1014

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.

	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

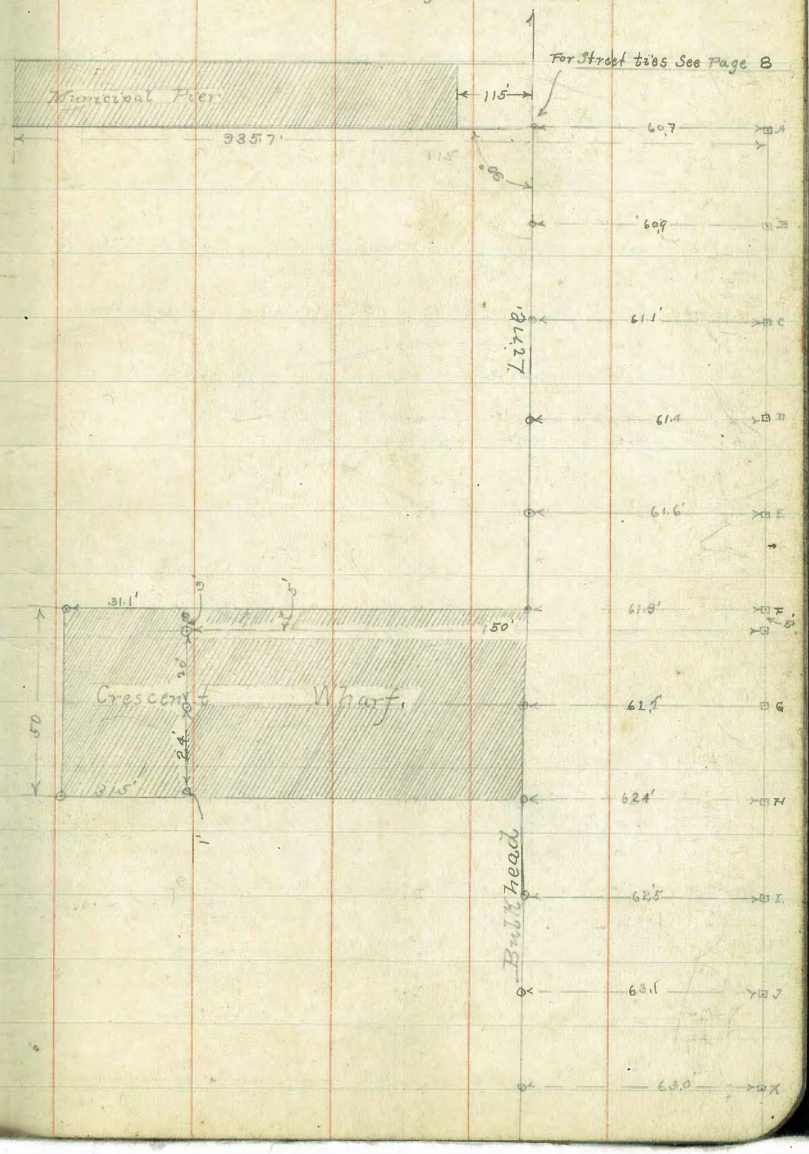
Calculated by Julien A. Hall, M. Am. Soc. C. E.

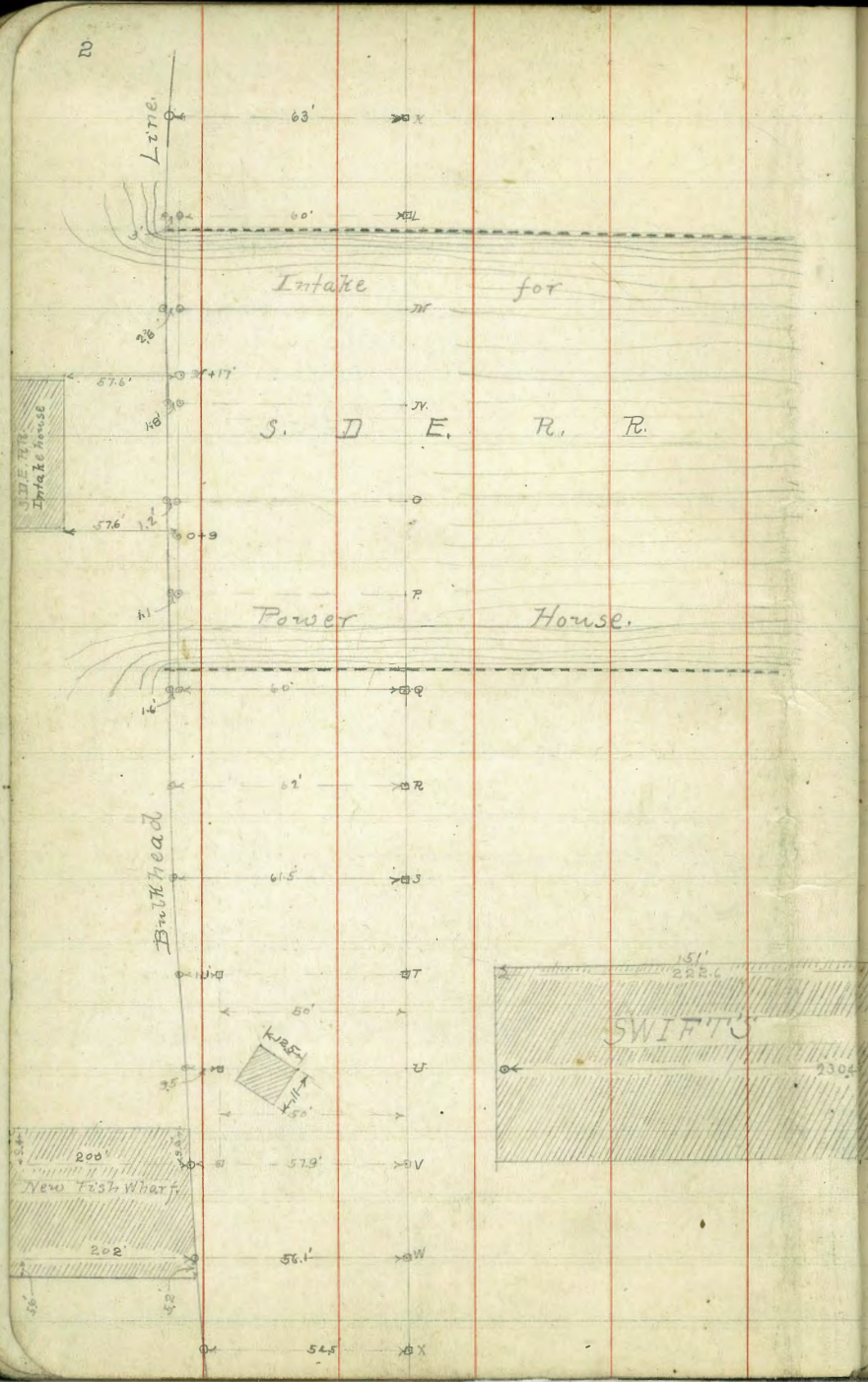
Base Line for Xsection of San Diego Bay from the Municipal Pier South to Bunkers Wharf & from Bulkhead West to 35' of Water.

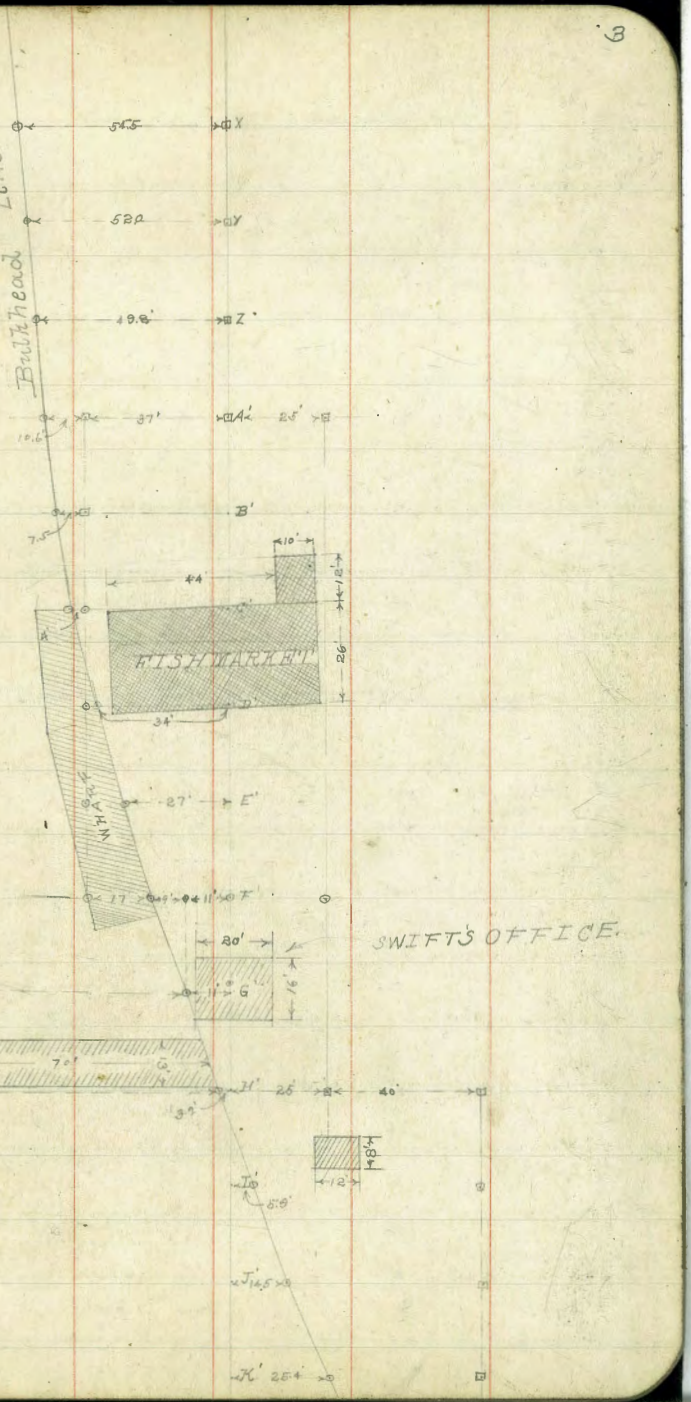
May 1917 {Norman. Otten Shaw

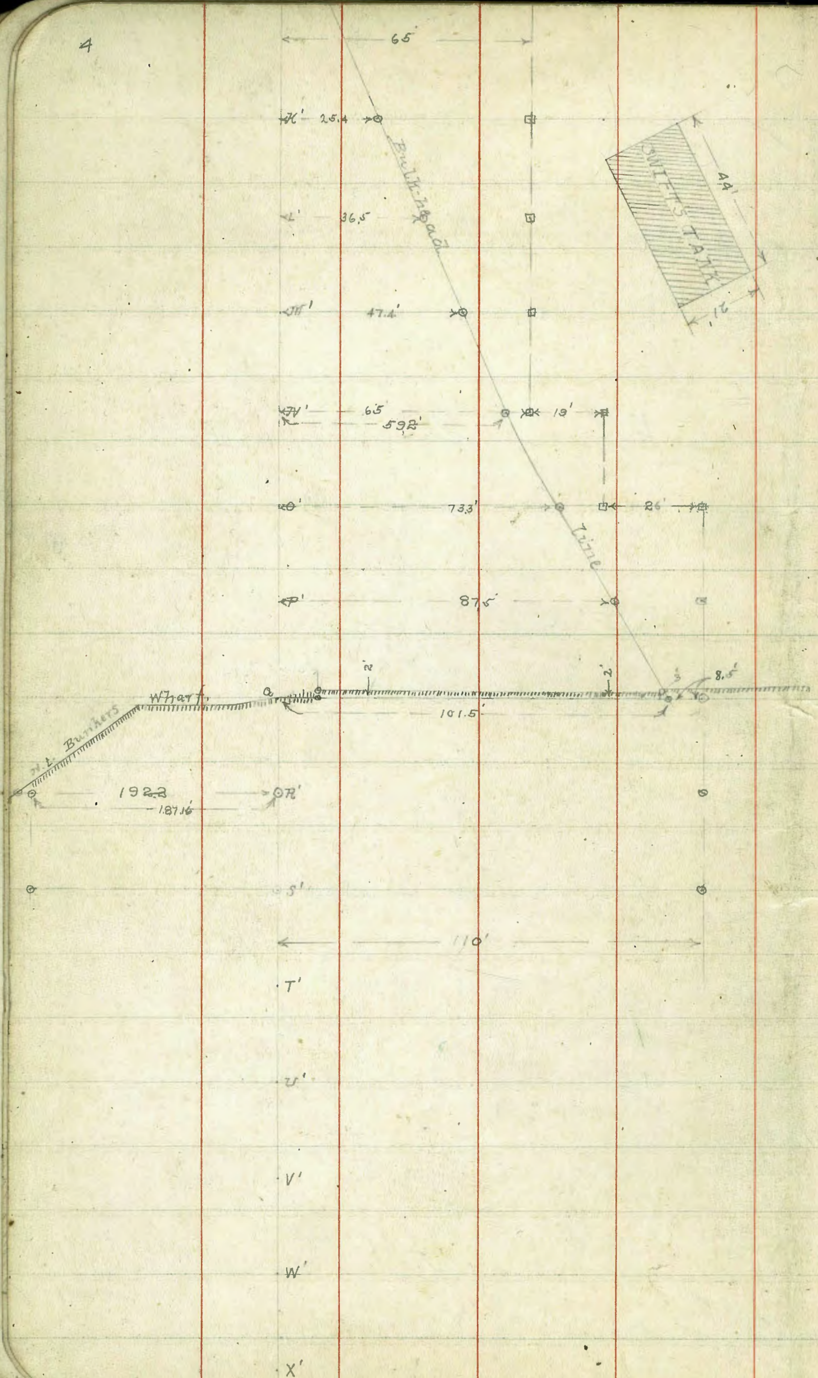
Note: ⊙ Shows nail.
⊡ " Monumally & sidewalk stake.

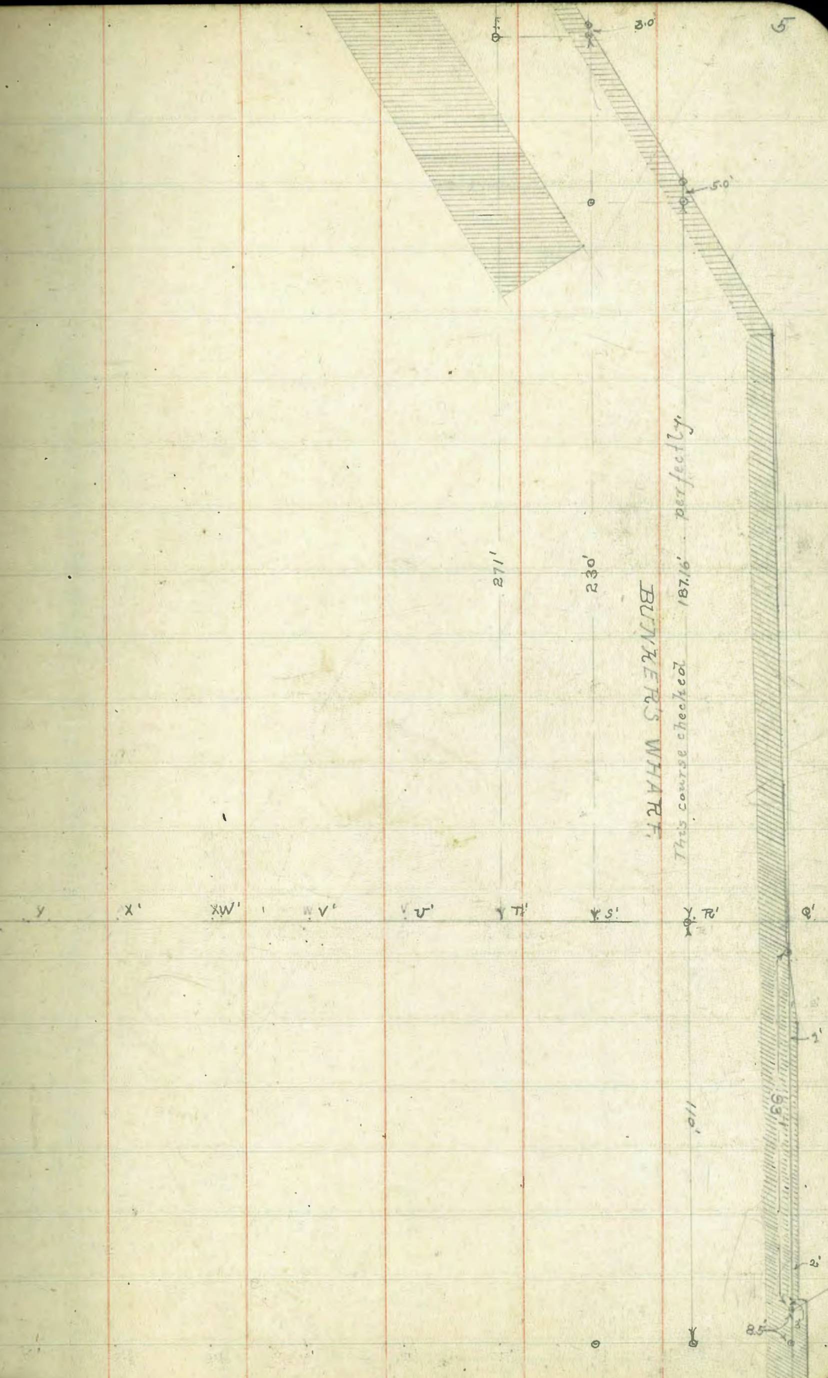
For Street ties See Page 8




Line.
63'
60'
Intake for
S. D E. R. R.
Intake House
57.6'
Power House.
60'
62'
61.5'
Bulkhead
50'
12.5'
50'
57.9'
200'
New Fish Wharf
202'
56.1'
54.5'
SWIFT'S WHARF
151'
222.6
230.4'


Line.
Bulkhead
54.5
52.8
39.8
37'
25'
10.6
B'
7.5
10'
4.4
12'
FISH MARKET
26'
34'
27'
E'
17'
11'
F'
21
80'
SWIFT'S OFFICE.
G
70'
31'
26'
40'
8'
12'
5.6'
J'
14.5'
K'
25.4'


65
K' 25.4
L' 36.5
M' 47.4'
N' 65 59.8'
19'
O' 73.3'
26'
P' 87.5'
Bulkhead Line
SWIFTS TANK
44'
21'
2'
2'
8.5'
H. L. Bunkers Wharf
101.5
192.3
187.16
R'
S'
110'
T'
U'
V'
W'
X'

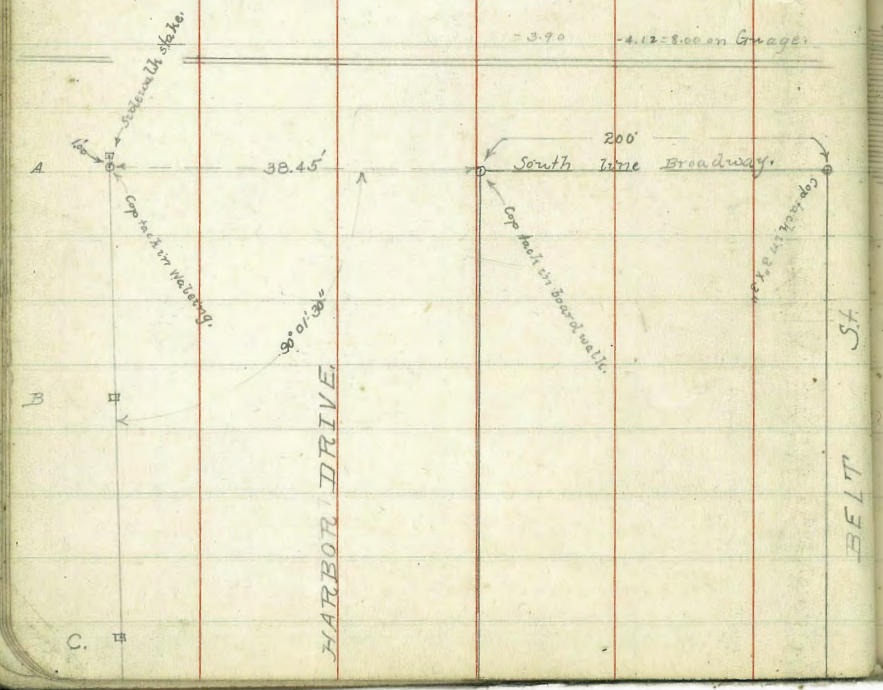

3.0
5.0'
271'
230'
BUNKER'S WHARF.
187.16'
This course checked perfectly.
Y
X'
W'
V'
U'
T'
S'
R'
Q'
110'
2'
93'
2'
8.5'

6
7.11'
5.5
BUNKERS
4.8'
3.7
WHARF
3.0'
3.0
2.30'
5.0
157.6'
174'
491'
Z'
Y'
X'
W'
V'
U'
T'
S'
R'
7
90°
7+50
Municipal Pier
corrected course
0.5' off
7.0'
116'
10.7
8.8'
5.5
BUNKERS
WHARF
7.50'
111'
679'
139'
5.0
5.1'
7.1
471'
F2
E2
D2
C2
B2
A2
Z'
Y'

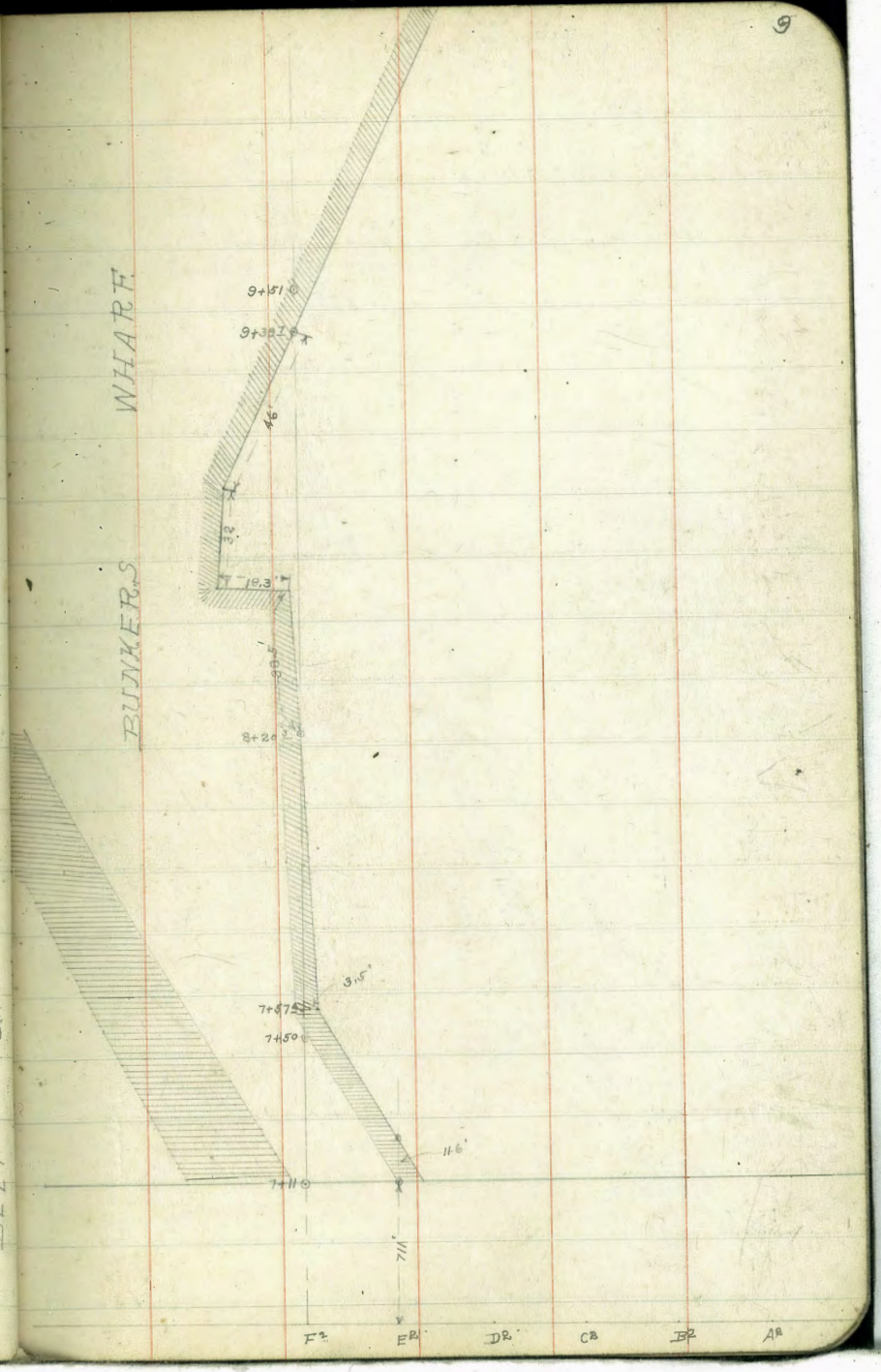
8

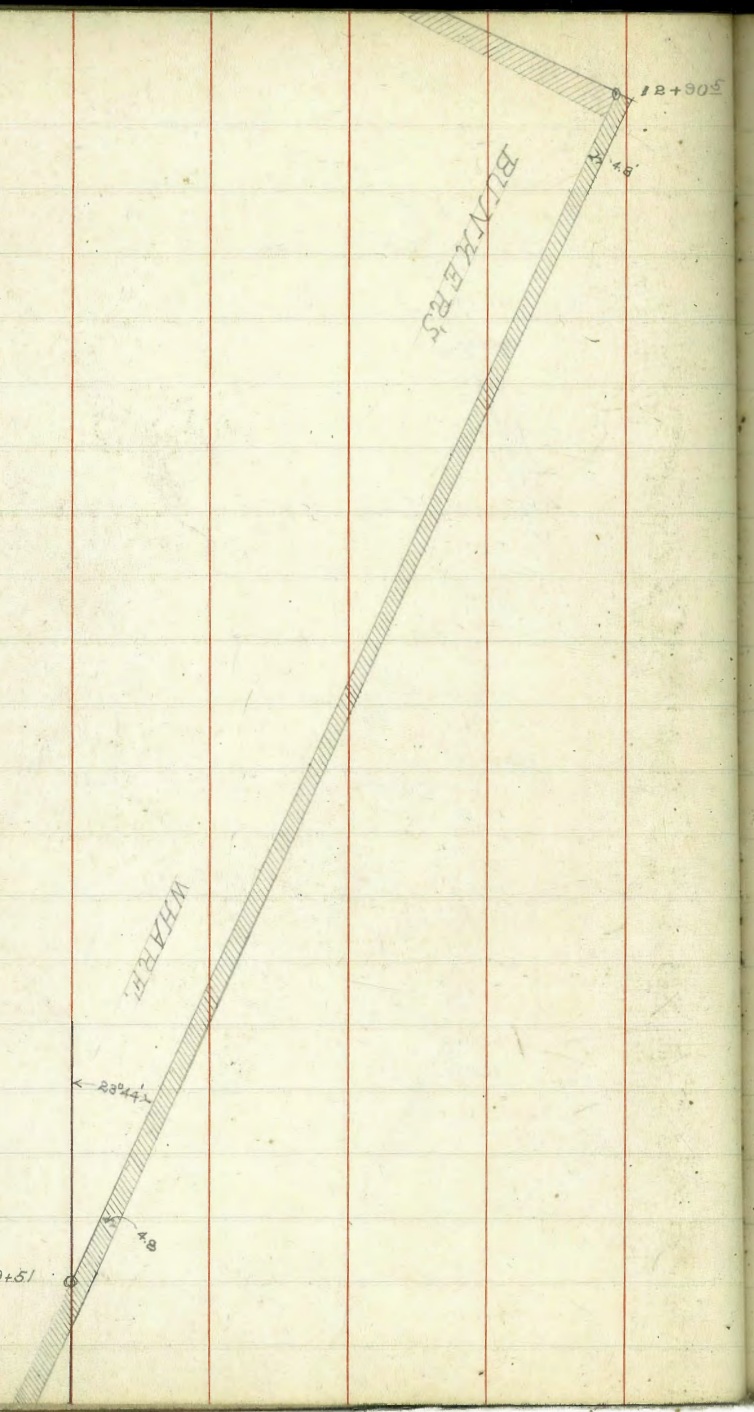
B.M. B.P. S.E. Cor Arctic & Broadway 10.50

	+		−
	1.00	11.50	10.50
	6.03	10.45	7.08	4.42
			10.78	− 0.33 main top pile
	10.78	10.45		− 0.33
	7.96	12.06	6.25	4.20
			1.56	10.50 = 10.50
	9.11	− 0.22	−	− 0.33
			− 3.90	− 4.12 = 8.00 on Gauge.



9





Sec A : G = 7.1 - 3.14 = 3.86

Station	Sounding	Tide Gauge	Correct Sound
1+25	4.5	3.86	0.6
1+50	5.0		1.2
1+75	6.0	3.8	2.2
2+00	18.5		14.7
+25	32.0	3.7	18.3
+50	34.5		30 8
+75	35.0	3.6	31 4
3	35.0		31 4
+25	35.0	3.5	31 5
+50	35.0		31 5
+75	35.0	3.4	31.6
4+00	34.5		31.1
+25	33.0	3.3	29.7
+50	33.0		29 7
+75	34.0	3.2	30.8
5+00	35.0		31 8
+25	35.5	3.1	32.4

5+50	34.5	3.1	31 4
+75	31.0	3.0	28 0
6+00	33.0		30 0
+25	33.0	2.9	30 1
+50	31.5		27 6
+75	30.0	2.8	27 2
7+00	31.5		28 7
+25	29.0	2.7	26 3
+50	31.0		28 3
+75	31.5	2.6	28 9
8+00	32.0		29 4
+25	33.0	2.5	30 5
+50	31.5		29 0
+75	33.0	2.4	30 6
9+00	32.5		30 1
+25	30.5	2.3	28 2
	G = 5.4 - 3.14 = 2.26		
9+50	35.5	2.3	33 2
9+75	37.0	2.3	34 7

Sta	Sound	Gauge	Cor Sound
10+00	36.5	2.2	34 3
+25	36.0	2.2	33 8
+50	36.0	2.1	33 9
+75	36.0	2.1	33 9
11+00	36.5	2.1	34 4
+25	37.0	2.0	35 0
+50	37.0	2.0	35 0
+75	35.0	2.0	33 0
12+00	34.0	1.9	32 1
+25	34.0	1.9	32 1
+50	33.5	1.9	31 6
+75	33.0	1.8	31 2
13+00	33.5	1.8	31 7
+25	34.0	1.8	32 2
+50	34.0	1.8	32 2
+75	34.0	1.7	32 3
14+00	34.5	1.7	32 8
+25	34.5	1.66	32 8

Sec B. G = 5.8 - 3.14 = 1.66

1+00	1.0	1.7	+07		5+75	35.0	2.0	33 0	
+25	3.0	1.7	1.3		6+00	34.5	2.0	32 5	
+50	4.0	1.7	2 3		+25	34.5	2.0	32 5	
+75	8.0	1.7	6 3		+50	34.5		32 5	
2+00	30.0	1.8	28 2		+75	34.5		32 5	
+25	35.5	1.8	33 7		7+00	35.5	2.0	33 5	
+50	35.5	1.8	33 7		+25	35.5	2.1	33 4	
+75	36.0	1.8	34 2		+50	35.5		33 4	
3+00	36.5	1.8	34 7		+75	35.0		32 9	
+25	37.0	1.8	35 2		8+00	35.0	2.1	32 9	
+50	37.5	1.9	35 6		+25	35.5		33 4	
+75	37.0	1.9	35 1		+50	36.0		33 9	
4+00	35.0	1.9	33 1		+75	36.5	2.1	34 4	
+25	34.0	1.9	32 1		9+00	38.0	2.2	35 8	
+50	34.0	1.9	32 1		+25	38.0		35 8	
+75	35.0	1.9	33 1		+50	38.5		36 3	
5+00	36.5	1.9	34 6		+75	36.0	2.2	33 8	
+25	36.5	1.9	34 6		10+00	36.0		33 8	
+50	35.5	2.0	33 5		+25	36.0		33 8	

10+50	36.0	2.2	33	8
+75	36.0	2.3	33	7
11+00	36.0		33	7
+25	36.5		33	2
+50	37.0	2.3	34	7
+75	35.5		32	2
12+00	35.0		32	7
+25	35.0	2.3	32	7
+50	34.0	2.4	31	6
+75	34.0		31	6
13+00	33.0		30	6
+25	34.0		31	6
+50	34.0	2.4	31	6

	Sec. C	G = 5.5 - 3.14 = 2.36		
12+50	34.0	2.4	31	6
+25	34.0		31	6
12	34.5		32	1
+75	34.5	2.4	32	1
+50	35.5	2.5	33	0
+25	36.5		34	0
11	37.5		35	0
+75	36.5		34	0
+50	36.0	2.5	33	5
+25	36.0		33	5
10	36.0		33	5
+75	36.0		33	5
+50	37.5	2.5	35	0
+25	38.5	2.6	35	9
9	38.5		35	9
+75	38.0		35	4
+50	37.0	2.6	34	4

+25	36.5	2.6	33 9
8	37.0		34 4
+75	36.5		33 9
+50	37.0	2.6	34 4
+25	37.0	2.7	34 3
7	37.0		34 3
+75	36.5		33 8
+50	36.5	2.7	33 8
+25	36.5		33 8
6	37.0		34 3
+75	36.5		33 8
+50	37.0	2.7	34 3
+25	37.0	2.8	34 2
5	37.0		34 2
+75	36.5		33 7
+50	35.5	2.8	32 7
+25	35.5		32 7
4	36.0		33 2
+75	37.0		34 2
+50	38.5	2.8	35 7

+25	38.0	2.9	35 1
3	37.5		34 6
+75	37.5		34 6
+50	37 5	2.9	34 6
+25	37.0		34 1
2	30.0		27 1
+75	9.0	2.9	6 1
+50	5.5	3.0	2 5
+25	4.0		1 0
1	3.0	3.0	0 0
+75	1.0	G=6.1-3.14=2.96	+ 2 0
Sec II	G=6.6-3.14=3.46		
0+75	1.0	3.5	+ 2 5
1+00	4.0		0 5
+25	6.0		2 5
+50	7.5		4 0
+75	10.5		7 0
2+00	34.0		30 5
+25	38.5		35 0
+50	38.0		34 5

2+75	38.5	3.5	350
3+00	38.0		345
+25	39.0		355
+50	39.0		355
+75	39.0		355
4+00	39.0		355
+25	38.0		345
+50	37.0		335
+75	37.0		335
5+00	36.5		330
+25	38.0		345
+50	38.0		345
+75	38.0		345
6+00	37.5	↑ 3.5	340
+25	36.5	3.4	331
+50	36.5	↓	331
+75	37.5		341
7+00	37.5		341
+25	37.5		341
+50	38.0		346

7+75	38.0	3.4	346
8+00	38.0		346
+25	38.0		346
+50	38.0		346
+75	38.0		346
9+00	39.0		356
+25	40.0		366
+50	40.0		366
+75	38.0		346
10+00	38.0		346
+25	37.0		336
+50	37.0		336
+75	37.0		336
11+00	37.0		336
+25	38.0		346
+50	38.0		346
+75	37.0		336
12+00	36.0		326
+25	35.5		321
+50	35.0		316

12+75	36.0	↑ 3.4	32 6					
SEC. E	G = 6.5	-3.14 = 3.36						
12+75	35.0	3.4	31 6					
+50	35.0		31 6					
+25	36.0		32 6					
12+00	36.0		32 6					
+75	36.0		32 6					
+50	37.5		34 1					
+25	37.0		33 6					
11+00	36.5		33 1					
+75	36.5		33 1					
+50	36.5		33 1					
+25	37.0		33 6					
10+00	37.0		33 6					
+75	39.0		35.6					
+50	40.0		36 6					
+25	39.5	3.4	36 1					
9+00	39.0	3.3	35 7					

8+75	38.0	3.3	34 7					
+50	38.0		34 7					
+25	38.0		34 7					
8+00	37.5		33 2					
+75	38.0		34 7					
+50	38.0		34 7					
+25	38.0		34 7					
7+00	38.0		34 7					
+75	37.5		34 2					
+50	37.0		33 7					
+25	37.5		34 2					
6+00	37.5	3.3	34 2					
+75	37.5		34 2					
+50	38.0		34 7					
+25	37.5		34 2					
5+00	37.0		33 7					
+75	37.0		33 7					
+50	37.0		33 7					
+25	37.0		33.7					
4+00	38.5		35 2					

3+75	38.5	3.3	35	2
+50	38.0		34	7
+25	38.0		34	7
3+00	37.0	3.3	33	7
+75	38.5	3.2	35	3
+50	38.5		35	3
+25	38.5		35	3
2+00	34.0		30	8
+75	8.0		4	8
+50	7.0		4	3
+25	6.0		2	8
1+00	4.5		1	3
+80	1.5	G 6.3-3.14= 3.16	+1	7

SEC. F G = 6.3 - 3.14 = 3.16

0+75	1.0	3.2	+2 2
1+00	4.5		1 3
+25	6.0		2 8
+50	7.5		4 3
+75	10.0		6 8
2+00	32.5	3.2	29 3
+25	39.0	3.1	35 9
+50	38.5		35 4
+75	39.0		35 9
3+00	38.0		34 9
+25	38.5	3.1	35 4
+50	37.5		34 4
+75	38.5		35 4
4+00	38.5		35 4
+25	37.0		33 9
+50	36.5	3.1	33 4
+75	36.5	3.0	33 5
5+00	37.0		34 0
+25	37.0		34 0

5+50	37.0		340
+75	37.5	3.0	345
6+00	37.0		340
+25	37.0		340
+50	37.0		340
+75	36.5	3.0	335
7+00	37.0	2.9	341
+25	37.0		341
+50	37.0		341
+75	37.0		341
8+00	36.5		336
+25	37.0	2.9	341
+50	37.5		346
+75	38.0		351
9+00	38.0		351
+25	38.5		356
+50	39.0	2.9	361
+75	39.0	2.8	362
10+00	36.0		332
+25	36.0		332

10+50	36.0		332
+75	36.0	2.8	332
11+00	36.5		337
+25	37.5		347
+50	37.0	2.8	342
+75	35.5	2.7	328
12+00	35.0		323
+25	35.0		323
+50	35.0		323
+75	34.0	2.7 @ 5.8	313

Sect G.

G 5.8 - 3.14 = 2.66

12+75	34.0	2.7	31 3
+50	35.0		32 3
+25	35.0		32 3
12+00	34.5	2.7	31 8
+75	30.5	2.6	33 9
+50	37.0		34 4
+25	36.5		33 9
11+00	36.0		33 4
+75	36.0	2.6	33 4
+50	36.0		33 4
+25	36.0		33 4
10+00	36.0		33 4
+75	38.5		35 9
+50	38.5	2.6	35 9
+25	38.5	2.5	36 0
9+00	38.0		35 5
+75	37.0		34 5
+50	37.0		34 5
+25	34.0	2.5	34 0

8+00	36.0	2.5	33 5
+75	37.0		34 5
+50	36.0		33 5
+25	36.0		33 5
7+00	36.0	2.5	33 5
+75	36.0	2.4	33 6
+50	36.5		34 1
+25	37.0		34 6
6+00	38.5		36 1
+75	38.5	2.4	36 1
+50	38.0		35 6
+25	35.5		33 1
5+00	36.0		33 6
+75	36.5		34 1
+50	37.5	2.4	35 1
+25	38.0	2.3	35 7
4+00	38.0		35 7
+75	37.5		35 2
+50	38.5		36 2
+25	38.0	2.3	35 7

3+00	38.5	2.3	36	2
+75	38,5		36	2
+50	38.0		35	7
+25	37.0	2.3	34	7
2+00	29.0	2.2	26	8
+75	7.0		4	8
+50	6.0		3	8
+25	5.5		3	3
1+00	4.0		1	2
0+75	1.0	$\frac{2.2}{5.3}$ - 3.14 = +	1	1

SEC. H. 4.3 - 3.14 = 1.16

12+75	33.0	1.2	31	8
1+50	33.0		31	8
+25	33.0		31	8
12+00	34.0		32	8
+75	35.0	1	33	8
1+50	35.5	1.2	34	3
+25	35.5	1.3	34	2
11+00	34.5		33	2
+75	34.5		33	2
1+50	34.5		33	2
+25	34.5	1.3	33	2
10+00	34.5		33	2
+75	36.5		35	2
+50	36.5		35	2
+25	36.5		35	2
9+00	36.5	1.3	35	2
+75	36.0	1.4	34	6

8+50	35.0	1.4	33 6
+25	35.5		34 1
8+00	35.0		33 6
+75	35.0	1.4	33 6
+50	34.5		33 1
+25	35.5		34 1
7+00	37.0		35 6
+75	36.5		35 1
+50	37.0	1.4	35 6
+25	37.5	1.5	36 0
6+00	37.5		36 0
+75	37.5		36 0
+50	37.0		35 5
+25	36.0	1.5	34 5
5+00	36.5		35 0
+75	36.5		35 0
+50	36.5		35 0
+25	36.5		35 0
4+00	36.5	1.5	35 0
+75	87.0	1.6	35 4

3+50	37.5	1.6	35 9
+25	37.5		35 9
3+00	37.5		35 9
+75	37.5	1.6	35 9
+50	38.0		36 4
+25	36.0		34 4
2+00	8.5	1.6	6 9
+75	6.0	1.7	4 3
+50	5.5		3 8
+25	5.0		3 3
1+00	3.5		1 8
0+75	1.5	1.7 4.8	7 0 2

Sle. IG 4.8 - 3.14 = 1.66

0+50	2.0	1.7	0 3
1+00	4.0		2 3
+25	7.0		5 3
+50	7.0		5 3
+75	7.0		5 3
2+00	7.0	1.7	5 3
+25	32.0	1.8	30 2
+50	37.0		35 2
+75	38.0		36 2
3+00	37.0	1.8	35 2
+25	37.0		35 2
+50	38.5		36 7
+75	37.0		35 2
4+00	37.0		35 2
+25	37.0	1.8	35 2
+50	37.5	1.9	35 6
+75	37.5		35 6
5+00	37.5		35 6
+25	37.0		35 1
5+50	38.0	1.9	36 1
+75	38.5		36 6
6+00	38.0		36 1
+25	38.0		36 1
+50	37.5		35 6
+75	38.0	1.9	36 1
7+00	38.0	2.0	36 0
+25	38.0		36 0
+50	37.5		35 5
+75	38.0		36 0
8+00	38.0	2.0	36 0
+25	39.0		37 0
+50	38.5		36 5
+75	38.5		36 5
9+00	38.5		36 5
+25	38.5	2.0	36 5
+50	38.5	2.1	36 4
+71	37.0		34 9
10+00	34.5		32 4
+25	35.5		33 4

10+50	36.5	2.1	33 4
+75	35.5		33 4
11+00	35.5		33 4
+25	35.5		33 4
+50	37.0	2.1	34 9
+75	37.0	2.2	34 8
12+00	37.0		34 8
+25	34.0		31 8
+50	34.0		31 8
+75	34.0		31 8
13+00	33.5		31 3
+25	33.5	2.2	31 3

Sect J.

$\frac{5.3}{2} - 3.14 = 2.16$

13+25	34.0	2.2	31 8
13+00	34.0		31 8
+75	34.0		31 8
+50	34.0		31 8
+25	34.0	2.2	31 8
12+00	35.0	2.3	32 7
+75	36.0		33 7
+50	36.0	2.3	33 7
+25	36.0		33 7
11+00	35.5		33 2
+75	35.5	2.3	33 2
+50	35.0	2.4	32 6
+25	35.0		32 6
10+00	36.0		33 6
+25	37.5	2.4	35 1
+50	38.0		35 6
+25	39.0		36 6
9+00	39.5	2.4	37 1
+75	38.5	2.5	36 0

8+50	38.5	2.5	36 0			7+50	28.0		35 5		
+25	38.0		35 5			+25	37.0		34 5		
8+00	38.0	2.5	35 5			7+00	38.0		35 5		
+75	38.0	$G_{2.5}^{5.6}$ 6-3.14=	35 5			+75	38.0		35 5		
+50	38.0		35 5			+50	37.0		34 5		
+25	38.0		35 5			+25	26.5		24 0		
7+00	38.0		35 5			2+00	7.5		50		
+75	38.0		35 5			+75	8.0		55		
+50	38.0		35 5			+50	7.0		45		
+25	38.0		35 5			+25	7.0		45		
6+00	38.0		35 5			1+00	5.0		25		
+75	38.0		35 5			0+80	2.0	$G_{5.0}^{2.5}$	+0.5		
+50	38.0		35 5								
+25	38.0		35 5								
5+00	37.0		34 5								
+75	38.0		35 5								
+50	38.0		35 5								
+25	38.0		35 5								
4+00	38.0		35 5								
+75	38.0		35 5								

SEC. K. G5.9-314= 2.76

0 +00	3.0	2.8	0 2
1 +00	5.5		2 7
+25	6.5		3 7
+50	7.0		4 2
+75	7.0		4 2
2+00	8.0		5 2
+25	20.0		17 2
+50	33.0	2.8	30 2
+75	37.5	2.9	34 6
3+00	37.5		34 6
+25	38.0		35 1
+50	38.0		35 1
+75	37.0		34 1
4+00	38.0		35 1
+25	37.5		34 6
+50	37.5		34 6
+75	37.5	2.9	34 6
5+00	37.0		34 1
+25	38.0		35 1
5+50	38.0		35 1
+75	38.0		35 1
6+00	38.0		35 1
+25	38.5		35 6
+50	38.5	2.9	35 6
+75	38.5	3.0	35 5
7+00	38.0		35 0
+25	38.0		35 0
+50	37.5		34 5
+75	38.5		35 5
8+00	38.5		35 5
+25	38.5		35 5
+50	39.0		36 0
+75	39.0	3.0	36 0
9+00	40.0		37 0
+25	40.0		37 0
+50	40.0		37 0
+75	39.5		36 5
10+00	39.0		36 0
+25	37.0		34 0

10+50	37.0	3.0		340
+75	36.5	3.1		334
11+00	36.0			329
+25	37.0			339
+50	38.0			349
+75	37.5			344
12+00	32.8			339
+25	36.0			329
+50	35.0			319
+75	36.0	3.1		319
		6.2 - 3.14 = 3.06		

SEC. L. 6.2 - 3.14 = 3.06

12+75	35.0	3.1	319
+50	35.5		324
+25	36.0	3.1	329
12+00	36.0	3.2	328
+75	37.5		343
+50	38.0	3.2	348
+25	37.5		343
11+00	38.0	3.2	348
+75	37.5	3.3	342
+50	38.0		347
+25	38.0	3.3	347
10+00	39.0	3.3	357
+75	40.0	3.3	367
+50	40.0	3.4	366
+25	40.0		366
9+80	40.0	3.4	366
+75	39.0		356
+50	39.0	3.4	356
+25	39.0	3.5	355

8+00	38.0		34 5
+75	38 0	3.5	34 5
+50	37.5		34 0
+25	38.0	3.5	34 5
7+00	38.0	3.6	34 4
+75	38.0		34 4
+50	39.0	3.6	35 4
+25	38.5		35 0
6+00	39,0	3.6	35 4
+75	38,5	3.7	34 8
+50	38,5		34 8
+25	38,5		34 8
5+00	37,5	3.7	33 8
+75	37,5		33 8
+50	38,0	3.7	34 3
+25	38,0	3.8	34 2
4+00	38.0	3.7	34 2
+75	38.0	3.8	34 2
+50	30.0		31 2
+25	30.0	3.8	31 2

3+00	35.0	3.9	31 1
+75	38.0		34 1
+50	24.0		20 1
+25	8,0	3.9	4 1
2+00	8.0		4 1
+75	8.0	3.9	4 1
+50	7.0	4.0	3 0
+25	7.0		3 0
1+00	6.5		2 5
0+50	4.0	4.0 ✓ G 7.1 -3.14	0 0

	SEC. M. G	7.3-3.14=4.16						
0 + 50	2.0	4.2	+ 2 2					
1 + 00	7.0		2 8					
+ 25	7.0		2 8					
+ 50	7.0		2 8					
+ 75	8.0		3 8					
2 + 00	8.0		3 8					
+ 25	8.0		3 8					
+ 50	8.0		3 8					
+ 75	9.0		4 8					
3 + 00	8.5		4 3					
+ 25	13.0		8 8					
+ 50	11.0		6 8					
+ 75	28.0		23 8					
4 + 00	33.0		28 8					
+ 25	37.0		32 8					
+ 50	37.5		33 3					
+ 75	37.5	4.2	33 3					
5 + 00	38.0	℄ 7.3=4.16	33 8					
+ 25	38.5	℄ 7.0=3.86 3.9	34 6					
5 + 50	38.5	3.9	34 6					
+ 75	38.5	3.8	34 7					
6 + 00	38.5		34 7					
+ 25	38.5	3.8	34 7					
+ 50	38.5		34 7					
+ 75	38.0	3.8	34 2					
7 + 00	38.0	3.7	34 3					
+ 25	38.0	3.7	34 3					
+ 50	38.0		34 3					
+ 75	38.0	3.7	34 3					
8 + 00	39.0	3.6	35 4					
+ 25	39.0		35 4					
+ 50	39.0	3.6	35 4					
+ 75	39.0		35 4					
9 + 00	39.5	3.6	35 9					
+ 25	40.0	3.5	36 5					
+ 50	40.5	3.5	37 0					
+ 75	40.5		37 0					
10 + 00	39.5	3.5	36 0					
+ 25	39.0	3.4	35 6					

10+50	38.0	3.4	346
+75	38.0		346
11+00	38.0	3.4	346
+25	38.5	3.3	352
+50	38.0	3.3	347
+75	38.0		347
12+00	37.0	3.3	337
+25	36.0	3.2	328
+50	37.0		338
+75	36.0	3.16	328

SEC M+17 G 6.3 = 3.16

12+75	36.0	3.2	328
+50	36.0		328
+25	36.5		333
12+00	36.0		328
+75	37.0	3.2	338
+50	38.0	3.1	349
+25	38.5		354
11+00	37.5		344
+75	37.0	3.1	339
+50	37.0		339
+25	38.5		354
10+00	39.0		359
+75	39.5	3.1	364
+50	40.0	3.0	370
+25	40.0		370
9+00	39.0		360
+75	38.0	3.0	350
+50	38.0		350
+25	38.0		350

8+00	38.0		35	0
+75	38.0	3.0	35	0
+50	37.5	2.9	34	6
+25	37.5		34	6
7+00	37.5		34	6
+75	37.5	2.9	34	6
+50	38.0		35	1
+25	37.5		34	6
6+00	37.5		34	6
+75	37.5	2.9	34	6
+50	38.0	2.8	35	2
+25	37.0		34	2
5+00	37.5		34	7
+75	37.0	2.8	34	2
+50	34.0		31	2
+25	31.0		28	2
4+00	10.0		7	2
+75	8.0	2.8	5	2
+50	7.0	2.7	4	3
+25	8.0		5	3

3+00	7.0		4	3
+75	7.0	2.7	4	3
+50	7.0		4	3
+25	7.0		4	3
2+00	7.0	2.7	4	3
+75	8.0	2.6	5	4
+50	9.0		6	4
+25	9.0		6	4
1+00	8.0	2.6	5	4
0+85	4.0	5.7 = 2.6	1	4

	Sec. 0+9 G 4.5 = 1.36		
0+80	6.0	1.4	4 6
1+00	6.0		4 6
+25	7.0		5 6
+50	8.0		6 6
+75	7.5		6.1
2+00	6.0		4 6
+25	6.0		4 6
+50	6.5		5 1
+75	6.5		5 1
3+00	6.0		4 6
+25	6.0		4 6
+50	6.0		4 6
+75	6.0	1.4	4 6
4+00	6.0	1.5	4 5
+25	6.0		4 5
+50	6.5		5 0
+75	10.0		8 5
5+00	15.0		13 5
+25	16.5		15 0

5+50	19.5	1.5	18 0
+75	27.0		25 5
6+00	37.0		35 5
+25	36.0		34 5
+50	36.0		34 5
+75	36.0		34 5
7+00	36.5		35 0
+25	36.0		34 5
+50	37.0	1.5	35 5
+75	37.0	1.6	35 4
8+00	38.0		36 4
+25	37.0		35 4
+50	37.0		35 4
+75	37.0		35 4
9+00	38.0		36 4
+25	38.0		36 4
+50	39.0		37 4
+75	39.0		37 4
10+00	39.0	1.6	37 4
+25	39.0	4.7 = 1.56	37 4

10+50	38.0	1.8	36	2
+75	38.0	2.0	36	0
11+00	38.0	2.2	35	8
+25	38.5	2.4	36	1
+50	39.0	2.7	36	3
+75	39.0	2.9	36	1
12+00	36.0	3.1	32	9
+25	36.0	3.3	32	7
+50	36.0	3.5	32	5
+75	36.0	3.7	32	3

SEC. PG 6.8 = 3.66

12+75	37.0	3.7	33	3
+50	37.0		33	3
+25	37.0		33	3
12+00	38.0		34	3
+75	39.0		35	3
+50	39.0		35	3
+25	39.0		35	3
11+00	39.0		35	3
+75	38.0		34	3
+50	37.0		33	3
+25	39.5		35	3
10+00	40.0		36	3
+75	40.0		36	3
+50	40.0		36	3
+25	40.0		36	3
9+00	40.0	3.7	36	3
+75	40.0	3.8	36	2
+50	39.0		35	2
+25	39.0		35	2

8+00	39.0	3.8	35	2
+75	39.0		35	2
+50	38.5		34	7
+25	36.0		32	2
7+00	35.0		31	2
+75	35.0	3.8	31	2
+50	28.0		24	2
+25	18.0		14	2
6+00	35.0		31	2
+75	33.0		29	2
+50	26.0		32	2
5+25	24.0		20	2
5+00	11.0		7	2
+75	9.0		5	2
+50	8.0		4	2
+25	8.0		4	2
4+00	8.0	3.8	4	2
+75	8.5	3.9	4	6
+50	7.5		4	6

+25	8.5	3.9	4	6
3+00	9.5		5	6
+75	9.5		5	6
+50	9.0		5	1
2+25	8.0		4	1
2+00	8.0		4	1
+75	8.5		4	6
+50	9.0		5	1
1+25	9.0		5	1
1+00	7.0		3	1
0+50	5.0	@ 7.0 = 3.86	1	1

Q	G=70=	3.86	
+80	5.0	3.9	1 1
1	6.5		2 6
1+25	7.5		3 6
1+50	8.0		4 1
1+75	8.0		4 1
2	8.0		4 1
+25	8.0		4 1
+50	8.0		4 1
+75	8.0		4 1
3	8.0		4 1
+25	8.0		4 1
+50	8.0		4 1
+75	8.0		4 1
4	8.0		4 1
+25	8.0		4 1
+50	8.0		4 1
+75	11.5		7 6
5	11.5		7 6
+25	12.0		8 6
+50	12.5	3.9	8 6
+75	15.0		11 1
6	10.0		6 1
+25	8.5		4 6
+50	9.0		5 1
+75	12.0		8 1
7	16.0	3.9 / 4.0	12 1
+25	17.0		13 0
+50	31.0		27 0
+75	36.0		32 0
8	36.5		32 5
+25	36.0		32 5
+50	38.5		34 5
+75	39.0		35 0
9	39.0		35 0
+25	39.0		35 0
+50	39.0		35 0
+75	39.5		35 5
10	39.0		35 0
+25	36.5		32 5

+50	36.5	4.0	32 5
+75	37.0		33 0
11	38.0		34 0
+25	39.0		35 0
+50	39.0		35 0
+75	39.0		35 0
12	36.5		32 5
+25	36.5		32 5
+50	37.0		33 0
+75	37.0		33 0
13	37.0		33 0
Ci = 7.1		= 3.96	

Ft		Ci = 3.2 =	0.06
10	33	0.1	32.9
+75	33		32.9
+50	33		32.9
+25	33		32.9
12	33		32.9
+75	33.5		33 4
+50	35		34 9
+25	35.5		35 4
11	35		34 9
+75	34		33 9
+50	34		33 9
+25	34		33 9
10	34		33 9
+75	35.5 ✓		35 4
+50	35.5 ✓		35 4
+25	35 ✓	0.1	34 9
9	34.5 ✓	0.0	34 5
+75	27		27 0
+50	16		16 0

+25	15		150
8	15.5		155
+75	13.5		135
+50	9.5		95
+25	4.0		40
7	3.5		35
+75	5.0		50
+50	5.0		50
+25	3.5		35
6	4.0	0.0	40
+75	8.0		80
+50	8.0		80
+25	8.0		80
5	9.0		90
+75	7.5		75
+50	5.5		55
425	4.0		40
4	4.0		40
+75	4.0		40
+50	4.5	0.0	45

+25	4.0	-0.1	41
3	4.0		41
+75	4.5		46
+50	4.5		46
+25	4.5		46
2	4.5		46
+75	4.5		46
+50	4.0		41
+25	4.0		41
1	4.0		41
+80	1.0	-0.14 G = 3.0 =	11

5	C = 3.0	-0.14	
+80	1.0		11
1	3.5		36
+25	4.0		41
+50	4.5		46
+75	5.0		51
2	4.5		46
+25	4.5		45
+50	4.5		46
+75	4.0	-0.1	41
3	4.0	0.0	40
+25	4.0		40
+50	4.0		40
+75	5.0		50
4	4.0		40
+25	4.5		45
+50	6.5		65
+75	7.5		75
5	8.0	0.0	80
+25	8.0		80

+50	8.0	0.0	80
+75	4.0		40
6	3.5		35
+25	3.5		35
+50	4.0	0.0	40
+75	4.0	0.1	39
7	3.5		34
+25	3.5		34
+50	4.0		39
+75	3.5		34
8	4.0		39
+25	4.0		39
+50	4.0		39
+75	4.0		39
9	13.0		129
+25	15.0	0.1	149
+50	29.0		289
+75	32.0		319
10	23.0		229
+25	13.0	0.1	129

+50	16.0		15	9
+75	17.0	0.1	16	9
11	25.5	0.2	25	3
+25	31.0		30	8
+50	31.5		31	3
+75	32.0		31	8
12	33.0		32	8
+25	33.5		33	3
+50	33		32	8
+75	33	0.2	32	8
13	33	0.16	32	8

T G=	3.3	0.16		
13	33.	0.2	32	8
+75	33.5		33	3
+50	33.5		33	3
+25	33.5		33	3
12	33		32	8
+75	32		31	8
+50	32		31	8
+25	27		26	8
11	11	0.2	10	8
+75	7.0	0.3	6	7
+50	5.0		4	7
+25	5.0		4	7
10	5.0		4	7
+75	5.0		4	7
+50	4.5		4	2
+25	4.5		4	2
9	4.0.	0.30	3	7
+75	4.5		4	2
+50	4.5		4	2

+25	4.0		37
8	4.5		42
+75	4.0		37
+50	4.0		37
+25	4.0	0.3	37
7	4.5	0.4	41
+75	4.0		36
+50	4.0		36
+25	4.0		36
6	4.0		36
+75	5.0		46
+50	5.0		46
+25	8.5		81
5	8.5	0.40	81
+75	10.0		96
+50	7.0		66
+25	5.0		46
4	5.0		46
+75	4.5		41
+50	4.5		41

+25	5.0	0.4	46
3	5.0	0.5	45
+75	5.5		50
+50	5.0		45
+25	5.0		45
2	5.0		45
+75	5.0		45
+50	5.0		45
+25	5.0		45
1	4.0		35
+80	1.0	G = 3.6	=0.46 05

U											
	C = 3.6	0.46									
+80	1.0	0.5	0	5							
1	4.0		3	5							
+25	5.0	0.5	4	5							
+50	5.0	0.6	4	4							
+75	5.0		4	4							
2	5.0	0.6	4	4							
+25	5.0		4	4							
+50	5.0		4	4							
+75	5.0	0.6	4	4							
3	5.0	0.7	4	3							
+25	5.0		4	3							
+50	5.0	0.7	4	3							
+75	5.0		4	3							
4	5.0		4	3							
+25	9.5	0.7	8	8							
+50	9.5	0.8	8	7							
+75	9.0		8	2							
5	8.5	0.8	7	7							
+25	9.5		8	7							
+50	8.0		6	2							
+75	4.0	0.8	3	2							
6	4.5	0.9	3	6							
+75	4.5		3	6							
+50	4.5	0.9	3	6							
+25	4.5		3	6							
7	5.0		4	1							
+25	4.5	0.9	3	6							
+50	4.5	1.0	3	5							
+75	5.0		4	0							
8	5.0	1.0	4	0							
+25	5.0		4	0							
+50	5.0		4	0							
+75	5.0	1.0	4	0							
9	5.0	1.1	3	9							
+25	5.0		3	9							
+50	5.0	1.1	3	9							
+75	5.0		3	9							
10	6.0		4	9							
+25	5.5	1.1	4	4							

+50	6.0	1.2	4	8
+75	6.5		5	3
11	6.5		5	3
+25	10.0	1.2	8	8
+50	19.0		17	8
+75	34.0		32	8
12	34.0	1.2	33	8
+25	34.0	1.3	33	7
+50	34.0		33	7
+75	34.0		33	7
13	34.0	1.26 C = 4.4	33	7

V				
13	33.0	1.26 G = 4.4	31	7
+75	31.0	1.3	29	7
+50	25.0		23	7
+25	28.0		26	7
12	23.0		21	7
+75	14.0		12	7
+50	9.0		7	7
+25	8.0		6	7
11	7.5	1.3	6	2
+75	7.5	1.4	6	1
+50	6.5		5	1
+25	6.0		4	6
10	6.0		4	6
+75	5.5		4	1
+50	5.5		4	1
+25	5.5		4	1
9	5.0	1.4	3	6
+75	5.0		3	6
+50	5.0		3	6
+25	5.0		3	6

8	6.0		36
+75	6.0		36
+50	5.0		36
+25	5.0		36
7	5.0	1.4	36
+75	5.0	1.5	35
+50	5.0		35
+25	5.0		35
6	6.0		35
+75	6.0		35
+50	7.0		35
+25	9.0		75
5	9.5	1.5	80
+75	10.0		85
+50	9.5		80
+25	7.0		55
4	5.5		40
+75	5.5		40
+50	5.5		40
+25	6.5	1.5	40

3	6.0	1.6	44
+75	6.0		44
+50	6.5		49
+25	6.0		44
2	6.0		44
+75	6.0		44
+50	6.0		44
+25	6.0		44
1	4.0		24
+80	2.0	1.56	04

C = 47

W			
13	21.5	3.96 G=7.1	175
+7.5	16	4.0	120
+5.0	12.5		95
2.5	12.5		85
12	12.5		85
+7.5	12.0		80
+5.0	11.5		75
+2.5	11.0		70
11	10.5		65
+7.5	10.0		60
+5.0	9.0		50
+2.5	9.0		50
10.	8.0		40
+7.5	8.0		40
+5.0	8.0		40
+2.5	8.0		40
9	7.5		35
+7.5	7.5		35
+5.0	7.5		35
+2.5	7.5		35

8	7.5	35
+7.5	7.5	35
+5.0	7.5	35
+2.5	7.5	35
7	7.5	35
+7.5	7.0	30
+5.0	7.0	30
+2.5	7.0	30
6	7.0	30
+7.5	8.0	40
+5.0	8.0	40
+2.5	9.0	50
5	11.5	75
+7.5	11.5	75
+5.0	12.0	80
+2.5	12.5	85
4	8.0	40
+7.5	8.5	45
+5.0	8.0	40
+2.5	8.0	40

3	8.0		40
+75	8.0		40
+50	8.0		40
+25	8.0		40
2	9.0		50
+75	8.0		40
+50	8.0		40
+25	8.0		40
1	7.0	4.0	30
+75	4.0	3.96 C=7.1	00

X	C=7.1	3.96	
+7.5	9.0	4.0	+10
1	6.0		20
+25	7.5		35
+50	8.0		40
+75	8.5	4.0	45
2	8.5	4.1	44
+25	8.5		44
+50	8.5		44
+75	8.0		39
3	8.0	4.1	39
+25	8.5		44
+50	8.0		49
+75	8.5		44
4	12.0		79
+25	12.5	4.1	84
+50	12.5	4.2	83
+75	12.0		78
5	12.0		78
+25	10.0		58

+50	8.0	4.2	3	8			+50	10.5	4.4	6	1
+75	8.0		3	8			+75	11.0		6	6
6	7.0		2	8			11	11.5		7	1
+25	7.0		2	8			+25	12.0		7	6
+50	7.5		3	3			+50	13.0	4.4	8	6
+75	8.0	4.2	3	8			+75	13.0	4.5	8	5
7	7.0	4.3	2	7			12	13.5		9	0
+25	8.0		3	7			+25	13.5		9	0
+50	8.0		3	7			+50	14.0		9	5
+75	8.0		3	7			+75	13.5		9	0
8	8.0	4.3	3	7			13	16.0 G=7.6	4.46	11	5
+25	8.0		3	7							
+50	8.0		3	7							
+75	8.0		3	7							
9	8.0		3	7							
+25	8.0	4.3	3	7							
+50	7.5	4.4	3	1							
+75	8.0		4	6							
10	9.0		4	6							
+25	10.0		5	6							

X	G = 5.5	2.36		
13	11.0	2.4	8	6
+75	11.0		8	6
+50	11.0	2.4	8	6
+25	11.0	2.3	8	7
12	10.5	2.3	8	2
+75	10.0		7	7
+50	10.0	2.3	7	7
+25	9.5	2.2	7	3
11	9.0	2.2	6	8
+75	8.5		6	3
+50	7.5	2.2	5	3
+25	7.0	2.1	4	9
10	6.5		1	4
+75	6.0	2.1	3	9
+50	5.5	2.0	3	5
+25	5.0	2.0	3	5
9	5.5	2.0	3	5
+75	5.0	1.9	3	1
+50	5.5	1.9	3	6

+25	5.0	1.9	3	1
8	5.0	1.8	3	2
+75	5.0	1.8	3	2
+50	5.0	1.8	3	2
+25	5.0	1.7	3	3
7	5.0	1.7	3	3
+75	4.5	1.7	2	8
+50	4.5	1.6	2	9
+25	4.5	1.6	2	9
6	4.5	1.6	2	9
+75	4.0	1.5	3	0
+50	4.5	1.5	3	0
+25	5.0	1.5	3	5
5	9.0	1.4	7	6
+75	10.0	1.4	8	6
+50	9.0	1.4	7	6
+25	10.0	1.3	8	7
4	8.5	1.3	7	2
+75	6.5	1.3	5	2
+50	5.0	1.2	3	8

+25	5.0	1.2	38		2	G=4.0	0.86		
3	5.0	1.2	38		+85	1.0		01	
+75	5.0	1.2	38		1	2.0		11	
+50	5.0	1.1	39		+25	3.0		21	
+25	5.5	1.1	44		+50	4.5		36	
2	5.0	1.1	39		+75	5.0		41	
+75	5.0	1.0	40		2	5.0		41	
+50	4.5	1.0	45		+25	5.0	0.9	41	
+25	4.0	0.9	31		+50	5.0	0.8	42	
1	2.0	0.9	21		+75	5.0		42	
+80	1.0 G=4.0	0.9 0.86	01		3	4.5		37	
					+25	5.0		42	
					+50	5.0		42	
					+75	8.0	0.8	72	
					4	8.5		77	
					+25	8.5		77	
					+50	9.0		82	
					+75	8.0		72	
					5	8.0		72	
					+25	4.5	0.8	37	

+50	4.5	0.7	38	
+75	4.5		38	
6	4.5		38	
+25	4.0		33	
+50	4.5		38	
+75	4.5	0.7	38	
7	4.5		38	
+25	4.5		38	
+50	4.5		38	
+75	4.5		38	
8	4.5		38	
+25	4.5	0.7	38	
+50	4.5	0.6	39	
+75	5.0		44	
9	5.0		44	
+25	5.0		44	
+50	5.5		49	
+75	5.5	0.6	49	
10	6.5		59	
+25	7.5		69	

+50	7.5	0.6	69
+75	8.0		74
11	8.5	0.6	79
+25	9.5	0.5	90
+50	9.5		90
+75	10.0		95
12	10.0		95
+25	10.5		100
+50	10.5		100
+75	10.5		100
13	10.5	0.5	100

A1 G = 3.6			
13	10.5	0.46	10 0
+75	10.5		10 0
+50	10.5		10 0
+25	10.5		10 0
12	10.0		9 5
+75	10.0		9 5
+50	10.0		9 5
+25	9.5		9 0
11	9.5	0.5	9 0
+75	8.5	0.4	8 1
+50	8.0		7 6
+25	7.5		7 1
10	7.0		6 6
+75	6.5		6 1
+50	5.5		5 1
+25	5.0		4 6
9	4.5	0.4	4 1
+75	5.0		4 6
+50	4.5		4 1
+25	4.0		3 6

8	4.5		4 1
+75	4.5		4 1
+50	4.0	0.4	3 6
+25	4.0	0.3	3 7
7	4.0		3 7
+75	4.0		3 7
+50	4.0		3 7
+25	4.0		3 7
6	4.0		3 7
+75	4.0		3 7
+50	4.0		3 7
+25	4.0		3 7
5	8.0	0.3	7 7
+75	8.0		7 7
+50	8.5		8 2
4.5	9.0		8 7
4	8.0		7 7
+75	8.0		7 7
+50	7.5		7 2
+25	5.5	0.3	5 2

13	4.5⁻	0.2	43
+75⁻	4.5⁻		43
+50	4.5⁻		43
+25⁻	4.5⁻		43
2	4.5⁻		43
+75⁻	4.0		38
+50	3.5⁻		33
+25⁻	2.0		18
1	1.0	0.2	08
+80	0.0	0.16 G=3.3	+2

B' G=3.2

13	10.0	0.06	99
+75⁻	10.0	0.1	99
+50	10.5⁻	0.2	103
+25	10.5⁻	0.2	103
12	10.0	0.2	98
+75⁻	10.0	0.2	98
+50	10.0	0.3	97
+25⁻	9.5⁻	0.3	92
11	9.5⁻	0.3	92
+75⁻	9.0	0.4	86
+50	8.5⁻	0.4	81
+25⁻	8.0	0.4	76
10	7.5⁻	0.5	71
+75⁻	7.0	0.5	65
+50	6.5⁻	0.5	60
+25⁻	5.5⁻	0.5	50
9	5.0	0.6	46
+75⁻	4.5⁻	0.6	39
+50	4.0	0.6	34
+25⁻	4.0	07	33

8	4.0	0.7	33
+75	4.0	0.7	33
+50	4.0	0.8	32
+25	4.0	0.8	32
7	4.0	0.8	32
+75	4.0	0.9	31
+50	4.0	0.9	31
+25	4.0	0.9	31
6	4.0	1.0	30
+75	4.0	1.0	30
+50	4.0	1.0	30
+25	4.0	1.1	29
5	4.0	1.1	29
+75	7.0	1.1	59
+50	8.0	1.2	68
+25	8.0	1.2	68
4	8.0	1.2	68
+75	8.0	1.3	67
+50	7.5	1.3	62
+25	9.0	1.3	77

3	5.0	1.4	36
+75	4.5	1.4	31
+50	4.5	1.4	31
+25	4.5	1.5	30
2	4.5	1.5	30
+75	4.5	1.5	30
+50	5.0	1.5	35
+25	3.0	1.6	34
1	2.0	1.6	04
+75	0.0	1.6	+ 16

C' G = 4.0

11	11.5⁻	1.6	9	9
		1.56		
+7.5⁻	11.5⁻		9	9
+5⁻0	11.5⁻		9	9
+2.5⁻	12.0		10	4
12	12.0		10	4
+7.5⁻	12.0		10	4
+5⁻0	11.5⁻		9	9
+2.5⁻	11.5⁻		9	9
11	11.5⁻		9	9
+7.5⁻	11.0		9	4
+5⁻0	10.5⁻		8	9
+2.5⁻	10.5⁻		8	9
10	10.0		8	4
+7.5⁻	9.0		7	4
+5⁻0	8.5⁻		6	9
+2.5⁻	8.0⁻		6	9
9	7.5⁻		5	9
+7.5⁻	6.5⁻		4	9
+5⁻0	6.0		4	4
+2.5⁻	5.5⁻		3	9

8	5⁻.0		3	4
+7.5⁻	5⁻.5⁻		3	9
+5⁻0	5⁻.5⁻		3	9
+2.5⁻	5⁻.5⁻		3	9
7	5⁻.5⁻		3	9
+7.5⁻	5⁻.5⁻	1.6	3	9
+5⁻0	5⁻.0	1.7	3	3
+2.5⁻	5⁻.0		3	3
6	5⁻.0		3	3
+7.5⁻	5⁻.0		3	3
+5⁻0	5⁻.5⁻		3	8
+2.5⁻	5⁻.5⁻		3	8
5⁻	5⁻.0		3	3
+7.5⁻	5⁻.5⁻		3	8
+5⁻0	5⁻.5⁻		3	8
+2.5⁻	9.0		6	3
4	10.0		8	3
+7.5⁻	10.0		8	3
+5⁻0	9.5⁻		7	9
+2.5⁻	9.0		7	3

3	10.0		8	3
+75	6.5		4	8
+50	6.5		4	8
+25	6.0		4	3
2	6.0		4	3
+75	6.0		4	3
+50	6.0		4	3
+25	5.5		3	8
1	4.5		2	8
+75	3.0		1	3
+50	2.0	1.66 G = 4.8	0	3

D' G = 4.8

+50	2.0	1.66	0	3
+75	5.5	1.7	3	8
1	10.0	1.8	8	2
+25	11.5	1.8	9	7
+50	12.5	1.9	10	6
+75	13.0	1.9	11	1
2	12.0	2.0	10	0
+75	12.5	2.0	10	5
+50	10.0	2.1	7	9
+75	10.0	2.1	7	9
3	10.0	2.2	7	8
+25	10.0	2.2	7	8
+50	10.0	2.3	7	7
+75	10.5	2.3	8	2
4	10.0	2.4	7	6
+25	6.0	2.4	3	6
+50	6.0	2.5	3	5
+75	6.0	2.5	3	5
5	6.0	2.6	3	4
+25	6.0	2.6	3	4

+50	6.0	2.7	3	3
+75	6.0	2.7	3	3
6	6.0	2.8	3	2
+25	6.0	2.8	3	2
+50	6.0	2.9	3	1
+75	6.0	2.9	3	1
7	6.0	3.0	3	0
+25	6.5	3.1	3	4
+50	6.5	3.1	3	4
+75	6.5	3.2	3	3
8	6.5	3.2	3	3
+25	6.5	3.3	3	2
+50	7.0	3.3	3	7
+75	8.0	3.4	4	6
9	8.0	3.4	4	6
+25	9.0	3.5	5	5
+50	10.0	3.5	6	5
+75	10.5	3.6	6	9
10	11.0	3.6	7	4
+25	11.5	3.7	7	8

+50	12.0	3.8	8	2
+75	12.5	3.8	8	7
11	12.5	3.9	8	6
+25	13.0	3.9	9	1
+50	14.0	4.0	10	0
+75	13.0	4.0	9	0
12	13.0	4.1	8	9
+25	13.0	4.1	8	9
+50	13.0	4.2	8	8
+75	13.0	4.2	8	8
13	13.0	4.3 C = 7.4	8	7

E' C = 5.8

13	13.5⁻	2.66	10	8
+7.5⁻	13.5⁻		10	8
+5⁻0	13.5⁻		10	8
+2.5⁻	13.0		10	3
12	13.5⁻	2.7	10	8
+7.5⁻	13.5⁻	2.8	10	7
+5⁻0	13.0		10	2
+2.5⁻	13.0		10	2
11	13.0	2.8	10	2
+7.5⁻	13.0		10	2
+5⁻0	12.5⁻		9	7
+2.5⁻	12.0		9	2
10	12.0	2.8	9	2
+7.5⁻	12.0	2.9	9	1
+5⁻0	10.5⁻		7	6
+2.5⁻	10.0		7	1
9	9.5⁻	2.9	6	6
+7.5⁻	9.0		6	1
+5⁻0	8.0		5	1
+2.5⁻	8.5⁻		5	6

8	7.5⁻	2.9	4	6
+7.5⁻	7.5⁻	3.0	4	5
+5⁻0	7.5⁻		4	5
+2.5⁻	7.0		4	0
7	7.0	3.0	4	0
+7.5⁻	7.0		4	0
+5⁻0	6.5⁻		3	5
+2.5⁻	6.5⁻		3	5
6	7.0	3.0	4	0
+7.5⁻	7.0	3.1	3	9
+5⁻0	6.5⁻		3	4
+2.5⁻	6.0		2	9
5	6.5⁻	3.1	3	4
+7.5⁻	6.5⁻		3	4
+5⁻0	6.5⁻		3	4
+2.5⁻	6.5⁻		3	4
4	10.0	3.1	6	9
+7.5⁻	10.5⁻	3.2	7	3
+5⁻0	17.0		13	8
+2.5⁻	11.5⁻		8	3

3	12.0	3.2	8	8
+75	11.5		8	3
+50	14.5		11	3
+25	14.0		10	8
2	14.5	3.2	11	9
+75	15.0	3.3	11	7
+50	14.5		11	2
+25	13.5		10	2
1	12.0		8	7
+75	11.0	3.3	7	7
+50	6.5		3	2
+35	0.0	3.26 C=6.4	+ 3	3

F' C=6.4

+25	3.0	3.26	+0 3
+50	6.5	3.3	3 2
+75	12.0	3.2	8 8
1	12.0	3.2	8 8
+25	14.0	3.2	10 8
+50	15.0	3.2	11 8
+75	15.0	3.1	11 9
2	15.0	3.1	11 9
+25	14.0	3.1	10 9
+50	15.0	3.0	12 0
+75	13.0	3.0	10 0
3	12.5	3.0	9 5
+25	12.0	2.9	9 1
+50	10.5	2.9	7 6
+75	10.0	2.9	7 1
4	7.0	2.9	4 1
+25	7.0	2.8	4 2
+50	7.0	2.8	4 2
+75	6.0	2.8	3 2
5	5.5	2.7	2 8

+25	5:0	2.7	2	3
+50	5:0	2.7	2	3
+75	6:5	2.7	3	8
6	7:5	2.6	4	9
+25	8:0	2.6	5	4
+50	8:0	2.6	5	4
+75	8:0	2.5	5	5
7	8:5	2.5	6	0
+25	8:0	2.5	5	5
+50	8:5	2.5	6	0
+75	8:5	2.4	6	1
8	9:0	2.4	6	6
+25	9:5	2.4	7	1
+50	10:5	2.3	8	2
+75	10:5	2.3	8	2
9	11:5	2.3	9	2
+25	12:0	2.3	9	7
+50	12:5	2.2	10	3
+75	13:0	2.2	10	8
10	13:5	2.2	11	3

+25	14:0	2.1	11	9
+50	14:0	2.1	11	9
+75	14:5	2.1	12	4
11	14:5	2.0	12	5
+25	15:0	2.0	13	0
+50	15:0	2.0	13	0
+75	15:0	1.9	13	1
12	15:0	1.9	13	1
+25	15:0	1.9	13	1
+50	16:0	1.8	13	2
+75	16:0	1.8	13	2
13	16:0	1.76	13	2

0	0= 4.9								
+15	1.0	1.76	+0	8					
+25	1.5		+0	3					
+50	4.0		2	2					
+75	5.5		3	7					
1	7.5	1.8	5	7					
+25	7.5	1.7	5	8					
+50	7.5		5	8					
+75	7.0		5	3					
2	7.0		5	3					
+25	8.5		6	8					
+50	12.0	1.7	10	3					
+75	10.5		8	8					
3	10.5		8	8					
+25	10.5		8	8					
+50	10.0		8	3					
+75	5.5	1.7	3	8					
4	5.0	1.6	3	4					
+25	4.0		2	4					
+50	3.5		1	9					
+75	3.0		1	4					
5	2.5	1.6	0	9					
+25	2.5		0	9					
+50	2.5		0	9					
+75	3.5		1	9					
6	4.5		2	9					
+25	5.5	1.6	3	9					
+50	5.5	1.5	4	0					
+75	5.5		4	0					
7	6.0		4	5					
+25	6.0		4	5					
+50	6.5	1.5	5	0					
+75	7.0		5	5					
8	7.5		6	0					
+25	7.5		6	0					
+50	9.0		7	5					
+75	8.5	1.5	8	0					
9	9.5	1.4	8	1					
+25	10.5		9	1					
+50	10.5		9	1					
+75	11.5		10	1					

10	11.5⁻	1.4	10	1
+25⁻	12.0		10	6
+5⁻0	12.0		10	6
+75⁻	12.0		10	6
11	12.0		10	6
+25⁻	12.5⁻	1.4	11	1
+5⁻0	12.5⁻	1.3	11	2
+75⁻	13.0		11	7
12	13.5⁻		12	2
+25⁻	13.0		11	7
+5⁻0	13.0		11	7
+75⁻	13.0	1.3	11	7
13	12.5⁻	1.26 C=4.4	11	2

+4	+1.0 C=4.0	0.86	+1 9
25	0.0	0.9	+0 9
+5⁻0	1.0		0 1
+75⁻	2.0		1 1
1	3.0		2 1
+25⁻	4.0		3 1
+5⁻0	4.5⁻		3 6
+75⁻	4.5⁻		3 6
2	5⁻.0	0.9	4 1
+25⁻	5⁻.0	0.8	4 2
+5⁻0	9.0		8 2
+75⁻	9.5⁻		8 7
3	9.5⁻		8 7
+25⁻	9.5⁻		8 7
+5⁻0	6.5⁻		5 7
+75⁻	3.5⁻		2 7
4	3.0		3 2
+25⁻	2.0		1 2
+5⁻0	1.5⁻	0.8	0 7
+75⁻	1.5⁻		0 7

6	1.6		0 7
+ 25	1.6		0 7
+ 50	1.6		0 7
+ 75	1.6		0 7
6	3.0		2 2
+ 25	4.0		3 2
+ 50	4.6	0.8	3 7
+ 75	4.6	0.7	3 8
7	5.0		4 3
+ 25	5.0		4 3
+ 50	5.0		4 3
+ 75	5.6		4 8
8	6.6		5 8
+ 25	7.6		6 8
+ 50	8.6		7 3
+ 75	9.6		8 8
9	10.6	0.7	9 8
+ 25	10.6		9 8
+ 50	11.0		10 3
+ 75	11.0		10 3

10	11.6		10 8
+ 25	11.6		10 8
+ 50	11.6	0.7	10 8
+ 75	11.6	0.6	10 9
11	11.6		10 9
+ 25	12.0		11 4
+ 50	12.0		11 4
+ 75	12.0		11 4
12	12.6		11 9
+ 25	13.0		12 9
+ 50	13.6		12 9
+ 75	12.0		11 4
13	12.0 G=3.7	0.6 0.56	11 4

I' G = 3.8

00	+1.0	0.66	7 1	8
+25	00	07	7 0	7
+50	1.5		0	8
+75	2.0		1	3
1	3.0		2	3
+25	5.0		4	3
+50	5.0		4	3
+75	5.0		4	3
2	6.0	0.7	5	3
+25	6.0	0.8	5	2
+50	8.0		7	2
+75	9.0		8	2
3	9.0		8	2
+25	7.0		6	2
+50	3.0		2	2
+75	2.0		1	2
4	2.0		1	2
+25	1.5		0	7
+50	1.5	0.8	0	7
+75	1.5		0	7

5	1.5		0	7
+25	1.5		0	7
+50	1.0		0	2
+75	1.0		0	2
6	2.5		1	7
+25	4.0		3	2
+50	4.0		4	2
+75	5.0	0.8	4	2
7	5.0	0.9	4	1
+25	5.0		4	1
+50	6.5		5	6
+75	6.5		5	6
8	7.5		6	6
+25	8.0		7	1
+50	8.5		7	6
+75	9.5		8	6
9	10.5	0.9	9	6
+25	11.0		10	1
+50	11.5		10	6
+75	12.0		11	1

10	13.0		12	1
+2.5	13.0		12	1
+5.0	13.0		12	1
+7.5	12.5		11	6
11	12.5	0.9	11	6
+2.5	12.5	1.0	11	5
+5.0	12.5		11	5
+7.5	12.5		11	5
12	13.0		12	0
+2.5	12.5		11	5
+5.0	17.0		16	0
+7.5	12.0		11	0
10	12.5	0.96 C1 = 4.1	11	5

J'

13	12.5 C1 = 4.1	0.96	11 5
+7.5	12.5	1.0	11 5
+5.0	15.5		14 5
+2.5	13.0		12 0
12	13.0	1.0	12 0
+7.5	13.0	1.1	11 9
+5.0	14.0		12 9
+2.5	14.0	1.1	12 9
11	13.5		12 4
+7.5	13.5		12 4
+5.0	13.5	1.1	12 4
+2.5	11.0	1.2	9 8
10	12.0	checked at 10 + 5 one reading to many between them's 1.2	10 8 10 8
+7.5	12.0		10 8
+5.0	11.5		10 3
9	11.0		9 8
+7.5	11.0	1.2	9 8
+5.0	10.5	1.3	9 2
+2.5	10.0		8 7
8	9.5	1.3	8 2

+75	8.5		7 2				3	9.0		7 4					
+50	8.0	1.3	6 7				+75	9.5		7 9					
+25	7.0	1.4	5 6				+50	9.5	1.6	7 9					
7	6.5		5 1				+25	6.0	1.7	4 3					
+75	6.0		4 6				2	5.0		4 3					
+50	5.5	1.4	4 1				+75	5.5		3 8					
+25	5.0		3 6				+50	5.0	1.7	3 3					
6	4.0		2 6				+25	5.0		3 3					
+75	2.5	1.4	1 1				1	3.0	1.7	1 3					
+50	2.0	1.5	0 5				+75	2.5	1.8	0 7					
+25	2.0		0 5				+50	2.5		0 7					
5	2.0		0 5				+25	2.0		0 2					
5	2.0		0 5				0	0.5	C = 4.9	1.76	7	1	3		
+75	2.0	1.5	0 5												
+50	2.0		0 5												
+25	2.0		0 5												
4	2.0	1.5	0 5												
+75	2.5	1.6	0 9												
+50	3.5		1 9												
+25	6.5	1.6	4 9												

K' C = 5.0

24' east of 00	+04	1.86	+ 2 3
00	3.5		1 6
+25	3.6	1.9	1 6
+50	3.0	2.0	1 0
+75	3.0		1 0
1	4.5	2.0	2 5
+25	5.0	2.0	3 0
+50	5.5	2.1	3 4
+75	6.0	2.1	3 9
2	6.0		3 9
+25	8.0	2.1	5 9
+50	10.0	2.2	7 8
+75	9.5	2.2	7 3
3	8.0	2.2	5 8
+25	5.0	2.3	2 7
+50	3.0	2.3	0 7
+75	3.0		0 7
4	3.0	2.3	0 7
+25	3.0	2.4	0 6
+50	2.5	2.4	0 1
+75	2.5		0 1
5	2.5	2.4	0 1
+25	3.0	2.5	0 5
+50	2.5	2.5	0 0
+75	2.5		0 0
6	3.0	2.5	0 5
+25	4.0	2.6	1 4
+50	5.5	2.6	2 9
+75	6.5	2.6	3 9
7	6.0	2.7	3 3
+25	7.0	2.7	4 3
+50	8.5		5 8
+75	9.0	2.7	6 3
8	10.0	2.8	7 2
+25	11.0	2.8	8 2
+50	11.5		8 7
+75	12.0	2.8	9 2
9	13.0	2.9	10 1
+25	13.0	2.9	10 1
+50	14.0	2.9	11 1

4 7.5	13.0	3.0	10	0
10	14.0	C1 = 2.96 3.0 6.1	11	0
+2.5	14.0	3.16 3.2 6.3	10	8
+5.0	14.0	3.2	10	8
+7.5	14.5		11	3
11	15.0		11	8
+2.5	15.5		12	3
+5.0	15.5		12	3
+7.5	16.0		12	8
12	16.0		12	8
+2.5	16.0		12	8
+5.0	15.5		12	3
+7.5	15.0	3.2	11	8
13	15.0	C16.3 3.16	11	8

L'				
13	16.5	6.3 3.16	13	3
+7.5	16.5	3.2	13	3
+5.0	16.5		13	3
+2.5	16.5		13	3
12	16.0		12	8
+7.5	16.0	3.2	12	8
+5.0	15.5	3.3	12	2
+2.5	15.5		12	2
11	15.0		11	7
+7.5	15.0		11	7
+5.0	14.5	3.3	11	2
+2.5	14.5		11	2
10	14.5		11	2
+7.5	14.5		11	2
+5.0	14.0	3.3	10	7
+2.5	13.5	3.4	10	1
9	13.5		10	1
+7.5	12.5		9	1
+5.0	12.0	3.4	8	6
+2.5	12.0		8	6

8	11.0		8 1			
+75	11.0		7 6			
+50	10.0	3.4	6 6			
+25	9.5	3.5	6 0			
7	8.5		5 0			
+75	7.5		4 0			
+50	6.0		2 5			
+25	4.5	3.5	1 5			
6	4.0		0 5			
+75	3.5		0 0			
+50	4.0		0 5			
+25	4.0	3.5	0 5			
5	4.0		0 5			
+75	4.0		0 5			
+50	4.0		0 5			
T 25	4.0	3.6	0 4			
4	4.0		0 4			
+75	4.5		0 9			
+50	4.0		0 4			
+25	6.5	3.6	2 9			

3	7.0	3.7	3 3			
+75	7.5		3 8			
+50	7.5		3 8			
+25	7.0		3 3			
2	7.0	3.7	3 3			
+75	7.5		3 8			
+50	7.0		3 3			
+25	6.5		2 8			
1	6.0	3.7	2 3			
+75	5.0		1 3			
+50	4.5		0 8			
+25	3.5		+ 0 2			
00	2.5	3.8	+ 1 3			
25 E.	2.0 C = 6.9 = 3.76		+ 1 8			

JH' G = 7.4			
13	18.0	4.26	13 7
+7.5"	18.0	4.3	13 7
+5.0	17.0		12 7
+2.5"	16.5"		12 2
12	16.5"		12 2
+7.5"	16.5"	4.3	12 2
+5.0	16.5"	4.4	12 1
+2.5"	17.0		12 6
11	16.5"		12 1
+7.5"	16.5"		12 1
+5.0	16.0		11 6
+2.5"	15.5"	4.4	11 1
10	15.5"		11 1
+7.5"	15.5"		11 1
+5.0	15.0		10 6
+2.5"	15.0	4.4	10 6
9	15.0	4.5	10 5
+7.5	14.5"		10 0
+5.0	14.0		9 5
+2.5"	13.5"		9 0
8	14.0		9 5
+7.5"	13.5"	4.5	9 0
+5.0	13.5"		9 0
+2.5"	11.5"		7 5
7	11.0		6 5
+7.5"	9.5"	4.5	5 0
+5.0	7.0	4.6	2 4
+2.5"	4.0		+0 6
6	3.5"	Cement outfall between	+1 1
+7.5"	5.0		0 4
+5.0	5.0		0 4
+2.5"	5.0	4.6	0 4
5"	5.0		0 4
+7.5"	5.0		0 4
+5.0	5.0		0 4
+2.5"	5.0	4.6	0 4
4	5.0	4.7	0 3
+7.5"	5.0		0 3
+5.0	5.0		0 3
+2.5"	7.5"		2 8

3	8.0		33
+75	8.0		33
+50	8.0	4.7	33
+25	8.0		33
2	8.0		33
+75	8.0		33
+50	8.0		33
+25	7.5	4.7	28
1	7.0	4.8	22
+75	6.5		17
+50	6.0		12
+25	5.0		02
00	4.0		+08
25 E	2.5		+23
45 E	2.5 G=7.9=4.76	4.8	+23

N' G=5.4			
N	16.5	2.26	142
+75	15.0	2.3	127
+50	14.5		122
+25	14.0		117
12	14.0		117
+75	14.0		117
+50	15.0	2.3	127
+25	14.5	2.2	123
11	14.0		118
+75	13.5		113
+50	13.5		113
+25	13.5		113
10	13.5		113
+75	13.5	2.2	113
+50	13.0		108
+25	13.0		108
9	12.5		103
+75	12.5		103
+50	12.5		103
+25	12.0	2.2	98

8	11.5	2.1	94
+75	11.0		89
+50	10.0		79
+25	10.0		79
7	9.0		69
+75	8.0		59
+50	6.5	2.1	44
+25	5.0		29
6	3.0		09
+75	2.5		04
+50	2.5		04
+25	2.0		+01
5	2.0	2.1	+01
+75	2.5	2.0	05
+50	2.5		05
+25	2.0		00
4	2.5		05
+75	2.5		05
+50	4.0		20
+25	5.0	2.0	30

3	5.0		30
+75	5.0		30
+50	5.0		30
+25	5.5		35
2	5.5		35
+75	5.0	2.0	30
+50	5.0	1.9	31
+25	5.0		31
1	5.0		31
+75	4.0		21
+50	3.5		16
+25	2.5		06
0.0	1.5		+04
25 E	0.0		+19
50 E	+0.5 C1 = 5.0	1.86	+14

0' G= 4.9			
13	13.0	1.16	13 8
+7½	13.0	1.2	12 8
+5⁰	12.5		12 3
+2½	12.5		12 3
12	13.0		11 8
+7½	13.0		11 8
+5⁰	12.5		12 3
+2½	12.5		12 3
11	13.0		11 8
+7½	12.5	1.2	11 3
+5⁰	13.0	1.1	11 9
+2½	12.5		11 4
10	12.5		11 4
+7½	12.0		11 4
+5⁰	12.5		11 4
+2½	12.5		11 4
9	12.0		10 9
+7½	12.0		10 9
+5⁰	12.0	1.1	10 9
+2½	12.0		10 9

8	10.5	1.1	9 4
+7½	11.0		9 9
+5⁰	10.5		9 4
+2½	9.5		8 4
7	8.5		7 4
+7½	8.0	1.1	6 9
+5⁰	7.0	1.0	6 0
+2½	5.5		4 5
6	4.5		3 5
+7½	3.5		2 5
+5⁰	2.5		1 5
+2½	2.0		1 0
5	1.5		0 5
+7½	1.0	1.0	0 0
+5⁰	1.0		0 0
+2½	1.0		0 0
4	1.5		0 5
+7½	2.0		1 0
+5⁰	3.5		2.5
+2½	4.5		3.5

3	4.5"		35
+75"	4.5"		35
+50	4.5"		35
+25"	4.5	1.0	35
2	4.5"	0.9	36
+75"	4.5"		36
+50	4.0		31
+25"	4.0		31
1	4.0		31
+75"	3.5"		26
+50	3.0		21
+25"	2.0		11
00	0.5"		+04
25" E	+0.5"	0.9	+14
50 E	+1.0 C=4.0	0.86	+19

P'C = 3.8

13	14.5	0.66	138
+75"	13.5"	0.7	128
+50	13.0		123
+25"	13.0		123
12	12.5"		118
+75"	12.5		118
+50	13.0		123
+25	13.0		123
11	12.5"		118
+75	13.0		123
+50	11.5"		108
+25"	12.5"		118
10	12.5"		118
+75"	12.5"		118
+50	12.5"		118
+25"	11.0		103
9	12.5"		118
+75	11.5"		108
+50	11.5"		108
+25"	11.5"		108

8	11.5⁻		10 8	
+75⁻	11.0		10 3	
+50	10.5⁻		9 8	
+25	10.0	0.7	9 3	
7	8.5⁻	0.6	7 9	
+75⁻	8.0		7 4	
+50	6.5⁻		5 9	
+25	6.0		5 4	
6	5.0		4 4	
+75⁻	4.0		3 4	
+50	3.5⁻		2 9	
+25⁻	2.5⁻		1 9	
5⁻	2.0		1 4	
+75⁻	1.5		0 9	
+50	1.0		0 4	
+25⁻	1.0		0 4	
4	2.0		1 4	
+75⁻	2.5⁻		1 9	
+50	3.5⁻		2 9	
+25⁻	4.5⁻		3 9	

3	4.5⁻		3 9
+75⁻	4.5⁻		3 9
+50	4.0		3 4
+25⁻	4.0		3 4
2	4.0		3 4
+75⁻	4.0		3 4
+50	4.0		3 4
+25⁻	4.0		3 4
1	3.5⁻		2 9
+75⁻	3.5⁻		2 9
+50	3.0		2 4
+25⁻	2.5⁻		1 9
00	0.0⁻		+ 0 1
25⁻ E	+0.5⁻		+ 1 1
50 E	+1.0		+ 1 7
75 E	+1.0 C=3.7	0.56	+ 1 7

Q' C= 4.9				
13	16.0	1.76	14	2
+75	15.0	1.8	13	2
+50	14.0		12	2
+25	14.0		12	2
12	14.0		12	2
+75	14.0		12	2
+50	14.0		12	2
+25	14.0	1.8	12	2
11	14.0	1.9	12	1
+75	14.0		12	1
+50	14.0		12	1
+25	13.5		11	6
10	15.0		13	1
+75	14.0		12	1
+50	14.0	1.9	12	1
+25	14.0		12	1
9	13.5		11	6
+75	12.5		10	6
+50	13.5		11	6
+25	13.0		11	1

8	13.0	1.9	11	1
+75	12.5	2.0	10	5
+50	12.0		10	0
+25	11.5		9	5
7	10.5		8	5
+75	9.5		7	5
+50	8.5		6	5
+25	7.5	1.9	5	5
6	7.0	2.0	5	0
+75	6.5		4	5
+50	5.5		3	5
+25	5.0		3	0
5	4.0		2	0
+75	4.0		2	0
+50	3.0		1	0
+25	3.5	2.0	1	5
4	3.0	2.1	0	9
+75	4.0		1	9
+50	5.0		2	9
+25	5.0		2	9

3	6.0		3 9
+75	6.5		4 4
+50	6.5	2.1	4 4
+25	6.0		3 9
2	5.5		3 4
+75	5.5		3 4
+50	6.0		3 9
+25	5.5		3 4
1	6.0		3 9
+75	5.0	2.2	2 8
+50	5.0		2 8
+25	4.0		1 8
00	2.5		0 3
25 E	2.0		+ 0 2
50 E	1.0		+ 1 2
75 E	0.5		+ 1 7
100 E	0.0 Cl = 5.3	2.16	+ 2 2

PC = 6.7			
13	18.0	3.56	14 4
+75	17.5	3.6	13 9
+50	16.0		12 4
+25	14.5		10 9
12	15.5		11 9
+75	16.0		12 4
+50	16.0		12 4
+25	17.0		13 4
11	17.0		13 4
+75	16.5	3.6	12 9
+50	16.5	3.7	12 8
+25	16.5		12 8
10	15.5		11 8
+75	15.5		11 8
+50	15.0		11 3
+25	15.0		11 3
9	15.0		11 3
+75	15.0	3.7	11 3
+50	15.0		11 3
+25	14.5		10.8

8	14.0	3.7	10	3
+75	14.0		10	3
+50	13.5		9	8
+25	13.0	3.7	9	3
7	12.5	3.8	8	7
+75	11.5		7	7
+50	10.5		6	7
+25	9.5		5	7
6	9.0		5	2
+75	7.0		3	2
+50	7.5		3	7
+25	7.0	3.8	3	2
5	6.5		2	7
+75	6.0		2	2
+50	6.0		2	2
+25	5.5		1	7
4	6.0		2	2
+75	6.0		2	2
+50	6.0	3.8	2	2
+25	6.5	3.9	2	6

3	6.5	3.9	2	6
+75	7.0		3	1
+50	7.5		3	6
+25	7.5		3	6
2	7.0	3.9	3	1
1+92=	7.5	3.86 C1 = 7.0	3	6

S' C = 7.4

13	20.0	4.26	15	7
+7.5	19.5	4.3	15	2
+5.0	19.0		14	7
+2.5	18.0		13	7
12	15.0		10	7
+7.5	16.0		11	7
+5.0	16.5		12	2
+2.5	17.0		12	7
11	16.5		12	2
+7.5	16.5		12	2
+5.0	16.5		12	2
+2.5	16.5	4.3	12	2
10	16.5	4.4	12	1
+7.5	17.0		12	6
+5.0	17.0		12	6
+2.5	16.5		12	1
9	16.5		12	1
+7.5	16.0		11	6
+5.0	16.0		11	6
+2.5	16.0		11	6

8	15.5		11	1
+7.5	15.5	4.4	11	1
+5.0	15.0		10	6
+2.5	14.5		10	1
7	14.0		9	6
+7.5	13.0		8	6
+5.0	12.5		8	1
+2.5	11.5		7	1
6	10.5		6	1
+7.5	10.0		5	6
+5.0	9.5		5	1
+2.5	8.0		3	6
5	8.0	4.4	3	6
+7.5	7.5	4.5	3	0
+5.0	7.5		3	0
+2.5	7.5		3	0
4	7.5		3	0
+7.5	7.0		2	5
+5.0	7.5		3	0
+2.5	7.5		3	0

						T' G = 4.5					
3	8.0		3 5			13	18.0	1.36	16 6		
+75	8.0		3 5			+75	17.0	1.4	15 6		
+50	8.0	4.5	3 5			+50	16.5		15 1		
2 +30	9.0 G = 7.6	4.46	4 5			+25	16.0		14 6		
						12	15.5		14 1		
						+75	13.5		12 1		
						+50	13.5		12 1		
						+25	14.0		12 6		
						11	14.0		12 6		
						+75	14.0		12 6		
						+50	14.0		12 6		
						+25	14.0		12 6		
						10	12.5		12 1		
						+75	14.0		12 6		
						+50	14.0		12 6		
						+25	14.0		12 6		
						9	13.5		12 1		
						+75	13.5		12 1		
						+50	13.0		11 6		
						+25	13.0		11 6		

8	12.5	1.4	11 1			U' C= 5.4			
+75	12.5		11 1			23	21.0	2.26	18 7
+50	12.0		10 6			+75	20.0	2.3	17.7
+25	10.5		9 1			+50	19.0		16 7
7	11.0		9 6			+25	18.0		15 7
+75	11.0		9 6			12	17.0		14 7
+50	10.0		8 6			+75	16.5		14.2
+25	9.5		8 1			+50	16.0		13 7
6	8.5		7 1			+25	15.5		13 2
+75	7.5		6 1			11	15.5		13 2
+50	6.5		5 1			+75	15.5	2.3	13 2
+25	6.0		4 6			+50	15.0	2.4	12 6
5	5.0		3 6			+25	15.0		12 6
+75	5.0		3 6			10	15.0		12 6
+50	4.5		3 1			+75	15.0		12 6
+25	4.5		3 1			+50	15.0		12 6
4	4.5		3 1			+25	15.0		12 6
+75	4.5		3 1			9	14.5		12 1
+50	4.5		3 1			+75	14.5		12 1
+25	5.0		3 6			+50	14.5		12 1
3	5.0	1.A	3 6			+25	14.5		12 1
2+74	5.0 C= 4.5	1.36	3 6						

	14.0	2.4	11	6
	13.5⁻		11	1
+5⁻0	13.5⁻		11	1
+2.5⁻	13.0		10	6
7	12.5⁻		10	1
+7.5⁻	12.0		9	6
+5⁻0	11.5⁻		9	1
+2.5⁻	11.0		8	6
6	10.5⁻		8	1
+7.5⁻	9.5⁻	2.4	7	1
+5⁻0	9.5⁻	2.5	7	0
+2.5⁻	7.5⁻		5	0
5⁻	7.0		4	5
+7.5⁻	6.5⁻		4	0
+5⁻0	6.0		3	5
+2.5⁻	6.0		3	5
4	6.0		3	5
+7.5⁻	5.5⁻		3	0
+5⁻0	6.0		3	5
+2.5⁻	6.0	2.5	3	5
3+14⁻	6.0 C=5.6	2.46	3	5

V' G=7.4

13	20.0⁻	4.26	19	2
+7.5⁻	22.0	4.3	17	7
+5⁻0	21.5⁻		17	2
+2.5⁻	20.5⁻		16	2
12	20.0		15	7
+7.5⁻	19.0		14	7
+5⁻0	18.5⁻	4.3	14	2
+2.5⁻	18.0	4.2	13	8
11	18.0		13	8
+7.5⁻	17.0		12	8
+5⁻0	17.0		12	8
+2.5⁻	16.5⁻		12	3
10	17.0	4.2	12	8
+7.5⁻	17.0		12	8
+5⁻0	17.0		12	8
+2.5⁻	17.0		12	8
9	16.5⁻		12	3
+7.5⁻	16.5⁻		12	3
+5⁻0	16.5⁻		12	3
+2.5⁻	16.0	42	11	8

8	16.0	4.1	11	9
+7½	16.0		11	9
+5	15.5		11	4
+2½	15.0		10	9
7	14.5		10	4
+7½	14.0	4.1	9	9
+5	13.5		9	4
+2½	13.0		8	9
6	12.5		8	4
+7½	12.5		8	4
+5	10.5		6	4
+2½	10.5	4.1	6	4
5	9.5	4.0	5	5
+7½	9.0		5	0
+5	8.0		4	0
+2½	7.5		3	5
4	7.0		3	0
+7½	7.0		3	0
3+56	8.0	C= 7.1=3.96	4	0

W.C = 7.0

3+96	8.0	3.86	4	1
4	8.0		4	1
+2½	8.0		4	1
+5	8.5		4	6
+7½	9.0	3.9	5	1
5	9.5	3.8	5	7
+2½	10.5		6	7
+5	11.5		7	7
+7½	13.0		9	2
6	13.0	3.8	9	2
+2½	13.0		9	2
+5	14.0		10	2
+7½	14.0	3.8	10	2
7	14.5	3.7	10	8
+2½	15.0		11	3
+5	15.0		11	3
+7½	16.0	3.7	12	3
8	16.0		12	3
+2½	16.0		12	3
+5	16.0	3.7	12	3

7.5	16.5	3.6	12	9
9	16.5		12	9
9.25	16.5		12	9
9.50	16.5	3.6	12	9
9.75	16.5		12	9
10	17.0		13	4
10.25	17.0	3.6	13	4
10.50	17.5	3.5	14	0
10.75	17.5		14	0
11	18.5		15	0
11.25	19.0	3.5	15	5
11.50	20.0		16	5
11.75	20.5		17	0
12	21.0	3.5	17	5
12.25	22.0	3.4	18	6
12.50	23.0		19	6
12.75	24.0		20	6
13	25.0	3.36	21	6

X' G = 6.5

13	25.0	3.36	21	6
12.75	24.5	3.4	21	1
12.50	23.0		19	6
12.25	22.0		18	6
12	21.5		18	1
11.75	20.5	3.4	17	1
11.50	20.0	3.3	16	7
11.25	21.0		17	7
11	18.5		15	2
10.75	18.0		14	7
10.50	17.5		14	2
10.25	17.0		13	7
10	16.5	3.3	13	2
9.75	16.5		13	2
9.50	16.5		13	2
9.25	16.5		13	2
9	16.0		12	7
8.75	16.0		12	7
8.50	16.0	3.3	12	7
8.25	15.5	3.2	12	3

8	15.5	3.2	12	3
+75	15.5		12	3
+50	15.5		12	3
+25	15.5		12	3
7	15.0	3.2	11	8
+75	14.5		11	3
+50	14.0		10	8
+25	14.0		10	8
6	13.5		10	3
+75	12.5		9	3
+50	12.0	3.2	8	8
+25	11.0	3.1	7	9
5	11.0		7	9
+75	10.5		7	4
+50	8.0		5	9
+25	8.0		4	9
4 + 19 =	4+36= 8.0	C1 = 6.2 = 3.06	4	9

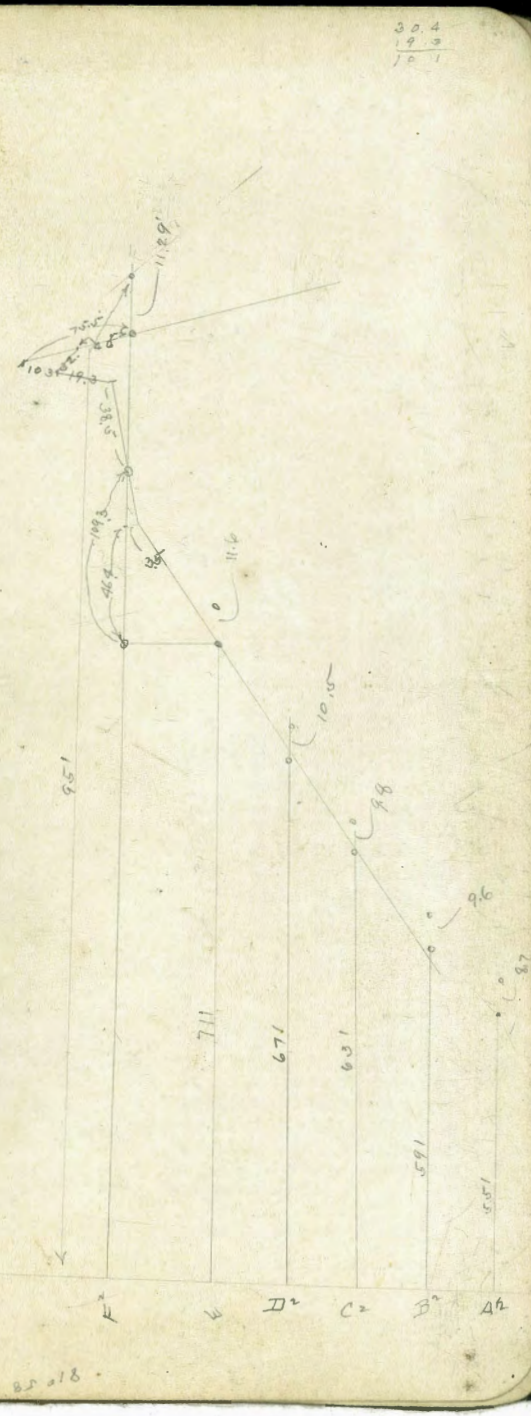
y' C1 = 5.9				
13	25.0	2.76	22	2
+75	25.0	2.8	22	2
+50	24.0		21	2
+25	23.5		20	7
12	21.0	2.8	18	2
+75	20.0	2.7	17	3
+50	19.5		16	8
+25	19.0		16	3
11	18.5		15	8
+75	17.5	2.7	14	8
+50	17.5		14	8
+25	17.0		14	3
10	16.5		13	8
+75	16.0	2.7	13	3
+50	16.0	2.6	13	4
+25	16.0		13	4
9	15.5		12	9
+75	15.0	2.6	12	9
+50	15.0		12	4
+25	15.0		12	4

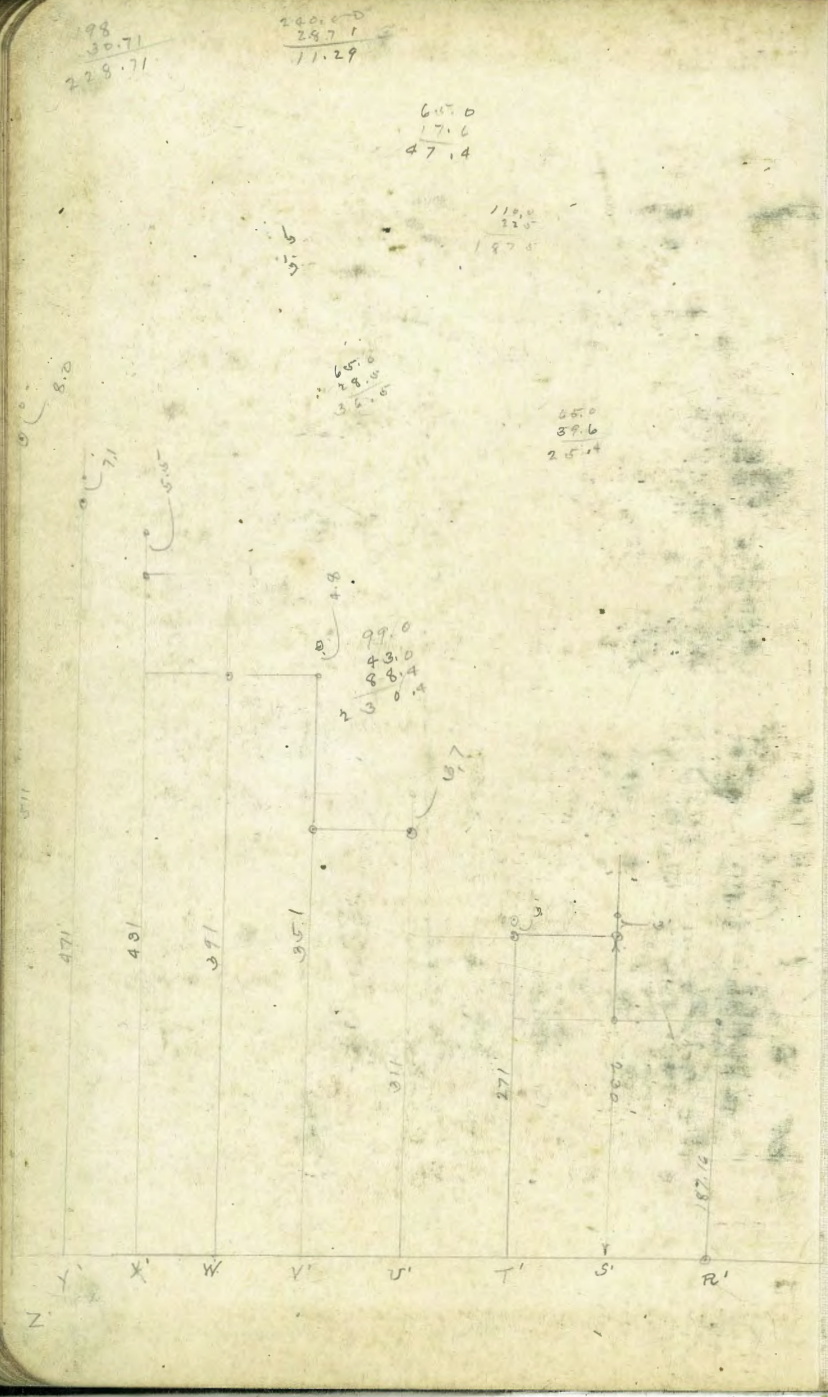
8	15.0		12	4
+75	15.0	2.6	12	4
+50	15.0	2.5	12	5
+25	14.5		12	0
7	14.0		11	5
+75	14.0	2.5	11	5
+50	13.5		11	0
+25	13.0		10	5
6	12.5		10	0
+75	12.0	2.5	9	5
+50	12.0	2.4	9	6
+25	11.0		8	6
5	10.5		8	1
+78	10.5	2.36 G=5.5	8	1

2'				
12	25.0	2.06 G 5.2	22	9
+75	25.0		22	9
+50	25.5		22	4
+25	24.5		22	4
12	23.0		20	9
+75	21.5		19	4
+50	21.0	2.1	18	9
+25	20.0		17	9
11	19.0	2.1	16	9
+75	18.0	2.0	16	0
+50	18.0		16	0
+25	18.0		16	0
10	17.0		15	0
+75	16.5		14	5
+50	16.0		14	0
+25	16.0		14	0
9	16.0		14	0
T75	15.0	2.0	13	0
+50	15.0		13	0
+25	15.0		13	0

8	15.0		13 0
+75	15.0		13 0
+50	15.0		13 0
+25	15.0		13 0
7	15.0	2.0	13 0
+75	14.0	1.9	12 1
+50	14.0		12 1
+25	14.0		12 1
6	13.0		11 1
+75	13.0		11 1
+50	12.5		10 6
+25	12.0	1.9	10 1
5+19	12.0 C= 5.0	1.86	10 1

See Book 10/5





DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 14 FEET WIDE. SIDE SLOPES 1½ TO 1.

FOR SINGLE TRACK EMBANKMENT.

	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	26
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.