+2		5.2	299.7
M		4.6	300.3
1/4		6.4	298.5
crb		6.8	298.1
W		7.7	297.2

	304.91		
	1+25		
W		7.1	297.8
crb		7.0	297.9
1/4		6.6	298.3
M		4.8	300.1
+25		5.2	299.7
1/4		4.4	300.5
crb		4.6	300.3
E		3.5	301.4
	1+50		
E		4.2	300.7
crb		4.9	300.0
+25		4.2	300.7
1/4		5.4	299.5
M		4.9	300.0
1/4		7.0	297.9
crb		7.6	297.3
W		8.1	296.8

	304.91			
	1+75			
W		8.6	296.3	
crb		8.0	296.9	
1/4		7.0	297.9	
M		5.2	299.7	
1/4		6.0	298.9	
crb		4.6	300.3	
E		4.1	300.8	
	2+0			
E		3.4	301.5	
crb		4.5	300.4	
1/4		4.2	300.7	
+2		5.6	299.3	
M		5.1	299.8	
1/4		7.5	297.4	
crb		7.9	297.0	
W		8.1	296.8	

	304.91			
	2+25			
W		8.2	296.7	
crb		7.9	297.0	
1/4		7.0	297.9	
M		5.3	299.6	
+25		5.7	299.2	
1/4		4.5	300.4	
crb		4.2	300.7	
E		3.1	301.8	
	2+50			
E		3.0	301.9	
crb		4.0	300.9	
1/4		4.4	300.5	
+2		5.8	299.1	
M		5.4	299.5	
1/4		6.9	298.0	
crb		8.3	296.6	
W		8.7	296.2	

304.91

2+75

W	8.7	296.2
crb	8.5	296.4
1/4	6.6	298.3
M	5.6	299.3
+25	5.8	299.1
1/4	4.7	300.2
crb	3.8	301.1
E	3.5	301.4

2+99.4 = N.L. Laurel 80' Brookes

E	3.7	301.2
crb	4.0	300.9
1/4	4.8	300.1
+2	6.4	298.5
M	5.7	299.2
1/4	7.1	297.8
crb	7.5	297.4
W	8.5	296.4

304.91

E. Curb Laurel

W	9.1	295.8
crb	8.2	296.7
1/4	7.1	297.8
M	4.8	300.1
+25	6.4	298.5
1/4	5.2	299.7
crb	4.6	300.3
E.	3.7	301.2

E 1/4

E	3.9	301.0
crb	5.1	299.8
1/4	5.5	299.4
+2	6.6	298.3
M	6.0	298.9
1/4	7.0	297.9
crb	7.9	297.0
W	8.6	296.3

304.91

Center Laurel

W	7.9	297.0
crb	7.8	297.1
1/4	7.8	297.1
M	6.2	298.7
+25	6.7	298.2
1/4	5.7	299.2
crb	5.4	299.5
E.	4.2	300.7

S 1/4

E	4.5	300.4
crb	5.8	299.1
1/4	5.9	299.0
+2	6.9	298.0
M	6.4	298.5
1/4	7.7	297.2
crb	8.3	296.6
W	8.4	296.5

304.91

S curb

W	8.7	296.2
crb	8.2	296.7
1/4	8.0	296.9
M	6.5	298.4
+25	7.1	297.8
1/4	6.4	298.5
crb	6.1	298.8
E.	4.2	300.7

S.L. Laurel Brookes

E.	3.6	301.3
crb	6.1	298.8
1/4	6.5	298.4
+2	7.2	297.7
M	6.5	298.4
1/4	8.1	296.8
crb	8.5	296.4
W.	9.2	295.7

30.4.91

0 + 25 5 of Level

W	8.9	296.0
Crb	9.0	295.9
"4	8.1	296.8
M	6.7	298.2
+25	7.3	297.6
"4	6.7	298.2
Crb	5.9	299.0
E,	4.8	300.1

0 + 50

E	4.8	300.1
Crb	6.7	298.2
"4	7.0	297.9
M	6.8	298.1
"4	8.3	296.6
Crb	9.4	295.5
W	9.2	295.7

30.4.91

0 + 75

W	9.8	295.1
Crb	9.4	295.5
"4	8.5	296.4
M	7.1	297.8
+73	7.5	297.4
+75	6.8	298.1
"4	6.8	298.1
Crb	6.2	298.7
E	5.6	299.3

1 + 0

E	6.1	298.8
Crb	6.5	298.4
"4	7.1	297.8
+4	7.0	297.9
+6	7.9	297.0
M	7.1	297.8
"4	8.9	296.0
Crb	9.2	295.7
W	8.5	296.4

		304.91		
		1+25		
W			9.4	295.5
crb			9.5	295.4
1/4			8.8	296.1
M			6.9	298.0
1/4			7.7	297.2
crb			6.8	298.1
E.			6.2	298.7
T. P.	2.72	302.33	5.30	299.61
		1+50		
E			3.6	298.7
crb			4.0	298.3
1/4			5.1	297.2
M			4.5	297.8
1/4			6.5	295.8
crb			6.8	295.5
W			6.7	295.6

		302.33		
		1+75		
W			6.9	295.4
crb			7.2	295.1
1/4			6.9	295.4
+4			6.9	295.4
+8			5.6	296.7
M			4.5	297.8
+16			4.7	297.6
+21			5.7	296.6
1/4			6.0	296.3
crb			5.0	297.3
E			4.6	297.7
		2+0		
E.			4.2	298.1
crb			5.0	297.3
1/4			5.3	297.00
+5			5.9	296.4
+9			5.0	297.3
M			4.6	297.7
+18			5.5	296.8
+23			6.9	295.4
1/4			6.5	295.8
crb			7.0	295.3
W			7.8	294.5

	302.33			
	2+25			
W		7.0	295.3	
crb,		6.5	295.8	
"4		6.5	295.8	
+4		6.4	295.9	
+9		5.5	296.8	
M		4.6	297.7	
"4		6.0	296.3	
crb		4.9	297.4	
E		4.8	297.5	
	2+50			
E		4.5	297.8	
crb		5.2	297.1	
"4		6.1	296.2	
+4		6.1	296.2	
+8		5.5	296.8	
M		4.3	298.0	
"4		6.1	296.2	
crb		6.2	296.1	
W		6.5	295.8	

	302.33			
	2+75			
W		6.4	295.9	
crb		6.2	296.1	
"4		6.2	296.1	
M		4.3	298.0	
"4		5.9	296.4	
crb		5.4	296.9	
E		4.1	298.2	
	2+99.6 = N.L. Myrtle			80' wide
E		4.1	298.2	
crb		5.0	297.3	
"4		5.5	296.8	
M		4.3	298.0	
"4		6.1	296.2	
crb		6.4	295.9	
W		6.6	295.7	

302.33

N. curb Myrtle

W	6.8	295.5
crb.	6.5	295.8
1/4	5.9	296.4
M	4.3	298.0
1/4	5.5	296.8
crb	5.1	297.2
E	4.2	298.1

N 1/4

E	4.3	298.0
crb	5.1	297.2
1/4	5.3	297.0
M	4.4	297.9
1/4	6.0	296.3
Crb	6.5	295.8
W	6.7	295.6

302.33

Center

W	6.7	295.6
crb	6.7	295.6
1/4	6.5	295.8
M	5.7	296.6
1/4	4.4	297.9
crb	5.4	296.9
E.	4.3	298.0

S 1/4

E	4.6	297.7
crb	5.1	297.2
1/4	5.2	297.1
M	4.4	297.9
1/4	5.7	296.6
crb	6.8	295.5
W	6.7	295.6

		302.33		
	5. curb			
W			6.7	295.6
crb			6.9	295.4
1/4			5.9	296.4
M			4.5	297.8
1/4			5.3	297.0
Crb			4.9	297.4
E			4.8	297.5
	5. L. Myrtle			
E			4.7	297.6
crb			5.0	297.3
1/4			5.5	296.8
M			4.5	297.8
1/4			6.0	296.3
crb			7.0	295.3
W			6.7	295.6
T.P.	1.83	300.07	4.09	298.24

		300.07		
	0+25 S of Myrtle,			
W			5.3	294.8
Crb			4.9	294.2
1/4			4.1	296.0
M			2.2	297.9
1/4			3.2	296.9
crb			2.6	297.5
E.			2.5	297.6
		0+50		
E			2.5	297.6
crb			2.7	297.4
1/4			2.8	297.3
M			2.3	297.8
1/4			4.1	296.0
crb			5.0	295.1
W			5.4	294.7

		300.07		
		0+75		
W			5.6	294.5
crb			5.1	295.0
"/4			4.4	295.7
M			2.4	297.7
"/4			3.3	296.8
crb			2.8	296.5
E			2.3	297.8
		1+0		
E			2.7	297.4
crb			3.1	297.0
"/4			3.3	296.8
M			2.6	297.5
"/4			4.1	296.0
crb			4.9	295.2
W			5.2	294.9

		300.07		
		1+25		
W			4.8	295.3
crb			4.8	295.3
"/4			4.5	295.6
M			2.8	297.3
"/4			3.3	296.8
crb			3.3	296.8
E			3.1	297.0
		1+50		
E			3.3	296.8
crb			3.0	297.1
"/4			3.2	296.9
M			2.8	297.3
"/4			4.3	295.8
crb			4.8	295.3
W			5.1	295.0

	300.07		
	1+75		
W		5.0	295.1
crb		4.6	295.5
1/4		4.2	295.9
M		2.9	297.2
1/4		3.1	297.0
crb		3.1	297.0
E.		3.5	296.6
	2+0		
E		3.5	296.6
crb		2.7	297.4
1/4		3.2	296.9
M		2.9	297.2
1/4		4.1	296.0
crb		4.3	295.8
W		4.8	295.3

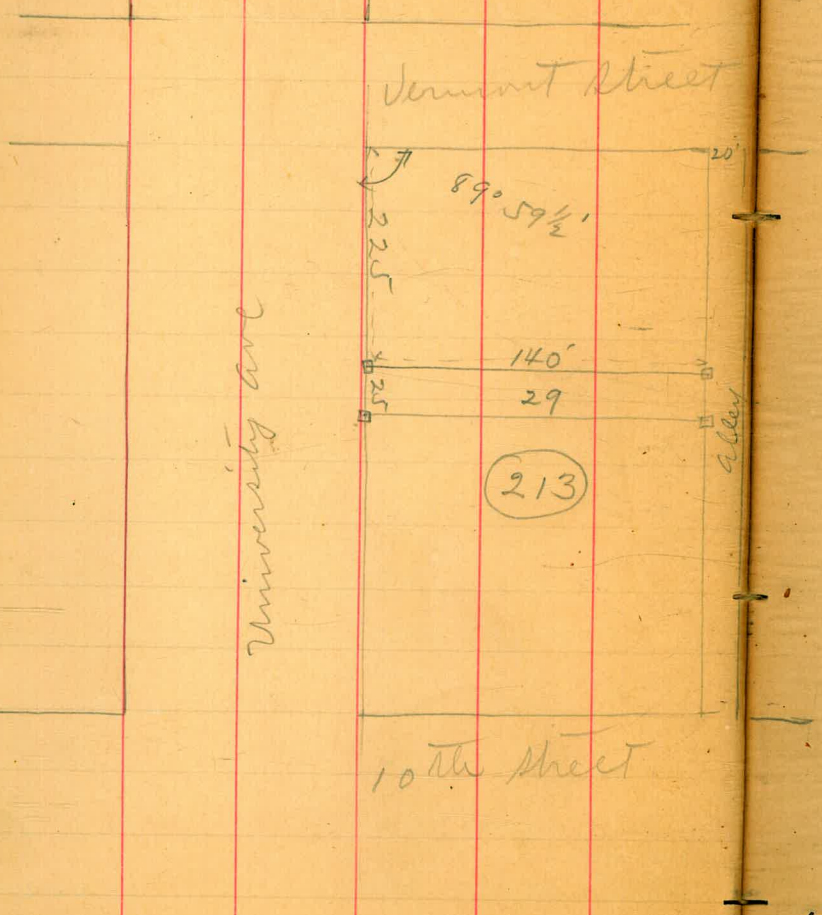
	300.07		
	2+25		
W		3.4	296.7
crb		3.6	296.5
1/4		4.1	296.0
M		2.8	297.3
1/4		3.4	296.7
crb		2.8	297.3
E		3.5	296.5
	2+50		
E		3.7	296.4
crb		3.3	296.8
1/4		3.1	297.0
M		2.9	297.2
1/4		3.7	296.4
crb		4.3	295.8
W		4.3	295.8

	300.07			
	2+75			
W		4.1	296.0	
crb		3.2	296.9	
1/4		4.0	296.1	
M		3.0	297.1	
1/4		3.3	296.8	
crb		3.8	296.3	
E		4.2	295.9	
	2+99 = N. L. U Pass			
E		4.8	295.3	
crb		4.1	296.0	
1/4		3.3	296.8	
M		3.2	296.9	
1/4		4.0	296.1	
crb		4.0	296.1	
W		4.3	295.8	
		4.34	295.73	Hub N.W. Cor U Pass & Park Boulevard

Survey of lot 29. Blk. 213
University Hts. add.

Jan 12/09 { Childs
Barber
Rogers

for. University ave. Baking Co.



Posted

X section of 2nd or Bachman Place
from Lewis St North
N.L. of Lewis

T.P.	2.47	295.59		293.12	—
W			3.00	292.6	
C			3.00	292.6	
1/4			3.40	292.2	
℄			3.50	292.1	—
1/4			3.20	292.4	
C			3.10	292.5	
E			2.80	292.8	
25' N					
E			3.00	292.60	—
C			3.10	292.50	
1/4			3.50	292.1	
℄			3.60	292.0	—
1/4			3.80	291.8	
C.			3.30	292.3	
W			3.00	292.6	—
50' N					
W			3.40	292.2	
C			3.30	292.3	
1/4			3.80	291.6	
℄			3.60	292.0	
1/4			3.60	292.0	
C			3.20	292.4	
E			3.00	292.6	
75' N					
E			3.70	291.9	
C			4.00	291.6	
1/4			4.10	291.5	
℄			4.10	291.5	
1/4			4.00	291.6	
C			3.70	291.9	
W			3.50	292.1	

POSTED
POSTED

100' N of Lewis

W	295.57	4.00	291.6
C		4.20	291.4
1/4		4.20	291.4
℄		4.30	291.3
1/4		4.30	291.3
C		4.00	291.6
E		4.00	291.6

125' N

E		4.30	291.3
C		4.40	291.2
1/4		4.70	290.9
℄		4.70	290.9
1/4		4.50	291.1
C		4.30	291.3
W		4.20	291.4

150' N

W		4.10	291.5
C		4.30	291.6
1/4		4.80	290.8
℄		5.00	290.6
1/4		4.60	291.0
C		4.70	290.9
E		4.70	290.9

175' N

E		4.90	290.7
C		4.90	290.7
1/4		4.60	290.0
℄		5.00	290.6
1/4		5.20	290.4
C		5.10	290.5
W		5.20	290.4

	200' N of Lewis		
W	296.57	5.30	290.3
C		5.50	290.1
1/4		5.60	290.0
℄		5.40	290.2
1/4		5.50	290.1
C		4.60	291.0
E		4.90	290.7
	225' N		
E		4.90	290.7
C		5.60	290.0
1/4		5.50	290.1
℄		5.30	290.3
1/4		5.70	289.9
C		5.80	289.8
W		5.10	290.5

	250' N		
W		5.30	290.3
C		6.00	289.6
1/4		6.10	289.5
℄		6.00	289.6
1/4		5.40	290.2
C		5.20	290.4
E		5.60	290.0
	275' N		
E		6.10	289.5
C		5.60	290.0
1/4		6.00	289.6
℄		6.40	289.2
1/4		6.10	289.5
C		6.20	289.4
W		5.70	289.9

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

W	295.5)	5.90	289.7
C		6.50	289.1
1/4		6.80	288.8
℄		6.50	289.1
1/4		6.30	289.3
C		6.70	288.9
E		6.50	289.1
	S. Curb		
E		7.20	287.5
C		6.90	288.7
1/4		6.30	289.3
℄		6.60	289.0
1/4		7.10	288.5
C		6.90	288.7
W		6.60	289.0

S 1/4			
W		6.70	288.9
C		7.10	288.5
1/4		7.30	288.3
℄		7.10	288.5
1/4		6.40	289.2
C		7.00	288.6
E		7.30	288.3
℄			
E		7.40	288.2
C		7.00	288.6
1/4		6.70	288.9
℄		7.30	288.3
1/4		7.30	288.3
C		6.80	288.6
W		6.20	289.4

N ¼ of Broadway

W	296.57	6.30	289.3
C		6.70	288.9
¼		7.30	288.3
℄		7.40	288.2
¼		7.00	288.6
C		7.60	288.0
E		7.60	288.0

N Curb

E		7.80	287.8
C		7.80	287.8
¼		7.70	287.9
℄		7.90	287.7
¼		6.80	288.8
C		6.60	289.0
W		6.30	289.3

N. Line of Bdy.

W		6.60	289.6
C		6.60	289.0
¼		7.30	288.3
℄		7.80	287.8
¼	POSTED	7.80	287.8
C		7.80	287.8
E		7.90	287.7

25' N

E		8.80	286.8
C		8.80	286.8
¼		8.50	287.1
℄		7.90	287.7
¼		7.50	288.1
C		7.60	288.0
W		6.90	288.7

50' N of Bdy

W	295.57	7.70	287.9
C		8.20	287.4
1/4		8.50	287.1
℄		8.90	286.7
1/4		8.80	286.8
C		8.80	286.8
E		9.00	286.6

75' N

E		9.60	286.0
C		9.40	286.2
1/4		9.40	286.2
℄		9.40	286.2
1/4		8.90	286.7
C		8.40	287.2
W		8.00	287.6

100' N = Top of Canjon

W		9.90	285.7
C		10.30	285.3
1/4		11.30	284.3
℄		11.20	284.4
1/4		11.50	284.1
C		11.50	284.1
E		11.30	284.3

Contd on page 57

3/1/09 { Whittelsey, Taylor, Churchman

Contour Levels Redwood St
Dore-to-Horton

B.M. Spruce & Curlew	0.25	204.27		204.02	
TP	0.36	191.47	13.16	191.11	
T.P.	0.90	179.25	13.12	178.35	
TP	0.28	166.32	13.21	166.04	
TP	0.40	153.70	13.02	153.30	—
T.P.	0.27	141.00	12.97	140.73	
T.P.	0.89	128.68	13.21	127.79	Last B.M. 3/1/09

W. L. of Dore = 0+0

S		128.68	14.80	113.9
℄			7.20	121.5
N		141.00	11.90	130.1
	0 + 25			
N			8.00	133.0
℄		128.68	5.10	123.6
S.			15.20	113.5
	0+50			
S			9.40	119.3
℄		141.00	4.40	136.6
N		153.70	9.40	144.3

POSTED

Profile Platted 8/5/09/Whittelsey

	0 + 75		
N	153.7	8.40	145.3
℄	141.00	2.80	138.2
S		18.50	122.5
	1 + 00		
S		16.20	124.8
℄		3.00	138.0
N	153.7	9.00	144.7
	1 + 25		
N		10.70	143.0
℄	141.00	3.70	137.3
S		14.20	126.8
	1 + 50		
S		13.80	127.2
℄		4.90	136.1
N	153.70	13.10	140.6

POSTED

3/3/09 {Whittlesey Churchman Taylor

		1+75 (W. of Dore)		
N		141.00	2.80	138.2
℄			6.50	134.5
S			13.30	127.7
	2+00 = E. L. of Eagle			
S			14.50	126.5
℄			8.80	132.2
N			8.10	132.9
	℄ of Eagle			(127.79) TP
N	1.63	129.42	8.30	121.1
℄			5.20	124.2
S			8.20	121.2
T.P.	1.31	117.90	12.83	116.59
		W. L. of Eagle = 0+0		
S		117.90	5.90	112.0
℄			6.30	111.6
N			15.60	102.3
T.P.	2.09	106.86	13.13	104.77

		0+25		
N		95.28	7.80	87.5
℄		106.86	12.60	94.3
S			2.80	104.1
		0+50		
S			12.80	94.1
T.P.	1.61	95.28	13.19	93.67
℄			8.90	86.4
N			9.60	85.7
		0+75		
N			9.70	85.6
℄			12.50	82.8
S			11.60	83.7
		1+00		
S			13.20	82.1
℄			11.60	83.7
N			9.00	86.3

		1+25		
N		95.28	8.00	87.3
℄			8.90	86.4
S			12.70	82.6
		1+50		
S			13.90	81.4
℄			9.20	86.1
N			5.70	89.6
		1+75		
N			5.20	90.1
℄			6.00	89.3
S			9.10	86.2
		2+00 = E.L. of Falcon		
S			6.40	88.9
℄			5.30	90.0
N			3.80	91.5
T.P.	12.90	107.75	0.43	94.85

		℄ of Falcon		
N		107.75	2.50	105.3
℄			6.20	99.6
S			12.70	95.1
TP	13.10	120.40	0.45	107.30
		W.L. of Falcon		
S			14.00	106.4
℄			9.70	110.7
N			2.30	118.1
		0+25		
N		133.49	9.10	124.4
℄		120.40	1.40	119.0
S			2.90	117.5
TP	13.09	133.49	0.00	120.40
		0+50		
S			6.50	127.0
℄			6.40	127.1
N			2.00	131.5
T.P.	13.06	146.39	0.16	133.33

		0+75 W of Falcon		
N		146.39	9.30	137.1
℄			10.70	135.7
S			13.90	132.5
		1+00		
S			3.70	142.7
℄			3.90	142.5
N			2.90	143.5
T.P.	12.92	159.31	0.00	146.39
		1+25		
N			9.80	149.5
℄			9.30	150.0
S			8.70	150.6
		1+50		
S			0.80	158.5
℄			2.90	156.4
N			3.70	155.6
T.P.	12.93	172.03	0.21	159.10

		1+75		
N		172.03	10.40	161.6
℄			9.70	162.3
S			5.20	166.8
		2+00 = E.L. of Goldfinch		
S		164.37	8.80	175.6
℄			11.60	172.8
N		172.03	5.40	166.6
T.P.	13.04	164.37	0.70	171.33
		℄ of Goldfinch		
N			8.90	175.5
℄			2.60	181.8
S		196.51	8.50	188.0
		W L. of Goldfinch		
S		209.27	8.30	201.0
℄		196.51	4.60	191.9
N		164.37	1.00	183.4
TP	12.14	196.51	0.00	164.37

0+25 W of Goldfinch

N		196.51	8.10	188.4
℄		209.27	9.90	199.4
S			2.30	207.0

0+46.5

S		220.34	9.50	210.8
℄		209.27	4.30	205.0
N			15.10	194.2
T.P.	12.85	209.27	0.09	196.42

(0+46.5 on S to 1+05. " N)

E. L. of Horton

N			3.70	205.6
℄			1.30	208.0
TP	12.88	220.31	1.84	207.43
S			9.50	210.8
TP	1.42	214.32	7.48	212.83
B.M. Quincee + Union			8.08	206.24 206.18

POSTED

Profile platted 3/5/09
Whittelsey

3/12/09 Whittelsey, Evans, Taylor

	5.34	290.36		
	6.92	296.90	2.38	285.02
				287.98

X sec. of Bachman Place (or 2nd)

	0.21	290.57	6.54	290.36

contind from page 52

1+25 North of Broadway

E		290.57	9.7	280.9
C			10.3	
1/4			9.9	
℄			11.3	279.3
1/4			11.7	
C			13.1	
W			12.5	278.1
T.P.	1.27	279.09	12.75	277.82
		1+50		
W			12.7	266.4
C			12.9	
1/4			12.3	
℄			9.2	269.9
1/4			6.1	
C			7.0	
E			4.4	274.7

POSTED

		279.09		
	1.06	267.86	12.79	266.30
		1+75		
E			3.1	264.8
C			3.8	
1/4			5.9	
℄			7.7	259.7
1/4			9.8	
C			10.8	
			13.8	
W			13.8	253.6
		2+00		
W			11.8	255.6
C			16.2	
1/4			19.7	
℄			15.5	251.9
1/4			17.0	
C			15.2	
E			14.0	253.4
T.P.	0.80	255.15	13.01	254.35

POSTED

		2+25			
E		255.15	9.9	245.3	
C			12.8		
1/4			14.1		
+6			16.5		
℄			12.0	243.2	
1/4			7.9		
C			5.4	249.8	
W		267.36	12.30	255.1	x
		2+50			
W			8.10	259.3	x
C			14.7	252.7	
1/4		255.15	5.0	262.4	
℄			6.7	248.5	
1/4			10.3		
C			14.5		
E			19.5	235.7	
T.P.	8.72	252.64	11.23	243.92	

		2+75			
E		255.15	15.2	240.0	
C			10.4		
1/4			7.0		
℄		267.36	13.7	253.7	
1/4			8.1		
C			3.9		
W			0.4	267.0	
		3+00 = B.L. Stockton			
W		277.60	2.00	275.6	
C			7.50	270.1	
1/4		267.36	2.7	264.7	
℄			7.7	259.7	
1/4			12.7	254.7	
C			6.1	261.3	
E			14.0	253.4	

		S. Curb of Stockton		
E		252.64	11.6	241.0
C			4.4	
1/4		265.3	10.8	
℄			5.8	259.5
1/4			0.0	
C		277.6	6.1	
W			0.5	277.1
		S 1/4 of Stockton		
W			0.6	277.0
C			6.6	
1/4			11.7	
℄		265.30	5.3	260.0
1/4			11.4	
C		252.64	5.5	
E			11.4	241.2
TP.	13.19	265.30	0.53	252.11
	12.52	277.60	0.52	264.78

		℄		
E		252.64	11.3	241.3
C			4.6	
1/4		265.30	11.6	
℄			5.6	259.7
1/4		277.6	11.6	
C			7.0	
W			0.7	276.9
		N 1/4		
W			1.3	276.3
C			7.5	
1/4		265.3	0.1	
℄			5.8	259.5
1/4			12.1	
C		252.64	3.0	
E			10.9	241.7

N. Curb of Stockton

E	252.64	10.6	242.0
C		3.4	
1/4	265.30	11.8	
℄		6.7	258.6
1/4		1.2	
C	277.6	7.7	
W		1.2	276.4

N. L. of Stockton = 0+0

W		1.2	276.4
C		7.6	270.0
1/4	265.30	1.4	266.2
℄		6.1	259.2
1/4		11.2	254.1
C	252.64	3.4	249.2
E		9.8	242.8

0+25

E	252.64	10.0	242.6
C		2.4	
1/4	265.30	10.3	
℄		5.1	260.2
1/4		0.0	
C	277.6	5.7	
W		+0.6	278.2

0+50

W		0.3	277.3
C		7.4	
1/4	265.30	0.0	
℄		6.3	259.0
1/4		11.0	
C	252.64	4.5	
E		10.9	241.7

		0+75		
E		252.64	18.7	238.9
C			7.0	
1/4			1.3	
℄		265.30	9.3	256.0
1/4			2.4	
C		277.6	8.9	
W			3.4	274.2
		1+00		
W			7.2	270.4
C			12.6	
1/4		265.30	6.4	
℄			11.2	254.1
1/4		252.64	3.6	
C			9.7	
E			15.90	236.7

		1+25		
E		240.74	10.6	230.1
C			2.7	
1/4		253.69	13.3	
℄			6.7	247.0
1/4		265.23	11.1	
C			7.2	
W		277.60	12.9	266.7
TP	0.29	265.23	12.66	264.94
		1+50		
W		265.23	1.40	263.8
C			9.6	
1/4			14.3	
TP	1.46	253.69	13.00	252.23
℄			9.6	244.1
1/4			14.9	
TP	0.06	240.74	13.01	240.68
C			8.0	
E			16.9	223.8

	1+75		
E	228.32	7.5	220.8
C	240.74	10.2	
1/4		4.00	
℄	253.69	12.00	241.7
1/4		6.8	
C	265.23	12.6	
W TP		6.6	258.6
	2+00		
W		11.5	253.7
C		15.1	
1/4	253.69	8.7	
℄		15.1	238.6
1/4	240.74	9.4	
C		16.50	
E	228.32	11.70	216.6

	2+25		
E	216.44	4.9	211.5
C	228.32	11.60	
1/4	240.74	14.0	
℄		7.0	233.7
1/4	253.69	13.6	
C		9.2	
W		5.00	248.7
	2+50		
W		10.00	243.7
C		14.20	
1/4	240.74	10.10	
℄	228.32	2.6	225.7
1/4		8.5	
C		14.8	
E	216.44	9.1	207.3

		2+75			
E		216.44	12.7	203.7	
C			8.3		
1/4			2.3		
℄		228.32	12.10	216.2	
1/4			8.2		
C		240.74	12.7		
T.P.	0.42	228.32	12.84	227.90	Lost T.P. 3/12/09
W		240.74	9.7	231.0	
		3+00			
W		228.32	9.7	218.6	
C			12.2		
T.P.	0.94	216.44	12.82	215.50	
1/4			0.0		
℄			5.0	211.4	
1/4			10.3		
C			16.5		
E			10.7	205.7	

	3+25			
E	216.44	9.4	207.0	
C		13.0		
1/4		17.6		
℄		14.0	202.4	
1/4		13.2		
C		10.4		
W		7.7	208.7	
	3+35			
W		12.6	203.8	
C		14.7		
1/4		15.6		
℄		17.6	198.8	
1/4		19.1		
C		14.2		
E		9.3	207.1	

	3+50		
E	216.44	13.4	203.0
C		20.2	
1/4		17.5	
℄		13.3	203.1
1/4		10.3	
C		7.7	
W		5.8	210.6
	3+75		
W	228.67	7.3	221.4
C		10.7	
1/4	216.44	1.7	
℄		7.3	209.1
1/4		13.2	
C		19.0	
+10		22.6	
E		20.4	196.0

POSTED

	4+00		
E	216.44	21.6	194.8
C		15.1	
1/4		9.7	
℄		3.8	212.6
1/4	228.67	8.2	
C		2.8	
W	240.98	8.0	233.0
	4+25		
W		1.10	239.9
C		7.4	
1/4	228.67	2.9	
℄	216.44	1.6	214.8
1/4		7.6	
C		12.1	
E		19.8	196.6

POSTED

			4+50	
E		216.44	18.0	198.4
C			10.1	
1/4			6.2	
℄		228.67	9.1	219.6
1/4			3.0	
C		240.98	7.8	
W			0.7	240.3
			4+75	
W			+ 1.7	242.7
C			6.6	
1/4		228.67	1.60	
℄			7.90	220.8
1/4		216.44	4.00	
C			10.2	
E			18.0	198.4
TP	13.17	228.67	0.94	215.50
	12.01	240.98	0.70	227.97

			5+00	
E		216.44	18.6	197.8
C			10.5	
1/4			5.3	
℄		228.67	8.1	220.6
1/4			2.3	
C		240.98	7.5	
W			+ 0.3	241.3
			5+25	
W			1.6	239.4
C			9.3	
1/4		228.67	5.20	
℄			10.6	218.1
1/4		215.04	3.6	
C			9.4	
E		202.71	4.6	198.1

240.98

5+50

E		202.71	7.8	194.9
C		215.04	13.1	
1/4			6.0	
℄		227.91	12.6	215.3
1/4			5.2	
C		240.98	12.3	
~~T.P.~~				
W			4.60	236.4

5+75

W			11.6	229.4
T.P.	0.16	227.91	13.23	229.75
C			5.7	
1/4			12.0	
℄		215.04	5.8	209.2
1/4			9.4	
C		202.71	4.8	
E			10.1	192.6

6+00

E		202.71	14.2	188.5
C			10.3	
1/4			4.8	
℄		215.04	10.0	205.0
1/4			5.2	
C		227.91	13.00	
W			4.8	223.1

POSTED

6+13 ± = P.L.

W			7.4	220.5 x
T.P.	0.38	215.04	13.25	214.66
C			1.7	
1/4			7.0	
℄			13.8	201.2
T.P.	0.21	202.71	12.54	202.50
1/4			6.6	
C			12.1	
E			16.2	186.5
TP	12.92	214.97	0.66	202.05
	12.26	227.19	0.04	214.93
	12.50	238.41	1.28	225.91

	238.21		
12.77	251.07	0.11	238.30
11.41	261.99	0.49	250.58
12.67	274.24	0.42	261.57
12.94	286.39	0.79	273.45
8.17	294.32	0.24	286.15
5.83	295.50	4.65	289.67
		2.41	293.09

POSTED

B. M. Hub S. W. Spruce + Curlew

N.W. Spruce + Dove

N6 - 1+05.2 } Horton & Redwood
S2 - 0+46.7 }

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.