

1242

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81
2784.03
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Index included bpp 80 7/14/20 H.H.

54 th Adams	Plotted to Collier	Page 1
Collier	Plotted Not Linked 54 th 844' West	8
No 1 st	Collier South	15
No 2 st	Collier South	19
Collier	Plotted 54 th 55 th	24
Alley Blk 184 Univ. Hts.	Lincoln to Richmond	34
" " 2. Frary Hts		44
Cooper Ave. Cent from Book 1225		46
Alley Blk. 184 Univ. Hts.		45
X Sec. Kalmia		53
X Sec Maple W.L. Vancouver		
to Haller		61-67
X Sec Boundary st.		68-77
Grade stakes Alley		
Valle Vista Terrace		78

Miller
Kearney
Shank = 100
3-12-20

Gross Section 5415 of 501101
from Adams to Collier
Plotted

10' cks
7.5' as

See

Book 1241
Page 64

S. W. B.M.
Adams + Collier

191 422.13 417.22

5' South S.W. Adams

E 8.6 413.53
cb 8.9 413.23
7 9.0 413.13
8 9.3 412.83
2 9.6 412.53
cb 9.6 412.53
W 9.8 412.53
+5 9.9 412.23

S.W. Adams

W-5 9.9 412.23
W 9.6 412.53
cb 9.3 412.83
7 9.5 412.63
8 9.2 412.93
7 9.6 413.53
cb 8.5 413.63
E 8.0 414.13

South cb

E 7.9 414.23
cb 8.3 413.83
7 8.5 413.63
8 8.5 413.63
7 8.8 413.33

422.13

FB 1284 P 43 for 60' Street

1

cb 86 413.53
W 87 413.43
+5 88 413.33
South 7
-5 89 413.73
W 83 413.83
cb on Pav 83 413.83
7 " " 82 413.93
8 " " 81 414.03
7 " " 80 414.13
cb " " 79 414.23
E " " 78 414.33

S. Adams

E on Pav 75 414.63
cb " " 77 414.43
7 " " 79 414.23
8 " " 80 414.13
7 " " 81 414.03
cb " " 82 413.93
+5 78 414.33
W 80 414.13

N 7

W 7.7 414.43
cb on Pav 8.0 414.13
7 " " 8.0 414.13
8 " " 7.9 414.23

42213

1/2 on Pav	77	414.43
cb " "	77	414.43
E " "	75	414.63
Ncb		
E	74	414.73
cb	76	414.53
1/4	77	414.43
1/2	77	414.43
1/4	78	414.33
+4	80	414.13
cb	76	414.53
W	75	414.63
N6 Adams = 0+00		
W	73	414.83
cb	74	414.73
+4	78	414.33
1/4	76	414.53
1/2	74	414.73
1/4	75	414.63
75	78	414.33
cb	75	414.63
+3	66	415.53
E	65	415.63
0+06 = 1/2 Palm tree on W 4' Back	72	414.93
+25 = " " " " " "	68	415.33
+15 = " Plumbosa Palm on E 5' Back	62	415.93

42213

5416 St

2

0+46 = 1/2 Plumbosa Palm Tree on E 5' Back	57	416.13
+78 = " " " " " "	52	416.93
1+09 = " " " " " "	54	416.73
+41 = " " " " " "	51	417.03
+73 = " " " " " "	48	417.33
2+04 = " " " " " "	51	417.03
+36 = " " " " " "	52	416.93
0+37 = 1/2 Loc. Drive on West		
E	59	416.23
+7	61	416.03
cb	71	415.03
1/4	69	415.23
1/2	69	415.23
1/4	71	415.03
+7 = toe of Apron	701	415.11
cb on "	690	415.23
+3 = " Drive - Bk	643	415.70
W	644	415.69
0+70		
W	62	415.93
+7	62	415.93
cb	68	415.33
1/4	67	415.43
1/2	64	415.73
1/4	65	415.63
cb	66	415.53

422.13

+1	65	415.63
+2	58	416.33
E	54	416.73
	1700	
E	57	416.43
+7	57	416.43
+8	61	416.03
cb	64	415.73
$\frac{1}{4}$	63	415.83
$\frac{1}{2}$	62	415.93
$\frac{1}{4}$	64	415.73
cb	66	415.53
+1	65	415.63
+2	59	416.23
W	60	416.13
	1750	
W	60	416.13
+8	60	416.13
cb	64	415.73
+1	65	415.63
$\frac{1}{4}$	63	415.83
E	61	416.03
$\frac{1}{4}$	61	416.03
cb	62	415.93
+1	60	416.13
+2	56	416.53

422.13

54th St.

3

E	50	417.13
	2400	
E	55	416.63
+8	57	416.43
cb	62	415.93
$\frac{1}{4}$	61	416.03
$\frac{1}{2}$	60	416.13
$\frac{1}{4}$	63	415.83
+6	63	415.83
cb	61	416.03
+1	58	416.33
W	58	416.33
	2450 = ^{sk. collar} S. E. Bryden St. 10' wide 5'6" 75'05	
W	60	416.13
+7	60	416.13
+8	62	415.93
cb	61	415.73
$\frac{1}{4}$	64	415.73
$\frac{1}{2}$	61	416.03
$\frac{1}{4}$	64	415.73
cb	65	415.63
+7	58	416.33
E	55	416.53
	5cb	
E	65	415.63
cb	66	415.53

42213

i	64	415.73
L	63	415.83
a	64	415.73
cb	66	415.53
X	64	415.73
	S $\frac{1}{4}$	
W	66	415.53
cb	66	415.53
$\frac{1}{2}$	64	415.73
L	63	415.83
$\frac{1}{2}$	64	415.73
cb	65	415.63
E	66	415.53
	d	
E	66	415.53
cb	64	415.73
$\frac{1}{2}$	64	415.73
L	64	415.73
$\frac{1}{2}$	66	415.53
cb	66	415.53
W	67	415.43
	N $\frac{1}{2}$	
W	68	415.33
cb	68	415.33
$\frac{1}{2}$	65	415.63
L	64	415.73

42213 5413 S

4

i	64	415.73
cb	66	415.53
E	67	415.43
	N cb	
E	67	415.43
cb	68	415.33
$\frac{1}{2}$	67	415.43
L	65	415.63
$\frac{1}{2}$	66	415.53
cb	68	415.33
Y	68	415.33
	N cb + 2'	
W	62	415.93
+8	64	415.73
cb	70	415.13
$\frac{1}{2}$	67	415.43
L	65	415.63
$\frac{1}{2}$	67	415.43
cb	68	415.33
+4	68	415.33
+5	60	416.13
E	58	416.33
	NL Collier = 0100	
E	59	416.23
+7	63	415.83
+9	68	415.33

422.13

cb.		69	415.23
$\frac{1}{2}$		67	415.43
2		65	415.63
$\frac{1}{2}$		68	415.33
+6		70	415.13
cb.		68	415.33
+2		62	415.93
W		63	415.83
T.P.	0.62 418.07	468	417.45
	0.150		
W		27	415.37
+8		28	415.27
cb.		35	414.57
$\frac{1}{2}$		35	414.57
2		33	414.77
$\frac{1}{2}$		35	414.57
cb.		36	414.47
+2		30	415.07
E		29	415.17
	1.00		
-5		50	413.07
E		48	413.27
cb.		49	413.17
$\frac{1}{2}$		48	413.27
2		45	413.57
$\frac{1}{2}$		46	413.47

ONE NOTE IN FILE
SPY. COLLIER
+544

418.07

54TH ST.

5

cb.		49	413.17
+2		36	414.47
W		33	414.77
	1.50		
W		46	413.47
+5		50	413.07
+7		55	412.57
cb.		64	411.67
$\frac{1}{2}$		63	411.77
2		61	411.97
$\frac{1}{2}$		62	411.87
cb.		63	411.77
E		62	411.87
+5		63	411.77
	1.59		
-5		64	411.67
E		63	411.77
cb.		65	411.57
$\frac{1}{2}$		63	411.77
2		63	411.77
$\frac{1}{2}$		65	411.57
cb.		66	411.47
+3		63	411.77
+5		57	412.37
W		50	413.07
	1.63.87 = S. Collier St. as Measured.	5' 45"	

cb3

418.07

N	60	412.07
+5	67	411.37
cb.	67	411.37
i	66	411.47
L	64	411.67
i	64	411.67
cb.	66	411.47
E	66	411.47
+5	66	411.47
	u cb	
-5	70	411.07
E	69	411.17
cb.	68	411.27
i	66	411.47
L	65	411.57
i	67	411.37
cb.	66	411.47
N	67	411.37
	S i	
N	66	411.47
cb.	68	411.27
i	67	411.37
L	67	411.37
i	67	411.37
cb.	70	411.07
E	71	410.97

418.07

54TH ST

6

+5	72	410.87
	d	
-5	74	410.67
E	73	410.77
cb.	71	410.97
i	68	411.27
L	67	411.37
i	68	411.27
cb.	69	411.17
N	67	411.37
	N i	
N	68	411.27
cb.	70	411.07
i	69	411.17
L	69	411.17
i	70	411.07
cb.	71	410.97
E	74	410.67
+5	77	410.37
	N cb	
-5	81	409.97
E	78	410.27
cb.	74	410.67
i	74	410.67
L	72	410.87
i	70	411.07

418.07

cb.	71	410.97
W	70	411.07
N.6. Collier		
W	68	411.27
cb.	72	410.87
$\frac{1}{2}$	73	410.77
$\frac{1}{2}$	74	410.67
$\frac{1}{2}$	75	410.57
cb	76	410.47
E	80	410.07
+10	8.8	409.27

15' N N.6. Collier on West

-10	10.5	407.57
-5	28	408.27
E	71	408.97
cb.	81	409.97
$\frac{1}{2}$	79	410.17
$\frac{1}{2}$	79	410.17
$\frac{1}{2}$	77	410.37
cb	76	410.47
W	75	410.57

54th St

7

Water
 Polymer = 1
 Shear = cb.
 Moist = Root

Cross Section Collier st. 30' wide 5' cb
 From 54th st. West. 5' as
 Plotted Not inked.

418.07

8

418.07 = T from Page 7

0+00 = yr. 54th

-5	7.1	412.97
N	6.8	411.27
cb.	2.0	411.07
$\frac{1}{2}$	6.8	411.27
L	6.7	411.37
$\frac{1}{2}$	6.6	411.47
cb.	6.7	411.37
S	6.0	412.07
0+50		
-5	4.1	413.97
S	4.6	413.47
+2	5.5	412.57
cb.	5.6	412.47
$\frac{1}{2}$	5.3	412.77
L	5.3	412.77
$\frac{1}{2}$	5.4	412.67
cb.	5.6	412.47
N	5.8	412.27
W	4.9	413.17
+5	5.0	413.07
1+00		
-5	3.9	414.17
N	4.9	413.17

cb.	4.7	413.37
$\frac{1}{2}$	4.6	413.47
L	4.6	413.47
$\frac{1}{2}$	4.5	413.57
cb.	4.7	413.37
S	4.7	413.37
+5	3.8	414.27
1+50		
-5	4.1	413.97
S	4.1	413.97
+1	4.9	413.17
cb.	4.8	413.27
$\frac{1}{2}$	4.6	413.47
L	4.6	413.47
$\frac{1}{2}$	4.6	413.47
cb.	4.8	413.27
N	4.8	413.27
+5	4.2	413.87
2+00		
-5	5.0	413.07
N	5.3	412.77
cb.	5.1	412.97
$\frac{1}{2}$	5.0	413.07
L	4.9	413.17
$\frac{1}{2}$	4.9	413.17
cb.	5.0	413.07

41526

-5	14	413.86
S	18	413.46
+1	24	412.86
cb	25	412.76
$\frac{1}{4}$	23	412.96
$\frac{1}{4}$	23	412.96
$\frac{1}{4}$	23	412.96
cb	24	412.86
N	23	412.96
3+10 = N/L N ^o 1 st.		
N	20	413.26
+2	26	412.66
cb.	26	412.66
$\frac{1}{4}$	24	412.86
$\frac{1}{4}$	23	412.96
$\frac{1}{4}$	22	413.06
cb	24	412.86
+4	25	412.76
S	25	412.76
+5	17	413.56
3+50		
-5	23	412.96
S	24	412.86
+1	30	412.26
cb	31	412.16
$\frac{1}{4}$	29	412.36

415.26

Carrier st.

10

2	27	412.56
$\frac{1}{4}$	29	412.36
cb.	32	412.06
N	31	412.16
+5	23	412.96
4+00		
-5	23	412.96
N	34	411.86
+1	40	411.26
cb.	38	411.46
$\frac{1}{4}$	35	411.76
$\frac{1}{4}$	35	411.76
$\frac{1}{4}$	35	411.76
cb.	37	411.56
+4	37	411.56
S	32	412.06
+5	28	412.46
4+50		
-5	35	411.76
S	39	411.36
+1	46	410.66
cb.	45	410.76
$\frac{1}{4}$	42	411.06
$\frac{1}{4}$	40	411.26
$\frac{1}{4}$	41	411.16
cb.	43	410.96

41524

N	45	410.76
+5	36	411.86
5+00		
-5	39	411.36
N	49	410.36
+5	58	409.46
cb.	56	409.66
$\frac{1}{2}$	50	410.26
$\frac{1}{2}$	51	410.16
$\frac{1}{2}$	52	410.06
cb.	54	409.86
S	53	409.96
+5	45	410.76
5+30		
-5	56	409.66
S	64	408.86
cb.	65	408.76
$\frac{1}{2}$	63	408.96
$\frac{1}{2}$	62	409.06
$\frac{1}{2}$	62	409.06
cb.	63	408.96
+1	64	408.86
+3	68	408.46
+4	68	408.46
N	58	409.46
+5	48	410.46

41526

Collier St

11

5+60 = E. H. N ^o 2 st. 40' wide		
N	64	408.86
+2	74	407.86
cb.	77	407.56
$\frac{1}{2}$	76	407.66
$\frac{1}{2}$	77	407.56
$\frac{1}{4}$	76	407.66
cb.	78	407.46
S	80	407.26
+5	81	407.16
5+65		
-5	82	407.06
S	82	407.06
cb.	80	407.26
$\frac{1}{2}$	78	407.46
$\frac{1}{2}$	78	407.46
$\frac{1}{2}$	78	407.46
cb.	78	407.46
N	78	407.46
5+80 = E. H. N ^o 2 Street		
N	79	407.36
cb.	80	407.26
$\frac{1}{2}$	81	407.16
$\frac{1}{2}$	82	407.06
$\frac{1}{2}$	81	407.16
cb.	81	407.16

41526

S	82	407.06
+5	82	407.06
5+95		
-5	90	406.26
S	86	406.66
cb	86	406.66
$\frac{1}{2}$	87	406.56
$\frac{1}{2}$	85	406.76
$\frac{1}{4}$	85	406.76
cb	83	406.96
N	87	406.56
6+00 = 116 N ^o 2 sheet		
N	95	405.76
cb	94	405.86
$\frac{1}{2}$	90	406.26
$\frac{1}{2}$	90	406.26
$\frac{1}{2}$	89	406.36
+1	114	403.86
+2	114	403.86
$\frac{1}{4}$	91	406.16
cb	89	406.36
S	93	405.96
+5	93	405.96
6+10		
-10	131	402.16
-6	127	402.56

41526

Other st.

12

S-5	139	401.36
S	136	401.66
+2	123	402.96
cb	120	403.26
$\frac{1}{2}$	107	404.56
$\frac{1}{2}$	103	404.96
$\frac{1}{4}$	107	404.56
cb	109	404.36
N	107	404.56
+5	102	405.06
6+30		
T.P.	028 403.49	1235 402.91
-10	14	401.79
N	20	401.19
cb	25	400.69
$\frac{1}{4}$	32	399.99
$\frac{1}{2}$	37	399.49
$\frac{1}{4}$	44	398.79
cb	51	398.09
S	56	397.59
+25	77	395.29
6+60		
-25	130	390.19
S	104	392.79
cb	97	393.49
$\frac{1}{4}$	88	394.39

40319

2		79	395.29	
2		21	396.09	
cb.		67	396.49	
N		64	396.79	
+10		51	398.09	
	7+00			
-10		102	392.99	
N.		115	391.69	
cb.		123	390.89	
2		124	390.79	
2		131	390.09	
2		135	389.69	
cb.		142	388.99	
S		144	388.79	
+25		174	385.19	
T.P.	118	391.24	1302	390.16
	7+40			
-25		104	380.94	
S		78	383.54	
cb.		73	384.04	
2		67	384.64	
2		63	385.04	
2		59	385.44	
cb.		53	386.04	
N		47	386.64	
+10		34	387.94	

39134 Collier St.

13

				7+70			
				-10	7.7	383.64	
				N	8.4	382.94	
				cb.	9.1	382.24	
				2	9.6	381.74	
				2	10.0	381.34	
				2	10.4	380.94	
				cb.	10.8	380.54	
				S	11.4	379.94	
				+25	14.5	376.84	
							8+00
				-25	20.4	370.94	
				S	17.0	374.34	
				cb.	15.9	375.44	
				2	15.2	376.14	
				2	14.7	376.64	
				2	14.4	376.94	
				cb.	14.1	377.24	
				N	13.7	377.64	
				+10	12.8	378.54	
							8+44 = End.
				-10	21.2	370.14	
				N	21.8	369.54	
				cb.	22.4	368.94	
				2	22.6	368.74	
				2	23.1	368.24	

391.34

Collier St

14

1/4 234 367.94

cb. 242 367.14

S. 248 366.54

+25 30.0 361.34

T.P. 11.59 402.78 0.15 391.19

T.P. 11.57 413.82 0.53 402.25

T.P. 6.99 420.14 0.67 413.15

Chk on sum. on Collier + S.H.S. Page 5 2.70 417.44

Adams + Hanson Pl. 2.95 417.19

417.22 = 817
0.03

on Rock 113 Road
Page 9

Water
 Rippling
 Shaded = 100
 5-18-20

Cross Section No 1 St 40' wide ^{5' cbs} 7.5' 7.5
 From N.W. Corner st. North
 See sketch Page 9

418.22

506 418.22 418.16 ^{TPOD rock} Page 9

0+00 = N.W. Corner

F	4.8	413.42
cb.	5.7	413.02
1/4	5.3	412.92
1/4	5.1	413.12
1/4	5.3	412.92
cb.	5.3	412.92
W	4.9	413.32
0+50		
W	5.2	413.02
cb.	5.0	413.22
+2	5.6	412.62
1/4	5.4	412.82
1/4	5.2	413.02
1/4	5.2	413.02
cb.	5.2	413.02
+1	4.7	413.52
F	4.7	413.52
1+00		
F	4.5	413.72
+4	4.6	413.62
cb.	4.9	413.32
1/4	4.9	413.32
1/4	4.9	413.32

1/4
+5
cb
W
W
cb.
+1
1/4
1/4
cb.
+1
F
F
cb.
1/4
1/4
1/4
1/4
+5
cb.
W
W
+4

1+50

2+00

2+30

5.1	413.12
5.4	412.82
4.6	413.62
4.6	413.62
4.6	413.62
4.6	413.62
4.7	413.52
5.5	412.72
5.2	413.02
4.9	413.32
5.0	413.22
4.9	413.32
4.5	413.72
4.6	413.62
2+00	
5.1	413.12
5.4	412.82
5.4	412.82
5.4	412.82
5.5	412.72
5.6	412.62
4.8	413.42
4.8	413.42
2+30	
4.3	413.92
4.5	413.72

41822

cb	57	412.52
i	57	412.52
2	56	412.62
i	54	412.82
cb.	56	412.62
E	51	413.12
		2+60
E	57	412.52
+4	57	412.52
cb.	60	412.22
i	61	412.12
2	61	412.12
i	63	411.92
+6	63	411.92
cb	57	412.52
W	53	412.92
		3+00
W	55	412.72
cb	58	412.42
+1	60	411.42
i	70	411.22
2	68	411.42
i	71	411.12
cb	73	410.92
+2	69	411.32
E	69	411.32

41822

No 1 St.
X. Section

16

		3+35
5-10	91	409.12
E	81	410.12
cb.	78	410.42
i	78	410.42
2	76	410.62
i	76	410.62
+5	76	410.62
cb.	67	411.52
W	65	411.72
		3+65
W	69	411.32
cb.	70	411.22
+2	79	410.32
i	79	410.32
2	80	410.22
i	82	410.02
cb.	82	410.02
E	86	409.62
+10	105	407.72
		4+00
-15	135	404.72
E	103	407.92
cb.	94	408.82
i	91	409.12
2	88	409.42

$\frac{1}{2}$		8.6	409.62
+5		8.5	409.72
cb.		7.8	410.42
W		7.6	410.62
	4+25		
W		8.3	409.92
cb.		8.6	409.62
+1		9.3	408.92
$\frac{1}{7}$		9.7	408.52
$\frac{1}{6}$		9.7	408.52
$\frac{1}{4}$		10.0	408.22
+4		10.5	407.72
cb.		11.2	407.02
E		12.3	405.92
+15		14.6	403.62
	4+50		
-15		17.4	400.82
E		14.3	403.92
cb.		12.5	405.72
+3		11.6	406.62
$\frac{1}{2}$		10.9	407.32
$\frac{1}{6}$		10.5	407.72
$\frac{1}{4}$		10.1	408.12
+5		9.7	408.52
cb.		8.9	409.32
W		8.6	409.62

4+75

W		9.7	408.52
cb.		10.1	408.12
+2		10.9	407.32
$\frac{1}{4}$		11.2	407.02
$\frac{1}{6}$		11.7	406.52
$\frac{1}{4}$		12.0	406.22
+4		13.2	405.02
cb.		15.2	403.02
E		16.4	401.84
7 15		21.5	396.72
	Section at Pt. D to No 1 st		
	4+97.26 = Subdivision line on East		
-15		24.7	393.52
E		20.0	398.22
cb.		17.6	400.62
$\frac{1}{4}$		18.5	401.72
$\frac{1}{2}$		12.5	405.72
$\frac{1}{2}$		12.4	405.82
cb.		12.0	406.22
W		11.2	407.02
	Section at Pt. D to No 1 st		
	5+24.87 = Sec. A		
W		13.6	404.62
cb.		13.6	404.62
$\frac{1}{4}$		14.3	403.92
+3		14.3	403.92
$\frac{1}{6}$		15.9	402.32

418.22

No 1 st.
7. Section

18

$\frac{1}{4}$	20.7	397.52
cb.	23.2	395.02
E	24.6	393.62
+25	29.5	388.72
5 + 52.48 = Sec 8 Section of Δ to No 1 st		
-25	38.2	380.02
E	27.3	390.92
cb.	27.0	391.22
+5	26.5	391.72
$\frac{1}{4}$	25.5	392.72
$\frac{1}{2}$	24.0	394.22
$\frac{1}{4}$	20.9	397.32
+2	20.0	398.22
cb.	18.1	400.12
$\frac{1}{2}$	16.9	401.32
+10	15.4	402.82

Melvin
Rohlfing
Shaw
Dunn
3-13-28

Cross Section No 2 St. 40' wide
From N.W. Corner St. North
(See sketch Page 9)
5' cbs
7.5' ± S

41483

19

				T.P. on Rock Page 9
5.06	41822		41316	
T.P.	2.45	41483	5.84	41238
	0+00 = N.W. Corner			
E		60		408.83
+4		62		408.63
cb		74		407.43
$\frac{1}{2}$		75		407.33
$\frac{1}{4}$		74		407.43
$\frac{1}{4}$		77		407.13
cb		82		406.63
X		89		405.93
+10		10.1		404.73
	0+50			
-5		69		407.93
X		65		408.33
+4		67		408.13
cb		73		407.53
$\frac{1}{2}$		69		407.93
$\frac{1}{4}$		67		408.13
$\frac{1}{4}$		66		408.23
cb		68		408.13
+2		53		409.53
E		50		409.53
	+00			
E		47		410.13

+3	49	409.93
cb	61	408.73
$\frac{1}{2}$	61	408.73
$\frac{1}{4}$	63	408.53
$\frac{1}{4}$	64	408.43
+6	68	408.03
cb	67	408.63
X	63	408.53
+5	63	408.53
	1+50	
-5	65	408.33
X	65	408.33
+4	64	408.43
cb	69	407.93
$\frac{1}{2}$	63	408.53
$\frac{1}{4}$	60	408.83
$\frac{1}{4}$	61	408.73
cb	62	408.63
+1	51	409.73
E	48	410.03
	2+00	
E	48	410.03
+4	53	409.53
cb	58	409.03
$\frac{1}{4}$	59	408.93
$\frac{1}{4}$	58	409.03

21483

1/2	6.1	408.73
cb.	6.5	408.33
+1	6.2	408.63
Y	6.4	408.43
+5	6.5	408.33

2+50

Y	5.7	409.13
+4	5.8	409.03
cb.	6.3	408.53
1/4	5.8	409.03
1/2	5.4	409.43
1/4	5.5	409.33
+6	5.3	409.53
cb.	4.6	410.23
E	4.2	410.63

3+00

E	4.0	410.83
+4	4.3	410.53
cb.	5.2	409.63
1/4	5.2	409.63
1/2	5.1	409.73
1/4	5.5	409.33
+6	6.0	408.83
cb.	5.4	409.43
Y	5.3	409.53

3+55

41483

No 2 st.

X. Section

20

Y	5.0	409.83
+3	5.0	409.83
cb.	5.7	409.13
1/4	5.2	409.63
1/2	5.0	409.83
1/4	5.0	409.83
+6	5.0	409.83
cb.	4.1	410.73
E	4.0	410.83

3+95

E	3.8	411.03
+4	4.0	410.83
cb.	4.7	410.13
1/4	4.8	410.03
1/2	4.7	410.13
1/4	5.1	409.73
+6	5.3	409.53
cb.	4.9	409.93
Y	5.0	409.83

4+30

Y	4.3	410.53
+4	4.3	410.53
cb.	5.1	409.73
1/4	4.8	410.03
1/2	4.6	410.23
1/4	4.6	410.23

41483

+6	4.5	410.33
cb	3.9	410.93
E	3.8	411.03
4+50		
E	3.8	411.03
+1	4.0	410.83
cb	4.5	410.33
q	4.5	410.33
g	4.6	410.23
q	4.8	410.03
+6	5.2	409.63
cb	4.8	410.03
W	5.2	409.63
5+00		
X	5.2	409.63
+4	4.9	409.93
cb	5.3	409.53
q	4.9	409.93
g	4.7	410.13
q	4.5	410.33
cb	4.5	410.33
+1	4.0	410.83
E	3.8	411.03
5+50		
E	3.6	411.23
+4	3.9	410.93

414.83

No 2 5A
X. Section

21

cb	4.5	410.33
q	4.5	410.33
g	4.4	410.43
q	4.7	410.13
+1	5.0	409.83
cb	4.5	409.33
W	4.5	409.33
T.P.	4.8	414.48
6+00		
W	4.4	410.08
+4	4.3	410.18
cb	4.9	409.58
q	4.6	409.98
g	4.2	410.28
q	4.3	410.18
cb	4.5	409.98
+1	3.7	410.78
E	3.5	410.98
6+50		
E	3.8	410.68
+4	4.0	410.48
cb	4.5	409.98
q	4.5	409.98
g	4.4	410.08
q	4.9	409.58
+6	5.1	409.38

41448

cb	46	409.88
W	47	409.78
	7+00	
W	48	409.68
+4	49	409.58
cb.	53	409.18
$\frac{1}{4}$	50	409.48
$\frac{1}{2}$	47	409.78
$\frac{1}{4}$	48	409.68
+6	49	409.58
cb.	44	410.08
E	42	410.28
	7+50	
E	46	409.88
+4	48	409.68
cb.	53	409.18
$\frac{1}{4}$	51	409.38
L	50	409.48
$\frac{1}{4}$	53	409.18
+6	55	408.98
cb.	49	409.58
W	50	409.48
	8+00	
W	53	409.18
cb.	54	409.08
+1	60	408.48

41448

No. 2 ST.
X. Section

22

$\frac{1}{4}$	57	408.78
$\frac{1}{2}$	55	408.98
$\frac{1}{4}$	56	408.88
+6	58	408.68
cb.	53	409.18
E	57	409.38
	8+50	
E	60	408.48
cb.	60	408.48
+1	68	407.68
$\frac{1}{4}$	65	407.98
$\frac{1}{2}$	63	408.18
$\frac{1}{4}$	65	407.98
+6	69	407.58
cb.	61	408.38
W	60	408.48
	9+00	
W	74	407.08
+2	75	406.98
+3	80	406.48
cb.	82	406.28
$\frac{1}{4}$	77	406.78
$\frac{1}{2}$	78	406.68
$\frac{1}{4}$	79	406.58
cb.	88	405.68
E	94	405.08

41448

N^o 2 St. 7 Section

23

+10

10.0 404.48

9+45.5 section of Plot N^o 2 St.

-25

23.8 390.68

E

16.8 397.68

Cb

14.7 399.78

F

13.2 401.28

L

11.9 402.58

F

10.0 404.48

+6

10.6 403.88

Cb

9.4 405.08

M

9.1 405.38

I.P.

7.00

417.35

413

410.35

chk. on Sect. Page 9

420

413.15

+13.16 = Elev. Sect.
0.01 = Error

Mother
Ripburger et
Stacy
Aug 5-13-28

Cross Section Collier st. 40' wide
As per sketch page 9

40610

Plotted 54th to 55th only

also 54 to 600' West
191 417.36 417.45

5' CBS
7.5' 4.5'
S.M. Collier
15413

1+00

T.P.	0.71	407.10	12.97	406.39	-10	7.7	398.40
T.P.	0.52	394.84	12.78	394.32	5	7.5	398.60
					cb.	7.1	399.00
					1/4	6.7	399.40
-20			12.1	382.74	1/2	6.4	399.70
5			12.8	382.04	3/4	6.1	400.00
cb.			13.8	381.04	cb.	5.3	400.80
+5			14.2	380.64	N	5.0	401.10
1/4			13.4	381.44	7.5	4.7	401.90
1/2			11.6	383.24			
cb.			10.7	384.14	-5	1.0	405.10
N			10.2	384.64	N	1.7	404.40
+10			10.2	384.64	cb.	2.0	404.10
			10.3	384.54	1/4	2.5	403.60
					1/2	3.2	402.90
-10			1.8	393.04	3/4	3.3	402.80
N			2.4	392.44	cb.	3.7	402.40
cb.			2.5	392.34	5	3.6	402.50
1/4			2.7	392.14	+10	4.5	401.60
1/2			3.4	391.44	T.P.	10.69	416.56
1/4			3.8	391.04			
cb.			4.3	390.54	-5	10.0	406.56
5			4.5	393.34	5	10.1	406.46
+20			4.4	390.44	cb.	10.5	406.06
T.P.	1178	40610	0.52	394.32	1/4	10.1	406.96

Plotted

Yardage figured
54th to 55th
T.G.H.
8-7-28

1+20

10.69 416.56

1+55

41656

1	101	406.46
2	96	406.96
cb	95	407.06
N	81	408.46
1+94 = 2 Acacia Tree on North 151st	6.8	409.76
2+19 = " " " " " " " " " " " "	61	410.46
+45 = " " " " " " " " " " " "	50	411.06
+69 = " " " " " " " " " " " "	43	412.26
3+08 = " " " " " " " " " " " "	33	413.26
+31 = " " " " " " " " " " " "	33	413.26
+53 = " " " " " " " " " " " "	27	413.86
2+00		
N	66	409.96
+4	68	409.76
cb	74	409.16
1/2	75	409.06
1/6	74	409.16
1/4	74	409.16
cb	74	409.16
S	74	409.16
2+45		
S	61	410.46
cb	60	410.56
+12	63	410.26
1/4	62	410.36
1/6	59	410.66

41656

Collier St.

25

1/4	61	410.46	
cb	61	410.46	
+12	52	411.36	
N	50	411.56	5.7' High
2+91 = 2 Gravel Walk on North 151st Curbs on Each side 4" x 6" Cbs 2' Back			
N-2 on topch	329	413.17	
N	39	412.66	
+3	41	412.46	
cb	48	411.76	
1/2	48	411.76	
1/6	47	411.86	
1/4	49	411.66	
+6	52	411.36	
cb	46	411.96	
S	45	412.06	12' High
3+44 = 2 Gravel Dr. on North 151st Curbs on Each side 5" x 11" St.			
S	34	413.16	
+4	35	413.06	
cb	38	412.76	
1/4	38	412.76	
1/6	36	412.96	
1/4	37	412.86	
cb	35	413.00	
N	32	413.36	
N on top ch	291	413.65	

4+00

416.56

N	22	414.36
+3	22	414.36
cb.	3.9	413.56
$\frac{1}{4}$	29	413.66
$\frac{1}{2}$	27	413.86
$\frac{1}{2}$	29	413.66
cb.	3.0	413.56
+1	2.6	413.96
S.	2.6	413.96
4+50		
S	17	414.86
+4	19	414.66
cb.	2.4	414.16
$\frac{1}{4}$	2.3	414.26
$\frac{1}{2}$	2.2	414.36
$\frac{1}{4}$	2.4	414.16
cb.	2.5	414.06
+2	1.9	414.66
N	1.6	414.96
TP	6.24 421.21	159 414.97
5+00		
N	57	415.51
+4	57	415.51
cb.	6.4	414.81
$\frac{1}{4}$	6.5	414.71
$\frac{1}{2}$	6.4	414.81

421.21

Collier st.

26

$\frac{1}{4}$	6.4	414.81
cb.	6.5	414.71
+1	5.8	415.41
S	5.7	415.51
5+50		
S	5.3	415.91
+4	5.5	415.71
cb.	6.1	415.11
$\frac{1}{2}$	6.1	415.11
$\frac{1}{4}$	5.9	415.31
$\frac{1}{4}$	6.1	415.11
cb.	6.2	415.01
+1	5.7	415.51
N	5.7	415.51
6+00 = 7th 54th st.		
N	5.4	415.81
+4	5.2	416.01
cb.	5.8	415.41
$\frac{1}{4}$	5.8	415.41
$\frac{1}{2}$	5.6	415.61
$\frac{1}{4}$	5.7	415.51
cb.	5.5	415.71
+1	5.1	416.11
S.	5.0	416.21
3.75		
cpt. on SIX BAY Collier 1.54th		
0+00 = 7th 54th st.		

421.21

Yardage figured
8-9-28
76th

S	4.5	416.71
+4	4.7	416.51
cb	5.5	415.71
$\frac{1}{2}$	5.7	415.51
$\frac{1}{4}$	5.6	415.61
$\frac{1}{8}$	5.7	415.51
cb	5.9	415.31
+2	4.9	416.31
N	4.9	416.31
0+11 = 8 Platanus tree on South E. side	4.1	417.11
+41 = " " " " " " " "	4.2	417.01
+71 = " " " " " " " "	4.0	417.21
1+00 = " " " " " " " "	4.2	417.01
+31 = " " " " " " " "	4.0	417.21
+62 = " " " " " " " "	4.2	417.01
+91 = " " " " " " " "	4.5	416.61
2+21 = " " " " " " " "	4.3	416.91
+52 = " " " " " " " "	3.9	417.31
+82 = " " " " " " " "	4.2	417.01
3+11 = " " " " " " " "	5.3	415.91
S	4.9	416.31
cb	5.3	415.91
$\frac{1}{2}$	5.7	415.51
$\frac{1}{4}$	5.4	415.81
$\frac{1}{8}$	5.7	415.51

0+50

3' dia
5' tall

421.21

cb	6.0	415.21
+2	5.4	415.81
N	5.2	416.01
0+84 = 8' diam. Yolk on North on line	5.27	415.94
1+00		
N	5.4	415.81
+3	5.4	415.81
cb	5.9	415.31
$\frac{1}{2}$	5.7	415.51
$\frac{1}{4}$	5.5	415.71
$\frac{1}{8}$	5.6	415.61
cb	5.4	415.81
S	4.8	416.41
1+50		
S	4.9	416.31
cb	5.3	415.91
+3	5.8	415.41
$\frac{1}{2}$	5.7	415.51
$\frac{1}{4}$	5.4	415.81
$\frac{1}{8}$	5.7	415.51
cb	5.8	415.41
+2	5.3	415.91
N	5.1	416.11
2+00		
N	5.1	416.11
cb	6.0	415.21

4' wide
on line

27

421.21

5	5.8	415.41
5	5.5	415.71
5	5.8	415.41
cb.	5.6	415.61
S	4.8	416.41
Z+40		
S	4.5	416.71
+3	4.7	416.51
cb.	5.3	415.91
+5	6.2	415.01
5	6.1	415.11
5	5.9	415.31
5	6.2	415.01
cb.	6.4	414.81
N	4.6	416.61
2+82		
-5	6.7	414.51
N	6.7	414.51
cb.	6.7	414.51
5	6.6	414.61
5	6.3	414.91
5	6.5	414.71
+5	6.6	414.61
cb.	5.8	415.41
S	4.5	416.71
T.P.	269	417.48
	6.42	414.79

417.48.

Celtic St.

28

3+31 = 1/2 Cor. Walk on North to Residence		
S	2.1	416.38
cb.	3.2	414.28
5	3.7	414.28
5	3.0	414.48
5	3.2	414.28
cb.	3.7	413.78
N on top walk		
	3.33	414.15
3+45 = 1/2 Cor. Drive on N		
	4.15	413.32
3+71		
-5	4.3	413.18
N	4.3	413.18
cb.	4.1	413.38
5	3.5	413.98
5	3.3	414.18
5	3.4	414.08
-5	3.5	413.98
cb.	2.9	414.58
S	2.3	415.18
3+41 = 1/2 Plaque Blm tree on South S' back		
	1.7	415.78
+71	1.8	415.68
4+01	2.0	415.48
+32	2.3	415.18
+62	2.1	415.38
+91	2.4	415.08
5+32	3.4	414.08

4' side

0.7' back

41748

5+50 = 1/2 Plumbago Palm tree on South S' Back

6+43 = " " " " " "

4+06

S 25 414.98

+4 31 414.38

cb 38 413.68

1/4 38 413.68

2 36 413.88

1/4 38 413.68

cb 41 413.38

N 37 413.78

+5 34 414.08

4+50

N 30 414.48

+2 32 414.28

1b 42 413.28

1/4 41 413.38

1 39 413.58

1/4 42 413.28

cb 42 413.28

S 30 414.48

5+00

S 32 414.28

cb 44 413.08

1/4 47 412.78

2 45 412.98

41748

Collier st

29

1/4 47 412.78

cb 47 412.78

N 41 413.38

+5 37 413.78

+10 47 412.78

5+15

-15 11.2 406.28

N 56 411.88

cb 49 412.58

1/4 49 412.58

2 46 412.88

1/4 47 412.78

cb 46 412.88

S 35 413.98

5+31

S 42 413.28

cb 49 412.58

1/4 49 412.58

1/6 50 412.48

1/4 51 412.38

cb 58 411.68

N 97 407.78

+5 13.9 403.58

+10 194 398.08

5+25

-40 346 382.88

-37	30.9	386.58
-12.5	25.8	391.68
N	11.9	405.58
cb	8.9	408.58
+4	5.7	411.78
$\frac{1}{2}$	5.3	412.18
$\frac{1}{2}$	5.0	412.48
$\frac{1}{2}$	4.8	412.68
cb.	5.0	412.48
S	4.8	412.68
+5	4.3	413.18

5+50

-5	5.3	412.18
S	4.8	412.68
cb.	5.0	412.48
$\frac{1}{2}$	4.8	412.68
$\frac{1}{2}$	5.0	412.48
$\frac{1}{2}$	5.3	412.18
+3	10.1	407.38
cb.	11.6	405.88
N	16.2	401.28
-12.5	28.1	389.38
+30	31.0	386.48
+40	35.2	382.28

5+55

-40	31.5	385.98
-----	------	--------

-30	33.0	384.48
-23	29.0	388.48
N	11.9	405.58
cb.	8.9	408.58
+4	5.5	411.98
$\frac{1}{2}$	5.3	412.18
$\frac{1}{2}$	5.0	412.48
$\frac{1}{2}$	4.9	412.58
cb.	5.1	412.38
S	4.9	412.58
+5	6.0	411.48

5+85

-15	10.6	406.88
-5	10.6	406.88
S	7.7	409.78
cb.	5.2	412.28
+2	4.8	412.68
$\frac{1}{4}$	4.6	412.88
$\frac{1}{2}$	4.6	412.88
$\frac{1}{2}$	5.0	412.48
+2	5.4	412.08
cb.	10.4	407.08
N	13.7	403.78
+15	20.0	397.48
+25	23.3	394.18
+26	28.0	389.48

+28	27.0	390.48
+30	23.0	394.48
+35	23.0	394.48
6+00		
-20	17.7	399.78
-10	17.3	400.18
N	11.5	405.98
cb	8.1	409.38
+5	4.5	412.98
1/2	4.4	413.08
1/2	4.1	413.38
1/2	4.2	413.28
cb	5.1	412.38
+7	6.0	411.48
S	7.6	409.88
+10	9.7	407.78

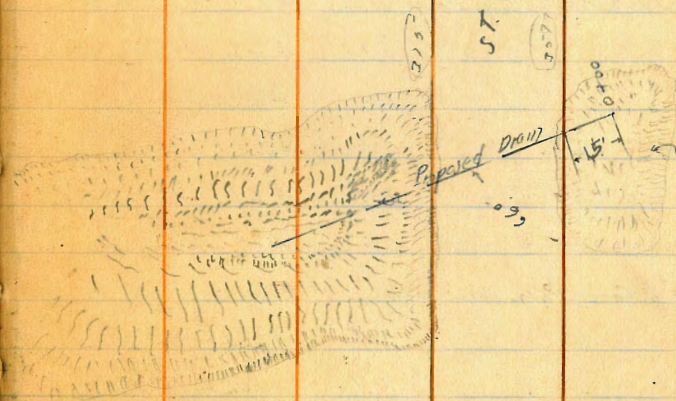
Levels For Drain as Per sketch opp. Page

0+00	10.3	407.18
+15 = South Prop Line	7.7	409.78
+27	4.8	412.68
+34	4.6	412.88
+47	5.5	411.98
+80	27.0	390.48
+88	30.6	386.88
+92	33.2	384.28
1+05 = End.	35.3	382.18

-10	21	415.38
J	27	414.78
1/2	2.3	415.18
1/4	2.0	415.48
1/2	2.0	415.48
1/4	2.1	415.38
cb.	1.8	415.68
N	2.1	415.38

55+7

ST



Collector

54+7

ST

41748

+10			1.5	415.98
	6+60			
TR	12.88	42982	0.54	416.94
N			9.9	419.92
cb			13.1	416.72
$\frac{1}{4}$			13.1	416.72
$\frac{1}{2}$			13.0	416.82
$\frac{1}{4}$			13.1	416.72
cb			12.9	416.92
+2			12.3	417.52
S			12.2	417.62
6+72 = $\frac{1}{2}$ Plum. 10 Rd on tree on S side 5' out			11.0	419.82
7+69 = " " " " " " " " " " " "			8.1	421.72
+32 = " " " " " " " " " " " "			6.8	423.02
+62 = " " " " " " " " " " " "			5.0	424.82
+93 = " " " " " " " " " " " "			2.7	427.12
8+21 = " " " " " " " " " " " "			0.5	429.32
7+04 = $\frac{1}{2}$ Con. Walk. on North 3' wide				
S			8.7	421.12
cb			8.9	420.92
+4			10.8	419.02
+5			10.0	419.82
$\frac{1}{4}$			9.9	419.92
$\frac{1}{2}$			9.7	420.12
$\frac{1}{4}$			9.8	420.02
cb			9.4	420.42

42982

32

+1 on Con. Walk			7.15	419.67
N " " "			8.70	421.12
+3 " " "			6.71	423.11
	7+25			
N			5.7	424.12
+2			6.2	423.62
cb			8.6	421.22
$\frac{1}{4}$			8.4	421.42
$\frac{1}{2}$			8.2	421.62
$\frac{1}{4}$			8.3	421.52
+2			9.0	420.82
cb			7.9	421.92
S			7.5	422.32
	7+50			
S			6.0	423.82
cb			6.3	423.52
+2			7.0	422.82
+4			6.6	423.22
$\frac{1}{4}$			6.5	423.32
$\frac{1}{2}$			6.4	423.42
$\frac{1}{4}$			6.4	423.42
cb			7.1	422.72
+3			4.4	425.42
N			4.4	425.42
	8+00			
N			1.6	428.22

429.82

+2	1.8	428.02
cb.	3.2	426.62
$\frac{1}{2}$	3.0	426.82
$\frac{1}{4}$	2.9	426.92
$\frac{1}{8}$	3.0	426.82
+4	3.2	426.62
+6	4.1	425.72
cb.	2.9	426.92
S	2.6	427.22

8+31 = $\frac{1}{2}$ Geo. Drive on South 0.5' 11' St. 11' wide

S on Drive	0.35	429.47
+5 " "	0.35	429.47
cb.	0.6	429.22
$\frac{1}{2}$	0.7	429.12
$\frac{1}{4}$	0.6	429.22
$\frac{1}{8}$	0.5	429.32
cb.	0.8	429.02
+2	0.1	429.72
N	0.0	429.82

TP 12.47 441.88 0.41 429.41

8+53 = $\frac{1}{2}$ Plumosa Palm tree on S 5' back 10.8 431.08

+83 = " " " " " " " " 2.6 433.28

9+13 = " " " " " " " " 5.8 436.08

+42 = " " " " " " " " 3.2 438.68

8+83

N 8.3 433.58

441.88

cb.	8.6	433.28
$\frac{1}{2}$	8.7	433.18
$\frac{1}{4}$	8.7	433.18
$\frac{1}{8}$	8.9	432.98
cb.	9.2	432.68
S	8.9	432.98

9+13

S	6.2	435.68
cb.	6.6	435.28
$\frac{1}{2}$	6.4	435.48
$\frac{1}{4}$	6.7	435.68
$\frac{1}{8}$	6.1	435.78
cb.	6.0	435.88
N	5.4	436.48

9+57 = YL 55th St

N	1.5	440.38
cb.	2.0	439.88
+1	2.4	439.48
$\frac{1}{2}$	2.4	439.48
$\frac{1}{4}$	2.5	439.38
$\frac{1}{8}$	2.6	439.28
+6	2.6	439.28
cb.	2.2	439.68
S	1.8	440.08

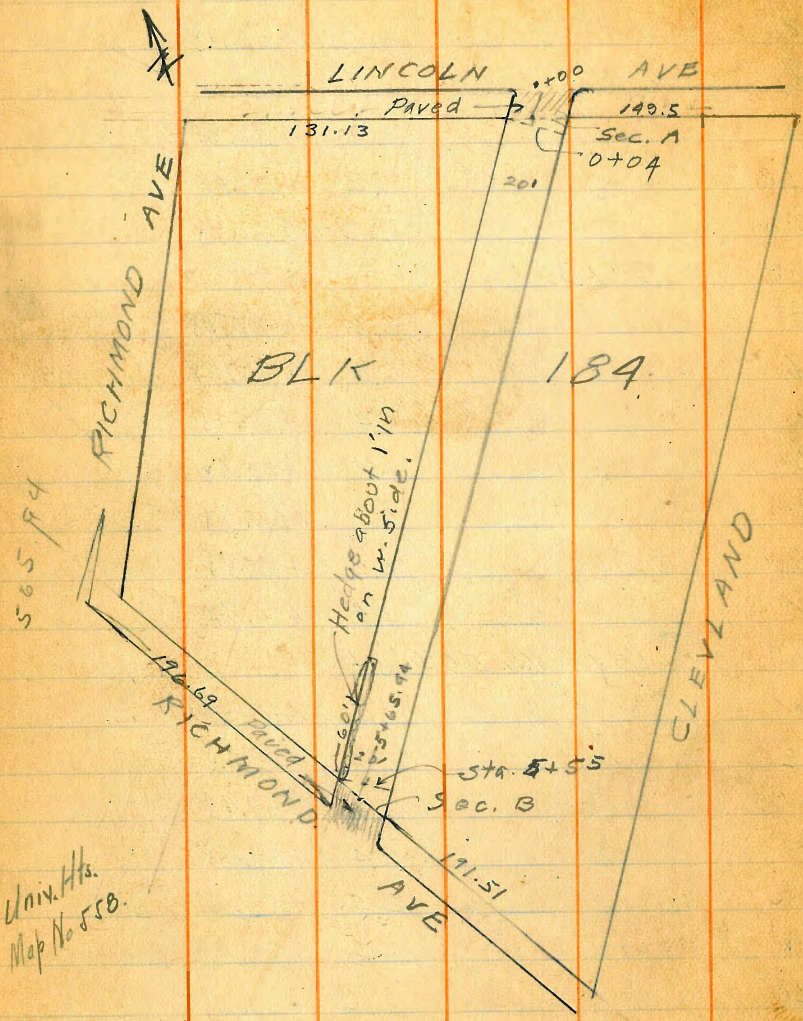
chk. on S.W. B.M. Adams + 55th

6.12 435.76

435.77 = 811

0.01 = Error

33



Univ. Hts.
Map No 558.

See P. 45 for Notes on
Garages etc.

X-Sections Alley Block 18A Univ. Hts. 34
May 2-28 London-Inst.

Sta	+	H.I	-	E.L.
BM	2.27	313.51		310.74
T.P	6.46	318.73	1.24	312.27
Section of Lincoln. top w. cb				
Gutter at W.L			4.70	314.03
Gutter at ϕ			4.69	314.09
Gutter at E.L.			4.69	314.04
top cb at E.L.			3.31	314.92
Sec A. ↓				
E cb			3.63	315.10
Pav. at E.L.			3.99	314.74
ϕ Pav.			4.36	314.43
Pav at W.L			4.08	314.65
W. cb			3.92	314.81
0+04				
W.L			4.1	314.0
ϕ			4.2	314.5
+5			4.3	314.4
E.L			4.8	313.9
0+25				
E.L			6.0	312.7
+4			5.5	313.2
ϕ			5.6	313.1
W.L			5.3	313.4
0+38				
W.L			6.1	312.6

Plotted 5-7-28
C.B. Stoughton

These Notes are 12.26 ft too high Right BM 29848
C.B.

Sta	+	H.1	-	E1
		318.73		
W.L.+5			6.4	312.3
⊕			6.5	312.2
+7			6.3	312.4
E.L.			6.6	312.1
0+50 ✓				
E.L.			7.8	310.9
⊕			8.0	310.7
W.L.			7.5	311.2
0+75 ✓				
W.L.			9.7	309.0
⊕			9.7	309.0
+5			9.7	309.0
E.L.			9.4	309.3
1+00 ✓				
E.L.			10.5	308.2
⊕			10.6	308.1
W.L.			10.6	308.1
1+08 ✓				
W.L.			10.1	308.1
+5			10.3	308.4
⊕			10.8	307.9
E.L.			10.8	307.9

Sta	+	H.1	-	E1
1+14 ✓		318.73		
				Brick - 3'E. Garage floor. E side
E.L.			10.31	308.42
⊕			10.6	308.1
			10.9	307.8
+4			11.6	307.1
				Old shack earth - 1.5 in W side.
W.L.			11.7	307.0
T.P.		314.64	6.51	308.15
1+25 ✓				
W.L.			6.5	308.2
⊕			6.4	308.3
+6			6.0	308.7
E.L.			5.1	309.6
1+43 ✓				
E.L.			2.4	312.3
⊕			4.0	310.7
W.L.			5.3	309.4
1+50 ✓				
W.L.			4.0	310.7
⊕			3.2	311.5
E.L.			1.9	312.8
				(cement - 7'W Garage floor 1+57 W side)
1+75 ✓			4.36	3103.0
				earth - 8'E (Garage floor)
E.L.			2.4	312.3
⊕			3.8	310.9
W.L.			4.6	310.1

Alleg BIK 18A

Sta	+	H.I.	-	E'
Bar		314.64 ⁶		
Garage floor	(Cement)	1+75.5' W.	4.58	310.08
2+00				
Garage floor	(Cement)	5' W.	5.23	309.43
W.L.			5.2	309.5
±			4.7	310.0
+6			4.0	310.7
E.L.	(Exc. tree 1' in)		2.9	311.8
2+23	✓			
E.L.			5.2	309.5
±			5.8	308.9
W.L.			5.6	309.1
Garage floor	(Cement)	5' W.	5.19	309.47
2+27	✓			
5' W.			7.6	307.1
W.L.			7.3	307.4
±			6.9	307.8
+4			6.6	308.1
E.L.			5.6	309.1
floor house	2'E.		3.64	311.02
2+37	✓			
E.L.			6.4	308.3
±			7.3	307.4
W.L.			7.8	306.9
10' W			11.2	303.5

Alleg BIK 18A

36

Sta	+	H.I.	-	E'
2+50	✓	314.64 ⁶		
15' W			17.2	297.5
10' W			14.4	300.3
W.L.			9.2	305.5
+5			7.2	307.5
±			6.6	308.1
E.L.			6.7	308.0
2+54	✓			
8'E.			6.1	308.6
E.L.			5.3	309.4
+5			6.6	308.1
±			6.5	308.2
+5			7.1	307.6
W.L.			9.0	305.7
12' W			17.4	297.3
22' W			19.0	295.7
2+67	✓			
15' W			13.1	301.6
5' W			12.7	302.0
W.L.			9.8	304.9
+7			6.1	308.6
±			5.9	308.8
+6			5.5	309.2
E.L.			4.7	310.0
10'E			5.2	309.5
Garage floor	11'E. (earth)		5.71	308.95

Alley B/K 184

Sta	H.I.	-	E.I.
2+55 ✓	314.64 ⁶		
10' E.		7.8	306.9
0' E.		5.9	308.8
E.L.		5.9	308.8
+5		5.2	309.5
±		5.3	309.4
+3		5.1	309.6
W.L.		8.1	306.6
5' W		11.0	303.7
20' W		10.0	304.7
2+89 ✓			
10' W.		4.5	310.2
5' W		5.5	309.2
W.L.		5.0	309.7
+3		4.1	310.6
±		4.4	310.3
E.L.		4.7	310.0
4' E.		5.6	309.1
10' E.		6.2	308.5
3+00 ✓		4.4	
5' E.		4.4	310.3
E.L.		4.4	310.3
±		3.9	310.8
+5		3.4	311.3
W.L.	earth	3.3	311.4
Garage floor 5' East 3+08		4.0	310.7

Alley B/K 184

37

Sta.	H.I.	-	E.I.
3+10 ✓	314.84 ⁶		
W.L.		2.8	311.9
±		2.9	311.8
E.L.		3.8	310.9
T.P.	4.92	316.84 ⁶	2.62 312.02 ⁴
3+25 ✓			
E.L.		4.9	312.0
±		4.9	312.0
W.L.		4.6	312.3
3+50 ✓			
W.L.	6' W. Garage floor (earth)	4.6	312.7
±		4.6	312.3
E.L.	(cement)	4.2	312.7
Garage floor 1' E.		3.86	313.00
3+75			
Garage floor 1' E.		4.20	312.66
E.L.		4.3	312.6
±		4.2	312.7
W.L.		4.0	312.9
Cement walk on W.L.		4.10	312.76
4+00			
W.L.		3.9	313.0
±		4.1	312.8
E.L.		4.0	312.9
Garage floor at 4+08	(earth) E.L.	3.81	313.05

Sta	+	H. 16	-	E. 1
		316.84		
(Cement) Garage floor at 4+08	(1' W.) W. side.		3.97	312.89
4+25	0.5' E (Cement) Garage floor)		3.83	313.03
E.L.			4.0	312.9
⊕			4.0	312.9
W.L.			4.0	312.9
4+50 ✓	2' W (earth).			
W.L.	(Garage floor)		4.4	312.5
⊕			4.4	312.5
E.L.	(Garage floor)		3.9	313.0
Garage floor at 4+75	0.5' E (Cement)		3.86	313.00
4+75				
E.L.			4.0	312.9
⊕			4.4	312.5
W.L.			4.7	312.2
5+00 ✓				
W.L.			4.8	312.1
⊕			4.7	312.2
E.L.			4.6	312.3
Garage floor at 5+10	0.5' E. (earth)		4.8	312.2
5+25 ✓				
E.L.			4.9	312.0
⊕			4.9	312.0
W.L.			5.0	311.9

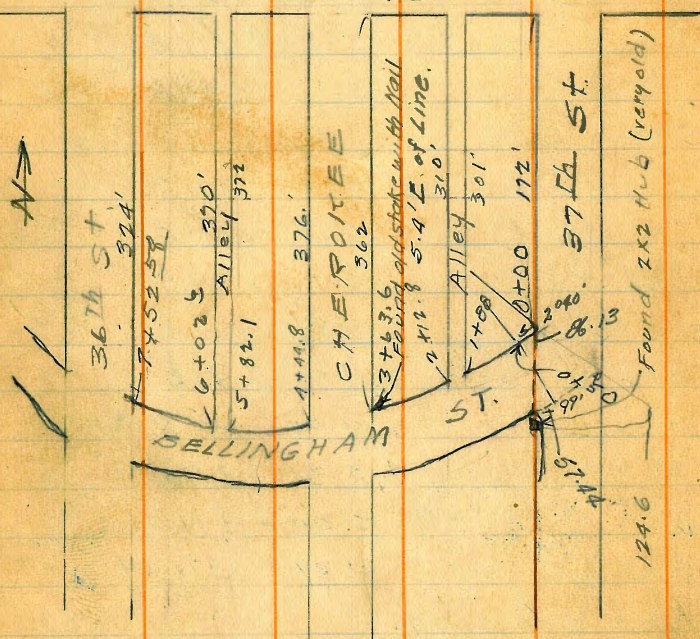
Sta	+	H. 16	-	E. 1
5+50 ✓		316.84		
W.L.			5.2	311.7
⊕			5.1	311.8
E.L.			5.1	311.8
5+55 ✓				
E.L.	Gar. floor (earth) 0.5' E.		5.2	311.7
⊕			5.1	311.8
W.L.			5.0	311.9
Sec B ✓				
W. cb.			4.86	312.00
Pav. at W.L.			4.91	311.95
⊕ Pav.			5.31	311.55
E.L. Pav.			5.00	311.86
E cb			4.89	311.97
N cb. line Richmond.				
W. cb.			5.21	311.65
Gutter at E.L.			5.83	311.03
Gutter at ⊕			5.86	311.00
Gutter at W.L.			5.65	311.21
W. cb			5.06	311.80
B.M.			6.13	312.69

X Section 070 Bellingham From 36th
to 37th

May 4-28

Loudon - Lundy
Holbeck

MYRTLE ST.



Note:- All sections taken
Radially unless otherwise
Noted.

Curve aligned by eye only after
measuring record distances on streets
and alleys from Myrtle St.
Stations measured by chords on
North Line.

Sta	+	H.I.	-	EI
B.M	4.00	314.74		310.74
T.P.	0.19	302.02	12.91	301.83
Sec. on W.L. of 37 th				
N.L			12.3	289.7
N.C.B			12.4	289.6
N/A			7.5	294.5
E			11.0	291.0
S 1/4			11.9	290.6
S.C.B			12.2	290.8
S.L			13.0	289.0
0+50 - DIST 49				
S.L			17.1	294.9
S.C.B			15.4	286.8
S 1/4		302	13.8	288.2
+7			11.8	290.2
E			11.2	290.8
N 1/4			9.6	292.4
N.C.B			8.6	293.4
N.L			6.6	295.4
1+00 - DIST 88				
N.L			3.7	298.3
N.C			5.2	297.8
N 1/4			6.4	295.6
E			7.9	294.1
S 1/4			9.0	293.0
S.C.B			10.8	291.2

37th & Myrtle
N.W. B.P.

Sta	+	H.I	-	EI
1+00		302.02		
S.L			13.0	289.0
1+50	111.32			
S.L			12.0	290.0
S.c.b			10.5	291.5
S'4			9.2	292.8
Φ			7.9	294.1
N'4			6.5	295.5
N.c.b			4.9	297.1
N.2			3.6	298.4
1+88 = 215.99 S.L				
N.L			4.5	297.5
N.c.b			5.9	296.1
N'4			7.2	294.8
Φ			8.7	293.3
S'4			10.5	292.5
S.c.b			11.8	290.2
S.L			13.0	289.0
T.P.	5.20	298.17	9.05	292.97
2+12.8 = 249.46 S.L				
S.L			10.6	287.6
S.c.b			9.4	288.8
S'4			7.6	290.6
Φ			5.5	292.7
N'4			4.6	293.6

Sta	+	H.I	-	EI
2+12.8 ✓		298.17		
N.c.b			3.0	295.2
N.L			1.9	296.3
2+50 = 287.20				
N.L			2.0	296.2
N.c.b			4.0	294.2
N'4			5.4	292.8
Φ			7.4	290.8
S'4			9.2	289.0
S.c.b			10.8	287.4
S.L			12.2	286.0
3+00 = 244.64				
S.L			14.6	283.6
S.c.b			12.3	285.9
S'4			10.2	288.0
Φ			8.3	287.9
N'4			6.2	292.0
N.c.b			4.6	293.6
N.L			3.0	295.2
3+50 = 2402.08				
N.L			5.6	292.6
N.c.b			6.9	291.3
N'4			8.8	289.4
Φ			10.3	287.9
S'4			12.2	286.0

S to	H.I.	-	E I
3+50 ✓	299.17		
Scb	14.1		284.1
S.L	16.0		282.2
T.P 1.75	291.92	8.00	290.17
3+50 ✓			
15' S <small>Hand copy 2011 66.00 291.19</small>		11.9	286.3
3+63.6 ✓ E line Cherokee			
S.L	10.7		281.2
Scb	8.9		283.0
S 1/4	6.9		285.0
E	4.8		287.1
N 1/4	3.4		288.5
Ncb	1.3		290.6
N.L	-0.3		292.2
4+44.8 ✓ <small>-522.58</small> W line Cherokee			
N.L	3.2		288.7
Ncb	4.6		287.3
N 1/4	6.2		285.7
E	7.9		284.0
S 1/4	9.5		282.4
Scb	10.7		281.2
S.L	12.5		279.4
15' S.	14.1		277.8

S to	H.I.	-	E I
5+00 <small>+585.75</small>	291.92		
15' S	39.8		252.1
S.L.	32.2		259.7
Scb	26.9		265.0
S 1/4	16.4		275.5
E	11.9		280.0
N 1/4	10.2		281.7
Ncb	8.3		283.6
N.L	6.4		285.5
15' N	4.5		287.4
T.P <small>168</small>	283.80	9.80	282.12
5+50 <small>+643.35</small>			
15' N	0.8		283.0
N.L	3.7		280.1
Ncb	8.8		275.0
N 1/4	13.0		270.8
E	22.3		261.5
S 1/4	25.1		258.7
Scb	30.8		253.0
S.L	36.3		247.5
25' S.	36.6		247.2
5+82 <small>-680.20</small>			
20' S	30.6		253.2
S.L.	32.9		250.9
	33.7		250.1

Sta	+	H.1	-	E1
		283.80		
S 1/4			34.3	249.5
+8			33.9	249.9
⊕			29.6	254.2
N 1/4			22.9	260.9
N.cb			15.1	268.7
N.L			9.2	274.6
15' N			4.3	279.5
G+026	✓	7103.73		
15' N			8.1	75.7
T.P.	0.55	272.47	11.86	271.94
N.L			2.7	269.8
N.cb			11.6	260.9
T.P.	1.73	263.98	10.24	262.25
N 1/4			10.1	263.9
⊕			14.1	259.9
S 1/4			12.2	251.8
S.cb			7.9	256.1
S.L			2.0	262.0
15' S.			-2.0	266.0
G+27	✓	7131.75	0.5	
15' N.			-0.5	264.5
N.L.			5.0	259.0
N.cb			8.7	253.3
N 1/4			12.0	252.0

Sta	+	H.1	-	E1
G+27		263.78		00.00
⊕			8.1	255.9
S 1/4			1.9	262.1
T.P.	11.36	274.58	0.76	263.22
S.cb			10.0	264.6
S.L			3.0	271.6
15' S			-1.3	275.9
G+41	✓	7447.81		
15' N			20.1	254.5
N.L			21.6	253.0
N.cb			20.2	254.4
N 1/4			17.8	256.8
⊕			12.1	262.6
S 1/4			6.6	268.0
S.cb			3.1	271.5
S.L			-1.8	276.4
15' S			-4.5	279.1
G+55	✓	7465.65		
15' N			18.5	256.1
N.L			16.8	257.8
N.cb			13.3	261.3
N 1/4			6.2	268.4
⊕			0.0	274.6
T.P.	12.84	287.02	0.40	274.18
S.cb			5.5	281.5

Sta	+	H.I.	-	E.I.
6+55	/	287.02		
S.L.			4.4	282.6
15' S.			4.4	282.6
6+70				
15' S			3.6	283.4
S.L.			3.2	283.8
Scb			4.1	283.9
S'A			5.5	281.5
£			8.5	278.5
N'A			12.2	274.8
Ncb			16.8	270.2
N.L			21.0	266.0
15' N			23.2	263.8
6+85	-7+98.33		1	
15' N			16.4	270.6
N.L			13.8	273.2
Ncb			10.2	276.8
N'A			7.2	279.8
£			4.2	282.8
S'A			2.8	284.2
Scb			2.1	284.9
S.L			2.1	284.9
15' S			3.9	283.1
T.P.	8.65	294.63	1.04	285.98

Sta	+	H.I.	-	E.I.
7+00	8+15.55	294.63		
15' S			11.5	283.1
S.L.			9.8	284.8
Scb			9.2	285.4
S'A			9.4	285.2
£			9.9	284.7
N'A			10.6	284.0
Ncb			12.7	281.9
N.L			16.4	278.2
15' N			18.4	276.2
7+17	✓ 3.E. Cor.			
15' N			13.7	280.9
N.L			11.5	283.1
Ncb			9.5	285.1
N'A			8.1	286.5
£			7.1	287.5
S'A			6.5	288.1
Scb			7.4	287.2
S.L			8.8	285.8
15' S			10.8	283.8
7+52	8+75.91			
15' S	W.E. line 36th Cor.		11.2	283.4
S.L			8.6	286.0
Scb			6.3	288.3
S'A			5.0	289.6

Sta	+	H.I	-	EI.
7+52.58	/	294.63		
£			4.6	290.0
N/A			4.7	289.9
Ncb			5.2	289.4
N.L			5.9	288.7
15' N			7.0	287.6
B.M	12.06	302.62	4.07	290.56
T.P	13.03	315.27	0.38	302.24
T.P.	12.80	328.04	0.03	315.24
T.P	4.79	332.25	0.58	327.46
B.M			4.78	327.47

Dwight
36th N.W
B.P.
(327.55)

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Notes on Alley BK. 8 Frary Hts.
See field book 1235 P56

Sta	+	H.I	-	EI.	
5.66		330.94		325.28	cb w. l. 0+00
0+75		6.3' E N. side 2 car garage	5.7	325.2	earth floor
0+97		6.3 E S side garage	5.7	325.2	" "
1+37	£	1 car garage 10.8' W	4.25	326.69	wood floor
1+61	£	Single garage 9.5' E			Conc. floor
T.P		6.75	332.26	5.43	325.51
				7.13	325.18
1+49		N end of Garage 1.3' in alley on W side			
		Entrance on S. end. earth floor			
			4.7	327.6	
1+80		S end of Garage 15' in alley			
			4.8	327.5	
1+75		N side 2 car garage 4.5' E Conc. floor,			
			6.38	325.88	
1+93		4' E S side same garage	6.50	325.76	
2+08		N end garage 0.4' in alley on E side Entrance on N. Conc. floor	6.17	326.09	
2+23		S end same garage			
2+24		N end. Garage 0.4' in alley Entrance on S. end earth floor			
2+40		S end same garage			
			6.0	326.3	
2+91	£	Single garage 5.5' E earth floor			
			5.4	326.9	

Same Garage.

Alley Blk 3 Frary Hts.

Sta	+	H.1	-	E.I.
		332.26		
{ 3402				
N end 2 car garage Entrance on				
South end 1.6' W. 5.10 327.16 Conc. floor				
{ 3420				
S end same garage 5.17 327.09				
3442				
Single garage 0.9' E.				
		5.83		326.43
Conc. floor				
4492				
Single garage 3' E earth floor				
		6.3		
0494				
Single garage 2.2' W. earth floor				
		5.8		
T.P.	4.97	331.12	6.11	326.15 T.P.
4444				
Single garage 4.8' E Wood floor				
		4.79		326.33
{ 4462				
N. side 2 car garage 6.9' W. Conc. floor				
		4.97		326.15
{ 4482				
S side same garage 6.6' W.				
		4.87		326.25
5707				
Single garage 6' E (1/2 2.2 E) Conc. floor				
		5.63		325.49
T.P.	4.54	330.15	5.71	325.41
5730				
Single garage 4.5' W Conc. floor				
		4.79		
ok				
		7.41		322.74

Notes on Alley Blk 184 Univ Hts. ⁶⁰⁴ ⁴⁵
(See P 34)

Sta	+	H.1	-	E.I.
		128		316.38
4758				
N end 7 car garage 7' W. Conc. floor				
		6.08		319.3
{ 1496				
Same garage 5.7' W				
		6.48		309.9
{ 1496				
Same garage 6.98 309.4				
{ 2423				
S end same garage 4.7' W				
		6.92		309.46
1478				
Single garage earth floor. 6.5' E.				
		3.6		312.8
T.P.	9.22	317.39	8.21	308.17
{ 2452				
2 car garage 13' E N end. earth floor.				
		8.6		
{ 2472				
S end same garage 12' E				
		8.4		
3408				
Single garage 4.5' E earth floor				
		6.8		
{ 3432				
N end 2 car garage 0.6' back wood floor N half. Conc. floor S. 1/2				
		4.12		313.27
{ 3452				
S end same garage 0.6' E				
		4.43		312.98
{ 3452				
N end 3 car garage 0.6' E earth floor				
		4.6		312.8
{ 3476				
S end same garage 0.6' E				
		4.8		312.6

Louder
Isbel

May 8-28

X Sections Cooper St.

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Continued Fr. Book 1235 P. 80

Sta	+	H.I.	-	E.I.
		317.39		
3+56	⊥			
of single garage 7.3' W. earth floor.				
		4.7		312.7
4+09	⊥			
single garage 1.2' W. Conc. floor				
		4.54		312.83
4+02				
1 car garage Nend. 0.5' E earth floor.				
		4.5		312.9
4+41				
S end same garage 0.3' E				
		4.5		312.9
4+47	⊥			
single garage 0.3' E Conc. floor				
		4.42		
4+42				
Nend of single garage 8.5' W				
4+53				
S end same garage 0.5' W				
Garage sets on drape with w.t. Conc. floor.				
		4.94		312.95
5+03				
2 car ^{0.6' E} garage Nend. earth floor.				
		5.1		
5+23				
S. end same garage 0.4' E				
		5.3		
5+28				
Nend 2 car garage 0.5' E earth floor				
		5.4		
5+48				
S end same garage 0.6' E				
		5.5		

Sta	+	H.I.	-	E.I.
3+00		260.79		
⊥			2.3	258.5
E'A			2.2	258.6
Ecb			2.2	258.6
E.L.			2.2	258.6
15'E			2.8	258.0
3+25				
15'E			5.7	255.1
9'E			4.5	256.3
E.L.			3.8	257.0
Ecb			3.4	257.4
E'A			3.2	257.6
⊥			3.2	257.6
W'A			3.7	257.1
+5			3.9	256.9
Web			4.7	256.1
W.L.			5.9	254.9
house 4' W.			5.40	255.39
3+50				
15' W			8.1	252.7
9' W			6.9	253.9
W.L.			5.9	254.9
Web			5.3	255.5
W'A			4.8	256.0
⊥			4.5	255.3

Garage Figned
5/28/28 T.G.H.

Sta	+	H.I	-	E.I.
3+50		260.79		
±+5			4.3	256.5
E/A			4.5	256.3
+5			4.5	256.3
Ecb			5.0	255.8
E.L.			6.0	254.8
15'E			7.8	253.0
3+75	↓			
15'E			11.1	249.7
E.L			9.1	251.7
Ecb			8.1	252.7
E/A			7.1	253.7
+5			6.7	254.1
±			6.5	254.3
w/a			6.3	254.5
wcb			6.3	254.5
w.L.			7.0	253.8
10'w			8.3	252.5
20'w			10.0	250.8
4+00	↓			
House	6' w.		8.28	252.51
w.L			8.9	251.9
wcb			8.7	252.1
w/a			8.7	252.1
±			9.2	251.6

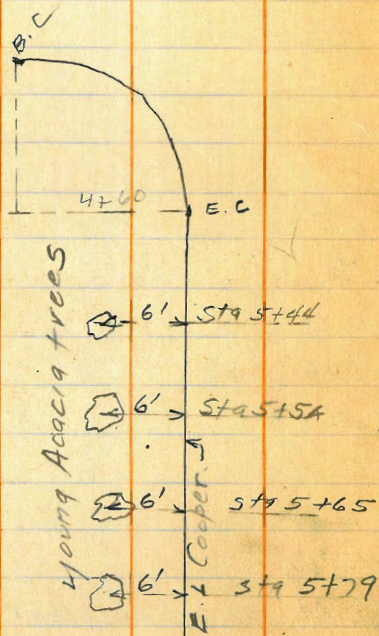
Sta	+	H.I	-	E.I.
4+00		260.79		
E/A			10.2	250.6
Ecb			11.2	249.6
E.L.			12.5	248.3
20'E			14.9	245.9
4+25	↓			
20'E			18.8	242.0
E.L.			15.9	244.9
Ecb			14.8	246.0
E/A			13.8	247.0
±			13.0	247.8
w/a			12.4	248.4
wcb			12.0	248.8
w.L.			12.0	248.8
13'w			12.5	248.3
20'w			13.5	247.3
T.P.	163	250.35	12.07	248.72
4+50	↓			
25'w			6.6	243.8
w.L			5.4	245.0
wcb			5.4	245.0
w/a			5.6	244.8
±			6.1	244.3
E/A			7.2	243.2
Ecb			8.5	241.9

Sta	+	H.I	-	E.I.
4+50		250.35		
E.L.			10.2	240.2
13'E			12.4	238.0
25'E			14.5	235.9
4+75	↓			
30'E			21.1	229.3
15'E			18.0	232.4
E.L.			17.1	233.3
Ecb			13.4	237.0
E'4			11.8	238.6
±			10.2	240.2
w'4			9.1	241.3
wcb			8.6	241.8
w.l			8.6	241.8
15'w			9.2	241.2
30'w			10.2	240.2
4+996	= End of Cooper ↓			
30'w			13.5	236.9
13'w			11.5	238.9
w.l			11.0	240.4
wcb			11.2	239.2
w'4			12.0	238.4
±			12.8	237.6
E'4			13.8	236.6
Ecb			15.7	234.7

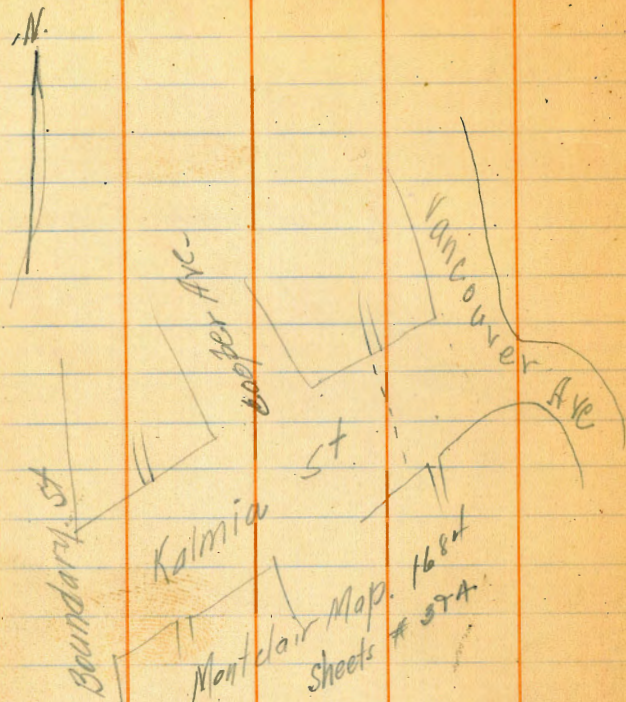
Sta	+	H.I	-	E.I.
4+9196		250.35		
E.L.			17.9	232.5
15'E			21.6	228.8
35'E			25.5	224.9
Section on N.L. Hartons Purchase				
40'E			35.8	214.6
15'E			26.4	224.0
E.L.			21.8	228.6
Ecb			18.5	231.9
E'4			16.0	234.4
±			14.4	236.0
w'4			12.8	237.6
wcb			11.6	238.8
w.l			11.1	239.3
13'w			10.8	239.6
26'w			11.5	238.9
40'w			12.6	237.8
B.M.	Nail in 13/2 at S. end of Cooper	9.01		241.34
T.P.	11.18	260.28	1.25	249.10
T.P.	12.40	272.07	0.61	259.67
B.M.	Nail in hole SW. Kalmia 300 paces	9.58		262.49
T.P.	11.00	282.47	0.60	271.47
T.P.	12.85	294.23	1.09	291.38
B.M.	Nail in post E.L. Boundary	2.46		291.77
T.P.	9.77	302.17	1.83	292.40

Nail in Pole
sw

sta	+	H.I	-	El.
		302.17		
T.P	7.43	306.55	3.05	299.12
T.P	4.00	304.21	6.34	300.21
B.M	Beginning B.M	0.61	303.66	(303.69) Nile.



Sketch of trees in
First Block of Cooper
South, See Book 1235



Cross-sections Kalmia From E.L. Cooper to W.L. Vancouver.

May 9-28 '53

Louden Tebell.

Sta	+	H.I.	-	E.I.
BM-	12.44.	27493		26249
0+00 = E.L. Cooper				
S.L			44	270.5
Scb			4.1	270.8
S'4			4.0	270.9
±			3.8	271.1
N'4			3.9	271.0
Ncb			3.9	271.0
N.L			3.7	271.2
0+10				
N.L.			2.8	272.1
Ncb			3.1	271.8
N'4			3.2	271.7
±			3.3	271.6
S'4			3.3	271.6
Scb			3.4	271.5
S.L			3.5	271.4
0+37				
S.L			2.7	272.2
Scb			2.5	272.4
S'4			2.3	272.6
±			2.0	272.9
N'4			1.9	273.0
+3			2.7	272.7
+6			1.9	273.0

Nail in Pole
S.W. Kalmia Cooper

Plotted 5-15-28-53

Kalmia

274.93

Sta	+	H.I	-	E.I.
0+37				
Ncb			1.9	273.0
N.L			1.5	273.4
0+50				
N.L.			1.4	273.5
Ncb			1.6	273.3
+6			1.9	273.0
N'4			1.8	273.1
⊕			1.8	273.1
S'4			2.2	272.7
+2			2.4	272.5
Scb			2.3	272.6
S.L			2.4	272.5
10'S			2.8	272.1
0+75				
10'S			2.2	272.7
S.L			1.9	273.0
Scb			1.8	273.1
+7			2.1	272.8
S'4			2.0	272.9
⊕			1.6	273.3
N'4			1.5	273.4
Ncb			1.3	273.6
N.L			1.0	273.9
10'N			0.9	274.0

Sta	+	H.I	-	E.I
1+00		274.93		
N.L			0.8	274.1
Ncb			0.9	274.0
N'4			1.1	273.8
⊕			1.2	273.7
+4			1.1	273.8
S'4			1.4	273.5
Scb			1.6	273.3
S.L			2.0	272.9
10'S			2.2	272.7
1+25				
10'S			1.9	273.0
S.L.			1.4	273.5
Scb			1.0	273.9
S'4			1.7	273.8
+6			0.7	274.2
⊕			0.7	274.2
N'4			0.7	274.2
Ncb			0.4	274.5
N.L			0.0	274.9
T.P.	387	278.15	0.65	274.28
1+50 = w.L				
10'N			3.3	274.9
N.L			3.6	274.6
Ncb			3.8	274.4

Kalmia

278.15

Sta	+	H.I	-	EI
1+50				
N/4			3.9	274.3
£			4.0	274.2
S/4			4.5	273.7
Scb			4.5	273.7
S.L			4.7	273.5
10'S			4.7	273.5
1470 - E.L. Alley				
10'S			4.7	273.5
S.L			4.6	273.6
Scb			4.4	273.8
S/4			4.4	273.8
+8			4.0	274.2
£			4.1	274.1
N/4			4.0	274.2
Ncb			3.8	274.4
N.L			3.6	274.6
10'N			3.5	274.7
2+20 = W.L. Alley				
10'N			3.4	274.8
N.L			3.5	274.7
+6			3.5	274.7
Ncb			3.9	274.3
+5			4.2	274.0
N/4			4.2	274.0

55

Sta	+	H.I	-	EI
2+00		278.15		
£			4.3	273.9
+2			4.3	273.9
S/4			4.5	273.7
Scb			4.6	273.6
S.L			4.5	273.7
10'S			4.6	273.6
2+20 = E.L. Alley				
10'S			5.0	273.2
S.L			5.0	273.2
Scb			5.0	273.2
S/4			5.1	273.1
£			4.8	273.4
N/4			4.6	273.6
+4			4.7	273.5
Ncb			4.2	274.0
N.L			4.3	273.9
10'N			4.2	274.0
2+50				
10'N			5.5	272.7
N.L			5.6	272.6
Ncb			5.7	272.5
+5			5.9	272.3
N/4			5.8	272.4
£			6.2	272.0

Kalmia

56

Sta	+	H.I	-	EI
2+50		278.15		
S'A			6.3	271.9
+3			6.6	271.6
Scb			6.3	271.9
S.L			6.5	271.7
10'S			6.5	271.7
2+80 = B.C. on S.L				
18'S			8.5	269.7
S.L			8.1	270.1
Scb			7.6	270.6
+4			7.5	270.7
S'A			7.6	270.6
±			7.2	271.0
+7			6.8	271.4
N'A			6.9	271.3
+5			7.0	271.2
Ncb			6.6	271.6
N.L			6.1	272.1
10'N			5.9	272.3
3+00				
10'N			7.0	271.2
N.L			7.1	271.1
Ncb			7.1	271.1
N'A			7.6	270.6
+3			7.4	270.8

Sta	+	H.I	-	EI.
3+00		278.15		
±			7.8	270.4
+9			8.0	270.2
S'A			8.3	269.9
+6			8.1	270.1
Scb			8.3	269.9
S.L.			8.7	269.5
0.5'S. B (on curve)			8.8	269.4
15'S			9.7	268.5
3+20.5 = W.L. Vancouver				
15'S			10.2	268.0
2.5'S B (on curve)			9.4	268.8
S.L			9.3	268.9
Scb			8.9	269.3
S'A			8.9	269.3
±			8.5	269.7
N'A			8.4	269.8
Ncb			8.0	270.2
N.L			7.8	270.4
10'N			7.7	270.5
T.P	0.67	274.45	4.39	273.76
			11.95	262.50
T.P			1.20	273.25

7.47

May 9-28

Cross-sections Kalmia from
E.L. Boundary to W.L. Cooper.

Sta.	+	H.I.	-	E.I.
T.P.	7.49	280.74		273.25
0+00 = E.L. Boundary.				
10' N			1.4	279.3
N.L			1.7	279.0
Ncb			2.2	278.5
N/A			2.6	278.1
⊕			3.0	277.7
S'A			3.6	277.1
Scb			4.0	276.7
S.L.			4.5	276.2
7' S			5.0	275.7
0+25				
12' S			8.9	271.8
S.L			7.9	272.8
Scb			7.4	273.3
S'A			6.9	273.8
⊕			6.6	274.1
N'A			5.9	274.8
Ncb			5.8	274.9
N.L			5.5	275.2
12' N			5.0	275.7
0+50				
14' N			8.9	271.8
N.L			9.0	271.7

57

Sta	+	H.I.	-	E.I.
0+50		280.74		
Ncb			9.6	271.1
N'A			10.0	270.7
⊕			10.4	270.3
S'A			11.1	269.6
Scb			12.0	268.7
S.L			11.9	268.8
14' S			12.0	268.7
0+75				
15' S			18.0	262.7
S.L			16.6	264.1
Scb			16.0	264.7
S'A			15.5	265.2
⊕			14.7	266.0
N'A			14.6	266.1
Ncb			14.2	266.5
N.L			13.6	267.1
16' N			12.9	267.8
T.P	0.97	268.98	12.83	267.91
1+00				
18' N			6.4	262.5
N.L			7.7	261.2
Ncb			8.0	260.9
N'A			9.1	259.8
⊕			9.5	259.4

Kalmia

Sta	+	H.I.	-	E.I.
1+00		268.88		
S'A			10.2	258.7
Scb			10.5	258.4
S.L			11.3	257.6
18'S			12.7	256.2
1+25				
25'S			19.4	249.5
S.L.			17.9	251.0
Scb			17.3	251.6
S'A			17.2	251.7
⊕			16.3	252.6
N'A			15.7	253.2
Ncb			14.4	254.5
N.L			14.0	254.9
23'N			13.3	255.6
T.P.	1.85	257.72	13.01	255.87
1+40				
30'N			8.0	249.7
N.L.			6.2	251.5
Ncb			7.6	250.1
N'A			8.6	249.1
⊕			9.3	248.4
S'A			9.9	247.9
Scb			10.4	247.3
S.L.			11.7	245.0

Sta	+	H.I.	-	E.I.
1+40		257.72		
30'S			15.4	242.3
T.P.	0.27	244.95	13.06	244.66
1+52				
30'S			8.4	236.5
S.L			4.7	240.2
Scb			3.1	241.8
S'A			3.3	241.6
⊕			2.9	242.0
N'A			1.7	243.2
Ncb			0.5	244.4
N.L			1.3	246.2
30'N			1.7	243.2
1+60				
30'N			3.7	241.2
N.L			2.5	242.4
Ncb			4.0	240.9
N'A			5.0	239.9
⊕			5.8	239.1
S'A			6.5	238.4
Scb			6.6	238.3
S.L			7.8	237.1
30'S			11.4	233.5
B.M.	4.51	244.27	5.19	239.76

Kalmia

Sta	+	H.I	-	E.I
1+74		244.27		
40' S		16.8		227.5
S.L.		14.3		230.0
Scb		13.2		231.1
S'A		18.8		232.5
♀		10.1		234.2
N'A		9.8		234.5
Ncb		7.8		236.5
N.L		7.4		236.9
20' N		8.8		235.5
40' N		11.3		233.0
1+93				
50' N		15.9		228.4
20' N		14.5		229.8
N.L.		12.3		232.0
Ncb		12.0		232.3
N'A		13.2		231.1
♀		14.3		230.0
S'A		16.7		227.6
Scb		18.8		225.5
S.L.		20.5		223.8
50' S		25.9		218.4
25' S		22.4		221.9

117

244.27
9.1

59

Sta	+	H.I	-	E.I.
1+95		244.27		
50' S			23.4	220.9
25' S			22.8	221.5
S.L			22.8	221.5
Scb			22.3	222.0
S'A			21.7	222.6
♀			20.8	223.5
N'A			19.9	224.4
Ncb			19.9	224.5
N.L			19.5	224.8
25' N			17.1	227.2
45' N			11.7	232.5
2+12				
45' N			4.0	240.3
25' N			7.4	236.9
N.L			10.5	233.8
Ncb			12.0	232.3
N'A			14.0	230.3
♀			15.4	228.9
S'A			18.0	226.3
Scb			15.2	229.1
S.L			14.3	230.0
20' S			14.1	230.2
30' S			14.6	229.7

Malmia

69

Sta	+	H-1	-	E1
579				
2+24		244.27		
30'S			10.6	233.7
15'S			9.7	234.6
S.L.			9.6	234.7
Scb			10.6	233.7
S'A			13.8	230.5
⊕			10.6	233.7
N'4			8.7	235.6
Ncb			6.4	237.9
N.L			5.5	238.8
25'N			2.1	242.2
T.P	12.51	255.11	1.67	242.60
2+42				
25'N			5.0	250.1
N.L			8.0	247.1
Ncb			9.6	245.5
N'4			13.1	242.0
⊕			18.2	236.9
73			19.8	235.3
S'4			17.4	237.7
Scb			14.8	240.3
S.L			14.0	241.1
25'S			12.1	243.0

Sta	+	H-1	-	E1
579				
2+56		255.11		
20'S			7.2	247.9
S.L			7.4	247.7
Scb			9.2	245.9
S'4			10.7	244.4
⊕			12.3	242.8
+5			14.0	241.1
N'4			12.4	242.7
Ncb			6.1	249.0
N.L			2.9	252.2
T.P	10.10	265.13	0.08	255.03
20'N			9.9	255.2
2+86				
15'N			3.8	261.3
N.L			7.0	258.1
Ncb			12.1	253.0
N'4			10.2	254.9
⊕			9.3	255.8
S'4			8.7	256.4
Scb			8.3	256.8
S.L			8.1	257.0
15'S			8.2	256.9
3+10 ^E	= W.L. Cooper			
S.L			3.9	261.2
Scb			3.7	261.4

Kalmia

Sta	H.I.	El.
3+10 ⁵	265.13	
5/4	3.0	261.7
±	3.2	261.9
N/2	3.0	262.1
Ncb	2.6	262.5
+5	2.6	262.5
N.L.	1.8	263.3
B.M. Nail Pole s.w. ^{Cooper} Kalmia	2.63	262.50

X sec. Maple from W.L. Vancouver to
Haller. Vancouver & Maple 60' wide
40' Roadway.

61

B.M.	5.88	297.65	291.77
	0.22	285.60	12.27 285.38
	3.64	276.79	12.45 273.15

295.88
B.M. Book

Nail in Post
E.L. Boundary

W.L. Vancouver

S.L.	4.3	272.5
cb	4.5	
+5	4.7	
1/4	4.5	
+8	4.4	
±	4.5	272.3
1/4	4.7	
cb	5.1	
N.L.	5.4	271.4

Plotted
7-9-28
T.G.H.

Wcb line Vancouver

N.L.	5.0	271.8
cb	4.9	
+5	4.9	
1/4	4.6	
d	4.5	272.3
+5	4.6	
1/4	4.6	
cb	4.6	
+4	4.5	
S.L.	4.6	272.2

Maple

276.79

W 1/4 line Vancouver

S.L.	4.8	272.0
cb	4.6	
1/4	4.7	
+6	4.6	
♀	4.7	272.1
+2	4.7	
1/4	4.9	
+5	5.0	
cb	4.9	
N.L.	5.0	271.8
♀ Vancouver		
N.L.	4.9	271.9
cb	4.10	
+6	5.1	
1/4	5.0	
+6	4.9	
♀	4.9	271.9
1/4	4.9	
cb	4.9	
S.L.	4.9	271.9

276.79

E 1/4 line Vancouver

S.L.	5.3	271.5
+5	5.2	
cb	5.2	
1/4	5.3	
+9	5.2	
♀	5.2	271.6
+1	5.3	
+5	5.2	
1/4	5.3	
+5	5.3	
cb	5.2	
N.L.	5.1	271.7
E cb line Vancouver		
N.L.	5.2	271.6
cb	5.2	
+4	5.5	
1/4	5.4	
+3	5.4	
+7	5.6	
♀	5.5	271.3
+2	5.6	
+4	5.4	
1/4	5.5	
+5	5.8	
cb	5.6	
S.L.	5.7	271.1

Maple

276.79

0+00 = E.L. Vancouver

S.L.	6.2	270.6
cb	6.0	
+5	6.1	
1/4	5.8	
+4	5.6	
±	5.8	271.0
+7	5.7	
1/4	5.7	
+5	5.9	
+8	5.6	
cb	5.5	
N.L.	5.4	271.4
0+25		
N.L.	5.6	271.2
+4	5.6	
cb	5.9	
+3	5.9	
+5	6.2	
1/4	6.2	
+5	6.4	
±	6.5	270.3
+8	6.4	
1/4	6.5	
+5	6.9	
+7	6.8	

63

0+25

S cb	6.8	
S L	7.1	269.7
0+50		
S.L.	8.2	268.6
cb	7.7	
+1	7.7	
+3	7.8	
1/4	7.3	
+5	7.2	
±	7.2	269.6
+3	7.3	
+6	7.1	
1/4	7.0	
+6	6.9	
cb	6.6	
N.L.	6.4	270.4
0+64	±	
N.L.	6.7	270.1
cb	7.0	
+2	7.1	
+3	7.3	
1/4	7.3	
±	7.5	269.3
+6	7.5	
1/4	7.8	

Maple

276.79

+5	8.3	
cb	8.5	
+4	9.2	
+7	9.6	
+9	9.8	
S.L.	9.3	267.5
10's	9.8	
0+68		
10's	13.3	
S.L.	11.8	265.0
+3	11.2	
+5	9.9	
+7	8.9	
cb	8.7	
+5	8.4	
1/4	7.9	
+5	7.5	
±	7.5	269.3
1/4	7.4	
+7	7.4	
+8	7.0	
cb	7.0	
N.L.	6.8	270.0

0+97

276.79

N.L.	6.8	270.0
cb	7.1	
+4	7.6	
1/4	7.4	
±	7.6	269.2
+6	7.6	
1/4	8.1	
+6	8.6	
cb	9.1	
+2	9.8	
+4	10.1	
+8	12.0	
S.L.	12.3	264.5
3's	12.6	
6's	13.4	
10's	14.2	
B.M. 6.6	5.40	277.55
0+84		
10's	15.0	
8's	13.5	
3's	11.7	
S.L.	10.0	267.6
cb	9.2	
+4	9.0	
+7	9.0	

64

Hub NE
Lanceport
& Maple

Maple

65

0+84	277.55	
S'A	8.6	
+5	8.3	
4	8.3	269.3
1/4	8.1	
+5	8.2	
cb	8.0	
+1	7.7	
N.L.	7.5	270.1
1+00		
N.L.	6.9	270.7
cb	7.3	
+3	7.3	
+4	7.6	
1/4	7.8	
4	8.0	269.6
+8	8.1	
1/4	8.3	
cb	8.8	
+8	9.1	
S.L.	9.3	268.3
5'S	9.6	
10'S	10.2	

1+25	277.55	
S.L.	8.1	269.5
+6	7.8	
cb	7.4	
+8	7.1	
1/4	6.9	
+5	6.7	
4 1/4	6.7	270.9
+6	6.5	
1/4 4	6.2	
+7	6.0	
+8	5.8	
cb	5.6	
+5	5.4	
N.L.	5.3	272.3
1+50 = w.L. Alley		
N.L.	4.5	273.1
cb	4.9	
+2	5.3	
+8	5.5	
1/4	5.5	
4	5.7	271.9
+8	5.8	
1/4	5.7	
+8	6.6	
cb	6.4	

Maple

66

1+50	277.55		
SL	7.1	270.5	
1+70 = EL	Alley		
SL	6.3	271.3	
cb	5.9		
+3	6.0		
1/4	5.2		
+	5.3	272.3	
+5	5.2		
1/4	5.2		
+7	5.0		
+8	4.6		
cb	4.6		
N.L.	4.2	273.4	
2+00			
N.L.	4.0	273.6	
cb	4.1		
+2	4.1		
+3	4.4		
1/4	4.4		
+	4.6	273.0	
+7	4.5		
1/4	4.8		
+5	5.3		
cb	5.3		
+8	5.4		
SL	5.7	271.9	

2+25	277.55		
SL	5.2	272.4	
cb	4.8		
+5	4.8		
1/4	4.4		
+3	4.2		
+	4.3	273.3	
1/4	4.2		
+4	4.3		
+7	4.1		
+8	3.9		
cb	3.8		
N.L.	3.6	274.0	
2+50			
N.L.	3.3	274.3	
cb	3.5		
+2	3.5		
+4	3.8		
1/4	3.8		
+	3.8	273.8	
+3	3.7		
+9	3.9		
1/4	4.1		
+5	4.4		
+8	4.3		
cb	4.3		
SL	4.5	273.1	

Maple

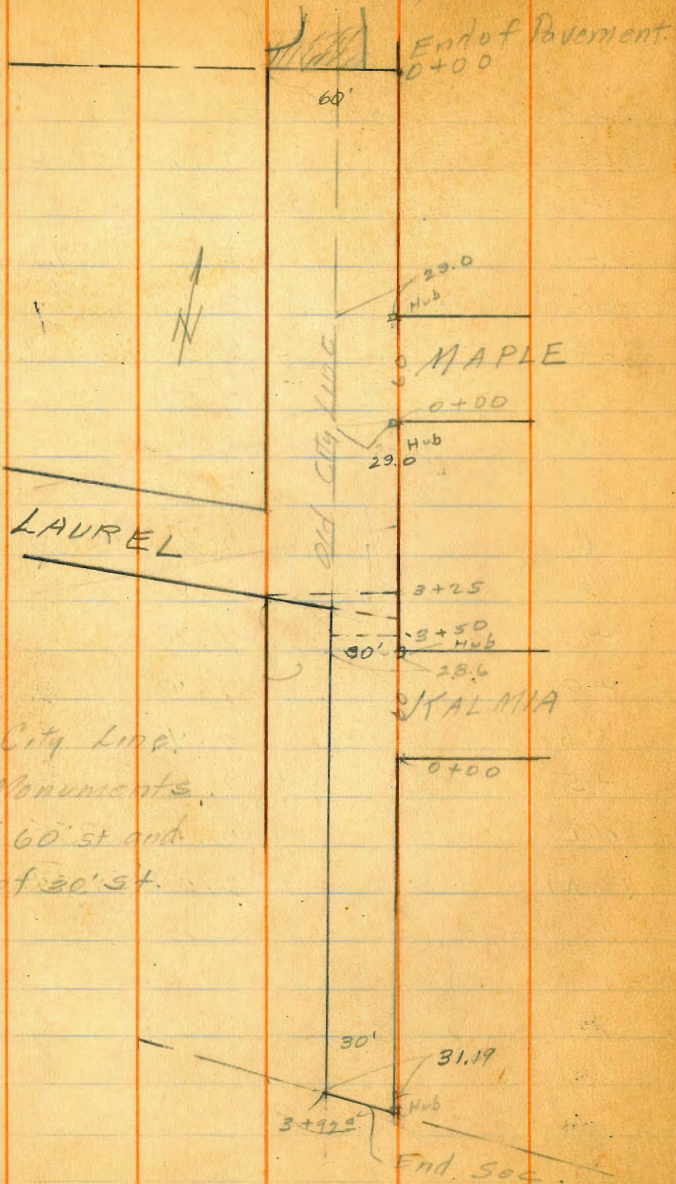
2775	27755	
S.L.	4.1	2735
+5	3.9	
cb	3.9	
+2	3.9	
+3	4.1	
1/4	3.7	
+7	3.4	
¢	3.5	274.1
+8	3.5	
1/4	3.4	
+6	3.4	
cb	3.2	
+5	3.1	
N.L.	2.9	274.7
3+00		
N.L.	2.5	275.1
cb	2.6	
+2	2.8	
+4	3.1	
1/4	3.2	
¢	3.2	274.4
+3	3.1	
+8	3.3	
1/4	3.6	
+6	3.8	
cb	3.7	

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3+00	277.55	
S.L.	4.0	273.6
3+25 = W.L.	Haller.	
S.L.	3.3	274.3
+5	3.1	
cb	3.3	
+3	3.5	
1/4	3.1	
+6	2.6	
¢	2.6	275.0
1/4	2.7	
+6	2.7	
+8	2.4	
cb	2.4	
+5	2.2	
N.L.	2.1	275.5
B.M.	2.08	275.47

Hub N.W.
Maple & Haller.

Cross-section Boundary St.



Note:
Used City Line
as per Monuments
for $\frac{1}{4}$ of 60' st and
w. line of 30' st.

From End of Pavement to South Termination

60' wide
10' cb
10' 10' 5'
TCH.

7 Jun 7-28
Leidinger
299.12
35
291.77

68

Nail in Post
E.C. Boundary

BM	11.77	303.54		
0+00 = End Pavement				
w.l.	Pav	5.49		299.05
cb	Pav	5.39		298.15
$\frac{1}{4}$	Pav	5.26		299.28
$\frac{1}{2}$	Pav	5.16		298.38
$\frac{3}{4}$	Pav	5.24		298.30
9ft.	Pav.	5.41		299.13
top cb		4.67		299.87
cb ground		5.0		299.59
+3		4.6		298.9
EL.		4.3		299.2
0+20				
EL.		4.5		299.0
+5		4.9		298.6
cb		4.8		298.7
+5		5.2		298.3
+6		5.1		298.4
$\frac{1}{4}$		5.2		298.3
+7		5.1		298.4
$\frac{1}{2}$		5.5		298.0
+6		5.2		298.3
$\frac{1}{4}$		5.2		298.3
+5		5.3		298.2
cb		5.4		298.1
+3		5.2		298.3
w.l.		5.4		298.1

Plotted 7-17-28 C.B.H.
Grade figured 8-13-28 T.G.H.

Station	303.54		
0+40			
w.l.	5.7	297.8	
+8	5.3	298.2	
cb	5.3	298.2	
+5	5.3	298.2	
1/4	5.1	298.4	
+6	4.7	298.8	
ϕ	4.6	298.9	
+7	4.5	299.0	
1/4	4.7	298.8	
+8	4.6	298.9	
cb	4.7	298.8	
+5	4.4	299.1	
E.L.	4.3	299.2	
0+45			
E.L.	4.6	298.9	
+8	4.5	299.0	
cb	4.6	298.9	
+7	4.9	298.6	
1/4	5.1	298.4	
+6	4.9	298.6	
ϕ	5.0	298.5	
1/4	5.3	298.2	
+7	5.3	298.2	
+9	5.2	298.3	
cb	5.3	298.2	
+2	5.7	297.8	

Station	303.54		
0+55			
wcb +3	5.5	298.0	
w.l.	5.8	297.7	
1+00			
w.l.	5.8	297.7	
cb	5.5	298.0	
1/4	5.5	298.0	
ϕ	5.4	298.1	
1/4	5.2	298.3	
cb	5.0	298.5	
+4	4.7	298.9	
E.L.	4.6	298.9	
1+25			
E.L.	4.4	299.1	
cb	4.7	298.8	
+7	5.0	298.5	
1/4	4.9	298.6	
+5	4.7	298.8	
ϕ	4.8	298.7	
+6	5.0	298.5	
1/4	5.1	298.4	
cb	5.4	298.1	
w.l.	5.6	297.9	

1450	303.54		
wL	5.6	297.9	
cb	5.2	298.3	
1/4	4.6	298.9	
⊕	4.6	298.9	
1/4	4.6	298.9	
cb	4.5	299.0	
+8	4.1	299.4	
E.L.	4.1	299.4	
1475			
E.L.	4.1	299.4	
+4	4.1	299.4	
+5	4.4	299.1	
cb	4.4	299.1	
+5	4.5	299.0	
1/4	4.5	299.0	
+5	4.6	298.9	
⊕	4.6	298.9	
+6	4.7	298.8	
1/4	4.7	298.8	
+5	4.9	298.6	
cb	5.1	298.4	
+5	5.2	298.3	
wL	5.5	298.0	

79

2400	303.54		
wL	5.5	298.0	
cb	5.2	298.3	
1/4	4.8	298.7	
+5	4.6	298.9	
⊕	4.7	298.8	
1/4	4.5	299.0	
+8	4.4	299.1	
cb	4.5	299.0	
E.L.	4.3	299.2	
2425			
E.L.	4.6	298.9	
+3	4.5	299.0	
cb	4.8	298.7	
+5	4.8	298.7	
1/4	4.6	298.9	
+6	4.7	298.8	
⊕	4.8	298.7	
1/4	5.0	298.5	
+7	4.9	298.6	
wL	5.6	297.9	
2430			
wL	5.5	298.0	
cb	5.2	298.3	
1/4	5.0	298.5	
⊕	4.9	298.6	

2+50

303.54

E/A	4.9	298.6
+5	5.0	298.5
cb	5.1	298.4
+6	4.6	298.9
E.L.	4.7	298.8
2+7.5		
E.L.	5.2	298.3
+3	5.1	298.4
cb	5.5	298.0
+4	5.7	297.8
+8	5.5	298.0
1/4	5.4	298.1
ϕ	5.4	298.1
1/4	5.4	298.1
cb	5.5	298.0
+6	5.5	298.0
w.L.	5.8	297.7
3+0.0		
w.L.	5.9	297.6
+5	5.6	297.9
cb	5.7	297.8
1/4	5.5	298.0
ϕ	5.7	297.8
1/4	5.8	297.7
+5	6.1	297.4
+7	5.5	297.6

303.54

Ecb.	6.0	297.5
+5	5.8	297.7
+8	5.9	297.6
E.L.	5.7	297.8
3+7.5		
E.L.	6.0	297.5
+6	6.1	297.4
cb	6.4	297.1
+5	6.4	297.1
+9	6.3	297.2
1/4	6.0	297.5
ϕ	5.8	297.7
1/4	5.6	297.9
cb	5.8	297.7
+8	5.9	297.6
w.L.	6.1	297.4
3+5.0		
w.L.	6.3	297.2
+5	6.0	297.5
cb	6.1	297.4
1/4	6.3	297.2
ϕ	6.4	297.1
1/4	6.5	297.0
+5	6.8	296.7
cb	6.8	296.7
+3	6.4	297.1

3+50			
Ecb +5	303.54	6.2	297.3
E.L.		6.3	297.2
3+75			
E.L.		6.7	296.8
+5		6.7	296.8
cb		7.1	296.4
1/4		7.0	296.5
+1		6.9	296.6
+8		6.8	296.7
1/4		6.7	296.8
1/4		6.6	296.9
cb		6.4	297.1
+4		6.1	297.4
w.L.		6.4	297.1
H+00			
w.L.		6.6	296.9
+5		6.4	297.1
cb		6.4	297.1
1/4		6.8	296.7
1/4		7.0	296.5
+8		7.2	296.2
1/4		7.4	296.1
+8		7.5	296.0
cb		7.3	296.2
+3		7.0	296.5
E.L.		7.0	296.5

	303.54		
H+25.4 = N.L. Maple			
E.L.		7.3	296.2
cb		7.7	295.8
+8		7.8	295.7
1/4		7.6	295.9
+3		7.4	296.1
1/4		7.4	296.1
+5		7.4	296.1
1/4		7.3	296.2
cb		7.2	296.3
+5		7.1	296.4
w.L.		7.2	296.3
Ncb line Maple			
w.L.		7.4	296.1
cb		7.2	296.3
1/4		7.5	296.0
1/4		7.4	296.1
+7		7.3	296.2
1/4		7.6	295.9
+2		7.9	295.6
+5		7.8	295.7
cb		7.7	295.8
E.L.		7.6	295.9

303.54

N 1/4 line Maple

E.L.	7.7	295.8
cb	7.9	295.6
+5	8.0	295.5
1/4	7.8	295.7
+5	7.5	296.0
±	7.6	295.9
1/4	7.7	295.8
+5	7.7	295.8
cb	7.5	296.0
+4	7.2	296.3
+5	7.4	296.1
w.L.	7.4	296.1
± Maple		
w.L.	7.6	295.9
+6	7.5	296.0
cb	7.7	295.8
1/4	7.9	295.6
±	7.9	295.6
1/4	8.0	295.5
+5	8.3	295.2
cb	8.1	295.4
E.L.	7.7	295.6

302.54

S 1/4 line Maple

E.L.	8.2	295.3
cb	8.3	295.2
+4	8.4	295.1
+5	8.6	294.9
+6	8.4	295.1
1/4	8.3	295.2
+1	8.2	295.3
±	8.1	295.4
1/4	7.9	295.6
cb	7.9	295.7
+5	7.7	295.8
w.L.	7.8	295.7
Sub line Maple		
w.L.	7.2	295.7
+5	7.8	295.7
cb	7.9	295.6
1/4	7.9	295.6
±	8.2	295.3
1/4	8.4	295.1
+5	8.7	294.8
cb	8.4	295.1
+5	8.3	295.2
E.L.	8.3	295.2

303.54
0+00 = S.L. Maple

E.L.	8.4	295.1
+7	8.5	295.0
cb	8.7	294.8
+6	8.8	294.7
1/4	8.7	294.8
+3	8.4	295.1
♀	8.2	295.3
1/4	8.1	295.4
+4	7.9	295.6
cb	7.8	295.7
w.L.	7.7	295.8

0+25

w.L.	7.8	295.7
+5	7.7	295.8
cb	8.1	295.4
1/4	8.4	295.1
♀	8.7	294.8
+9	8.8	294.7
1/4	9.0	294.5
+2	9.2	294.2
+5	9.1	294.4
cb	9.0	294.5
E.L.	8.7	294.8

0+50

303.54

E.L.	9.0	294.5
cb	9.2	94.8
+3	9.5	94.0
+5	9.3	94.2
+8	9.4	94.1
1/4	9.3	94.2
+2	9.0	94.5
♀	9.0	294.5
1/4	8.8	94.7
cb	8.5	95.0
+5	8.4	95.1
w.L.	8.4	295.1

0+75

w.L.	8.9	294.6
cb	9.1	94.4
1/4	9.2	94.3
♀	9.2	294.3
+9	9.4	94.1
1/4	9.6	93.9
+2	9.8	93.7
+5	9.7	93.8
+8	9.8	93.7
cb	9.7	93.8
+6	9.4	94.1
E.L.	9.4	294.1

	303.54	
1400		
E.L.	9.8	293.7
+4	9.7	93.8
+5	9.9	93.6
cb	10.0	93.5
+2	10.2	93.3
+9	10.0	93.5
1/4	9.7	93.8
⊕	9.3	294.2
1/4	9.3	94.2
cb	9.4	94.1
w.l.	9.3	294.2
1+25		
w.l.	9.7	293.8
cb	9.8	93.7
1/4	10.0	93.5
⊕	10.1	93.4
1/4	10.2	293.3
+8	10.5	93.0
cb	10.5	93.0
+4	10.2	93.3
+9	10.0	93.5
E.L.	10.1	293.4

	303.54	
1+50		
E.L.	10.7	292.8
+4	10.6	92.9
+8	10.6	92.9
cb	11.0	92.5
+3	10.7	92.8
+8	10.75	92.8
+9	10.5	93.0
1/4	10.5	93.0
⊕	10.2	293.3
1/4	9.8	93.7
cb	9.7	93.8
+5	9.7	93.8
w.l.	10.1	293.4
T.P.	1.92	295.35
1+75		
w.l.	<u>295.4</u>	2.3
cb	1.9	93.5
1/4	1.9	93.5
⊕	2.4	293.0
1/4	2.6	92.8
+2	2.7	92.7
+5	3.1	92.3
+8	2.9	92.5
cb	3.1	92.3
+5	2.9	92.5
E.L.	2.9	292.5

295.35

2+00

E.L.	3.2	292.2
cb	3.2	92.0
+8	3.4	92.0
+9	3.1	92.3
1/4	3.1	92.3
4	3.0	292.4
1/4	2.9	92.5
cb	2.8	92.6
+4	2.6	92.8
w.L.	2.8	292.6

2+25

w.L.	2.6	292.8
cb	3.0	92.4
1/4	3.2	92.2
4	3.4	292.0
1/4	3.6	91.8
cb	3.9	91.5
+5	3.8	91.6
E.L.	3.7	291.7

2+50

E.L.	4.0	291.4
+5	4.2	91.2
cb	4.2	91.2
+4	4.3	91.1
+6	4.5	90.9

76

2+50

295.35

1/4	4.1	291.3
4	3.7	291.7
1/4	3.7	91.7
cb	3.6	91.8
+5	3.5	91.9
w.L.	3.5	291.9

2+75

w.L.	3.9	291.5
cb	4.2	91.2
1/4	4.3	91.1
+9	4.4	91.0
4	4.6	290.8
+8	4.6	90.8
1/4	4.9	90.5
+3	4.6	90.8
cb	4.5	90.9
+6	4.5	90.9
E.L.	4.5	290.9

3+00

E.L.	5.2	290.2
cb	5.1	90.3
1/4	5.0	90.4
4	4.9	290.5
1/4	4.9	90.5
+7	5.4	90.0
cb	5.4	90.0

295.35

3+00		
wcb + 5	5.5	289.7
w.L.	5.3	290.1
3+25 = S.L. Laurel.		
w.L.	5.3	290.1
cb	5.4	90.0
1/4	5.7	89.7
±	5.5	289.9
1/4	5.6	89.8
cb	5.8	89.6
E.L.	6.0	289.4
Sec. on S.L. Laurel.	60' section,	
E.L.	6.4	289.0
cb	6.4	89.2
1/4	5.9	89.5
±	5.7	289.7
1/4	5.6	89.8
+3	5.5	89.9
cb	5.4	90.0
+5	5.1	90.3
w.L.	5.2	290.2
Boundary = 30' St. Sec's. 30'-20' Roadway 5' cbs		
3+50 30' sec.	From Sta. 3+50 to end	
w.L.	6.2	289.2
cb	6.3	89.1
1/4	6.5	88.9

3+50

295.35

±	6.4	289.0
1/4	6.6	88.8
cb	6.8	88.6
E.L.	6.9	288.5
3+75		
E.L.	7.7	287.5
cb	7.7	87.7
1/4	7.6	87.8
±	7.5	287.9
1/4	7.5	87.9
+3	7.3	88.1
cb	7.3	88.1
w.L.	7.1	288.3
4+00		
w.L.	8.1	287.3
cb	9.3	87.1
+3	8.3	87.1
1/4	8.5	86.9
±	8.5	286.9
1/4	8.8	86.6
cb	9.0	86.4
E.L.	9.1	286.3
10'E	9.6	85.8

Continued in Book 1262 P.1

Grade Stakes Alley Valle Vista Terrace

sta	+	H.I	-	EL	Grade
BM.	4.92	355.99		351.07	
	6.76	360.52	2.23	353.76	
		360.52		351.07	
0+00N			6.53	353.99	354.0
0+00S			6.66	353.86	353.7
0+20N			5.22	355.30	354.7 C 0.60
0+20S			5.76	354.76	354.4 D 0.36
0+40N			5.15	355.27	355.1 C 0.27
0+40S			5.51	355.01	354.7 C 0.31
0+60N			5.10	355.42	355.2 C 0.22
0+60S			5.49	355.03	354.8 C 0.23
0+80N			4.89	355.63	355.0 C 0.63
0+80S			5.81	354.71	354.6 C 0.11
1+20N			5.55	354.97	354.2 C 0.77
1+20S		356.52	2.99	357.53	354.0 C 3.53
1+60N			2.80	353.72	353.4 C 0.32
1+60S			2.88	353.64	353.4 C 0.24
2+00N			3.85	352.67	352.5 C 0.17
2+00S			4.71	351.81	352.30 F 0.49
2+40N			5.12	351.40	351.2 C 0.20
2+40S			6.79	349.73	351.0 F 1.27
2+80N			7.21	349.31	349.46 F 0.15
2+80S			8.26	348.26	349.41 F 1.15
3+20N			8.67	347.85	347.72 C 0.13
3+20S			9.32	347.20	347.82 F 0.62

360.52
7.15
353.37
3.15
356.52

2.70
5.13
2.13
2.36
4.79

2.88
4.18
3.33
3.85
78
3.17
3.0
2.80

3+5549 N	356.52		346.18	
3+5549 S		10.20	346.32	346.41 F0.09
3+7324 S		10.91	345.61	345.67 F0.06
S		11.06	345.46	
N		10.35	346.17	
E		10.90	345.62	

346.17	345.81
345.46	
<hr/>	
21.71	346.51
35	

Valtair & Villa Dr
S.P.N.E. 96.26
Tennyson & Warrington
S.P.N.E. 85.68

1914

89

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side or shoulder stake for any width roadway, slope 1% to 1%. If ground is nearly level, the cut or fill at side

left column and top row. The number in body

IMPROVED TABLES
AND
INFORMATION

TABLE No. 2.

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of correction.

Degree of curve with a given L may be found by dividing tangent, (or external), opposite L by given tangent, (or external).

The distance from a point on the tangent to the curve is very nearly the square of the tangent length divided by twice the radius.

TABLE VI (continued)
SINES, COSINES, TANGENTS, COTANGENTS (continued)

deg.	sin 0'	tan 0'	sin 10'	tan 10'	sin 20'	tan 20'	sin 30'	tan 30'	sin 40'	tan 40'	sin 50'	tan 50'	deg.
46	7193	1.0355	7214	1.0416	7234	1.0477	7254	1.0533	7274	1.0599	7294	1.0661	43
47	314	.0724	333	.0786	353	.0850	373	.0913	392	.0977	412	1.041	42
48	431	.1106	451	.1171	470	.1237	490	.1303	509	.1369	528	1.436	41
49	547	.1604	566	.1571	585	.1640	604	.1708	623	.1778	642	1.847	40
50	660	1.1918	7679	1.1988	7698	1.2059	7716	1.2131	7735	1.2203	7753	1.2276	39
51	771	2349	790	2423	808	2497	826	2572	844	2647	862	2723	38
52	880	2799	898	2876	916	2954	934	3032	951	3111	969	3190	37
53	986	3270	8004	3351	8021	3452	8039	3514	8056	3597	8073	3680	36
54	8090	3764	107	3848	124	3934	141	4019	158	4106	175	4193	35
55	192	4281	208	4370	225	4460	241	4550	258	4641	274	4733	34
56	290	4826	307	4919	323	5013	339	5108	355	5204	371	5301	33
57	387	5399	403	5497	418	5597	434	5697	450	5798	465	5900	32
58	480	6003	496	6107	511	6212	526	6319	542	6426	557	6534	31
59	572	6643	587	6753	601	6864	615	6977	631	7090	646	7205	30
60	660	1.7321	8675	1.7437	8689	1.7556	8704	1.7675	8718	1.7797	8732	1.7917	29
61	746	.8040	760	.8165	774	.8291	788	.8418	802	.8546	816	.8676	28
62	829	.8807	843	.8940	857	.9074	870	.9210	884	.9347	897	.9486	27
63	910	.9626	923	.9768	936	.9912	949	2.0057	962	2.0204	975	2.0353	26
64	988	2.0503	9001	2.0655	9013	2.0809	9026	.0965	9038	.1123	9051	.1283	25
65	9063	.1445	075	.1609	088	.1775	100	.1943	112	.2113	124	.2286	24
66	135	.2460	147	.2637	159	.2817	171	.2998	182	.3183	194	.3369	23
67	205	.3559	216	.3750	228	.3945	239	.4142	250	.4342	261	.4545	22
68	272	.4751	283	.4960	293	.5172	304	.5386	315	.5605	325	.5826	21
69	336	.6051	346	.6279	356	.6511	367	.6746	377	.6985	387	.7228	20
70	397	2.7475	9407	2.7725	9417	2.7980	9426	2.8239	9436	2.8502	9446	2.8770	19
71	455	.9042	465	.9319	474	.9600	483	.9887	492	3.0178	502	3.0475	18
72	511	3.0777	520	3.1084	528	3.1397	537	3.1716	546	.2041	555	.2371	17
73	563	2.709	572	3.052	580	3.402	588	3.759	596	.4124	605	.4495	16
74	613	.4874	621	.5261	628	.5656	636	.6059	644	.6470	652	.6891	15
75	659	.7321	667	.7760	674	.8208	681	.8657	689	.9136	696	.9617	14
76	703	4.0108	710	4.0611	717	4.1126	724	4.1653	730	4.2193	737	4.2747	13
77	744	.3315	750	.3897	757	.4494	763	.5107	769	.5736	775	.6382	12
78	781	.7046	787	.7729	793	.8430	799	.9152	805	.9894	811	5.0658	11
79	816	.1446	822	5.2257	827	5.3093	833	5.3955	838	5.4845	843	.5764	10
80	9348	5.6713	9853	5.7694	9858	5.8708	9863	5.9758	9868	6.0844	9872	6.1970	9
81	877	6.3138	881	6.4348	886	6.5606	890	6.6912	894	.8269	899	.9682	8
82	903	7.1154	907	7.2687	911	7.4287	914	7.5958	918	7.7704	922	7.9530	7
83	925	8.1443	929	8.3450	932	8.5555	936	8.7769	939	9.0098	942	9.2553	6
84	945	9.5144	948	9.7882	951	10.078	954	10.385	957	10.711	959	11.059	5
85	962	11.430	964	11.826	967	12.250	969	12.706	971	13.197	974	13.727	4
86	976	14.300	978	14.924	980	15.605	981	16.350	983	17.169	985	18.075	3
87	986	19.081	988	20.206	989	21.470	990	22.903	992	24.542	993	26.432	2
88	994	28.636	995	31.242	996	34.368	997	38.189	997	42.964	998	49.104	1
89	9998	57.290	9999	68.750	9999	85.940	9999	114.58	1.000	171.88	1.000	343.77	0
deg.	60'	60'	50'	50'	40'	40'	30'	30'	20'	30'	10'	10'	deg.
	cos	cot	cos	cot	cos	cot	cos	cot	cos	cot	cos	cot	

TABLE VII
RODS IN FEET AND INCHES

Rods	Feet Inches	Rods	Feet Inches	Rods	Feet Inches	Rods	Feet Inches	Rods	Feet Inches
1	16-6	21	346-6	41	678-6	61	1006-6	81	1336-6
2	33-0	22	363-0	42	693-0	62	1023-0	82	1353-0
3	49-6	23	379-6	43	709-6	63	1039-6	83	1369-6
4	66-0	24	396-0	44	726-0	64	1056-0	84	1386-0
5	82-6	25	412-6	45	742-6	65	1072-6	85	1402-6
6	99-0	26	429-0	46	759-0	66	1089-0	86	1419-0
7	115-6	27	445-6	47	775-6	67	1105-6	87	1435-6
8	132-0	28	462-0	48	792-0	68	1122-0	88	1452-0
9	148-6	29	478-6	49	808-6	69	1138-6	89	1468-6
10	165-0	30	495-0	50	825-0	70	1155-0	90	1485-0
11	181-6	31	511-6	51	841-6	71	1171-6	91	1501-6
12	198-0	32	528-0	52	858-0	72	1188-0	92	1518-0
13	214-6	33	544-6	53	874-6	73	1204-6	93	1534-6
14	231-0	34	561-0	54	891-0	74	1221-0	94	1551-0
15	247-6	35	577-6	55	907-6	75	1237-6	95	1567-6
16	264-0	36	594-0	56	924-0	76	1254-0	96	1584-0
17	280-6	37	610-6	57	940-6	77	1270-6	97	1600-6
18	297-0	38	627-0	58	957-0	78	1287-0	98	1617-0
19	313-6	39	643-6	59	973-6	79	1303-6	99	1633-6
20	330-0	40	660-0	60	990-0	80	1320-0	100	1650-0

TABLE VIII
LINKS IN FEET AND INCHES

Links	Feet Inches	Links	Feet Inches	Links	Feet Inches	Links	Feet Inches	Links	Feet Inches
1	0-7.92	18	11-10.56	35	23-1.20	52	34-3.84	69	45-6.48
2	1-3.84	19	12-6.48	36	23-9.12	53	34-11.76	70	46-2.40
3	1-11.76	20	13-2.40	37	24-5.04	54	35-7.68	71	46-10.32
4	2-7.68	21	13-10.32	38	25-0.96	55	36-3.60	72	47-6.24
5	3-3.60	22	14-6.24	39	25-8.88	56	36-11.52	73	48-2.16
6	3-11.52	23	15-2.16	40	26-4.80	57	37-7.44	74	48-10.08
7	4-7.44	24	15-10.08	41	27-0.72	58	38-3.36	75	49-6.00
8	5-3.36	25	16-6.00	42	27-8.64	59	38-11.28	76	50-1.92
9	5-11.28	26	17-1.92	43	28-4.56	60	39-7.20	77	50-9.84
10	6-7.20	27	17-9.84	44	29-0.48	61	40-3.12	78	51-5.76
11	7-3.12	28	18-5.76	45	29-8.40	62	40-11.04	79	52-1.68
12	7-11.04	29	19-1.68	46	30-4.32	63	41-6.96	80	52-9.60
13	8-6.96	30	19-9.60	47	31-0.24	64	42-2.88	81	53-5.52
14	9-2.88	31	20-5.52	48	31-8.16	65	42-10.80	82	54-1.44
15	9-10.80	32	21-1.44	49	32-4.08	66	43-6.72	83	54-9.36
16	10-6.72	33	21-9.36	50	33-0.00	67	44-2.64	84	55-5.28
17	11-2.64	34	22-5.28	51	33-7.92	68	44-10.56	85	56-1.20
								86	56-9.12
								87	57-5.04
								88	58-0.96
								89	58-8.88
								90	59-4.80
								91	60-0.72
								92	60-8.64
								93	61-4.56
								94	62-0.48
								95	62-8.40
								96	63-4.32
								97	64-0.24
								98	64-8.16
								99	65-4.08
								100	66-0.00
								101	66-7.92
								102	67-3.84

TABLE X.
MIDDLE ORDINATES OF RAILS
Length of Rail (feet)

C o /	R Feet	30 Inch	28 Inch	26 Inch	24 Inch	22 Inch	20 Inch	C o	R Feet	30 Inch	28 Inch	26 Inch	24 Inch	22 Inch	20 Inch
0-20	17189	.08	.07	.06	.05	.04	.03	8	716.8	1.88	1.64	1.42	1.20	1.01	.84
0-40	8594	.16	.14	.12	.10	.08	.07	9	637.3	2.12	1.84	1.60	1.35	1.14	.94
1-0	5730	.24	.20	.18	.15	.13	.10	10	573.7	2.36	2.05	1.78	1.50	1.27	1.04
1-20	4297	.31	.27	.23	.20	.17	.13	11	521.7	2.59	2.26	1.95	1.65	1.39	1.15
1-40	3438	.39	.34	.29	.25	.21	.17	12	478.3	3.83	2.47	2.15	1.81	1.54	1.26
2-0	2865	.47	.41	.35	.30	.25	.20	13	441.7	3.05	2.66	2.30	1.96	1.66	1.36
2-20	2456	.55	.48	.41	.35	.29	.23	14	410.3	3.30	2.87	2.48	2.10	1.78	1.46
2-40	2149	.63	.55	.47	.40	.33	.27	15	383.1	3.54	3.08	2.68	2.26	1.91	1.57
3-0	1910	.71	.62	.53	.45	.38	.31	16	359.3	3.76	3.28	2.83	2.40	2.04	1.67
3-20	1719	.78	.68	.59	.50	.42	.35	17	338.3	4.00	3.48	3.02	2.57	2.16	1.78
3-40	1563	.86	.75	.65	.55	.46	.38	18	319.6	4.21	3.67	3.18	2.70	2.28	1.87
4-0	1433	.94	.82	.71	.60	.50	.42	19	302.9	4.45	3.89	3.36	2.86	2.41	1.98
4-20	1323	1.02	.89	.77	.65	.55	.45	20	287.9	4.70	4.09	3.55	3.00	2.54	2.09
4-40	1228	1.10	.96	.83	.70	.59	.48	22	262.0	5.16	4.44	3.84	3.30	2.80	2.29
5	1146	1.18	1.03	.89	.75	.63	.52	24	240.5	5.64	4.92	4.20	3.59	3.04	2.50
6	955.3	1.41	1.23	1.06	.90	.76	.62	26	222.3	6.07	5.29	4.58	3.88	3.29	2.70
7	819.0	1.65	1.44	1.24	1.05	.89	.73								

TABLE XI.
SHORT RADIUS CURVES

Radius Feet	Chord Feet	Central Angle	Deflection Angle	Deflection for 1 Foot
35	10	16-26	8-13	49.3
45	10	12-46	6-23	38.3
50	15	17-16	8-38	34.5
60	15	14-22	7-11	28.8
75	15	11-30	5-45	23.0
100	20	11-30	5-45	17.3
120	20	9-34	4-47	14.3
150	20	7-39	3-49	11.5
190	25	7-32	3-46	9.15
200	25	7-10	3-35	8.6
225	25	6-25	3-12	7.7
240	25	5-58	2-59	7.2
250	25	5-44	2-52	6.9
275	25	5-12	2-36	6.2
288	50	9-58	4-59	6.0
300	50	9-32	4-46	5.7
350	50	8-12	4-06	4.9
376	50	7-40	3-50	4.6
400	50	7-10	3-35	4.3
410	50	7-00	3-30	4.2

To find length of curve divide angle from P. C. to P. T. by central angle of chord and multiply by length of chord.

TABLE XII.
INCLINED DISTANCE OF 100 FT. REDUCED TO HORIZONTAL

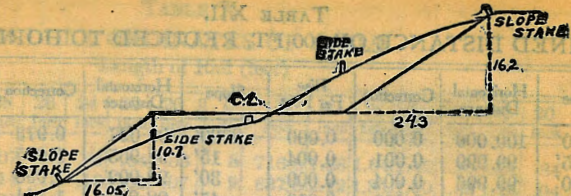
Slope	Horizontal Distance	Correction	Rise Per Foot	Slope	Horizontal Distance	Correction	Rise Per Foot
0°00'	100.000	0.000	0.000	8°00'	99.027	0.973	0.139
15'	99.999	0.001	0.004	15'	98.965	1.035	0.143
30'	99.996	0.004	0.009	30'	98.902	1.098	0.148
45'	99.991	0.009	0.013	45'	98.836	1.164	0.152
1 00	99.985	0.015	0.017	9 00	98.769	1.231	0.156
15	99.976	0.024	0.022	15	98.700	1.300	0.161
30	99.966	0.034	0.026	30	98.629	1.371	0.165
45	99.953	0.047	0.031	45	98.556	1.444	0.169
2 00	99.939	0.061	0.035	10 00	98.481	1.519	0.174
15	99.923	0.077	0.039	15	98.404	1.596	0.178
30	99.905	0.095	0.044	30	98.325	1.675	0.182
45	99.885	0.115	0.048	45	98.245	1.755	0.187
3 00	99.863	0.137	0.052	11 00	98.163	1.837	0.191
15	99.839	0.161	0.057	15	98.079	1.921	0.195
30	99.813	0.187	0.061	30	97.992	2.008	0.199
45	99.786	0.214	0.065	45	97.905	2.095	0.204
4 00	99.756	0.244	0.070	12 00	97.815	2.185	0.208
15	99.725	0.275	0.074	15	97.723	2.277	0.212
30	99.692	0.308	0.078	30	97.630	2.370	0.216
45	99.657	0.343	0.083	45	97.534	2.466	0.221
5 00	99.619	0.381	0.087	13 00	97.437	2.563	0.225
15	99.580	0.420	0.092	15	97.338	2.662	0.229
30	99.540	0.460	0.096	30	97.237	2.763	0.233
45	99.497	0.503	0.100	45	97.134	2.866	0.238
6 00	99.452	0.548	0.105	14 00	97.030	2.970	0.242
15	99.406	0.594	0.109	15	96.923	3.077	0.246
30	99.357	0.643	0.113	30	96.815	3.185	0.250
45	99.307	0.693	0.118	45	96.705	3.295	0.255
7 00	99.255	0.745	0.122	15 00	96.593	3.407	0.259
15	99.200	0.800	0.126	15	96.479	3.521	0.263
30	99.144	0.856	0.131	30	96.363	3.637	0.267
45	99.087	0.913	0.135	45	96.246	3.754	0.271

TABLE XIII.
MINUTES IN DECIMALS OF A DEGREE.

0 30"	.00833	10' 30"	.17500	20' 30"	.34167	30' 10"	.50833	40' 30"	.67500	50' 10"	.84167
1 00	.01667	11 00	.18333	21 00	.35000	31 00	.51667	41 00	.68333	51 00	.85000
30	.02500	30	.19167	30	.35833	30	.52500	30	.69167	30	.85833
2 00	.03333	12 00	.20000	22 00	.36667	32 00	.53333	42 00	.70000	52 00	.86667
30	.04167	30	.20833	30	.37500	30	.54167	30	.70833	30	.87500
3 00	.05000	13 00	.21667	23 00	.38333	33 00	.55000	43 00	.71667	53 00	.88333
30	.05833	30	.22500	30	.39167	30	.55833	30	.72500	30	.89167
4 00	.06667	14 00	.23333	24 00	.40000	34 00	.56667	44 00	.73333	54 00	.90000
30	.07500	30	.24167	30	.40833	30	.57500	30	.74167	30	.90833
5 00	.08333	15 00	.25000	25 00	.41667	35 00	.58333	45 00	.75000	55 00	.91667
30	.09167	30	.25833	30	.42500	30	.59167	30	.75833	30	.92500
6 00	.10000	16 00	.26667	26 00	.43333	36 00	.60000	46 00	.76667	56 00	.93333
30	.10833	30	.27500	30	.44167	30	.60833	30	.77500	30	.94167
7 00	.11667	17 00	.28333	27 00	.45000	37 00	.61667	47 00	.78333	57 00	.95000
30	.12500	30	.29167	30	.45833	30	.62500	30	.79167	30	.95833
8 00	.13333	18 00	.30000	28 00	.46667	38 00	.63333	48 00	.80000	58 00	.96667
30	.14167	30	.30833	30	.47500	30	.64167	30	.80833	30	.97500
9 00	.15000	19 00	.31667	29 00	.48333	39 00	.65000	49 00	.81667	59 00	.98333
30	.15833	30	.32500	30	.49167	30	.65833	30	.82500	30	.99167
10 00	.16667	20 00	.33333	30 00	.50000	40 00	.66667	50 00	.83333	60 00	1.00000

415 26
407
4646

560
310
250



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING;

SLOPE 1/4 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

Computed by L. Leland Locke.

To find

ENGINEERING DEPARTMENT,
CITY OF SAN DIEGO,
CALIFORNIA.

270
260
250
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DEPT. OF
ENGINEERING

RECEIVED
JAN 10 1901