

1095

FIELD BOOK

385



MICROFILMED

DEC 21 1964







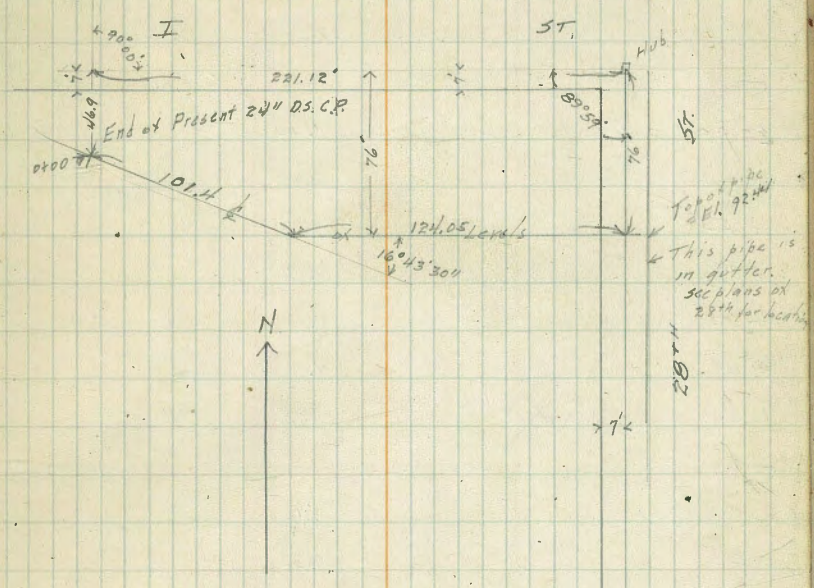




1/27/24

Gregory Moore Miller Show  
 Survey + Levels Culvert  
 at 28th + I sts

Station	Offset	Level	Mon SE 25th St
0+00	0.67	103.34	102.67
+01.0		9.08	94.26
+20.0		11.1	92.2
+50.0		9.3	94.0
+75.0		9.6	93.7
+80.0		9.6	93.7
+89.0		10.7	92.6
+90.0	in garden	11.1	92.2
1+01.4		10.3	93.0
+50		10.1	93.2
2+00		9.3	94.0
+19.45 = W.L. 28th		8.5	94.8
+10		8.0	95.3
+25.46		7.4	95.9
		7.5	95.8
Flow Line of Pipe CB. S.W. 25th + I.		11.95	91.39
Top. of Pipe at about 76' S. of S. 7' Line of I St.		10.90	92.44









2/1/22

Gregory  
Moore  
Miller  
show

Survey + Levels for Drain  
from J ST S + W to  
25th + K STs  
see sketch page 4

1383  
457  
2509  
71.25  
7636

85.53

5

B.M.	200	101.87	99.87
0+00	= Outlet of 16" pipe on J ST 2.14	91.39	12.62 89.25
0+3		3.0	88.4
0+25		2.7	88.7
0+65		3.4	88.0
+95.09	= P.C.	3.9	87.5
(1+38.3)	= P.I. $\Delta = 81^{\circ}40'$ $r = 50$ $st = 43.21$ $cc = 71.27$	4.9	86.5
+66.36	= E.C.	5.1	86.3
+69.64	= P.C.	5.1	86.3
2+00	101 $\Delta = 81^{\circ}40'$ 85.53 $r = 50$ $st = 43.21$ $cc = 71.27$	6.7	84.7
(2+09.0)		0.87	84.5
(2+12.85)	= P.I.	1.3	
2+14		0.1	85.4
2+40.91	E.C.	0.9	84.6
2+90		3.4	82.3
3		5.0	80.5
+18.14	P.C.	5.0	80.5
+43		3.7	81.8
+50		5.5	80.0
+55		6.9	78.6
+66		7.6	77.9
4+00		8.0	77.5
(4+13.14)	P.I. $\Delta = 90^{\circ}$ $r = 95$ $st = 95$ $cc = 149.23$	9.4	76.1
4+50		9.8	75.7
4+67.37	PRC	9.5	76.0
5+00		11.3	74.2
+40		10.5	75.0

B.P. SE. 25th + J  
Flow Line of 16" pipe

5+50	10.4	75.1
(5+76.46) = PT		
6+00	12.0	73.5
+38.73 = E.C. = E.E. of Mac	13.6	71.9
chk B.M.	8.58	76.95 = 76.93

$\Delta = 90^{\circ}$   
 $r = 109.09$   
 $st = 109.09$   
 $cc = 171.36$







8400		5.5	70.5
TP	✓.56	4.98	70.98
+12.5 = E.L. 29 <sup>th</sup> ST.	79.54	2.6	70.9
+50		2.7	70.8
9		3.2	70.3
+50		3.5	70.0
10		4.0	69.5
+50		4.4	69.1
11		4.7	68.8
+50		5.0	68.5
12		5.3	68.2
+50		5.4	68.1
13		6.0	67.5
+50		6.8	66.7
14		7.2	66.3
+50		7.9	65.4
15		8.1	65.4
+50		8.0	65.5
+63.7 = E.L. of Original 80 Hensley		8.1	65.1
16		8.1	65.4
+50		8.1	65.4
17		8.1	65.4
+50		8.6	64.9



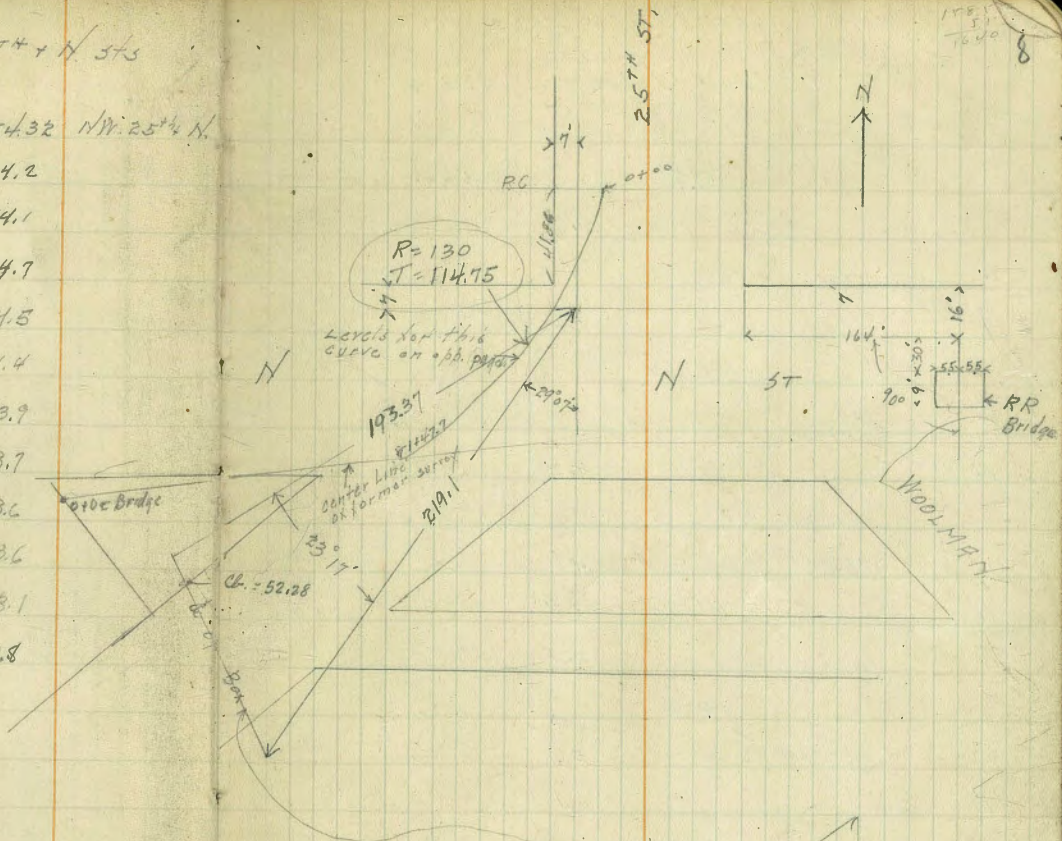
2/22

Gregory  
Meers  
Miller  
Shaw

Survey + Levels for  
Drain etc at 25<sup>th</sup> + N. sts

178  
1640  
8

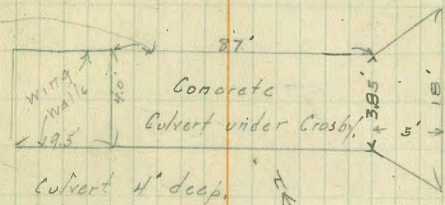
4.23	58.55	54.32	N.W. 25 <sup>th</sup> N.
0+00		4.2	54.2
+20		4.5	54.1
+25	on curb.	3.9	54.7
+50		4.1	54.5
+67.5		4.2	54.4
+68		4.7	53.9
+75		4.9	53.7
1		5.0	53.6
+17.5	= Track	5.0	53.6
+25		5.4	53.1
+47.7		5.8	52.8



Levels under R.R. Bridge

58.55	
N. curb Line 164' E of 25 <sup>th</sup>	4.1
120' S	5.9
22' ✓	4.9
30' ✓ = N. end of Ties	6.2
39' ✓ = S	5.8
66' ✓ of N. Curb	6.1

0+00 Bridge	43.4 =
+16	44.5
40	45.1
45	47.0
80	47.6
100	48.9
115	47.4
140	44.2
150	44.0
200	51.7
250	52.2
300	52.4





W/W/W

Gregory  
Moore  
Miller  
Shaw

Levels on gutters etc.  
22nd ST  
From IMPERIAL AVE  
To N st

0.84 57.28 56.44

NW Imperial  
+ 22nd

5.6 Imperial

W in gutter 2.5

E ✓ - 2.0

50' 5

E in gutter 3.7

W ✓ - 4.2

100' 3

W in gutter 4.8

W Top of cement platform 3.57

E 4.8

150' 5

E in gutter 5.7

W ✓ ✓ 6.1

W Top of cement plat. 4.47

200' 5

W in gutter 7.1

W Top of cement platform 5.13

E in gutter 6.4

220' 5

E in gutter 7.9

250' 5

E in gutter 8.7

W ✓ - 8.3

W Top of Cement plat. 5.77

281.43

W Top of cement 6.12  
W in gutter 8.8  
291' 5 of SL Imperial = End of platform

W Top of platform 8.6

300' 5 = NL N ST

W in gutter 9.8

E ✓ - 9.0

Levels on Track on N. ST.

537 51.90 10.75 46.53

150' W. of W.L. 22nd 8.24

100 - - - - 7.38

50 - - - - 6.54

W.L. 22nd 5.62

W. C. line ✓ 5.37

center ✓ 5.00

E.L. ✓ 4.50

50' E of E.L. ✓ 4.16

100 ✓ ✓ ✓ ✓ 3.90

150 ✓ ✓ ✓ ✓ ✓ 3.67



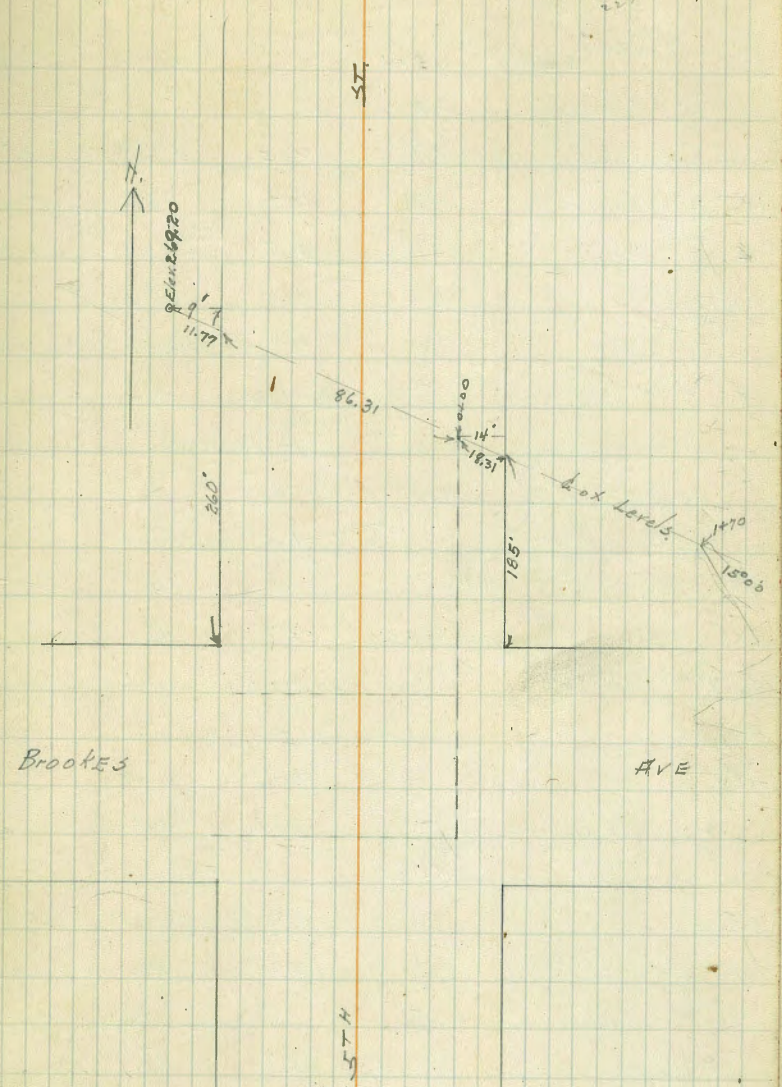
3/27/22

Gregory  
Maack  
Miller  
Shaw

Levels on Proposed  
Drain 5th St and Anderson Pl.  
N. of Brookes

170  
150  
220  
10

Station	Offset	Proposed	Existing	Notes
	3.28	283.19	279.91	BP NW 5th St - Brookes
0+00			4.06	279.13 on para
0+00			3.65	279.54 - curb
0+17			3.7	279.5
0+28			11.6	271.6
T.P.	0.05	270.91	17.33	270.86
0+42			7.7	263.2
0+58			12.7	258.2
T.P.	0.05	258.06	12.2	257.99
+80			2.7	255.3
1+10			8.0	250.0
1+31			12.2	245.8
T.P.	1.55	247.15	12.44	245.60
1+70			3.3	243.9
2+27			4.7	242.5
2+68			6.7	240.5
2+95			10.3	236.9





Gregory Moore  
 4/18/24  
 All distances on shore  
 sections taken from  
 N.L. of Roscoons

CROSS SECTION OF  
 Roscoons St  
 from S.L. Dumas to N.L. Canard  
 for paving

	4/18	4/23	SW Curtis
	48.47		
S.L. Dumas.			
55.65' E. of N.L. Roscoons = W. Rail	2.85	45.62	
48' ✓	2.7	45.8	
33' ✓	2.5	46.0	✓
22' ✓	2.9	45.6	
16' ✓	3.7	44.8	
8' ✓	1.7	46.8	
W.L.	1.4	47.1	
40' S. of Dumas.			
W.L.	1.3	47.2	
3' E	1.8	46.7	
16' E	2.7	45.8	
19' ✓	3.9	44.6	
33' ✓	3.2	45.1	
48' ✓	3.5	45.0	
55.65' E = W rail	3.60	44.87	
60' S			
55.65' E	2.93	44.54	
48' E	3.6	44.9	
33' ✓	3.6	44.9	
19' ✓	4.7	43.8	
16' ✓	2.9	45.6	
10' ✓	2.2	46.3	
W.L.	1.4	47.4	

	100' S	
W.L.	2.5	46.0
16' E	3.8	44.7
20' ✓	5.1	43.2
33' ✓	4.1	44.4
48' ✓	4.1	44.4
55.65' E = W rail	4.57	43.90
200' S = N.L. Curtis		
55.65' E = W rail	6.40	42.07
48' ✓	6.1	42.4
33' ✓	6.0	42.5
21' ✓	7.0	41.5
16' ✓	5.3	43.2
W.L.	4.3	44.2
N. 66 Curtis		
W.L.	5.2	43.1
16' E	6.2	42.3
21' ✓	7.0	41.5
33' ✓	6.3	42.2
48' ✓	6.4	42.1
55.65' E	6.70	41.77
S. of Curtis		
55.65' E	6.95	41.52
48' ✓	6.8	41.7
33' ✓	6.7	41.8
24' ✓	7.3	41.2



43.47

16' E	6.3	42.2
W.L.	5.2	43.3
50' S. of Curtis		
W.L.	5.6	42.9
16' E	6.7	41.8
20' ✓	8.6	39.9
33' -	7.4	41.1
48' -	7.3	41.2
55.65' ✓	7.55	40.92
75' S. of Curtis		
55.65' E	9.3	39.13
48' E	9.2	39.3
33' -	8.9	39.6
24' -	9.0	39.5
19' -	10.2	38.3
16' -	8.3	40.2
3' -	7.1	41.4
W.L.	5.2	43.3
100' S.		
W.L.	5.3	43.2
5' E	8.0	40.5
10' ✓	8.7	39.8
12' ✓	11.7	36.8
16' -	12.5	36.0
20' ✓	12.1	36.4
23' ✓	9.8	38.7

Roscorans 12

33' E	9.6	38.9	
48' -	9.8	38.7	
55.65' E	9.97	38.50	
125' S			
55.65' E	10.56	37.91	
48' ✓	10.4	38.1	
33' -	10.1	38.4	
19' -	10.6	37.9	
16' -	12.6	35.9	
8' -	12.8	35.7	
W.L.	7.0	41.5	
150' S			
W.L.	8.8	39.7	
6' E	11.2	37.3	
7' -	13.3	35.2	
13' -	13.0	35.5	
16' -	11.0	37.5	
33' -	10.7	37.8	
48' -	11.0	37.5	
55.65' E	11.17	37.30	
200' S = H.L. Browning			
T.P. 32nd	39.2nd	12.47	36.00
55.65' E		3.2nd	36.0
48' ✓		3.1	36.1
33' ✓		2.8	36.4
18' ✓		2.7	36.5



39.24

16' E	5.0	34.2
10' ✓	4.8	34.4
9' ✓	2.8	36.4
W.L.	0.4	38.8

40' S. of N.L.

W.L.	2.8	36.4
7' E	3.0	36.2
10' ✓	5.9	33.3
16' ✓	5.9	33.3
34' ✓	5.6	33.6
37' ✓	4.0	35.2
33' ✓	4.0	35.2
48' ✓	4.1	35.1
55.65' ✓	4.23	35.61

5. L. of Browning

55.65' E	5.08	34.16
48' ✓	4.8	34.4
33' ✓	4.7	34.5
31' ✓	5.2	34.0
20' ✓	6.6	32.6
16' ✓	6.8	32.4
14' ✓	4.0	35.2
2' ✓	2.9	36.3
W.L.	1.4	37.8

100' S. of Browning

W.L.	4.1	35.1
------	-----	------

Roscoons

13

2' E	5.3	34.9
16' ✓	6.5	32.7
19' ✓	8.0	31.2
23' ✓	8.4	30.8
24' ✓	7.2	32.0
33' ✓	6.8	32.4
48' ✓	7.0	32.2
55.65' E	7.44	31.80

200' S. = N.L. Alcott.

55.65' E	9.50	29.74
48' ✓	9.1	30.1
33' ✓	9.1	30.1
21' ✓	9.0	30.2
30' ✓	10.1	29.1
17' ✓	10.1	29.1
16' ✓	8.8	30.6
W.L.	7.3	31.9

45' S. of N.L. Alcott.

W.L.	7.3	31.9
15' E	9.7	29.5
16' ✓	11.0	28.2
20' ✓	10.9	28.3
21' ✓	9.9	29.3
28' ✓	10.6	28.7
33' ✓	10.3	28.9
48' ✓	10.2	29.0
55.65' ✓	10.40	28.84



39.24

50 S

55.65 E	10.49	28.75
48 E	10.3	28.9
33	10.4	28.8
28	10.6	28.6
21	10.9	28.3
20	10.6	28.6
16	11.0	28.2
W.L.	10.9	28.3

59 S

W.L.	10.2	29.0
16 E	11.2	28.0
20 -	11.5	27.7
22 ✓	11.0	28.2
27 ✓	10.8	28.2
33 E	10.5	28.7
48 ✓	10.6	28.6
55.65 ✓	10.65	28.59

63 S

55.65 E	10.72	28.52
48 -	10.7	28.5
33 -	10.6	28.6
23 -	10.2	29.0
22 ✓	11.1	28.1
17 ✓	11.5	27.7
16 E	11.3	27.9

25 10 10 10  
Rosecrans. 15 14

15 E	10.1	29.7
W.L.	8.4	30.8

5 L. Alcott

W.L.	7.8	31.2
2 E	9.1	30.1
16 E	10.2	29.0
17 E	11.4	27.8
22 ✓	11.3	27.9
23 ✓	10.3	28.9
33 ✓	10.7	28.5
48 ✓	10.9	28.3
55.65 ✓	10.85	28.39

100 S

55.65 E	12.67	26.57
48 ✓	12.5	26.7
33 ✓	12.4	26.8
22 ✓	11.9	27.3
20 ✓	13.0	26.2
17 ✓	12.8	26.4
16 ✓	11.9	27.3
2 ✓	10.6	28.6
W.L.	9.6	29.6
T.P. 214 2903	12.35	26.89

200 S. W.L. Zouch

W.L.	0.7	28.3
3 E	1.9	27.1



29.03

16' E	2.7	26.3
18' ✓	4.2	24.8
30' ✓	3.0	26.0
33' ✓	3.3	25.7
48' ✓	3.5	25.5
55.65 ✓	3.65	25.38

35' 30" N.L.

55.65 E	3.67	25.36
48' ✓	3.6	25.4
33' ✓	3.4	25.6
16' ✓	3.0	26.0
W.L.	1.8	27.2

3 L. Touch

W.L.	2.2	26.8
14' E	3.1	25.9
16' ✓	3.7	25.3
33' ✓	3.7	25.3
48' ✓	3.6	25.4
55.65' ✓	3.74	25.29

100' 3

55.65 E	5.00	24.03
48' ✓	4.9	24.1
33' ✓	4.6	24.4
23' ✓	4.4	24.6
22' ✓	5.0	24.0
16' ✓	4.1	24.9
2' ✓	2.9	26.1

36  
31  
30

ROSECTIONS 15

W.L.	1.7	27.3
300' 5 = N.L. Yonge		
W.L.	3.7	25.3
2' E	4.5	24.5
16' ✓	4.9	24.1
17' ✓	5.8	23.2
33' ✓	5.8	23.2
48' ✓	6.0	22.0
55.65 E	6.35	22.68

5 L. Yonge

55.65' E	7.17	21.86
48' ✓	6.9	22.1
33' ✓	6.9	22.1
25' ✓	7.4	21.6
17' ✓	6.2	22.8
16' ✓	5.4	23.6
W.L.	4.4	24.6
600' BM	2.10	26.93

100' 5

W.L.	5.3	23.7
1' E	6.1	22.9
16' ✓	7.0	22.0
23' ✓	9.0	20.0
26' ✓	8.2	20.8
33' ✓	8.1	20.9
48' ✓	8.2	20.8



29.03

55.65' E	873	20.27
200' S = N.L. Xenophon		
55.65' E	1036	18.67
48' -	10.5	18.5
33' -	10.3	18.7
19' -	10.6	18.4
16' -	8.7	20.3
3' -	8.6	20.4
W.L.	7.0	22.0

15' S. of N.L.

W.L.	9.0	20.0
16' E	10.8	18.2
20' -	10.6	18.4
33' -	10.7	18.3
48' -	10.9	18.1
55.65' -	10.77	18.26

35' S. of N.L.

55.65' E	11.35	17.68
48' -	11.3	17.7
33' -	11.2	17.8
20' -	11.2	17.8
16' -	10.7	18.3
W.L.	9.7	19.3

5L Xenophon

W.L.	10.8	18.2
16' E = cement curb	11.00	18.0

16

16' E = gutter	12.2	16.8
33' -	12.0	17.0
48' -	12.1	16.9
55.65' E 0.46	17.23	12.26
200' S = N.L. Whittier		

55.65' E	5.24	11.99
48' -	4.7	12.5
33' -	4.5	12.8
35' -	4.8	12.4
16' - = gutter	6.2	11.0
16' - = cement curb	5.26	11.97
W.L.	5.0	12.2

7' S. of N.L.

W.L.	2.7	14.5
16' E	4.9	12.3
33' -	4.5	12.7
48' -	4.8	12.4
55.65' E	5.35	11.88

5L Whittier

55.65' E	5.65	11.58
48' -	5.2	12.0
33' -	4.9	12.3
16' -	4.1	13.1
W.L.	3.9	13.3
5' W	3.9	13.3



17.23

100' S.

W.L.	4.1	13.1
16' E	4.5	12.7
33' ✓	4.6	12.4
48' ✓	5.0	12.2
55.65' E	5.32	11.91

200' S = N.L. Voltaire

55.65' E	4.90	12.33
48' ✓	4.8	12.4
33' ✓	4.3	12.9
16' ✓	4.0	13.2
2' ✓	3.6	13.6
W.L.	2.6	14.6

3 L. Voltaire

W.L.	1.6	15.6
2' E	2.7	14.5
16' ✓	3.7	13.5
33' ✓	3.8	13.4
48' ✓	4.1	13.1
55.65' ✓	4.67	12.56

100' S

55.65' E	5.07	12.16
48' ✓	4.4	12.8
33' ✓	4.2	13.0
24' ✓	4.5	12.7
16' ✓	4.5	14.7

Rosocrans

17

17.23

3' E	1.7	15.5
W.L.	0.8	16.4

150' S.

W.L.	0.9	16.3
3' E	2.4	14.8
16' ✓	3.4	13.8
18' ✓	4.6	12.6
33' ✓	4.8	12.4
48' ✓	5.0	12.2
55.65' E	5.50	11.73
chk B.M. SW. of Mon Udal	5.16	12.07

For sections from N.L. Udal to

S.L. Russell. see book 1036-70

B.M. SW. Mon Russell

4.47

4.70

5.23

100' S. of S.L. Russell

55.65' E	5.37	4.33
48' ✓	4.7	5.0
33' ✓	4.5	5.2
16' ✓	4.2	5.5
W.L.	3.3	6.2

200' S = N.L. Quimby

W.L.	3.7	6.0
16' E	4.1	5.6
18' ✓	4.7	5.0
33' ✓	4.5	5.2
48' ✓	4.4	5.3



9.70

55.65' E	5.13	4.57
S.L. Quimby		
55.65' E	5.25	4.45
48' -	4.7	5.0
33' ✓	4.6	5.2
18' -	4.7	5.0
16' -	4.3	5.4
W.L.	3.8	5.9
100' S		
W.L.	3.9	5.8
16' E	4.2	5.5
33' ✓	4.6	5.1
48' -	4.8	4.9
55.65' ✓	5.50	4.20
200' S = N.L. Poe		
55.65' E	5.63	4.07
48' -	5.3	4.4
33' ✓	4.8	4.9
16' ✓	4.0	5.7
W.L.	3.7	6.0
S.L. Poe		
W.L.	4.1	5.6
16' E	4.1	5.6
33' ✓	4.7	5.0
48' ✓	5.0	4.7
55.65' ✓	5.56	4.14

9.70

Rosecrans

18

55.65' E	5.10	4.60
48' ✓	4.3	5.4
33' -	4.2	5.5
16' ✓	3.7	6.0
W.L.	3.1	6.6
200' S = N.L. Oliphant		
W.L.	2.5	7.2
16' E	3.3	6.4
33' ✓	3.7	6.0
48' ✓	3.8	5.9
55.65' ✓	4.60	5.10
S.L. Oliphant		
55.65' E	4.23	5.47
48' ✓	3.7	6.0
33' ✓	3.5	6.2
16' ✓	3.1	6.6
W.L.	2.6	7.1
100' S		
W.L.	1.7	8.0
16' E	2.1	7.6
33' ✓	3.0	6.7
48' -	2.9	6.8
55.65' E	3.47	6.23
200' S = N.L. Newell		
55.65' E	6.73	13.93
	2.50	7.20



13.93

48' E	6.3	7.6
33' -	6.1	7.8
16' -	5.8	8.1
W.L.	5.3	8.6

S.L. Newell.

W.L.	4.1	9.8
16' E	5.2	8.7
33' -	5.4	8.5
48' -	5.3	8.6
55.65' -	5.97	7.96

200' S. - N.L. Macaulay.

ch <sup>d</sup> B.M. only	5.42	8.51
55.65' E	4.20	9.73
48' -	4.1	9.8
42' - = rail of curve.	3.80	10.13
36' - " " " "	4.04	9.89
33' -	3.8	10.1
16' -	4.1	9.5
14' -	2.7	11.2
W.L.	2.5	11.2

5' S.

W.L.	3.8	10.1
16' E	4.4	9.5
33	3.8	10.1
48	4.1	9.8
55.65' E	4.22	9.71

Roscorans 19

13.93

S.L. Macaulay

55.65' E	4.26	9.67
48' -	4.0	9.9
33' -	3.9	10.0
16' -	3.6	10.3
W.L.	3.4	10.5

200' S. - N.L. Lowell

W.L.	4.4	9.5
16' E.	5.2	8.7
33' -	5.2	8.7
48' -	5.1	8.8
55.65' E	5.16	8.77

S.L. Lowell

55.65' E	5.88	8.05
48' -	5.5	8.4
33' -	5.7	8.2
16' -	5.2	8.7
W.L.	4.7	9.2

200' S. - N.L. Keats

W.L.	6.7	7.2
16' E	7.0	6.9
33' -	7.2	6.7
48' -	7.1	6.8
55.65' E	6.93	7.00

S.L. Keats

55.65' E	7.65	6.28
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1393

48' E		7.6	6.3
33' -		7.7	6.2
16' -		7.7	6.2
W.L.		7.0	6.9
200' S = N.L. Jarvis			
W.L.		8.6	5.3
16' E		9.0	4.9
33' -		9.3	4.6
48' -		9.1	4.8
55.65' E	3.74	8.80	8.89
S.L. Jarvis			
55.65' E		4.52	4.28
48' E		5.0	3.8
33' ✓		4.8	4.0
16' -		4.4	4.6
W.L.		4.0	4.8
200' S = N.L. Ingelow			
W.L.		5.2	3.6
16' E		5.4	3.4
33' -		6.1	2.7
45' -		6.4	2.4
48' -		5.5	3.3
55.65' E		6.63	2.17
S.L. Ingelow			
55.65' E		6.80	2.00
48' ✓		6.2	2.6
45' ✓		6.7	2.1
33' ✓		6.3	2.5
28' ✓		6.1	2.7

Rosecrans 20

8.80

16' E		6.0	2.8
W.L.		6.1	2.7
200' S = N.L. Hugo			
W.L.		6.6	2.2
16' E		6.7	2.1
33' ✓		7.3	1.5
48' ✓		7.3	1.5
55.65' E		7.20	1.60
S.L. Hugo			
55.65' E		7.20	1.60
48' ✓		7.1	1.7
33' ✓		7.3	1.5
16' -		7.2	1.6
2' -		7.0	1.8
W.L.		6.3	2.5
200' S = N.L. Garrison			
W.L.		7.2	1.6
16' E		7.1	1.7
33' -		7.6	1.2
48' -		7.5	1.3
55.65' E		7.55	1.25
S.L. Garrison			
55.65' E		7.57	1.23
48' ✓		7.4	1.4
33' ✓		7.5	1.3
16' ✓		6.9	1.9
W.L.		7.1	1.7



8.80

200' S = NL. Fenelon

W.L.	6.2	7.6
16' E	6.7	7.1
33' ✓	6.7	7.1
48' ✓	6.3	7.5
55.65' ✓	11.33	12.73

S.L. Fenelon

55.65' E	11.04	1.69
48' ✓	9.3	3.4
43' ✓	10.1	2.6
33' ✓	10.1	2.6
16' ✓	9.8	2.9
W.L.	8.8	3.9

200' S = NL. Emerson

W.L.	7.6	5.1
16' E	8.4	4.3
10' ✓	9.5	3.2
33' ✓	8.6	4.1
43' ✓	8.6	4.1
48' ✓	8.0	4.7
55.65' ✓	8.78	3.95

S.L. Emerson

55.65' E	7.80	4.93
48' ✓	7.6	5.1
33' ✓	8.1	4.6
21' ✓	8.4	4.5

12.73

Rosecrans 21

16' E

72 5.5

W.L.

70 5.7

200' S = NL. Dickens

W.L.	38	8.9
16' E	39	8.8
18' ✓	52	7.5
33' ✓	47	8.0
48' ✓	49	7.8
55.65' ✓	4.20	8.53

S.L. Dickens

55.65' E	495	9.78
48' ✓	57	9.0
33' ✓	32	9.5
17' ✓	41	8.6
16' ✓	30	9.7

W.L.

24 10.3

T.P.

10.64 22.74 063 12.10

200' S = NL. Carleton

W.L.	90	13.7
16' E	10.4	12.3
33' ✓	10.1	12.6
48' ✓	9.8	12.9
55.65' ✓	9.75	12.99

S.L. Carleton

55.65' E	8.57	14.17
48' ✓	8.8	13.9



22.74

33' E	8.4	14.3
17' ✓	9.0	13.7
16' ✓	8.1	14.6
W.L.	7.8	14.9

300' S = N.L. Byron

W.L.	4.6	18.2
16' E	5.3	17.4
17' ✓	5.5	17.2
33' ✓	5.4	17.3
48' -	5.4	17.3
55.65' -	5.33	17.41

S.L. Byron

55.65' E	4.58	18.16
48' ✓	4.8	17.9
33' ✓	4.6	18.1
18' ✓	4.8	17.9
16' ✓	4.0	18.7
W.L.	3.7	19.0

300' S = N.L. Addison

W.L.	2.8	19.9
16' E	3.1	19.6
33' ✓	3.2	19.5
48' ✓	3.5	19.2
55.65' E	3.50	19.24

S.L. Addison

35.65' E	3.48	19.46
----------	------	-------

Roscorans 22

22.74

48' E	3.2	19.5
33' ✓	3.1	19.6
16' ✓	2.8	19.9
W.L.	2.5	20.2

S = N.L. Canon Rd

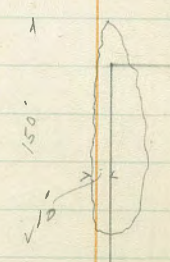
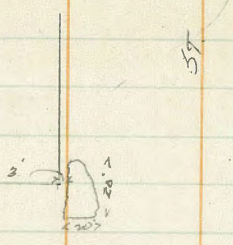
W.L.	2.2	20.5
16' E	2.3	20.4
33' ✓	2.6	20.1
48' -	2.9	19.8
56' - rail	2.80	19.94
chk B.M.	2.08	20.66 = 20.67



6/14/20  
Gregory

Gravel Pits  
34th +

23

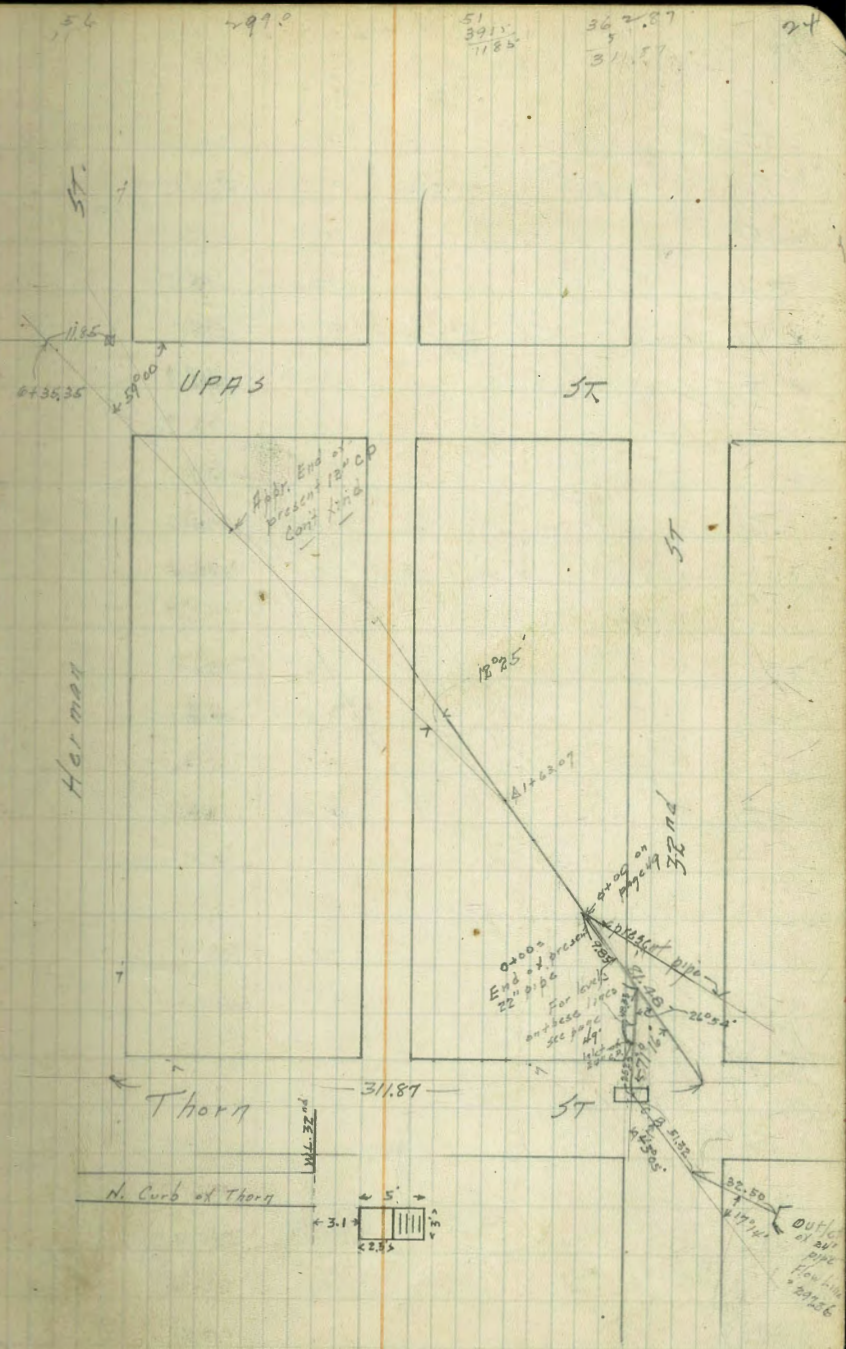


34th



6/16/22 Gregory, Mark, Ellis, Shawn  
 Location & Levels for  
 Drain from Herman + Upas to  
 32nd & Thorn.

	0.73	307.99	307.26	Top of 6" 5.5" Thorn 22"
0+00 = End of present 22" pipe	16.6	291.4		= flow line
+35	14.7	293.3		
+50	11.1	296.9		
+75	13.9	294.1		
+85	12.9	295.1		
	10.3	297.7		
+10	8.3	299.7		
+20	10.7	297.3		
+60	8.4	299.6		
+63.07 Δ 1" x 5" L	8.72	299.27		on stub
+75	9.3	298.7		
+90	8.1	299.9		
+91	7.3	300.7		
	7.2	300.8		
+13	6.6	301.4		
TP. 1090	315.63	304.73		
+27	12.2	303.4		
+36	14.0	303.6		
+38	8.8	306.8		
+43	8.9	306.7		
+45	6.8	308.8		
+65.75 P.D.T.	2.69	311.97		on stub
+75	5.7	311.9		
	7.2	308.6		
+73	6.0	309.6		





315.63

315.63  
701  
6323

45

+55		2.7	313.2
T.P.	11.69	2.30	313.33
+85		10.5	314.5
4		11.6	313.4
+20		11.4	313.6
+35		9.1	315.9
+58		8.5	316.5
+65		11.0	314.0
+80		9.3	315.7
5+25 = App. End of 12" pipe		7.5	317.5
Cont. kind, Filled with rubbish			
+35		4.6	320.4
6+00		3.9	321.1
+25 = E. qutr. Harman		4.7	320.3
chk B.M.		26.6	322.36



6/22/22 Gregory Water Main Dwight + Ray

Location	Level	Level	Notes
4.96	337.42	332.40	BP N/E Ray = Dwight
Top of 30" Main NL Dwight (E of Ray)			
+15 E. of W.L. Ray.	7.12	330.30	
Top of 30" Main SL Dwight (W. of Ray)			
+15.4 E. of W.L. Ray.	6.23	331.19	

1/20/23 Gregory  
Moore  
Miller  
Shaw

Sewer Construction  
Montecito Way  
from N.H. 60' E. of Ingalls

12 13 x/6

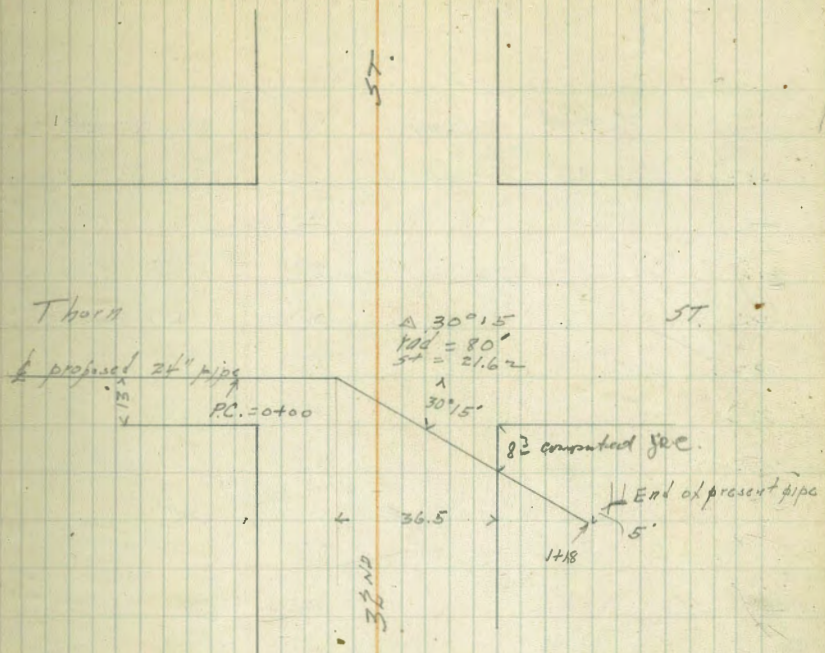
Station	Level	Level	Grade	Notes
0+00 = N.H. 60' E. of E.L. Ingalls.	4.73	477.73	275.50	511 Inverts
+50			275.00	
1 Δ 169	477.74	7.68	270.38	265.13
+50 - curb.			270.05	265.27
+63 Δ = 6' N. of S.L.			269.66	268.40
2 + 00			269.28	265.11
+32 Δ = 6' N. of S.L.			3.97	267.77
+58			5.20	266.54
				265.63 (9)
				265.70



6/22/22

Location + Levels  
Gregory 24" Drain 32nd + Thorn

Station	Offset	Level	Top of 32" Drain
29+26.68	0.77	308.03	307.26
0+00 = P.C. of Curve 58.18' W of E.L. 32nd 13' N of 32nd + Thorn			
			2.0
0+18	29+44.7		5.1
0+21	29+47.7		5.7
0+32	29+58.7		5.4
0+35	29+61.7		4.3
0+43.24 = E.C.	29+68.92		4.3
0+61.0	29+87.7		4.8
0+64.0	29+90.7		3.8
0+70	29+96.7		2.4
0+78	30+06.7		2.9
+84	30+10.7		2.9
TP	5.09	301.18	11.94
+95	30+21.7		7.4
1	30+26.7		8.6
+30	30+29.7		10.0
+11.0	30+37.7		13.6
+18.0 bottom drain			16.2
	30+44.7		285.0



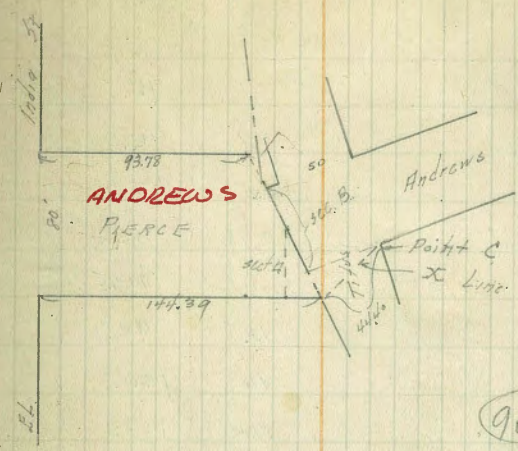


19/03  
 G. W. Shaw  
 D. W. Shaw

Cross Section of  
 PIERCE ST 80 wide in cbs  
 from E.L. India to E.L. Middletown

	13.04	90.04 ✓	77.00 BP SW India
		E.L. India	(90.0) ✓
S		9.6	80.0 ✓
cb		9.98	80.0 ✓ on cement
1/4		9.6	80.4 ✓
C		9.6	80.0 ✓
1/4		9.6	80.0 ✓
cb		10.01	80.0 ✓ on cement
N		9.6	80.4 ✓
	5' E		
N		9.3	80.7 ✓
cb		9.3	80.7 ✓
1/4		9.3	80.7 ✓
+5		7.2	80.8 ✓
C		5.5	84.5 ✓
1/4		4.3	81.7 ✓
cb		3.2	86.8 ✓
S		2.0	88.0 ✓
	15' E		
S		0.5	89.5 ✓
cb		2.0	88.0 ✓
1/4		2.8	87.2 ✓
C		3.8	86.2 ✓
+8		4.6	85.5 ✓
1/4		7.2	82.8 ✓

119.05  
 76.50  
 75.73  
 28.443  
 93.78  
 80.61  
 25.30



			(90.0)
+1		7.8	82.2 ✓
cb		7.7	82.3 ✓
N		8.7	81.3 ✓
	55' E		
N		3.0	87.0 ✓
cb		2.3	87.7 ✓
1/4		1.7	88.3 ✓
T.P	147.54	102.58 ✓	89.64 ✓
C		11.3	80.9 ✓
1/4		10.1	92.1 ✓
cb		8.6	92.6 ✓
S		7.2	93.0 ✓
	93.78 E		
S		2.7	99.5 ✓
cb		3.7	98.5 ✓
1/4		5.0	97.2 ✓
C		6.5	95.7 ✓



10218

102.2

112		6.8	95.0	✓	
1/4		7.7	96.5	✓	
cb		8.0	96.2	✓	
N		9.5	97.7	✓	
T.P.	11.68	113.45	0.41	101.77	✓
	119.08 E	= Sect A	113.5	✓	
C		13.8	99.7	✓	
5 1/4		12.8	100.9		
+3		11.4	102.1	✓	
5cb		11.1	102.4	✓	
5		10.8	102.7	✓	
	93.78 E on N 144.39 v 3				
				Middletown Line	
5		8.6	104.9	✓	
cb		8.9	104.6	✓	
1/4		10.7	102.8	✓	
12		12.3	101.2	✓	
C		13.8	99.7	✓	
1/4		14.8	98.7	✓	
+1		16.4	97.1	✓	
cb		15.5	95.0	✓	
N		20.8	92.7	✓	

29



1/19/33  
Gregory  
Moore  
Miller  
Shaw

CROSS SECTION OF  
ANDREWS ST 50' wide 10' cbs  
from Middletown Line to 100' E of Linwood  
113.45 from previous page  
Middletown Line for 9.50 st. (113.5)

30

(113.5)

N	19.3	94.2 ✓
cb	17.7	95.8 ✓
1/4	16.8	96.7 ✓
+2	16.4	97.1 ✓
+3	14.8	98.7 ✓
c	14.1	99.4 ✓
1/2	14.0	99.5 ✓
cb	13.6	100.0 ✓
+8	12.3	101.2 ✓
S	10.7	107.8 ✓
W. cb Titus St Titus - 50' wide		
S	10.7	102.8 ✓
+2	12.3	101.2 ✓
100' cb	13.1	100.0 ✓
1/4	13.1	100.4 ✓
c	13.5	100.0 ✓
+3	13.6	99.9 ✓
+4	15.2	98.3 ✓
1/4	15.4	98.1 ✓
cb	16.4	97.1 ✓
N	17.9	95.6 ✓
W. 1/4 Titus		
N	16.9	96.6 ✓
cb	15.1	98.4 ✓

1/4	14.2	99.3 ✓
+6	13.7	99.8 ✓
c	12.4	101.1 ✓
1/4	12.3	101.2 ✓
cb	12.4	101.1 ✓
+7	11.8	101.7 ✓
S	10.0	103.5 ✓
Center Titus		
S	8.9	104.6 ✓
+6	11.1	102.4 ✓
100' cb	11.8	101.7 ✓
1/4	11.3	102.2 ✓
c	12.4	101.1 ✓
1/4	13.0	100.5 ✓
cb	14.2	99.3 ✓
1/4	16.0	97.5 ✓
E. 1/4 Titus		
N	15.8	97.7 ✓
cb	13.7	99.8 ✓
1/4	12.2	101.3 ✓
c	11.4	102.1 ✓
1/4	10.7	102.8 ✓
cb	10.9	102.6 ✓
+5	10.5	103.0 ✓
S	8.3	105.2 ✓



113.45

## E. Curb Titus

(113.5)

S	7.4	106.1	✓
+5	9.8	103.7	✓
cb	10.2	103.3	✓
1/4	9.9	103.6	✓
C	10.3	103.2	✓
1/4	11.0	102.5	✓
cb	13.0	100.5	✓
N	14.7	98.8	✓
EL Titus			
N	14.4	99.1	✓
cb	12.0	101.5	✓
1/4	10.1	103.4	✓
C	9.5	104.0	✓
1/4	9.1	104.4	✓
cb	8.9	104.6	✓
+6	8.3	105.2	✓
S	6.4	107.1	✓

## Levels of X Line

15' from point C

30' ✓ ✓

25' E

S	4.7	108.8	✓
+7	6.8	106.7	✓
cb	6.7	106.8	✓
1/4	7.0	106.5	✓

ANDREWS 31

(113.5)

C	7.4	106.1	✓
1/4	8.2	105.3	✓
+2	9.7	103.8	✓
cb	10.4	103.1	✓
N	12.1	101.4	✓
+15	15.8	97.7	✓
58' E			
-15	15.5	98.0	✓
N	10.9	102.6	✓
cb	7.8	105.7	✓
1/4	5.4	108.1	✓
C	4.5	109.0	✓
1/4	4.4	109.1	✓
cb	4.4	109.1	✓
+3	3.8	109.7	✓
S	1.7	111.8	✓
65' E			
S	1.1	112.4	✓
+5	3.1	110.4	✓
cb	3.6	109.9	✓
1/4	3.9	109.6	✓
+2	3.8	109.7	✓
C	1.4	112.1	✓
+3	1.6	111.9	✓
1/4	5.3	108.2	✓
cb	7.5	106.0	✓



113.45

(113.5)

N		11.4	102.1	✓
15' N		16.2	97.3	✓
	85' E ✓			
-20		17.0	96.5	✓
N		10.7	102.8	✓
cb		3.2	110.3	✓
+5		0.0	113.5	✓
1/4		0.0	113.5	✓
C		0.5	113.0	✓
+3		2.0	111.5	✓
1/4		2.3	111.2	✓
cb		1.8	111.7	✓
T.P	12/62	12/62 ✓	0.05	113.40 ✓
+8		11.9	114.1	✓
S		11.5	114.5	✓
	102' E ✓			
S		10.8	115.2	✓
cb		12.8	113.2	✓
1/4		13.2	112.8	✓
C		12.3	113.7	✓
+5		12.3	113.7	✓
1/4		14.3	111.7	✓
cb		18.1	107.2	✓
N		23.0	103.0	✓
+15		25.5	100.5	✓

ANDREWS

32

(126.0)

	115' E ✓			
-15		23.8	102.2	✓
N		23.1	102.9	✓
cb		17.6	108.4	✓
1/4		13.0	113.0	✓
C		12.4	113.6	✓
1/4		12.5	113.7	✓
cb		11.9	114.1	✓
+5		11.1	114.9	✓
S		8.9	117.1	✓ on track
	127' E ✓			
S		8.1	117.9	✓ on track
+5		10.2	116.0	✓
cb		10.6	115.4	✓
1/4		11.6	114.4	✓
C		12.1	113.9	✓
1/4		13.1	112.9	✓
cb		14.7	111.3	✓
N		17.8	108.2	✓
+15		22.3	103.9	✓
	129' E			
-15		17.3	108.7	✓
N		16.6	109.0	✓ on track
cb		14.6	111.4	✓



12602

(1260)

145' E ↓

-10	17.2	108.8	✓	N
N	16.2	109.8	✓ on dirt drive	cb
+1	15.0	111.0	✓	1/2
cb	12.0	114.0	✓	c
1/4	10.3	115.7	✓	1/2
c	10.1	115.9	✓	cb
1/4	10.0	116.0	✓	s
cb	9.0	117.0	✓	T.P.
+4	8.6	117.4	✓	
+7	6.6	119.5	✓	s
3	5.9	120.1	✓	cb

165' E ↓

s	4.1	121.9	✓	c
cb	6.7	119.3	✓	1/2
1/4	7.2	118.8	✓	cb
a	7.2	118.8	✓	N
+2	6.2	119.8	✓	
1/4	6.4	119.6	✓	N
cb	7.5	118.5	✓	cb
+5	11.2	114.8	✓	1/2
N	12.0	114.0	✓	c
+1	15.6	110.4	✓ on drive	1/2
+10	15.7	110.3	✓ on drive	cb
3 cb	14.7	111.3	✓	s

400' E = W.L. Linnoco 50' wide tracks

12780

ANDREWS

33

(1260)

8.0	118.0	✓
7.2	118.6	✓
3.3	122.7	✓
3.4	122.6	✓
3.9	122.1	✓
3.3	122.7	✓
2.1	123.9	✓
2.1	125.9	✓
0.32	125.70	
	132.0	✓
5.1	126.9	✓
7.3	124.7	✓
8.0	124.0	✓
8.0	124.0	✓
7.8	124.1	✓
8.5	123.5	✓
11.8	120.2	✓
	121.0	✓
7.7	124.3	✓
7.0	125.0	✓
6.8	125.2	✓
6.8	125.2	✓
6.2	125.8	✓
4.3	127.7	✓
3.15	128.83	
	128.80	OK

626 131.96 ✓

N cb ✓

N 1/2 ✓

304 SW  
Andrews  
5 Linnoco



131.96

1320

Center Linwood ✓

S	30	129.0	✓
cb	46	127.4	✓
1/4	52	126.6	✓
c	57	126.3	✓
1/4	66	125.4	✓
cb	73	124.7	✓
N	102	121.8	✓

E 1/4 ✓

N	87	123.3	✓
+5	70	125.0	✓
cb	66	125.4	✓
1/4	56	126.4	✓
c	51	126.9	✓
1/4	45	127.5	✓
cb	37	128.3	✓
S	21	129.9	✓

E cb Linwood ✓

S	09	121.1	✓
cb	15	129.5	✓
1/4	40	128.0	✓
c	45	127.5	✓
1/4	51	126.9	✓
cb	67	125.3	✓
N	83	123.7	✓

ANDREWS

34

1320

E. L. Linwood ✓

N	80	124.0	✓	
cb	60	126.0	✓	
1/4	42	127.8	✓	
c	29	129.1	✓	
1/4	20	130.0	✓	
cb	06	131.4	✓	
S	+ 0.5	132.5	✓	
T.P.	12.58	144.42 ✓	0.12	131.84 ✓

50 E. of Linwood

N	144.42 ✓		
S	21	142.3	✓
+3	39	140.5	✓
cb	52	139.2	✓
1/4	67	137.7	✓
c	70	137.4	✓
1/4	80	136.4	✓
cb	102	134.2	✓
N	149	129.5	✓

100 E

N	62	138.2	✓	
cb	28	141.6	✓	
T.P.	820	151.90 ✓	0.72	143.70 ✓
1/4	74	144.5	✓	
c	63	145.6	✓	
1/4	54	146.5	✓	
cb	40	147.9	✓	
S	1.7	150.2	✓	



CROSS SECTION OF  
 LINWOOD ST 50' wide 10' cbs  
 from 15' N. of ANDREWS TO  
 N.E. of Fremont

131.26

132.10

15' N. of N.E. of ANDREWS

E	11.2	130.8	✓
cb	12.6	119.4	✓
1/4	14.0	118.0	✓
C	15.3	116.7	✓
1/4	16.5	115.5	✓
cb	18.0	114.0	✓
+9	18.3	113.7	✓
W	21.8	110.2	✓

12.45

141.05 ✓

128.80

BM 5W  
 Linwood + Andrews

7' S. of S.E. of Andrews ✓

W	13.2	127.8	✓
cb	12.3	126.7	✓
1/4	12.3	128.7	✓
C	11.5	129.5	✓
1/4	10.2	130.8	✓
cb	8.9	132.1	✓
+2	7.4	133.6	✓
E	5.8	135.2	✓

35' S ✓

E	1.9	139.1	✓
cb	3.7	137.3	✓
+2	5.3	135.7	✓
1/4	6.2	134.8	✓
C	7.2	133.8	✓

35

141.0 Linwood

1/4	7.9	133.1	✓
cb	8.4	132.6	✓
+4	8.9	132.1	✓
+6	10.2	130.8	✓
W	10.5	130.5	✓
+10	11.0	130.0	✓
50' S ✓			
-10	10.5	130.5	✓
W	9.8	131.2	✓
+4	9.3	131.7	✓
+5	8.0	133.0	✓
cb	7.2	133.8	✓
-1/4	7.1	133.9	✓
C	6.2	134.8	✓
1/4	5.1	135.9	✓
cb	3.6	137.4	✓
+2	2.2	138.8	✓
E	0.7	140.2	✓
56' S ✓			
E	2.0	139.0	✓
cb	3.2	137.8	✓
+2	4.1	136.9	✓
1/4	5.1	135.9	✓
C	6.0	135.0	✓
1/4	6.9	134.1	✓
cb	6.9	134.1	✓



141.05

141.0

W

8.3

132.7 ✓

75' 5 ✓

W

7.6

133.4 ✓

cb

6.2

134.8 ✓

1/4

5.7

135.3 ✓

c

5.1

135.9 ✓

1/4

4.2

136.8 ✓

cb

3.5

137.5 ✓

F

1.4

139.6 ✓

100' 5 ✓

E

0.1

140.9 ✓

+9

1.8

139.2 ✓

cb

3.0

138.0 ✓

+2

4.0

137.0 ✓

1/4

4.5

136.5 ✓

c

5.1

135.9 ✓

1/4

5.6

135.4 ✓

cb

5.9

135.1 ✓

W

6.6

134.4 ✓

133' 5 ✓

-5

7.9

133.1 ✓

W

7.1

133.9 ✓

cb

6.3

134.7 ✓

1/4

5.8

135.2 ✓

c

5.0

136.0 ✓

1/4

4.3

136.7 ✓

LINWOOD

36

141.0

+5.5

3.8

137.2 ✓

cb

2.9

138.1 ✓

+1

1.7

139.3 ✓

F

0.4

140.6 ✓

135' 5 ✓

E

3.6

137.4 ✓ = front of garage

cb

3.9

137.1 ✓

1/4

4.4

136.6 ✓

c

5.1

135.9 ✓

148' 5 ✓

E

3.4

137.6 ✓ = front of garage

cb

3.8

137.2 ✓

1/4

4.4

136.6 ✓

c

5.3

135.7 ✓

150' 5 ✓

E

0.5

140.5 ✓

cb

2.5

138.5 ✓

+5.5

4.3

136.7 ✓

1/4

4.4

136.6 ✓

c

5.3

135.7 ✓

1/4

6.2

134.8 ✓

cb

6.5

134.5 ✓

W

7.2

133.8 ✓

+5

8.3

132.7 ✓

175' 5 ✓

-5

8.9

132.1 ✓



141.05

141.0

W	8.0	133.0	✓
cb	7.3	133.7	✓
1/4	6.8	134.2	✓
C	6.3	134.7	✓
1/4	5.4	135.6	✓
+3.5	5.2	135.8	✓
cb	3.7	137.3	✓
E	0.3	140.7	✓
200' S ✓			
E	1.6	139.4	✓
cb	6.0	135.0	✓
1/4	7.0	134.0	✓
C	7.4	133.6	✓
1/4	7.7	133.3	✓
cb	8.7	132.3	✓
W	9.4	131.6	✓
+5	10.0	131.0	✓
203' S			
E	4.1	136.9	✓
cb	6.2	134.8	✓
219' S ✓			
-5	10.5	130.5	✓
W	9.8	131.2	✓
cb	9.4	131.6	✓
1/4	8.5	132.5	✓
C	8.1	132.9	✓

LINWOOD

37

141.0

1/4	7.7	133.3	✓
cb	6.8	134.2	✓
E	4.2	136.8	✓
229' S ✓			
-8	8.8	132.2	✓
E	9.6	131.4	✓
cb	7.5	133.5	✓
1/4	8.3	132.7	✓
C	8.6	132.4	✓
1/4	8.8	132.2	✓
cb	10.3	130.7	✓
W	13.2	127.8	✓
+15	16.0	125.0	✓
240' S ✓ culvert necessary here			
-15	16.0	125.0	✓
W	14.0	127.0	✓
cb	12.8	128.2	✓
+4	12.0	129.0	✓
1/4	10.5	130.5	✓
+3.5	8.8	132.2	✓
C	8.7	132.3	✓
1/4	8.5	132.5	✓
+4.5	8.1	132.9	✓
cb	9.7	131.3	✓
E	10.0	131.0	✓
+10	9.9	131.1	✓



141.05

(141.0)

250' 5 ✓

-10	9.8	131.2	✓
E	9.8	131.6	✓
cb	8.5	132.5	✓
1/4	8.4	132.6	✓
c	8.4	132.6	✓
+4.5	8.7	132.3	✓
1/4	10.6	130.4	✓
cb	12.4	128.6	✓
W	13.6	127.4	✓
+15	15.4	125.6	✓
-0.2 = Top of wall + on lawn	15.2	125.5	✓
E	7.2	133.8	✓
cb	8.1	132.9	✓
270' 5 ✓			
-15	15.3	125.7	✓
W	13.8	127.2	✓
cb	10.0	131.0	✓
+6	8.0	133.0	✓
1/4	8.0	133.0	✓
c	7.3	133.7	✓
1/4	6.7	134.3	✓
cb	6.6	134.4	✓
E	6.0	135.0	✓
+0.2 = Top of wall + lawn	3.5	137.5	✓

LINWOOD

38

(141.0)

285' 5 ✓

-0.2 = Top of wall	3.0	138.0	✓	
E	4.3	136.7	✓	
cb	4.8	136.2	✓	
1/4	5.3	135.7	✓	
c	6.0	135.0	✓	
1/4	7.5	133.5	✓	
cb	7.6	133.4	✓	
W	10.2	130.8	✓	
+10	11.6	129.4	✓	
see page 44 for intersection				
TP	2.45	138.60	✓	
TP	12.76	153.60 ✓	0.21	140.84 ✓
✓ 11' 5" x 5.1 Wellborn (153.6) ✓				
-30	14.8	138.8		
W	9.5	144.1		
cb	7.9	145.7		
1/4	7.4	146.2		
c	7.0	146.6		
1/4	6.6	147.0		
cb	7.1	146.5		
+9 = front of garage	7.0	146.6		
✓ 15' 5"				
E	+1.8	155.4		
+3	2.1	151.5		
cb	3.4	150.2		



153.60

(153.6)

+ 2.5	5.9	147.7
1/4	5.9	147.7
C	6.4	147.2
1/4	7.1	146.5
cb	7.6	146.0
W	9.2	144.4
+10	11.1	142.5
+30	14.6	139.0
/ 40'S		
-20	10.2	143.4
W	6.7	146.9
cb	5.2	148.4
1/4	4.4	149.2
C	3.8	149.8
1/4	3.1	150.2
+4.5	3.3	150.3
cb	+0.4	154.0
+7	+0.6	154.2
E	+4.5	158.1
/ 60'S		
E	+5.0	158.6
+1	+3.1	156.7
cb	+2.7	156.3
+3.5	1.6	152.0
1/4	1.5	152.1
C	1.8	151.8

LINWOOD

39

(153.6)

1/4	1.8	151.8
cb	2.3	151.3
+5	3.2	150.4
W	5.0	148.6
+10	7.1	146.5
/ 70'S		
-10	5.8	147.8
W	4.0	149.6
cb	1.5	152.1
1/4	1.1	152.5
C	0.5	153.1
1/4	0.2	153.4
+4	0.0	153.6
TP	126.5	166.1 ✓
cb	0.1 ✓	153.46
E	9.7	156.1
	7.8	156.4
	7.8	158.3
/ 87'S		
E	7.0	156.1
+6	7.8	158.3
cb	10.2	155.9
1/4	10.8	155.3
C	11.2	154.9
1/4	11.5	154.6
cb	11.8	154.3
+4	11.8	154.2
W	14.3	151.8
+10	16.0	150.1



166.11

(166.1)

88'5

E = front of garage

9.8

156.2

cb = driveway

10.4

155.7

98'5

E = front of garage

9.8

156.3

cb = driveway

9.5

156.6

↓ 99'5

-10

15.0

151.1

W

13.0

153.1

+3

12.4

153.7

+7

10.7

155.4

cb

10.5

155.6

1/4

10.4

155.7

c

10.0

156.1

1/2

9.7

156.4

cb

9.4

156.7

+2

9.4

156.7

+5

6.4

159.7

E

5.5

160.6

↓ 109'5

E

4.8

161.3

cb

7.2

158.9

1/4

8.7

157.4

c

9.2

156.9

1/4

9.5

156.6

cb

9.8

156.3

LINWOOD

40

(166.1)

W

12.4

153.7

+10

14.3

151.8

✓ 131'5

-10

12.6

153.5

W

10.8

155.3

+5

9.4

156.7

cb

7.4

158.7

1/4

7.1

159.0

c

7.0

159.1

1/4

6.4

159.7

cb

6.2

159.9

+6

3.0

163.1

E

2.9

163.2

132'5

E = front of garage

5.8

160.3

cb

6.1

160.0

✓ 143'5

E = front of garage

5.7

160.3

cb

5.1

161.0

1/4

5.0

161.1

c

5.5

160.6

1/4

6.0

160.1

cb

6.1

160.0

W

9.0

157.1

+10

11.0

155.1



16611

144' S

166.1

E  
+4  
+7  
cb1.0 165.1  
1.5 166.6  
3.2 160.9  
5.0 161.1

√ 147' S

-10

10.9 155.2

W

8.5 157.6

cb

5.7 160.4

1/4

5.5 160.6

c

5.0 161.1

1/2

4.4 161.7

+4.5

4.3 161.8

+6

2.5 163.6

cb

2.3 163.8

E

0.8 165.3

√ 154' S

E

0.0 166.1

cb

2.5 163.6

1/4

3.8 162.3

c

4.3 161.8

1/2

5.2 160.9

cb

5.4 160.7

W

8.5 157.6

+10

10.2 155.9

√ 155' S

-10

10.1 156.0

W

8.5 157.6

LINWOOD

166.1

41

cb

5.3 160.8

1/4

5.2 160.9

c

4.3 161.8

1/4

3.8 162.3

cb

3.8 162.3

E = front of garage

3.7 162.4

√ 163' S

E = front of garage

3.7 162.4

cb

3.2 162.9

1/4

3.2 162.9

c

3.6 162.5

1/4

4.4 161.7

cb

5.2 160.9

W

7.4 158.7

+10

9.1 157.0

√ 166' S

-10

9.0 157.1

W

7.1 159.0

cb

4.9 161.2

1/4

4.2 161.9

c

3.6 162.6

1/4

3.2 162.9

cb

1.5 164.6

TP 545 169.49 ✓

10.9 164.04

+5

2.4 167.1

E

1.8 167.7



169.49

169.5

	180'S		
E	1.3	168.2	
+5	1.7	167.8	
cb	3.0	166.5	
+5	4.6	164.9	
1/4	4.9	164.6	
c	5.6	163.9	
1/4	6.8	162.7	
cb	7.8	161.7	
W	8.9	160.6	
	200'S		
W	7.7	161.8	
cb	7.1	162.4	
1/4	5.9	163.6	
c	4.8	164.7	
1/4	3.9	165.6	
cb	2.5	167.0	
+5	1.3	168.2	
E	0.6	168.9	
	225'S		
E	1.3	168.2	
cb	3.1	166.4	
1/4	4.3	165.2	
c	5.4	164.1	
1/4	6.3	163.2	
cb	7.1	162.4	

	250'S		169.5
W	7.9	161.6	
-10	11.1	158.4	
W	10.3	159.2	
cb	8.8	160.7	
1/4	8.2	161.3	
c	7.8	161.7	
1/4	6.2	163.3	
cb	4.9	164.6	
E	3.6	165.9	
	365'S		
E	4.8	164.7	
cb	7.0	162.5	
1/4	8.3	161.2	
c	9.2	160.3	
1/4	9.3	160.2	
cb	11.1	158.4	
W	11.9	157.6	
+10	12.6	156.9	
	368'S		
-10	13.3	156.2	
W	12.6	156.9	
cb	11.3	158.2	
1/4	9.9	159.6	
c	9.3	160.2	
1/4	8.4	161.1	
cb	7.3	162.2	
E	6.1	163.0	



169.5

290.5

E	9.1	160.4
cb	9.9	159.6
1/4	10.9	158.6
c	14.0	155.5
1/4	14.5	155.1
cb	15.4	154.1
+5	14.6	154.9
W	14.5	155.0
+8 = front of porch	14.7	154.8
300.5 = N2 Fremont		
-8	16.2	153.3
W	17.7	151.8
cb	18.0	151.5
1/4	17.5	152.0
C	15.7	153.8
1/4	15.0	154.5
+3	14.8	154.7
cb	14.2	157.3
+5	10.0	159.5
E	9.4	160.1



CROSS SECTION OF  
WELLBORN ST 50' wide  
from E.L. Linwood  
To Middletown Line

6.92

1477.6 ✓  
E.L. Linwood ✓ (1477.8)

S	1.0	146.8 ✓
+5	0.0	147.8 ✓
cb	0.9	146.9 ✓
1/4	2.1	145.7 ✓
c	3.5	144.3 ✓
+2	8.4	139.4 ✓
1/4	8.6	139.2 ✓
cb	8.8	139.0 ✓
N	9.9	137.9 ✓
E. Curb ✓		
N	10.2	137.6 ✓
cb	9.2	138.6 ✓
1/4	8.4	139.4 ✓
+3	8.0	139.8 ✓
c	6.3	141.5 ✓
+2	4.8	143.0 ✓
1/4	4.0	143.8 ✓
cb	2.4	145.4 ✓
S	1.5	146.3 ✓
E 1/4 ✓		
S	1.6	146.2 ✓
cb	3.5	144.3 ✓
1/4	5.4	142.4 ✓
c	6.8	141.0 ✓

1/4  
cb  
N  
N  
cb  
1/4  
c  
1/4  
cb  
+5  
S  
S  
cb  
+4  
1/4  
c  
1/4  
cb  
N  
N  
cb  
1/4  
c

Center ✓

8.2	139.6 ✓
9.4	138.4 ✓
10.6	137.3 ✓
Center ✓	
11.1	136.7 ✓
10.2	137.6 ✓
8.8	139.0 ✓
7.3	140.5 ✓
5.4	142.4 ✓
4.0	143.8 ✓
2.1	145.7 ✓
1.9	145.9 ✓
W 1/4 ✓	
3.3	142.5 ✓
3.8	144.0 ✓
3.4	144.4 ✓
6.3	141.5 ✓
8.1	139.7 ✓
10.0	137.8 ✓
10.8	137.0 ✓
11.6	136.2 ✓
W curb ✓	
12.6	135.2 ✓
11.9	135.9 ✓
10.5	137.3 ✓
9.0	138.8 ✓

(1477.8)

44



14776

(147.8)

+5	8.0	139.8	✓
1/4	6.3	141.5	✓
+2	5.3	142.5	✓
cb	5.2	142.6	✓
5	5.0	142.8	✓
	41mwood		
	W. L. Dellberg		
5	5.0	142.8	✓
+5	6.7	141.1	✓
cb	7.0	140.8	✓
1/4	7.3	140.5	✓
+3.5	9.7	138.1	✓
C	10.2	137.6	✓
1/4	12.4	135.0	✓
cb	13.1	134.7	✓
N	13.6	134.2	✓
	15' W ✓		
-15	20.0	127.8	✓
N	16.9	130.9	✓
+3	16.8	131.0	✓
+8	14.5	133.3	✓
cb	14.3	133.5	✓
1/4	14.1	133.7	✓
+5	13.8	134.0	✓
C	12.7	135.1	✓
1/4	11.4	136.0	✓
+2	9.8	138.0	✓

45

(147.8)

cb	9.6	138.2	✓
+6	9.6	138.2	✓
+7	7.8	140.0	✓
6	7.4	140.0	✓
	30' W ✓		
5	9.8	138.0	✓
+2	10.0	137.8	✓
+3	12.2	135.6	✓
cb	12.3	135.5	✓
T.P.	0.30	135.48	✓
+3	12.58	135.18	✓
1/4	0.0	135.5	✓
1/4	1.8	133.7	✓
+4	2.5	133.0	✓
C	4.0	131.5	✓
1/4	4.0	131.5	✓
+4	3.9	131.6	✓
cb	5.1	130.4	✓
+3	6.2	129.3	✓
N	6.4	129.1	✓
+15	10.8	124.7	✓
	65' W ✓		
-15	13.7	121.8	✓
N	11.7	123.8	✓
cb	10.2	125.3	✓
1/4	8.6	126.9	✓
+3	8.2	127.3	✓



13548

(135.5)

c	8.8	126.7	✓	
1/4	7.9	127.6	✓	
+4.5	6.2	129.3	✓	
cb	6.3	129.2	✓	
+8	6.2	129.3	✓	
+9	4.4	131.1	✓	
5	4.4	131.1	✓	
100' W				
5	11.4	124.1	✓	
cb	11.4	124.1	✓	
+4	11.7	123.8	✓	
1/4	12.6	122.9	✓	
TP	0.57	130.2	✓	(133.3)
c	0.3	123.7	✓	129.7
1/4	0.7	123.3	✓	127.3
cb	1.7	122.3	✓	121.3
N	2.7	121.3	✓	120.3
+10	4.0	120.0	✓	119.0
125' W ✓				
-10	7.2	116.8	✓	115.8
N	7.1	116.9	✓	115.9
+5	5.7	118.3	✓	117.3
cb	4.2	119.8	✓	118.8
1/4	3.4	120.6	✓	119.6
c	2.7	121.3	✓	120.3
1/4	2.8	121.2	✓	120.2

cb

+6

5

5

cb

1/4

c

1/4

cb

+9 = house

N

cb

1/4

c

1/4

cb

5

5

5

cb

1/4

5

1/4

1/4

cb

N

(124.0)

116

2.8	127.2	✓	120.7
1.5	127.5	✓	121.5
1.5	127.5	✓	121.5
150' W			
5.1	118.9	✓	117.9
5.9	118.1	✓	117.1
6.2	117.8	✓	116.8
6.2	117.8	✓	116.8
6.8	117.2	✓	116.2
8.4	115.6	✓	114.6
9.8	114.2	✓	113.2
181.16'E = E.L. Columbia on No.			
12.2	111.8	✓	110.8
12.4	111.6	✓	110.6
12.3	111.7	✓	110.7
12.1	111.9	✓	110.9
11.4	112.6	✓	111.6
10.8	113.2	✓	112.2
10.0	114.0	✓	113.0
181.16'E on No. 199.12' S = E.L. Columbia			
12.4	111.6	✓	110.6
12.5	111.5	✓	110.5
12.3	111.7	✓	110.7
12.4	111.6	✓	110.6
12.8	111.2	✓	110.2
12.6	111.4	✓	110.4
12.2	111.8	✓	110.8



1/30/28

Gregory  
Illmore  
Shaw

# Curb Elevations EVERGREEN ST.

LYTTON

ST.

IBSEN

ST.

61.19

60.19

72.22

70.09

65.27

66.27

68.01

67.03

KINGSLEY

ST.

HOMER

ST.

62.79

62.87

68.24

68.09

66.25

65.51

74.53

74.65

JAMES

ST.

GOLDSMITH

ST.

67.55

66.76

72.6

74.26

71.42

71.86

73.50

72.30

IBSEN

ST.

6116 BM BP 31V Evergreen Lytton

744

47

42 72.04 10.85  
61.19

11.85 10.17 9.14  
60.19 61.87 62.87

72.04 8.37  
63.67 P. on lamp 8.53 6.04  
61.88

67.5 67.0 66.5 55.6 44.0 44.0  
64.57 65.7 66.7 66.6 67.8 67.7

7.42 2.5 4.39 4.37 4.71 3.85 7.16 7.19 8.17 7.11 6.06  
72.78 70.24 70.81 70.8 70.9 72.2 72.4 68.01 68.3 68.9 68.24

75.0 2.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5  
74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5  
74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5



1/30/03

Compare  
more  
soon

Curb Elevations  
on KINGSLEY ST

ROSECRAWNS

ST

45.08

46.08

ST

51.96

51.91

LOCUST

ST

52.92  
54.02

52.44  
55.11



61.19  
61.17

61.19  
62.71

EVERGREEN

ST

62.17  
63.99

KINGSLEY

62.74  
63.87

68.29

69.20

6116

7004

48

1075	917	734			
6179	2804	1930			
1085	817	326	395		
6179	1887	1379	6827		
1057	1161	1075	113	272	302
5412	3090	5311	3483	5316	5320
				420	420
				5176	5176
6369					
115	1507				



2/23  
Gregor  
Wood  
Miller  
Shaw

Levels for Drain  
32<sup>nd</sup> + Thor II  
see sketch page 24

0.30	307.56	307.26	
0+00 = End of 22" pipe	16.17	291.39	Flow Line
0+985 = $\Delta$ 26° 54' R.	13.7	293.9	
+ 25	13.1	294.5	
+ 43	8.3	299.3	
+ 48.33 = inlet of 24" c.p.	8.18	299.38	Flow Line
+ 73.56 = center of C.B.	8.60	298.96	= Lower ✓
	5.87	301.69	Flow Line at Thor II Drain

4833

49



8/2/23

Gregory  
HearbyX-section of ORCHARD ST  
from 135 W. of Bacon to the Beach  
80' wide 20' abs. 10' 1/4's

5.96

135 W. of Bacon

N.	1.7
cb on cement	2.07
gutter	2.8
1/4	2.3
C	2.2
1/4	2.9
gutter	2.7
5 cb on cement	2.08
5	2.0

138' W. = end of cement cb on S.

5	2.1
cb on cement	2.00
gutter	3.0

140' W. = end of cement cb on N.

5	3.7
+12	2.7
cb.	4.7
+2	5.1
+5	8.6
1/4	8.6
C	7.8
+7	7.6
1/4	2.9
+5	2.1
+7	4.1

on BP NE  
Orchard St

gutter

cb on cement.

N 1.7

N 1.6

+16 1.7

cb 3.2

+2 5.5

1/4 2.8

C 9.8

1/4 11.3

123' W







125.75

1/4	14.2	111.6 ✓
C	15.3	110.5 ✓
1/4	15.2	110.6 ✓
cb	13.7	112.1 ✓
+7	11.9	113.9 ✓
S	10.6	115.2 ✓
100' W		
S	8.2	117.6 ✓
+3	9.1	116.7 ✓
cb	10.5	115.3 ✓
1/4	11.9	113.9 ✓
C	11.2	114.6 ✓
1/4	10.1	115.7 ✓
+3.5	9.6	116.2 ✓
cb	8.1	117.7 ✓
+6	6.9	118.9 ✓
N	4.1	121.7 ✓
125' W		
N	1.6	124.2 ✓
+4	4.4	121.4 ✓
cb	4.7	121.1 ✓
+4	6.5	119.3 ✓
1/4	7.1	118.7 ✓
C	7.1	118.4 ✓
1/4	7.8	118.0 ✓
cb	6.7	119.1 ✓

McCALL 52

+8	5.3	120.5 ✓	
S	4.6	121.2 ✓	
150' W			
S	1.4	124.4 ✓	
cb	3.6	122.2 ✓	
1/4	4.4	121.4 ✓	
C	3.6	122.2 ✓	
1/4	3.2	122.6 ✓	
+3	3.1	122.7 ✓	
cb	1.5	124.3 ✓	
+6	1.1	124.7 ✓	
T.P. 13.13	138.75	0.03	125.92 ✓
N	11.9	127.0	
175' W			
N	8.1	130.8 ✓	
+4	10.4	128.5 ✓	
cb	11.3	127.6 ✓	
1/4	12.3	126.6 ✓	
C	12.4	126.5 ✓	
1/4	12.9	126.0 ✓	
cb	12.5	126.4 ✓	
S	11.3	127.6 ✓	
200' W			
S	2.4	130.5 ✓	
cb	9.0	129.9 ✓	
1/4	9.1	129.8 ✓	



13885

C	93	129.6 ✓
1/4	82	130.7 ✓
cb	79	131.0 ✓
+6	67	132.2 ✓
N	46	134.3 ✓
215' W		
N	28	136.1 ✓
+4	48	134.1 ✓
cb	61	132.8 ✓
1/4	80	130.9 ✓
C	80	130.9 ✓
1/4	76	131.3 ✓
cb	68	134.1 ✓
+7	76	131.3 ✓
S	94	129.5 ✓
+2	11.0	127.9 ✓
+10	11.4	127.5 ✓
217' W		
-20	18.7	120.2 ✓
S	12.9	136.0 ✓
+5	7.2	131.7 ✓
cb	6.6	134.3 ✓
230' W		
Scb	5.4	133.5 ✓
+6	6.3	134.6 ✓
+8	11.3	127.4 ✓

MCCALL

53

5.1	13.0	125.9 ✓
+5	13.6	125.3 ✓
+10	14.2	124.7 ✓
+20	16.0	122.9 ✓
2' H. x 5L	10.75	128.10 ✓ = Outlet of 12" C.P.
-15	14.7	126.2 ✓
-5	11.1	127.8 ✓
S	7.4	131.5 ✓
+5	5.7	133.2 ✓
cb	5.1	133.8 ✓
1/4	5.6	133.3 ✓
C	5.5	133.4 ✓
1/4	5.2	133.7 ✓
cb	3.6	135.3 ✓
+6	1.9	137.0 ✓
N	0.6	138.3 ✓
T.P.	8.54	146.45 ✓
2' 50' W		
N	3.3	143.2 ✓
+5	7.1	139.4 ✓
cb	9.2	137.3 ✓
1/4	10.4	136.1 ✓
C	10.9	135.7 ✓
1/4	11.1	135.4 ✓
cb	10.8	135.7 ✓
S	17.3	124.2 ✓
+5	14.0	132.5 ✓



275' W

-5	10.4	136.1	✓
-1	9.1	137.4	✓
5	8.2	138.3	✓
cb	7.7	138.8	✓
1/4	7.3	139.2	✓
c	6.7	139.8	✓
1/4	6.4	140.1	✓
cb	6.4	140.1	✓
+6	5.2	141.3	✓
N	2.8	143.7	✓

300' W = EL San Geronimo

N	1.6	144.9	✓
cb	2.0	144.5	✓
1/2	2.6	144.1	✓
c	3.2	143.3	✓
1/4	3.5	143.0	✓
cb	4.2	142.3	✓
5	4.7	141.8	✓
+5	6.6	139.9	✓



250' Alley 1/4 BIK 38, La Jolla, <sup>park</sup> Silverado to Prospect Bet Faye Tamarol

9/6/23 <sup>with</sup> <sub>mid</sub>

B.M. 8.22 107.74 ✓ 99.52 N.W. Faye Silverado

0.0 = N. Line Silverado

W 4.81 102.93 ✓ on ch

W 4.98 102.76 ✓ on paving

C 5.02 102.72 ✓

E 4.70 103.04 ✓ " "

E 4.56 103.18 ✓ " ch

35' N

E 4.6 103.1 ✓

E 5.1 102.6 ✓

W 5.0 102.7 ✓

28.5' N. to 36.0' N. Shed on W 1.5' in Alley

46.0' N Garage on S. Dirt on line

W 5.2 102.5 ✓

E 5.1 102.6 ✓

E 5.2 102.5 ✓

95' N Garage on W. cement 3' Back

W-3 5.0 102.7 ✓ on Floor

100' N

E 5.0 102.7 ✓

E 5.3 102.4 ✓

W 5.3 102.4 ✓

112' N Garage on W. cement 3' Back

W-3 5.2 102.4 ✓ on cement floor

W-1.5 5.4 102.3 ✓ " " Area



107.74

150'N

W		5.9	101.8 ✓
C		5.9	101.8 ✓
E		5.8	101.9 ✓

200'N

E		6.1	101.6 ✓
e		5.9	101.8 ✓
W		6.1	101.6 ✓

250'N

W		6.0	101.7 ✓
E		5.9	101.8 ✓
E		6.1	101.6 ✓

300'W

e		6.1	101.6 ✓	
E		5.7	102.0 ✓	
W		5.9	101.8 ✓	
TP	1.50	103.44 ✓	5.90	101.74 ✓

312'N Garage on E Dirt 7' Back

E		1.5	101.9 ✓
---	--	-----	---------

350'N

W		2.3	101.1 ✓
E		2.1	101.3 ✓
E		2.0	101.4 ✓

365'N Garage on W Dirt 1.5 Back

W-15		2.8	100.6 ✓
------	--	-----	---------



103,44

400.'N

E	3.0	100.4 ✓
C	3.4	100.0 ✓
W	3.7	99.7 ✓

425' N. Garage on E. Dirt 4.0' Back

W	4.4	99.0 ✓
E	4.4	99.0 ✓
E	3.8	99.6 ✓
+4.	3.4	100.0 ✓

440 N Garage on E. Dirt 8.5' Back

4.50 N

E	4.2	99.2 ✓
C	5.1	98.3 ✓
W	5.1	98.3 ✓

493 N = Garage on W Dirt 4.0' Back

W-4	6.7	96.7 ✓
W	6.7	96.7 ✓
C	6.8	96.6 ✓
E	6.4	97.0 ✓

540 N

E	7.7	95.7 ✓
e	8.7	94.7 ✓
W	7.8	95.6 ✓

558 N

W	8.8	94.6 ✓
C	9.8	93.6 ✓
E	8.4	95.0 ✓

40  
58  
61 ON W  
70 ON E

57



103.44

58

561 N. approximate on W + 570 N. on E = S line Prospect

E			10.45	92.99	on alkyl return
C			10.65	92.79	✓
W			10.50	92.84	" " "
T.P.	4.53	97.45	10.52	92.92	✓
T.P.			5.43	92.02	B.M. Fay + Prospect



10/30/23 Gregory

CROSS SECTION OF  
A PORTION OF  
ORIZABA + COUTS

12.93 273.95 261.02 <sup>89 NE</sup> 5.5 = width

SEC. A

18' S.O.X PTX	5.20	768.8	= elevation of
18.1 - - - -	6.1	767.9	
37.7 - - - - = N. ob line prod. W.	6.2	767.8	
59 - - - -	6.8	767.7	
80 - - - -	8.0	766.0	
82 - - - -	6.5	767.5	
90 - - - -	8.0	766.0	
106.1 ± - - - = PTX	10.3	763.7	

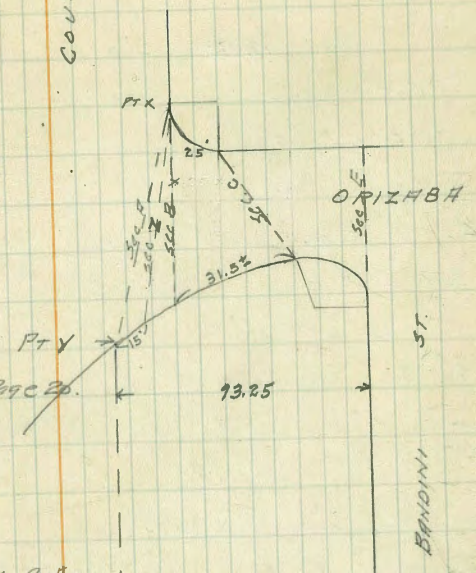
SEC. Z =

99 ± - PTX = S.L. Orizaba	5.3	768.7	
80 - - - -	6.3	767.7	
76 - - - -	7.2	766.8	
50 - - - -	6.2	767.8	
36.2 - - - - = N. ob line prod.	6.2	767.8	
20.1 - - - -	6.1	767.9	

SEC. B.

25' S.O.X PTX	6.2	767.8	
35 - - - -	6.0	768.0	
50 - - - -	5.8	768.4	
70 - - - -	6.4	767.6	
75 - - - -	6.8	767.7	
78 - - - -	5.9	768.1	
95 - - - -	5.4	768.6	

COUTS



See Book 1075 Page 20

773.95

SEC. C.

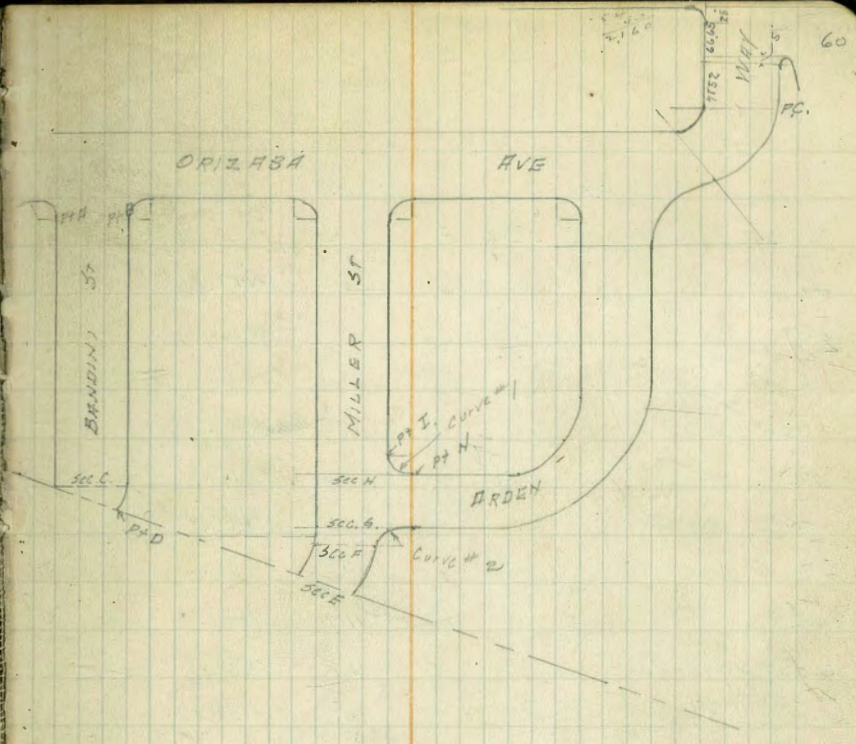
63' 5" ± S.O.X N.L. Orizaba = S.L. Orizaba	4.7	769.3	
54 - - - -	5.0	769.0	
52 - - - -	5.6	768.4	
30 - - - -	4.9	769.1	
10' - - - - = N. gutter.	5.7	769.3	



10/30/23

LEVELS ON BANDINI ST  
from ORIZABA TO S.L. of  
INSPIRATION HEIGHTS

	12.93	273.95	261.02	NE V. 114 45.5
PT A = W. cb			4.6	769.4
✓ B = E. ✓			4.0	770.0
25' S. of PT A E. cb			5.5	768.5
rt angles to last above W. cb			5.7	768.3
50' S. of last above W. cb			8.3	765.7
rt angles across E. cb			8.2	765.8
50' S. of last above E. cb			11.1	762.9
rt angles to ✓ - W. cb			11.2	762.8
T.P. 0.74	262.27	12.42		261.53
50' S. of last one above W. cb			2.3	260.0
rt angles to one above E. cb			2.1	760.7
50' S. of last ✓ - E. cb			5.0	757.3
rt angles to ✓ - W. cb			5.0	757.3
Sec. C ✓ - ✓ = Mid. Pad Line	7.5			754.8
✓ - ✓ E. cb = P.C.	6.9			755.4
PT D ✓ - ✓ = Mid. Pad Line	7.9			754.4





10/30/23

CROSS SECTION +  
LEVELS ON DIRT CURBS  
MILLER ST

753.16

61

	A	267.27	
	0.60	9.71	252.56
	SEC. E		
	253.16	6.2	747.0
W.		6.5	746.7
+5		8.3	744.9
+6		7.9	745.4
√ +10 = Web		7.4	745.8
+17.5		7.1	746.1
+25		7.2	746.0
+27		11.9	741.3
+32.5		11.8	741.4
(10' 3.0' above for slope)		17.4	735.8
√ +40 = Eob		17.6	735.6
(15' 3.0' last above for slope)		22.6	730.6
+50 = EL.		23.1	730.1
(25' 3.0' above for slope)		31.9	721.3
15' E of EL.		30.2	723.0
(25' 3.0' above for slope)		43.3	709.9
30' E. of EL.		42.5	710.7
40' - - -		44.2	709.0
50' - - -		44.6	708.6
65' - - -		56.0	197.7
(22' 3.0' above for slope)		29.2	744.0
40' E of EL		27.3	745.9
30' - - -			

11.96 H. on W  
19.59 - - E

EL	17.9	737.3
√ 10' W = Eob	12.8	740.4
17.5 -	8.8	744.4
22.5 -	6.6	746.6
25' W	6.3	746.9
32.5 -	6.6	746.6
√ 40 -	6.8	746.4
43 -	7.2	746.0
44 -	5.8	747.4
50' W = W.L.	5.8	747.4
	23.92 H. on W	
	39.78 - - E	
W.L.	5.2	748.0
5' E. of W.L.	5.6	747.6
√ 10' - - -	6.4	746.8
17.5 - - -	5.8	747.4
25' - - -	5.6	747.6
32.5 - - -	6.0	747.4
√ 40 - - -	5.8	747.4
50' - - - = EL	5.8	747.4
	300 F	
EL	4.3	748.9
√ 10' W	4.9	748.3
17.5 W	4.8	748.4
21	4.7	748.5
32.5	4.8	748.4
√ 40	5.2	748.0



~~265.57~~  
253.16

43' W

4.7

448.5

50' W

4.7

448.5

Sec. G.

✓ W. Cb.

3.0

450.7

T.P.

1286

~~274.94~~  
265.63

0.39

~~252.77~~  
251.88

✓ Sec H. on W. Cb.

12.5

453.1

✓ Pt E on E. Cb.

10.9

454.7

100 H. at last above E. Cb.

3.7

461.9

rt angles to ↗ W. Cb.

3.7

461.9

T.P.

1260

~~224.60~~  
277.53

0.70

~~224.60~~  
264.93

100 H. at last on W. Cb.

8.5

469.0

rt angles to above E ✓

8.4

469.1

✓ 100 H. at last ✓

PC. 253<sup>orig</sup>

2.8

474.7

✓ rt angles to above

2.8

474.7



11/6/23

CROSS SECTION OF  
ARDEN WAY  
From S.L. Sunset to  
Dr 13769  
50' wide 10' cbs

on BM	1.61	270.05	262.44	BP NW E.S. Arg.
	4.07	265.22	261.25	
S.L. Sunset				
✓ W. cb Line of Arden Way	1.33	263.99	on paving	
1/2	1.43	263.89	-	
C	1.53	263.79	-	
1/2	1.62	263.60	-	
✓ cb	2.06	263.76	-	
E	2.48	264.84	-	
25' S. of S.L. Sunset				
-10	5.2	260.1		
E	4.7	260.6		
✓ cb	4.0	267.3		
1/2	3.9	261.5		
C	3.8	261.5		
1/2	3.3	267.0		
gutter	3.7	261.6		
✓ W curb (on cement)	3.28	267.04		
50' S.				
✓ W. curb (on cement)	4.73	260.59		
gutter	5.4	259.9		
1/2	5.3	260.0		
C	5.4	259.8		
1/2	5.7	259.6		
✓ cb	6.0	259.3		
E	6.2	259.1		
+3	8.2	257.1		
+10	9.1	256.2		

683

63

265.34

75' S

E	7.1	258.7
✓ cb	7.0	258.3
1/2	7.0	258.3
C	6.8	258.5
1/2	6.8	258.5
gutter	6.4	258.9
✓ W cb (on cement)	5.88	259.44
96.7' S of S		
✓ W cb (on cement)	6.72	258.60
gutter	7.2	258.1
1/2	7.4	257.9
C	7.7	257.6
1/2	7.9	257.4
✓ cb	7.7	257.6
E	7.8	257.5
144.7' S of Sunset		
E	9.3	256.0
✓ cb	9.1	256.2
1/2	9.0	256.3
C	8.6	256.7
1/2	8.7	256.6
+9	8.8	256.5
✓ cb	8.1	257.2
+5	7.4	257.9
W.	7.2	258.1

Elev of cement cb 100' S. of Sunset = 256.50



20532

175 5.0 x Sunset = PC.

W	7.4	257.9
✓ cb	8.2	257.1
+2	8.5	256.8
1/4	8.6	256.7
c	8.6	256.7
1/2	8.8	256.5
✓ cb	9.4	255.9
E	9.1	256.2

416.2 5.0 x PC.

E	7.8	257.5
+6	7.8	257.5
✓ cb	8.4	256.9
1/4	8.3	257.0
C	7.9	257.4
1/2	7.7	257.6
gutter	8.0	257.3
✓ cb	7.6	257.7
W.	7.0	258.3

89.25 5.0 x PC = PRC.

center	6.0	259.3
1/4	6.1	259.2
✓ Ecb	6.3	259.0
+3	6.4	258.9
+4 this is top of dirt curb	5.9	259.4
E	5.9	259.4

From here on the st. is graded x 6' curbs

These distances all on East side of St.

416.25 5.0 x PC  
17.41

258.57 69

17.41 on Prop Line 5.0 x PRC.

E Curb	4.8	260.5
34.82 on ditto 5.		
-	4.2	261.1
52.23 on ditto 5.		
-	4.3	261.0
69.64 on ditto 5 = EC.		
✓	4.8	260.5
W cb	4.8	260.5

50 5.0 x EC.

W cb	6.1	259.2
E ✓	5.8	259.5

- 100 5.0 x EC

Ecb	7.0	258.3
W ✓	7.2	258.1

- 150 5.0 x EC

Wcb	8.4	256.9
E ✓	8.4	256.9

189.77 5.0 x EC = PC.

Ecb	9.4	255.9
W ✓	9.3	256.0

50.45 5.0 x PC.

Wcb	10.2	255.1
E ✓	10.4	254.9

100.90 5.0 x PC.

Ecb	11.5	253.8
W ✓	11.3	254.0

These distances all on E side of St.



	300	256.99	11.73	253.59
		151.3	5.0 x PC	
W cb			3.4	253.6
E ✓			4.0	253.0
		201.78	5.0 x PC = EC	
3 or E cb			4.4	252.6
N - W -			4.0	253.0
		50 W.		
N cb			4.4	252.6
S ✓		80.28	4.9	254.1
		75 W =	PC of Cb. on N	
S cb			5.2	251.8
N ✓			4.7	252.3
.25 ground Curve #1	} sketch		4.4	252.6
.50 ✓ - #1			3.7	253.3
.75 ✓ ✓ #1			3.0	254.0
PC. of Curve #2			5.3	251.7
.5 ground ✓ #1			6.8	250.2
EC. of ✓ #2			8.3	248.7



Curb Levels South Side of Thorn St  
East of 32nd St.

Index of  
cist

Nov. 30-44  
S. 5007  
Bl. W  
Osborne  
Hazard

26

B.M.	1.78	316.58	314.80	SW CP Thorn St
	3.54	309.92	10.20	308.88
B.M.			2.70	307.22
		FL 32nd St.		SE TO P.F.H. Thorn St 307.26
Top Curb		5.12		304.80
Gutter		5.59		304.33
		40' E of FL 32nd		
Top Curb		6.30		303.62
Go		6.69		303.23
		81' E of FL 32nd St.		2 20' Curb Inlet
Top Curb		6.88		303.04
Gutter or Grating		7.96		301.96
Bottom Box		14.49		295.43
Flow Line 12" Conc. Pipe to North		10.50		299.42

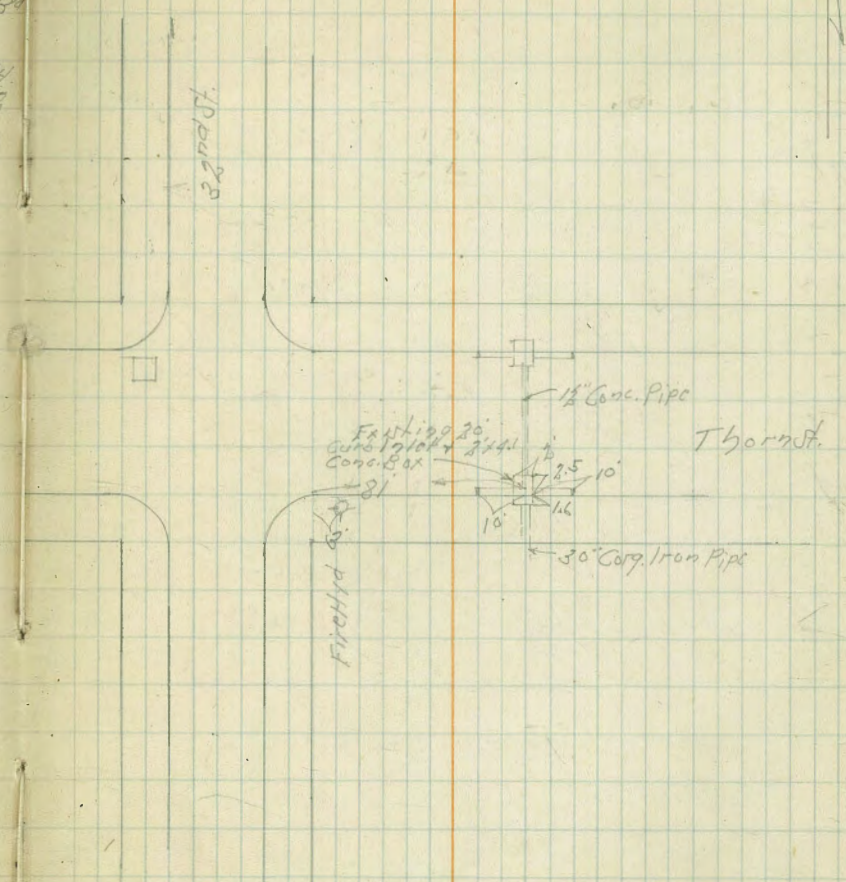
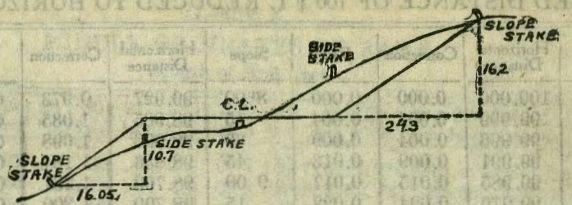








TABLE XII  
INCLINED DISTANCE OF 100 FT. REDUCED TO HORIZONTAL



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

SLOPE 1 1/2 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.

5968: 113.92: x: 63.92  
 5905  
 5136  
 38352  
 57528  
 31960  
 113.92 / 381.76 = 29.85  
 34176  
 39712  
 3120  
 52384

3.59  
 2450  
 6069

To



