902
F.B.

LEVEL BOOK

No. 410 T

EUGENE DIETZGEN CO.

Drawing Materials and Surveying Instruments

NEW YORK. CHICAGO. SAN FRANCISCO.

MICROFILMED
DEC 1 1964

TABLES FOR EXCAVATIONS AND EMBANKMENTS.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 20 FEET WIDE. SIDE SLOPES 1 TO 1.

FOR SINGLE TRACK EXCAVATION.

Copyright, 1902. No. 30340.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	0
1	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	1
2	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	2
3	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	3
4	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	4
5	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	5
6	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	6
7	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	7
8	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	8
9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	9
10	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	10
11	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	11
12	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	12
13	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	13
14	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	14
15	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	15
16	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	16
17	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	17
18	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	18
19	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	19
20	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	20
21	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	21
22	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	22
23	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	23
24	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	24
25	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	25
26	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	26
27	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	27
28	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	28
29	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	29
30	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	30
31	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	31
32	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	32
33	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	33
34	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	34
35	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	35
36	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	36
37	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	37
38	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	38
39	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	39
40	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	40

Calculated by F. E. Paradis, C. E.

9/4/13
Gregory
Shoemaker
Moore

CROSS SECTION OF MILLER ST. IN MIDDLETOWN ADD.

50' WIDE
10' WALKS

B.M.	1.88	284.78		282.90	NE. Sunset + Ingleside
T.P.	0.94	273.03	12.69	272.09	
T.P.	0.44	260.48	12.99	260.04	
T.P.	0.94	249.40	12.02	248.46	
T.P.	6.11	243.28	12.23	237.17	Hal

S.L. HORTON AVE (50' WIDE)

W			1.9	241.4	
cb			3.3	40.0	
1/4			4.2	39.1	
C			4.9	38.4	
1/4			5.8	37.5	
cb			6.7	36.6	
E			9.4	33.9	
	So. CURB				
E			10.4	32.9	
cb			7.3	42.0	
1/4			5.9	37.4	
C			5.0	38.3	
1/4			4.2	39.1	
cb			3.2	40.1	

PLOTTED

243.3

W			1.8	241.5	
	So. QUARTER				
W			1.8	41.5	
cb			3.2	40.1	
1/4			4.2	39.1	
C			5.0	38.3	
1/4			6.3	37.0	
cb			7.6	35.7	
E			11.2	32.1	
	CENTER				
E			12.4	30.9	
cb			8.0	35.3	
1/4			6.8	36.5	
C			5.2	38.1	
1/4			4.2	39.1	
cb			3.5	39.8	
W			2.0	41.3	
	No. QUARTER				
W			2.4	40.9	
cb			3.6	39.7	

243.28

1/4	4.3	239.0
C	5.7	37.6
1/4	7.2	34.1
cb	8.8	34.5
E	13.0	30.3
No. CURB		
E	13.8	29.5
cb	8.7	34.6
1/4	7.2	34.1
C	5.9	37.4
1/4	4.7	38.6
cb	3.6	39.7
W	2.4	40.9
No. LINE HORTON		
W	2.8	40.5
cb	4.4	38.9
1/4	5.7	37.6
C	6.7	36.6
1/4	8.0	35.3
cb	10.8	32.5

PLOTTED

MILLER ST

2

243.3

E	15.2	228.1
	same slope 120'	
25' No.		
	same slope for 125'	
E	23.7	19.6
cb	17.8	25.5
1/4	14.2	29.1
C	10.6	32.7
1/4	7.7	35.6
cb	6.3	37.0
W	4.3	39.0
50' No.		
W	5.6	37.7
cb	8.8	34.5
1/4	11.6	31.7
C	15.9	27.4
1/4	19.5	23.8
cb	23.0	20.3
E	30.8	12.5
	same slope for 100'	
75' No		
	same slope for 90'	
E	34.9	208.5
cb	29.1	14.2

		243.28		
1/4			24.2	219.1
C			20.6	22.7
1/4			16.2	27.1
cb			12.4	30.9
W			6.9	36.4
	100' No			
W			9.4	33.9
T.P.	0.18	230.44	13.02	230.26
cb			1.1	29.3
1/4			4.1	26.3
C			8.5	21.9
1/4			11.6	18.8
cb			16.3	14.1
E			22.3	208.1
			same slope for 100'	
	125' No			
			same slope for 100'	
E			23.8	206.6
cb			19.6	10.8
1/4			15.2	15.2
C			11.8	18.6
1/4			9.1	21.3

PLOTTED

		230.44		
cb			6.6	223.8
W			2.4	28.0
	150' No.			
W			11.7	18.7
T.P.	0.65	218.10	12.99	217.45
cb			3.8	14.3
1/4			7.1	11.0
C			10.0	208.1
1/4			12.9	205.2
cb			16.0	202.1
E			19.7	198.4
			same slope for 90'	
	166' No.			
			Level for 60'	
E			25.0	93.1
cb			21.5	96.6
1/4			18.8	99.3
C			16.0	202.1
1/4			12.3	205.8
cb			9.5	208.6
W			5.2	12.9

218.10

175' No.

W	7.2	210.9
cb	11.5	206.6
1/4	15.3	202.8
C	19.1	199.0
1/4	19.9	98.2
cb	21.5	96.6
E	21.3	96.8

200.24' ON EAST } = N.L. MIDDLETOWN ADD
197.09' ON WEST }

-30	8.8	208.3
-15	8.0	210.1
E	8.6	209.5
cb	9.3	208.8
1/4	8.4	209.7
C	8.9	209.2
1/4	8.6	209.5
cb	8.6	209.5
W	10.0	208.1
+25	0.0	18.1

MILLER ST CLOSED FROM HORTON TO COLUMBIA.

PLOTTED

T.P.	0.60	237.77	237.17	HUB. SEE PAGE 1
T.P.	0.68	226.91	11.54	226.23
T.P.	0.50	214.56	12.85 (-41.05)	214.06 = 213.98 — PIN S.E. MILLER + COLUMBIA

S. L. COLUMBIA ST. FOR NOTES ON INTERSECTION SEE XSEC OF COL. ST.

E	0.5	214.1
cb	1.4	13.2
1/4	1.7	12.9
C	2.1	12.5
1/4	2.3	12.3
cb	2.5	12.1
W	2.7	11.9

50' So.

W	9.9	203.7
cb	9.1	205.5
1/4	8.6	206.0
C	8.0	206.6
1/4	7.4	207.2
cb	7.1	207.5
E	6.8	207.8

		214.56		
		75'	50.	
E			10.2	204.4
cb			11.2	203.4
1/4			11.9	202.7
C			12.5	202.1
T.P.	0.88	202.48	12.96	201.60
1/4			1.4	201.1
cb			2.0	200.5
W			3.4	199.1
		100'	50.	
W			10.5	92.0
cb			9.1	93.4
1/4			8.0	94.5
C			7.0	95.5
1/4			6.1	96.4
cb			5.1	97.4
E			4.0	98.5
		150'	50.	
T.P.	0.66	190.12	13.02	189.46
E			5.4	84.7

PLOTTED

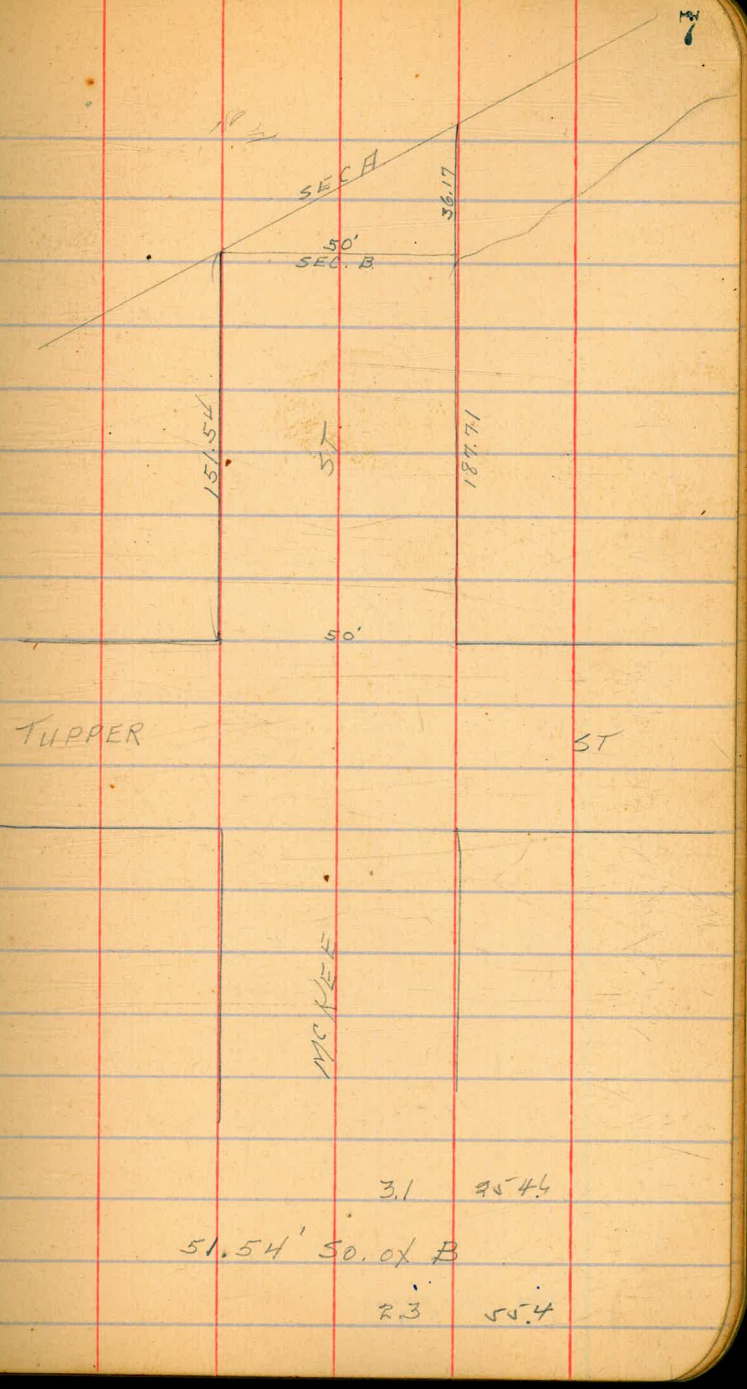
		190.12			
cb			6.3	183.8	
1/4			7.1	83.0	
C			7.8	82.3	
1/4			8.2	81.9	
cb			9.2	80.9	
W			10.2	79.9	
	184.10 ON WEST 180.4 ON EAST				= S.L. MIDDLETOWN Rd
W			17.3	72.8	
cb			16.0	74.1	
1/4			15.5	74.6	
C			15.1	75.0	
1/4			14.5	75.6	
cb			13.7	76.4	
E			12.7	77.4	
T.P.	13.07	202.89	0.30	189.82	
T.P.	12.29	215.08	0.10	202.79	
T.P.			1.02	214.06	ON PIN SE MILLER & COL

9/8/13
Eggory
Sherman
Moore

X section of
McKEE ST 50' WIDE
FROM CATHOLIC CEM.
TO COLUMBIA ST.

B.M	8.09	277.27		269.18	N.W cor CATH. CEM
T.P.	2.25	278.73	0.79	276.48	
T.P.	0.30	266.84	12.19	266.54	
T.P.	2.23	257.74	11.33	255.51	
		SEC A.			
W			3.1	254.6	
cb			4.9	52.8	
1/4			6.1	51.6	
C			7.4	50.3	
1/4			8.4	49.3	
cb			8.9	48.8	
E			8.7	49.0	
		SEC B			
-20			17.6	40.1	
E			15.3	42.4	
cb			9.7	48.0	
1/4			8.3	49.4	
C			8.3	49.4	
1/4			8.3	49.4	
cb			5.9	51.8	

PLOTTED



257.74

cb	7.8	249.9	
1/4	7.6	50.1	
C	7.7	50.0	
1/4	11.3	46.4	
cb	14.1	43.6	
E	18.3	39.4	
101.54' So. of B			
E	16.8	40.9	
cb	13.1	44.6	
1/4	10.3	47.4	
C	6.2	51.5	
1/4	6.3	51.4	
cb	5.0	52.7	
W	1.5	56.2	
151.54' So. of SEC. B = N.L.			50' WIDE TUPPER ST
W	0.4	57.3	
cb	4.1	53.6	
1/4	4.0	53.7	
C	4.1	53.6	
1/4	6.9	50.8	

PLOTTED

257.7

cb	9.8	247.9
E	13.9	43.8
No. CURB		
E	14.1	43.6
cb	10.7	47.0
1/5	6.9	50.8
C	4.3	53.4
1/4	3.9	53.8
cb	3.8	53.9
W	0.6	57.1
No. QUARTER		
W	3.8	53.9
cb	3.7	54.0
1/4	3.8	53.9
C	6.2	51.5
1/4	8.3	49.4
cb	10.7	47.0
E	14.2	43.5
CENTER		
E	15.8	42.9

257.74

cb	11.4	246.3	
1/4	8.7	49.0	
C	7.0	50.7	
1/4	4.7	53.0	
cb	3.6	54.1	
W	3.4	54.3	
So. QUARTER			
W	3.2	54.5	
cb	4.5	53.2	
1/4	6.6	51.1	
C	8.5	49.2	
1/4	10.4	47.3	
cb	12.0	45.7	
E	15.4	42.3	
SO CURB			
E	16.5	41.2	
cb	13.6	44.1	
1/4	11.3	46.4	
C	9.6	48.1	
1/4	7.9	49.8	

PLOTTED

McKEE ST

9

257.7

cb			6.3	251.4
W			4.6	53.1
So. LINE TUPPER ST				
W			7.2	50.5
cb			8.9	48.8
1/4			10.5	47.2
C			11.8	45.9
T.P.	0.25	245.36	12.63	245.11
1/4			1.5	43.9
cb			3.3	42.1
E			5.9	39.5
50' So.				
E			15.2	30.2
cb			13.9	31.5
1/4			13.2	32.2
C			12.4	33.0
1/4			11.6	33.8
cb			11.2	34.2
W			10.4	35.0
T.P.	0.51	233.05	12.82	232.54

		233.05		
T.P.	0.05	220.13	12.97	220.08
100' So.				
W			1.4	218.7
cb			1.9	18.2
1/4			2.2	17.9
C			2.5	17.6
1/4			3.0	17.1
cb			3.6	16.5
E			4.2	15.9
125' So.				
E			11.0	209.1
cb			11.4	208.7
1/4			12.1	208.0
C			12.2	207.9
1/4			11.6	208.5
cb			10.8	209.3
W			9.3	10.8
T.P.	0.40	207.60	12.93	207.20

PLOTTED

			207.6	
150' So.				
W			6.5	201.1
cb			6.7	200.9
1/4			7.9	199.7
C			9.2	98.4
1/4			8.6	99.0
cb			8.5	99.1
E			7.2	200.4
T.P.	0.18	194.91	12.87	194.73
175' So.				
E			3.7	91.2
cb			7.3	87.6
1/4			9.3	85.6
C			8.8	86.1
1/4			6.6	88.3
cb			6.8	89.1
W			8.8	86.1
200' So = N.L. BOONE ST				FOR INTER. SEE XSECTION OF BOONE
W			21.7	73.2
cb			19.5	75.4

		194.91		
1/4			20.0	174.9
C			21.2	73.7
1/4			21.3	73.6
cb			18.0	76.9
E			13.8	81.1
	SO. LINE BOONE ST			
E			27.6	67.3
cb			22.8	72.1
1/4			19.2	75.7
C			16.7	78.2
1/4			14.0	80.9
cb			11.0	83.9
W			5.9	89.0
T.P.	10.50	205.26	0.15	194.76
		25' SO.		
W			8.3	197.0
cb			15.9	89.4
1/4			19.3	86.0
C			22.1	83.2
1/4	PLOTTED		25.1	80.2

			205.3	
cb			29.2	176.1
E			34.4	170.9
		50' SO.		
E			23.3	82.0
cb			20.8	84.5
1/4			18.8	87.5
C			16.6	88.7
1/4			14.2	91.1
cb			11.1	94.2
W			4.8	200.5
		75' SO.		
W			3.6	201.7
cb			4.4	200.9
1/4			6.0	199.3
C			8.4	96.9
1/4			10.6	94.7
cb			12.9	90.4
E			16.2	89.1
		100' SO.		
E			13.4	91.9

205.26

cb	8.0	197.3	
1/4	6.2	99.1	
C	5.7	99.6	
1/4	5.1	200.2	
cb	4.8	200.5	
+7	4.6	200.7	
W	1.5	203.8	
150' So.			
W	1.9	203.4	
+6	6.8	198.5	
cb	6.6	98.7	
1/4	6.8	98.5	
C	7.2	98.1	
1/4	7.7	97.6	
cb	8.5	96.8	
E	14.0	91.3	
200' So. = N.L. NEALE ST.			FOR INTER, SEE NEALE ST
E	16.8	88.5	
cb	14.4	90.9	
1/4	12.4	92.9	

PLOTTED

205.3

C		9.7	195.6	
1/4		9.6	95.7	
cb		9.5	95.8	8.15 ON T.P.
W		5.0	200.2	
S.L. NEALE ST.				
W		8.8	96.5	
cb		13.3	92.0	
T.P.	0.23	193.40	12.09	193.17
1/4		1.5	91.9	
C		1.6	91.8	
1/4		2.8	90.6	
cb		4.9	88.5	
E		8.1	85.3	
50' So.				
E		12.6	80.8	
cb		10.1	83.3	
1/4		8.7	84.7	
C		7.1	86.3	
1/4		6.5	86.9	
cb		6.3	87.1	

		193.40		
W			3.0	190.4
		100' So		
W			10.7	82.7
T.P.	0.15	181.18	12.37	181.03
+6			1.7	79.5
cb			1.5	79.7
1/4			1.4	79.8
c			1.6	79.6
1/4			2.9	78.3
cb			4.0	77.2
E			6.1	75.1
		150' So		
E			20.7	60.5
cb			14.7	66.5
1/4			10.2	71.0
c			7.5	73.7
1/4			7.4	73.8
cb			7.2	74.0
+5			7.5	73.7
W			3.2	78.0

PLOTTED

		181.18		
200' So. - N.L. TORRENCE ST 50' WIDE				
W			9.2	172.0
T.P.	1.61	170.16	12.63	168.55
+6			2.8	67.4
cb			2.4	67.8
1/4			2.7	67.5
c			2.8	67.4
1/4			5.0	65.2
cb			7.2	63.0
E			11.4	58.8
		No. CURB		
E			14.4	55.8
cb			9.9	60.3
1/4			6.9	63.3
c			4.3	65.9
1/4			4.2	66.0
cb			3.9	66.3
W			+1.0	71.2
		No. QUARTER		
W			0.5	69.7

170.16

cb			4.9	145.3
1/4			5.1	45.1
C			5.3	44.9
1/4			9.7	40.5
cb			12.4	37.8
E			16.1	34.1
	CENTER			
E			18.6	31.6
cb			13.2	37.0
1/4			9.4	40.8
C			5.9	44.3
1/4			6.0	44.2
cb			6.1	44.1
W			1.5	48.7
	So. QUARTER			
W			2.6	47.6
cb			7.3	42.9
1/4			7.2	43.0
C			7.1	43.1
1/4			10.8	39.4

PLOTTED

170.16

cb			13.0	157.2
E			19.2	51.0
	So. CURB			
E			20.3	49.9
cb			14.1	56.1
1/4			11.3	58.9
C			8.1	62.1
1/4			8.2	62.0
cb			8.3	61.9
W			3.8	66.4
	So. LINE TORRENCE ST			
W			5.5	64.7
cb			10.1	60.1
1/4			9.9	60.3
C			10.0	60.2
T.P.	0.15	157.34	12.97	157.19
1/4			1.1	56.2
cb			3.3	54.0
E			8.3	49.0

		157.34			
		50' So			
E			16.2	141.1	
cb			11.1	46.3	
1/4			8.6	48.7	
C			6.6	50.7	
1/4			5.1	52.2	
cb			5.1	52.2	
W			5.0	52.3	
+5			8.0	49.3	
+20			6.0	51.3	
		75' So			
-15			5.6	51.7	
-5			11.1	46.2	
W			8.2	49.1	
cb			8.5	48.8	
+5			8.8	48.5	
1/4			10.7	46.6	
C			17.6	39.7	
1/4			21.3	36.0	
cb	PLOTTED		23.7	33.6	

		157.3			
E			23.0	134.3	
+15			27.6	29.7	
	100' So				
-25			36.0	21.3	
E			32.2	25.1	
cb			27.5	29.8	
1/4			24.0	33.3	
C			19.8	37.5	
1/4			13.7	43.6	
~~cb~~ 3			11.2	46.1	
cb			11.1	46.3	
W			10.6	46.7	
+5			10.6	46.7	
+10			7.4	49.9	
	125' So				
-10			7.3	50.0	
W			12.4	44.9	
cb			12.9	44.4	
T.P.	114	145.57	12.91	144.43	
1/4			1.7	43.9	

145.57

C	6.6	139.0
1/4	8.6	37.0
cb	10.3	35.3
E	14.1	31.5

150' So.

E	14.4	31.2
cb	11.6	34.0
1/4	9.6	36.0
C	7.1	38.5
1/4	3.5	42.1
cb	3.1	42.5
+5	3.2	42.4
W	0.9	44.7

200' So. = N.L. PUTERBAUGH ST (50' WIDE)

W	0.7	44.9
cb	4.7	40.9
1/4	4.9	40.7
C	6.7	38.9
1/4	10.1	35.5
cb	11.8	33.8

PLOTTED

145.57

E	16.0	129.6

No. CURB.

E	15.9	29.7
cb	11.9	33.7
1/4	9.3	36.3
C	6.0	39.6
1/4	5.0	40.6
cb	4.7	40.9
W	1.2	44.4

No. QUARTER.

W	1.1	44.5
cb	4.9	40.7
1/4	5.0	40.6
C	6.3	39.3
1/4	9.8	35.8
cb	12.4	33.2
E	15.8	29.8

CENTER

E	15.6	30.0
cb	12.2	33.4

	145.57	
1/4	9.7	135.9
C	6.2	39.4
1/4	5.0	40.6
cb	5.1	40.5
W	1.2	44.4
So. QUARTER		
W	0.9	44.7
cb	5.1	40.5
1/4	5.0	40.6
C	6.0	39.6
1/4	9.7	35.9
cb	12.3	33.3
E	16.0	29.6
So. CURB		
E	15.6	30.0
cb	12.5	33.1
1/4	10.4	35.2
C	6.7	38.9
1/4	4.9	40.7
cb	5.0	40.6

PLOTTED

	145.6	
W.	0.8	144.8
S. L. PUTERBAUGH ST		
W	0.0	145.6
cb	4.7	40.9
1/4	4.7	40.9
C	5.8	39.8
1/4	9.5	36.1
cb	11.8	33.8
E	12.2	33.4
50' So.		
E	13.4	33.2
cb	10.4	35.2
1/4	8.3	36.3
C	4.9	40.7
1/4	4.7	40.9
+5	4.7	40.9
cb	3.4	42.2
W	+0.5	44.1
100' So.		
W	1.5	44.1

145.57

cb	5.6	140.0
1/4	5.6	140.0
C	6.1	39.5
1/4	10.0	35.6
cb	11.9	33.7
E	14.9	30.7

150' So.

E	16.3	29.3
cb	13.3	32.3
1/4	11.6	34.0
C	7.0	38.6
1/4	6.4	39.2
cb	6.3	39.3
W	2.5	43.1

200' So = N.L. HORTON AVE (50' WIDE)

W	3.9	41.7
cb	6.6	39.0
1/4	7.0	38.6
C	7.5	38.1
1/4	10.4	35.2

PLOTTED

145.6

cb	13.2	32.4
E	17.0	28.6

No. CURB

E	16.7	28.9
cb	13.2	32.4
1/4	10.9	34.7
C	8.2	37.4
1/4	7.4	38.2
cb	6.8	38.8
W	3.7	41.9

No. QUARTER

W	4.1	41.5
cb	7.1	38.5
1/4	7.8	37.8
C	8.5	37.1
1/4	11.0	34.6
cb	13.5	32.1
E	16.5	29.1

CENTER

E	16.6	29.0

		145.57		
cb			13.1	132.5
1/4			11.5	34.1
C			8.8	34.8
1/4			8.2	37.4
cb			7.7	37.9
W			4.5	41.1
T.P.	0.45	139.78	6.30	139.27
		SO. QUARTER		
W			+1.3	141.0
cb			2.5	37.7
1/4			2.8	34.9
C			3.2	34.5
1/4			5.2	34.5
cb			7.3	32.4
E			10.8	28.9
		SO. CURB		
E			11.3	28.4
cb			7.5	32.2
1/4			5.7	34.0
C			3.5	36.2

PLOTTED

		139.7		
1/4			3.3	136.4
cb			2.8	36.9
W			+0.5	140.2
		SO. LINE HORTON AVE		
W			0.0	39.7
cb			3.7	36.0
1/4			3.9	35.8
C			4.1	35.6
1/4			5.9	33.8
cb			8.0	31.7
E			11.5	28.2
		50' SO.		
E			15.5	24.2
cb			12.1	27.6
1/4			9.3	30.4
C			6.5	33.2
1/4			6.2	33.5
cb			4.9	34.8
W			0.5	39.2

139.7R

100' So.

W	0.7	139.0
cb	5.5	134.2
1/4	7.1	132.6
C	7.5	132.2
1/4	10.6	129.1
cb	13.3	126.4
E	15.9	123.8

150' So.

E	15.6	124.1
cb	10.6	29.1
1/4	8.8	30.9
C	7.0	32.7
1/4	7.0	32.7
cb	4.8	34.9
W	0.6	39.1

200' So. = N.L. UNION ST.

W	1.7	38.0
cb	4.8	34.9
1/4	7.0	32.7

PLOTTED

139.7

C	6.9	132.8
1/4	7.5	32.2
cb	10.5	29.2
E	13.7	25.0

No. CURB

E	13.8	25.9
cb	10.9	28.8
1/4	7.8	31.9
C	6.7	33.0
1/4	6.7	33.0
cb	4.7	35.0
W	2.2	37.5

No. QUARTER.

W	1.6	38.1
cb	4.6	35.1
1/4	6.3	33.4
C	6.5	33.2
1/4	7.3	32.4
cb	11.0	28.7
E	13.8	25.9

139.72

CENTER

E	13.6	126.1
cb	10.0	29.7
1/4	6.9	32.8
C	6.3	33.4
1/4	5.8	33.9
cb	3.5	36.2
W	0.8	38.9

So. QUARTER

W	1.0	38.7
cb	4.4	35.3
1/4	6.0	33.7
C	6.1	33.6
1/4	7.2	32.5
cb	10.6	29.1
E	13.4	26.3

So. CURB

E	13.0	26.7
cb	9.8	29.9
1/4	6.4	33.3

PLOTTED

139.7

C			6.0	133.7
1/4			5.7	34.0
cb			4.1	35.6
W			0.8	38.9

S. L. UNION ST

W			0.4	39.3
cb			4.0	35.7
1/4			6.0	33.7
C			5.8	33.9
1/4			6.2	33.5
cb			9.4	30.3
E			12.2	27.5

50' So.

E			9.7	30.0
cb			7.0	32.7
1/4			3.4	36.3
C			3.4	36.3
1/4			2.5	37.2
T.P.	6.5.v	145.17	1.07	138.65
cb			5.8	39.4

		145.17		
W			2.2	143.0
	100' 50.			
W			+0.1	145.3
cb			2.9	42.3
1/4			5.4	39.8
C			6.8	38.4
1/4			6.8	38.4
cb			9.9	35.3
E			12.9	32.3
	150' 50			
E			12.1	33.1
cb			9.6	35.6
1/4			7.0	38.2
C			6.8	38.4
1/4			5.0	40.2
cb			2.9	42.3
W			1.9	43.3
	200' 50 = N.L. COLUMBIA ST.			
W			7.7	37.5
cb			7.8	37.4

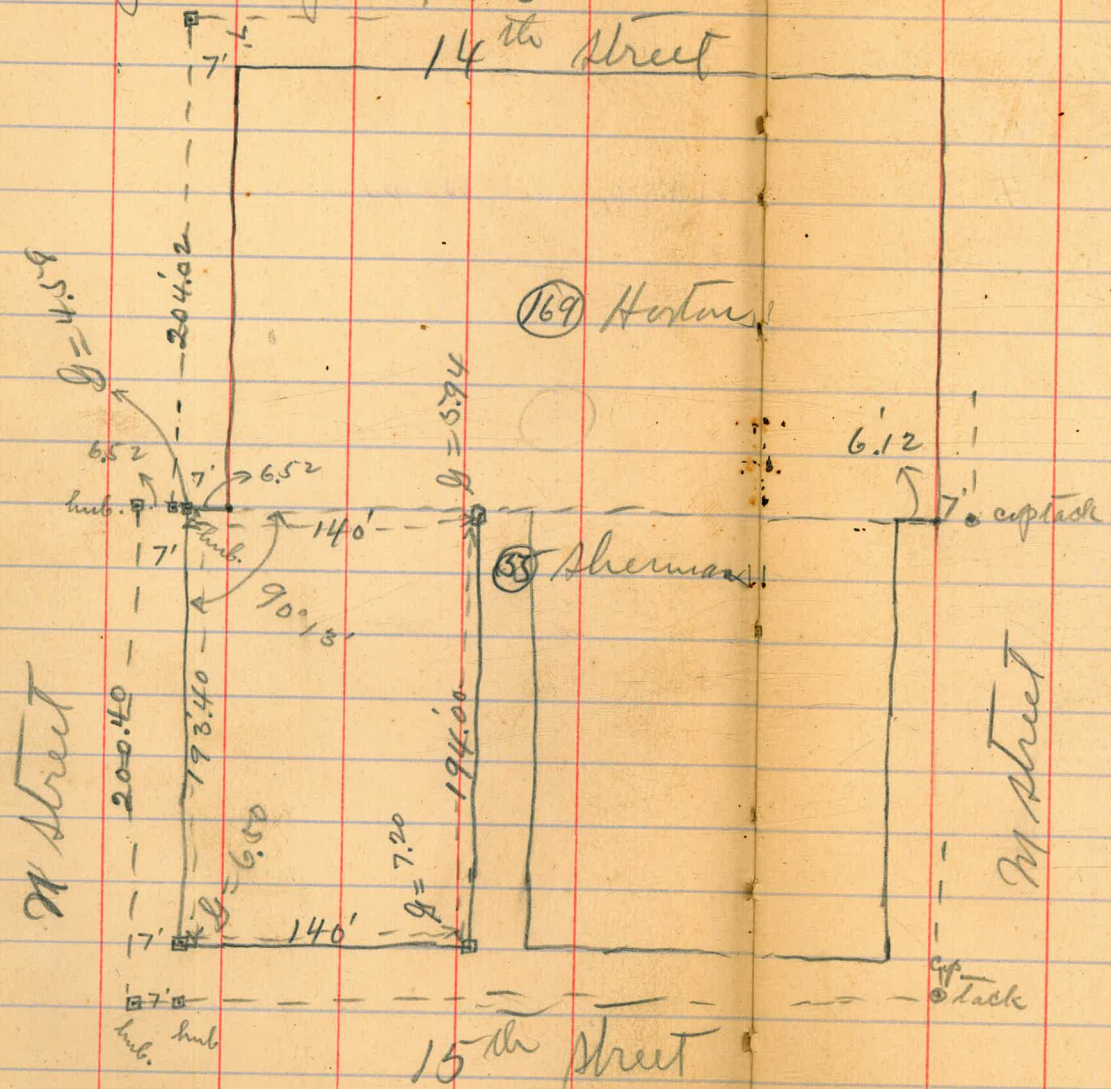
PLOTTED

			145.2		
1/4			8.6	136.6	
C			10.0	35.2	
1/4			9.8	35.4	
cb			10.4	34.8	
E			13.2	32.0	
T.P.	1.20	134.08	12.29	132.88	
T.P.			6.07	128.01	CHILD'S T.P. ~~SHOULD BE~~ 128.02

PLOTTED

Survey of lots 9-16 Blk. 55'
Sherman's addition
Put in Sept. 25, 1913

Sept. 24+25/13 Schild Otten Bunker



levels.

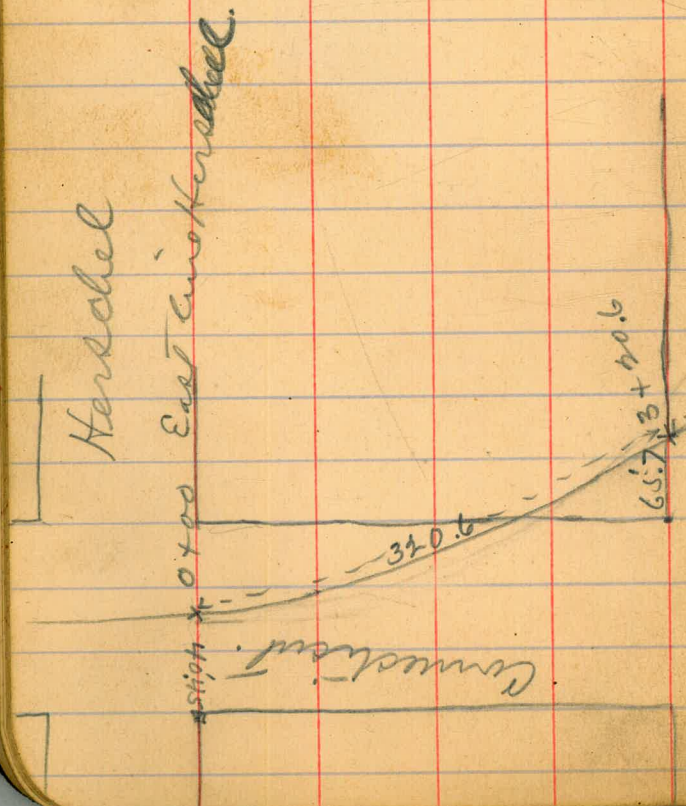
Sept. 24+25/13 { Childs
Otten
Brunker

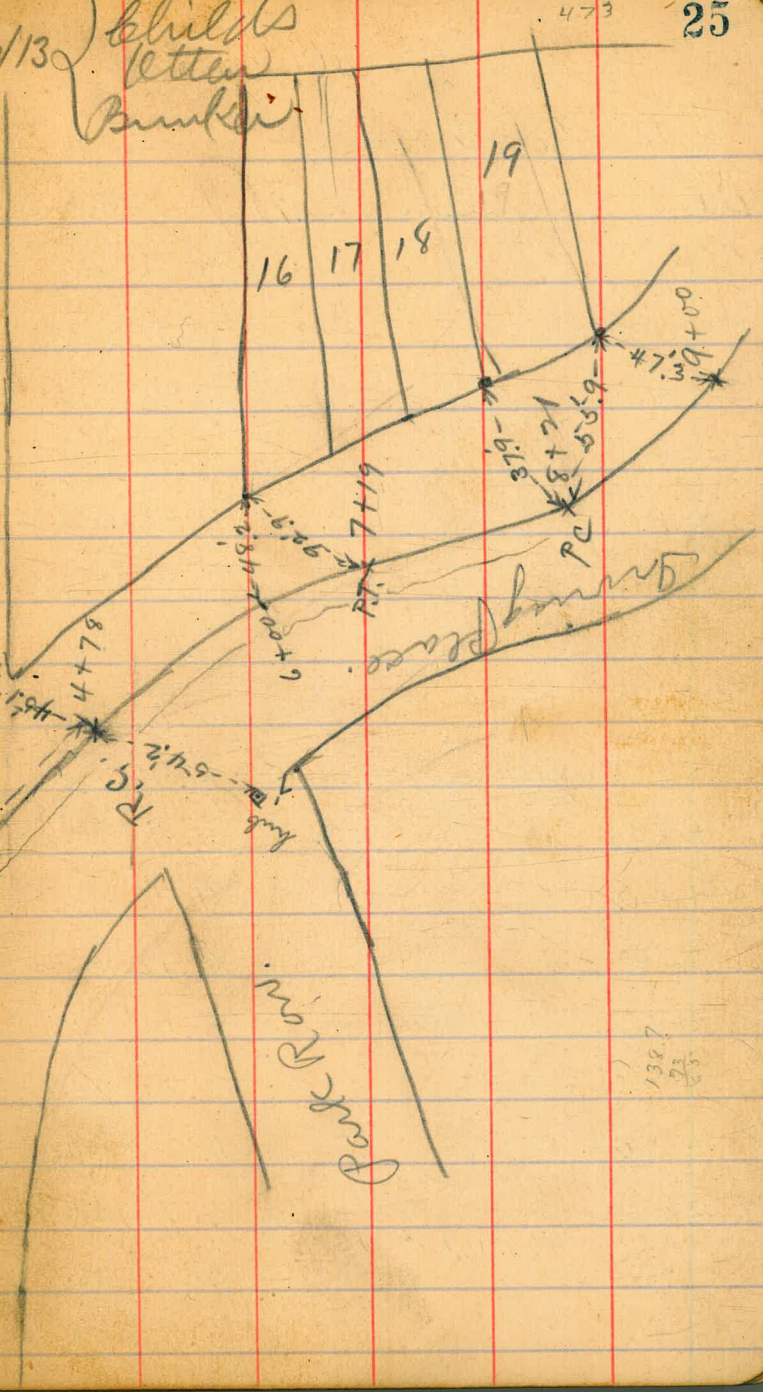
24

	1.55	H.I. 10.01		8.46	B.M. NE. Cor. 15th & M.
NE. cor lot.		7.2	Rod 2.81		7.2 Grade of
N.W. cor. "		5.94	4.07		5.94 "
S E " "		6.50	3.51		6.50 "
	1.56	H.I. 8.06			
S.W. cor. "		4.58	3.48		4.58

Survey of Los angeles & S.D. Beach R.Y. in Lydell
all measurements are to Center of North Rail.

Sept. 26/13 } Childs
Letter
Bunker





Levels on North rail. from East line Herschel

To sta. 9+00.

H.I. 130.74 Sept. 26/13 { Childs Allen Bunker

TP.		3.60	126.71		123.11	BM			
Sta.				Rod		7+19	P.T.	5.1	125.6
0+00				12.8	113.9	+50		5.0	125.7
+50				11.8	114.9	8+00		4.8	125.9
1+00				10.7	116.0	+21	P.C.	4.8	125.9
+50				9.7	117.0	+50		4.5	126.2
2+00				8.8	117.9	9+00		5.1	125.6
+50				7.8	118.9				
3+00				6.7	120.0				
+206	West line Sections			6.3	120.4				
+50				5.7	121.0				
4+00				4.7	122.0				
+50				3.7	123.0				
+78	Reverse curve.			3.1	123.6				
5+00				2.7	124.0				
+50				1.8	124.9				
6+00			H.I. 130.74	1.57	125.14				
+50		5.60		5.3	125.4				
7+00				5.1	125.6				

CROSS SECTION OF HORTON AVE (50' wide)
FROM NEARNEY ST. TO WITHERBY ST

	3.55	240.72		237.17	ON HUB see page 1
		W.L. NEARNEY ST.			
N			7.3	33.4	
cb			8.7	32.0	
1/4			9.5	31.2	
C			10.3	30.4	
1/4			11.1	29.6	
cb			12.8	27.9	
S			15.3	25.4	
T.P.	1.44	229.33	12.83	227.89	
		50' W.			
→ N			5.3	24.0	
cb			7.2	22.1	
1/4			8.9	20.4	
C			11.6	17.7	
T.P.	0.82	217.44	12.71	216.62	
1/4			4.3	13.1	
cb			7.2	10.2	
S			10.3	207.1	

PLOTTED

T.P.	1.51	206.10	12.85	204.59	
	1.36	194.60	12.86	193.24	
		100' WEST			
C			11.5	83.1	
cb			8.2	86.4	
1/4			6.1	88.5	
C			5.0	89.6	
1/4			5.0	89.6	
cb			4.3	90.3	
N			0.8	93.8	
T.P.	0.31	182.16	12.75	181.85	
		140' WEST			
N			9.0	73.7	
cb			11.0	71.7	
1/4			12.7	69.5	
C			14.2	68.0	
T.P.	0.64	170.69	12.11	170.05	
1/4			6.2	64.5	
cb			7.8	62.9	
S			11.4	59.3	

		170.69		
		175' W.		
S			1.9	48.8
cb			2.8	47.9
1/4			3.9	46.8
C			3.9	46.8
1/4			4.7	46.0
cb			5.6	45.1
N			5.2	45.5
T.P.	12.86	182.75	0.20	170.49
		200' W		
N			6.4	74.4
cb			4.8	78.0
1/4			4.6	78.2
C			3.9	78.9
1/4			2.1	80.7
cb			0.9	81.9
S			0.5	82.3
T.P.	12.02	194.59	0.18	182.57
T.P.	12.29	206.88	0.0	194.59

PLOTTED

		206.88		
		250' W		
S			0.0	206.9
cb			0.7	206.3
1/4			1.7	205.2
C			2.8	204.1
1/4			3.6	203.3
cb			4.1	202.8
N			4.6	202.3
T.P.	12.15	218.71	0.32	206.56
T.P.	12.49	230.89	0.31	218.40
T.P.	12.43	242.73	0.59	230.30
		300' W = EL. MILLER ST.		FOR INTERSECTION SEE PAGE 1
N			14.7	228.0
cb			13.1	229.6
1/4			12.5	230.2
C			11.9	230.8
1/4			10.7	232.0
cb			9.9	232.8
S			9.1	233.6

242.73

W. L. MILLER ST

S			1.4	241.3
cb			1.3	41.4
1/4			1.3	41.4
C			1.4	41.3
1/4			1.8	40.9
cb			1.8	40.9
N			2.2	40.5
T.P.	7.46	250.17	0.02	242.71

50' W.

N			4.8	45.4
cb			4.9	45.3
1/4			5.0	45.2
C			4.8	45.4
1/4			4.6	45.6
cb			5.1	45.1
S			5.4	44.6

PLOTTED

250.17

100' W

S			4.8	245.4
cb			4.4	45.8
1/4			4.0	46.8
C			3.6	47.6
1/4			3.4	46.8
cb			3.1	47.1
N			2.6	47.6

150' W

N			2.7	47.5
cb			3.2	47.0
1/4			3.5	46.7
C			4.0	46.2
1/4			4.4	45.8
cb			4.6	45.6
S			5.1	45.1

250.17

200' W

S			6.7	243.5
cb			6.6	43.6
1/4			6.5	43.7
C			6.1	44.1
1/4			5.8	44.4
cb			5.5	44.7
N			5.0	45.2

250' W

N			7.6	42.6
cb			8.4	41.8
1/4			8.9	41.3
C			9.3	40.9
1/4			9.9	40.3
cb			10.7	39.5
S			11.9	38.3
T.P.	1.49	239.88	11.75	238.39

PLOTTED

239.88

300' W = EL. BANDINI

FOR INTERSECTION SEE BANDINI ST

S			5.6	234.3
cb			4.2	35.7
1/4			3.4	36.5
C			2.6	37.3
1/4			1.9	38.0
cb			1.2	38.7
N			+0.3	240.2

W.L. BANDINI ST

N			4.2	35.7
cb			6.3	33.6
1/4			7.9	32.0
C			12.0	27.9
1/4			17.6	22.3
cb			20.8	19.1
S			23.0	16.9

239.88

35' WEST

S		12.6	227.3
cb		10.9	29.0
1/4		9.6	30.3
C		8.5	31.4
1/4		7.2	32.7
cb		6.0	33.9
N		4.1	35.8

75' W.

N		2.8	37.1
cb		4.5	35.4
1/4		5.5	34.4
C		7.1	32.8
1/4		12.2	27.7
cb		16.3	23.6
S		22.3	17.6
+10		15.6	24.3

PLOTTED

239.88

105' WEST

S			4.2	235.7
cb			5.2	34.7
1/4			9.5	30.4
+3			12.8	27.1
C			9.6	30.3
1/4			5.6	34.3
cb			1.9	38.0
T.P.	10.60	250.07	0.41	239.47
N			10.0	240.1

150' W

N		7.4	42.7
cb		7.9	42.2
1/4		8.3	41.8
C		8.5	41.6
1/4		8.4	41.7
cb		8.2	41.9
S		7.5	42.6

250.07

200' W.

S	5.3	244.8
cb	5.3	44.8
1/4	5.5	44.6
C	5.5	44.6
1/4	5.7	44.4
cb	5.9	44.2
N	5.7	44.4

250' W.

N	3.4	46.4
cb	3.6	46.2
1/4	4.4	45.7
C	4.7	45.4
1/4	4.8	45.3
cb	5.0	45.4
S	5.3	44.8

PLOTTED

250.07

300' W = EL. COUTS ST. (FOR INTERSECTION SEE COUTS ST)

S	9.1	241.0
cb	7.5	42.6
1/4	6.8	43.3
C	6.1	44.0
1/4	5.6	44.5
cb	5.3	44.8
N	4.4	45.7

W.L. COUTS ST

N	5.3	44.8
cb	6.6	43.5
1/4	7.4	42.7
C	8.6	41.5
1/4	9.7	40.4
cb	10.5	39.6
S	11.6	38.5

250.07

50' W

S		9.0	241.1
cb		8.4	41.7
1/4		8.0	42.1
C		7.1	43.0
1/4		6.8	43.3
cb		6.6	43.5
N		5.9	44.2

100' W

N		3.7	46.4
cb		3.7	46.4
1/4		3.6	46.5
C		3.7	46.4
1/4		3.9	46.2
cb		4.3	45.8
S		4.8	45.3

PLOTTED

250.07

150' W.

S		5.5	244.6	
cb		4.3	45.8	
1/4		4.1	46.0	
C		3.4	46.7	
1/4		3.2	46.9	
cb		2.7	47.4	
N		2.4	47.7	
W = E. L. WITHERBY ST.				
N		5.8	44.3	
cb		6.4	43.7	
1/4		7.1	43.0	
C		8.2	41.9	
1/4		8.8	41.3	
cb		9.2	40.9	
S		9.6	40.5	
T.P.	7.09	256.31	0.85	249.22
T.P.			0.13	256.18

DONNAN'S T.P. = 256.16

PLOTTED

B.M	4.39	222.28		217.89	SW. 30th + B BP.
T.P.	1.39	213.30	10.37	211.91	

CROSS SECTION BRANT ST (50' WIDE)
FROM WASHINGTON ST
TO 450' NORTH.

B.M.	0.62	265.08		264.46	N.W. Dove & Wash.

No. LINE WASHINGTON.

W.	6.2	259.9
cb	5.6	59.5
1/4	5.3	59.8
C	5.1	60.0
1/4	4.9	60.2
cb	4.9	60.2
E	4.3	60.8

25' No.

-10	6.9	58.2
E	12.9	52.2
cb	15.6	49.5
1/4	18.7	46.4
C	19.2	45.9
1/4	19.7	45.4
cb	20.8	44.3
W	21.9	43.2

PLOTTED

		245.08

50' No.

W	15.4	249.7
cb	13.3	51.8
1/4	12.9	52.2
C	14.2	50.9
1/4	15.6	49.5
cb	16.9	48.2
E	12.3	52.8
+10	7.2	57.9

75' No.

E	9.2	55.9
cb	7.3	57.8
1/4	5.8	59.3
C	6.7	58.4
1/4	8.2	56.9
cb	10.2	54.9
W.	13.8	51.3

		265.08		
		100' No.		
W			27.4	237.7
cb			22.7	42.4
1/4			18.4	46.7
C			16.2	48.9
1/4			12.2	52.9
cb			8.3	56.8
E			1.8	63.3
		125' No.		
E			5.6	59.5
cb			9.2	55.9
1/4			10.5	54.6
C			12.0	53.1
1/4			15.2	49.9
cb			15.9	49.2
W			17.0	48.1
		150' No.		
W			0.7	64.4
T.P.	13.00	278.07	0.01	265.07
cb			14.6	63.5
1/4			12.6	65.5

PLOTTED

		278.07		
C			9.9	268.2
1/4			8.6	69.5
cb			7.2	70.9
E			6.2	71.9
		175' No.		
E			3.8	74.3
cb			3.9	74.2
1/4			5.2	72.9
C			6.2	71.9
1/4			7.1	71.0
cb			8.0	70.1
W			10.3	67.9
		225' No.		
W			5.9	72.2
cb			5.8	72.3
1/4			5.2	72.9
C			4.7	73.4
1/4			4.6	73.5
cb			4.2	73.9
E			2.8	75.3

278.07

275' No.

E	1.8	276.3
cb	2.2	75.9
1/4	2.6	75.5
c	3.0	75.1
1/4	3.2	74.9
cb	3.7	74.4
W	4.6	73.5

325' No.

W	3.8	74.3
cb	2.7	75.4
1/4	2.4	75.7
c	2.0	76.1
1/4	1.7	76.4
cb	1.0	77.1
E	0.4	77.7

375' No.

E	+0.5	278.6
cb	0.1	78.0
1/4	0.9	77.2

PLOTTED

278.07

c	1.8	276.3
1/4	2.1	76.0
cb	3.0	75.1
W	3.6	74.5

400' No

W	4.1	74.0
cb	3.4	74.7
1/4	3.1	75.0
c	2.5	75.6
1/4	1.9	76.2
cb	1.3	76.8
E	0.9	77.2

425' No

E	2.4	75.7
cb	3.3	74.8
1/4	4.4	73.7
c	5.2	72.9
1/4	6.1	72.0
cb	6.8	71.3
W	8.3	69.8

278.07

450' No

W.	13.3	264.8
cb	11.3	66.8
1/4	10.9	67.3
C	10.3	67.8
1/4	9.2	68.9
cb	7.9	70.2
E	6.6	71.5

FOR BRANT ST FROM 450' No. OF WASHINGTON TO LEWIS SEE PAGE 49

PLOTTED

LEVELS ON RAILS AT EVERY INTERSECTION ON FIFTH ST FROM Ash to L Sts.

10/4/13 Gregory Shoemaker Micr.

ASH ST.

H ST

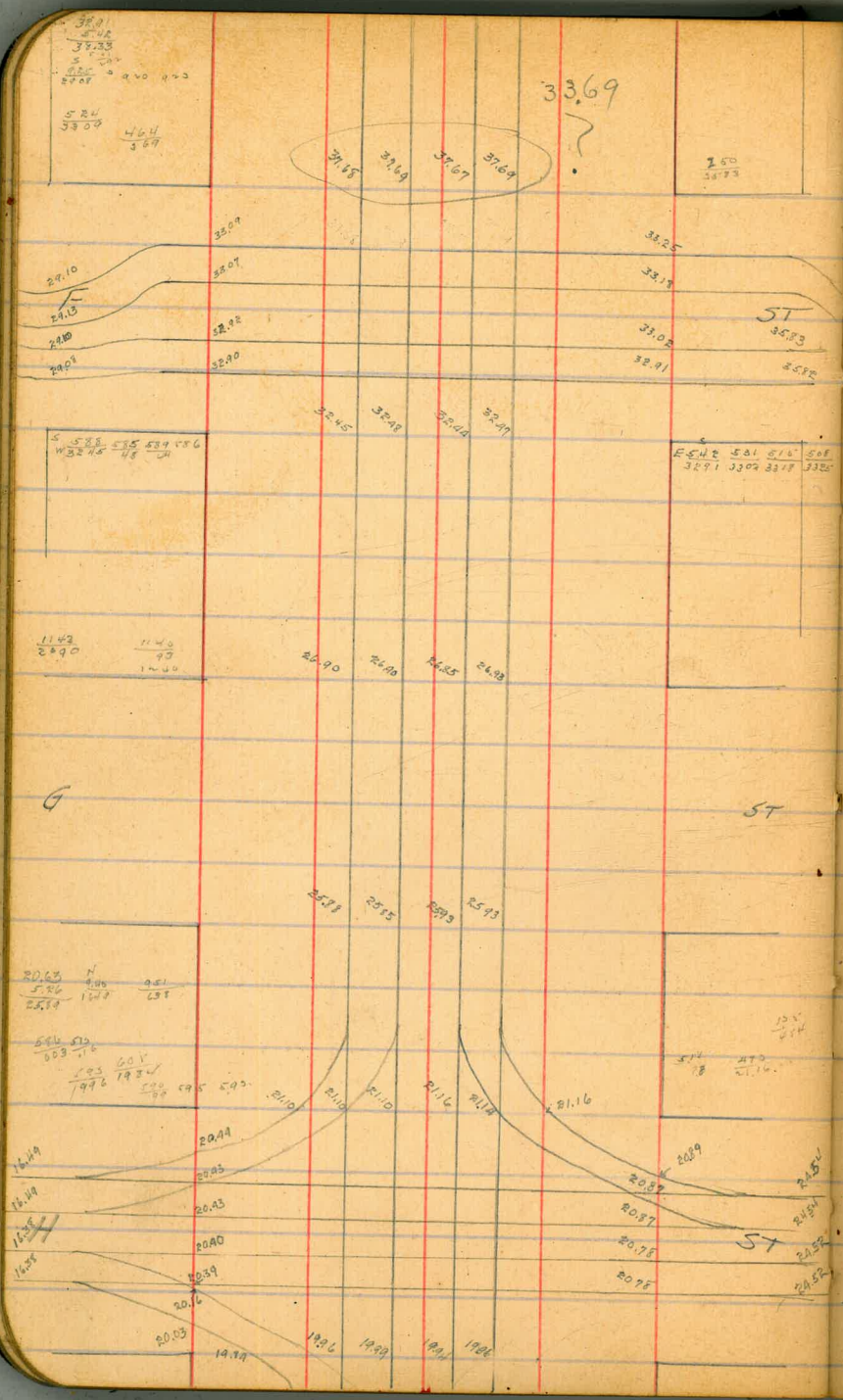
FIFTH

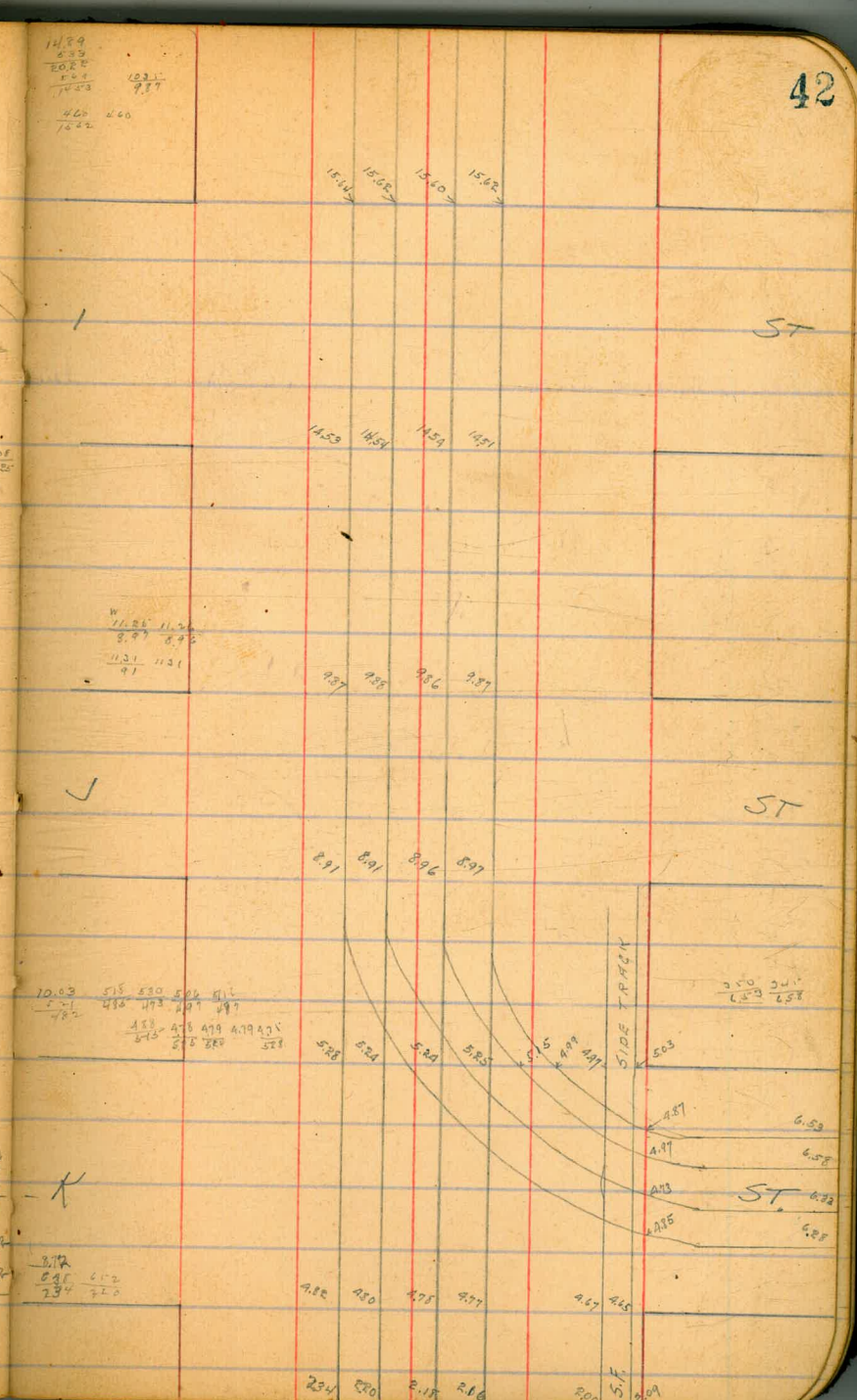
B ST.

BROWY

FIFTH

E ST.


33.69
37.65
37.69
37.67
37.69
ST
G
ST
H
ST


I
ST
J
ST
SIDE TRACK
K
ST

Xsect. B. Street from 175' west of west line 29th

	1.56	H.I. 198.91		197.35
Sta.	East line 29th			
So. line			9.8	189.1
			2.6	196.3
			2.1	196.8
C			2.0	196.9
			1.9	197.0
			1.6	197.3
no. line			1.1	197.8
	E. cb.			
no line			1.8	197.1
			2.2	196.7
			2.2	196.7
C			2.3	196.6
			2.3	196.6
cb + 8'			2.8	196.1
do. line			4.5	194.4
			8.0	190.9

East line 29th to 80' street — Oct 16/13 — Chiles after Binder

29th 80' street 14' sidewalk 13' gnarlers

B.M.	E 1/4	198.91		
So line			7.6	191.3
Prop. + 6'			4.6	194.3
cb			3.3	195.6
			5.1	193.8
C			5.1	193.8
			2.4	196.5
			2.3	196.6
no. line			2.4	196.5
	Center			
no line			2.2	196.7
			2.4	196.5
			2.5	196.4
C			7.4	191.5
			7.4	191.5
			4.2	194.7
So line			5.0	193.9

1889.91

W 1/4

solid	5.2	193.7
	4.5	194.4
	6.4	192.5
C	6.4	192.5
	4.6	194.3
	2.5	196.4
no line	2.3	196.6

W cb.

no line	2.3	196.6
	2.6	196.3
cb + 9'	3.4	195.5
1/4	7.9	191.0
C		
	9.2	189.7
1/4 + 7'	5.0	193.9
cb.	4.6	194.3
solid	5.3	193.6

1889.91

West line 29th

solid	6.4	192.5
	4.7	194.2
cb + 6'	4.4	194.5
1/4	11.6	187.3
C	11.6	187.3
	10.5	188.4
1/4 + 4'	6.4	192.5
cb.	3.3	195.6
no line	3.1	195.8

10' west

no line	11.5	187.4
	11.4	187.5
cb + 11'	8.5	190.4
1/4	13.6	185.3
C	15.5	183.4
	12.5	186.4
cb	6.0	192.9
solid	13.7	185.2

198.91

175' west 29rte

so line	2.4	196.5
	2.7	196.2
	2.4	196.5
C	2.5	196.4
	1.8	197.1
	2.5	196.4
no line	2.4	196.5

150' west.

no. line	8.9	190.0
Prop. + 10'	4.7	194.2
Cb.	9.2	189.7
	8.0	190.9
C	9.0	189.9
	8.8	190.1
1/4 + 9'	3.0	195.9
cb	2.9	196.0
so line	6.2	192.7

198.91

142' west.

so. line	9.5	189.4
	10.9	188.0
	9.3	189.6
C	11.8	187.1
	10.1	188.8
	14.6	184.3
no. line	11.9	187.0

141' west.

no. line	12.8	186.1
	15.5	183.4
	11.0	187.9
C	12.6	186.3
	10.2	188.7
	11.3	187.6
so line	15.8	183.1
	HI	
T.P.	0.30 186.33 12.88	186.03

186.33

125' west 29th.

N. line	11.8	174.5
	12.2	174.1
	9.0	177.3
C	8.8	177.5
	9.2	177.1
	8.5	177.8
So. line	8.8	177.5

25' west 29th

No. line	7.0	179.3
	7.6	178.7
	9.4	176.9
C	10.6	175.7
	11.1	175.2
	9.9	176.4
So line	10.4	175.9

Oct. 21/13 { Child, Otten, Bunker

H.I.

SB.	1.12	174.97	12.48	173.85

45 west

So. line	9.9	165.1
	8.4	166.6
	6.5	168.5
C	5.5	169.5
	6.0	169.0
	6.2	168.8
No line	4.7	170.3

50' west

No line	6.0	169.0
	7.3	167.7
	6.7	168.3
C	6.6	168.4
	8.0	167.0
	8.6	166.4
So line	10.7	164.3

17497

75' west

So. line	12.7	162.3
	12.5	162.5
	11.8	163.2
C	11.9	163.1
	11.3	163.7
	9.8	165.2
No. line	10.4	164.6

91' west

No line	11.9	163.1
	11.5	163.5
CB + 8'	11.6	163.4
1/4	8.8	166.2
C	8.8	166.2
	8.7	166.3
	9.5	165.5
So line	9.6	165.4

100' west.

So. line	7.6	167.4
	8.4	166.6
	6.9	168.1
C	6.7	168.3
	7.7	167.3
	8.8	166.2
No. line.	10.0	165.0

CROSS SECTION OF
BRANT ST (50' WIDE)
FROM 450' NO. OF WASHINGTON
TO N.L. LEWIS

CONTINUED FROM PAGE 40.

BM.	9.30	273.76		264.46	NW Door + Washington
		475' NO. OF WASH.			
E			10.6	263.1	
cb			12.3	261.5	
1/4			13.0	260.8	
C			13.1	260.7	
1/4			12.2	261.6	
cb			13.1	260.7	
W			15.1	258.7	
T.P.	0.13	260.94	12.95	260.81	
		500' NO.			
W			14.8	246.1	
cb			14.3	246.6	
1/4			13.7	247.2	
C			13.6	247.3	
1/4			12.6	248.3	
cb			11.5	249.4	
E			9.5	251.4	
T.P.	0.84	249.44	12.34	248.60	

PLOTTED

		249.44			
		525' NO.			
E			8.5	240.9	
cb			11.1	238.3	
1/4			12.7	236.7	
C			14.2	235.2	
1/4			15.3	234.1	
cb			15.2	234.2	
W			15.6	233.8	
T.P.	2.21	238.68	12.97	236.47	
		545' NO.			
W			15.3	223.4	
cb			12.5	226.2	
1/4			10.4	228.3	
C			8.6	230.1	
1/4			7.1	231.6	
cb			5.6	233.1	
E			3.9	234.9	
T.P.	12.03	250.69	0.02	238.66	

250.69

575' No

E			6.8	243.9
cb			9.2	241.5
1/4			11.0	239.7
C			12.4	238.3
1/4			14.1	236.6
cb			16.6	234.1
W			19.6	231.1

600' No

W			8.6	242.1
cb			7.9	242.8
1/4			7.4	243.3
C			4.7	246.0
1/4			2.3	248.4
T.P.	12.44	263.07	0.06	250.63
cb			12.2	250.9
E			8.8	254.3
T.P.	10.68	273.31	0.44	262.63

PLOTTED

273.31

625' No

E			8.6	264.7
cb			13.5	259.8
1/4			15.8	257.5
C			17.8	255.5
1/4			17.0	256.3
cb			17.3	256.0
W			18.3	255.0

640' No. = S.L. LEWIS (60' WIDE)

W			9.7	263.6
cb			9.3	264.0
1/4			8.8	264.5
C			9.5	263.8
1/4			8.5	264.8
cb			6.4	266.9
E			3.5	269.8
T.P.	10.31	281.91	1.71	271.60

281.91

So. CURB

E	8.6	273.3
cb	10.3	271.6
1/4	11.5	270.4
C	12.9	269.0
1/4	11.6	270.3
cb	11.5	270.4
W	13.8	268.1

So. QUARTER

W	11.4	270.5
cb	8.7	273.2
1/4	8.0	273.9
C	7.8	274.1
1/4	6.3	275.6
cb	5.2	276.7
E	3.6	278.3

CENTER

E	2.8	279.1
cb	3.3	278.6
1/4	4.2	277.7

PLOTTED

281.9

C	5.1	276.8
1/4	6.3	275.6
cb	7.2	274.7
W	9.0	272.9

No. QUARTER

W	8.3	273.6
cb	7.1	274.8
1/4	6.0	275.9
C	4.9	277.0
1/4	4.2	277.7
cb	3.5	278.4
E	2.9	279.0

No. CURB

E	2.8	279.1
cb	3.5	278.4
1/4	4.2	277.7
C	5.1	276.8
1/4	6.2	275.7
cb	7.2	274.7
W	8.4	273.5

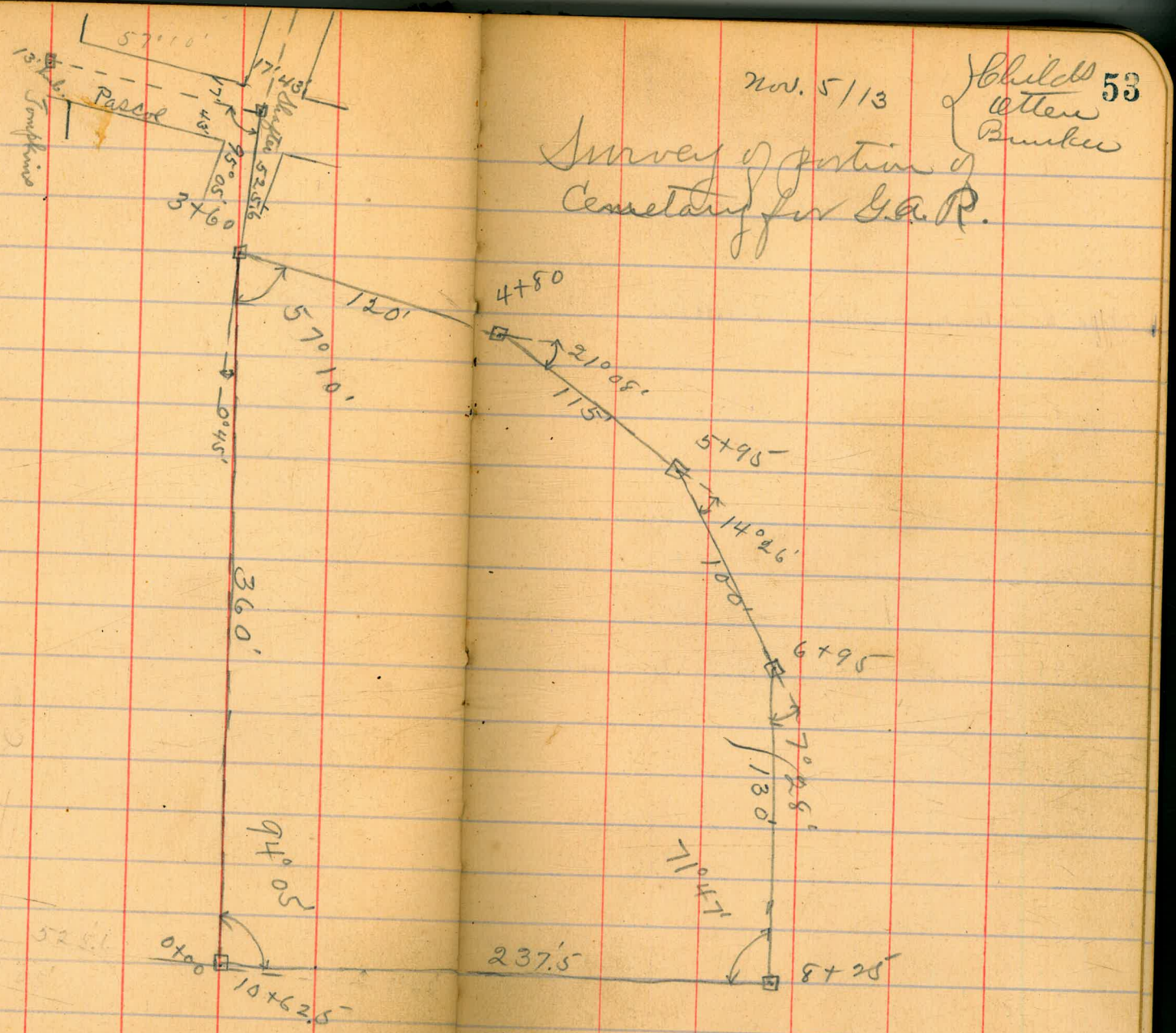
		281.91			
W			9.7	272.2	
cb			7.5	274.4	
1/4			7.0	274.9	
C			6.4	275.5	
1/4			5.1	276.8	
cb			4.0	277.9	
E			3.1	278.8	
T.P.	0.23	274.72	7.42	274.49	
T.P.			10.27	264.45	should be 264.46

PLOTTED

Nov. 5/13

Childs
Allen
Bunker

Survey of portion of Cemetery for G.A.R.



X sect. Peak street from 38th to 40th Nov. 5/13 { Childs, Otten, Bunker

92.80

	1.030	H.I. 111.57		111.27 BM.		50' east	
J.P.	1.13	99.73	12.97	98.60	So. line		7.2 85.4
	East line 38th						7.0 85.8
So. line			11.5	88.3			7.1 85.7
			11.1	88.6	C		8.1 84.7
			11.8	87.9			7.9 84.9
C			11.6	88.1			8.0 84.8
			11.3	88.4	no line		7.9 84.9
			11.0	88.7		75' E.	
no line J.P.	~~4.14~~ 4.14	H.I. 92.80	11.07	88.66	no line		8.2 84.6
	25' east						9.2 83.6
No. line			5.4	87.4			9.3 83.5
			5.4	87.4	C		9.6 83.2
			5.5	87.3			9.5 83.3
C			5.9	86.9			9.4 83.4
			6.2	86.6	So. line		9.8 83.0
			6.3	86.5			
So. line	PLOTTED		6.3	86.5			

92.80

100' E.

solid	11.3	81.5
	11.6	81.2
	11.6	81.2
c	10.7	82.1
	10.7	82.1
	10.7	82.1
no line	10.7	82.1

125' E

no line	11.2	81.6
	11.5	81.3
	11.7	81.1
c	11.8	81.0
	12.5	80.3
	12.2	80.6
solid	12.4	80.4

PLOTTED

92.8

150' E.

solid	12.7	80.1
	12.6	80.2
	12.8	80.0
c	11.1	81.7
	11.2	81.6
	11.3	81.5
no line	11.5	81.3

175' E

no line	9.6	83.2
	9.7	83.1
	9.6	83.2
c	9.6	83.2
	10.5	82.3
	10.9	81.9
solid	11.1	81.7

97.8

200' E

solid	8.3	84.5
	7.8	85.0
	7.7	85.1
C	7.7	85.1
	7.5	85.3
	7.7	85.1
solid	7.4	85.4

225' E

solid	5.4	87.4
	5.6	87.2
	5.4	87.4
C	5.3	87.5
	4.7	88.1
	4.5	88.3
solid	4.6	88.2

PLOTTED

97.8

250' E

solid	3.6	89.2
	2.1	90.7
	2.1	90.7
C	3.6	89.2
	3.7	89.1
	3.6	89.2
solid	3.5	89.3

275' E

solid	3.6	89.2
	4.0	88.8
	3.8	89.0
C	3.7	89.1
	2.2	90.6
	1.8	91.0
solid	2.4	90.4

92.80

300' E

solid	4.5	88.3
	4.3	88.5
	4.4	88.4
C	5.5	87.3
	5.6	87.2
	5.4	87.4
no line	5.7	87.1

325' E

no line	7.8	85.0
	7.7	85.1
	7.0	85.8
C	6.9	85.9
	7.8	85.0
	9.5	83.3
solid	9.7	83.1

PLOTTED

92.8

350' E

solid	11.5	81.3
	10.4	82.4
	7.6	85.2
C	6.9	85.9
	7.0	85.8
	7.0	85.8
no line	5.9	86.9

375' E

no line	3.0	89.8
	4.3	88.5
	5.1	87.7
C	5.4	87.4
	5.9	86.9
	8.1	84.7
solid	9.3	83.5

92.80

400' E

solid			6.3	84.5
			5.0	87.8
			3.7	89.1
C			3.4	89.4
			3.0	89.8
1/4 + 6'			2.9	89.9
			0.9	91.9
no line			0.4	92.4
J.P.	2.55	95.09	0.26	92.54

425' E

no line			1.3	93.8
			1.4	93.7
cb + 3'			4.2	90.9
			4.4	90.7
C			4.6	90.5
			4.8	90.3
			5.6	89.5
E line			6.8	88.3

PLOTTED

95.99

450' E

solid			7.5	87.4
			6.6	88.5
			6.1	89.0
C			5.9	89.2
			6.0	89.1
1/4 + 7'			6.2	88.9
			4.1	91.0
no line			4.06	91.0

475' E

no line			9.1	86.0
			8.9	86.2
			9.3	85.8
C			9.3	85.8
			9.5	85.6
			10.1	85.0
solid			10.6	84.5

T.P.	4.69	H.I. 87.13	12.65	82.44
	500' E			
solid			7.0	80.1
			6.7	80.4
			5.6	81.5
C			5.3	81.8
			5.1	82.0
			5.0	82.1
no line			4.69	82.4
	525' E			
no line			7.2	79.9
			7.6	79.5
			7.6	79.5
C			7.8	79.3
			8.1	79.0
			10.1	77.0
solid			10.2	74.9

PLOTTED

87.13

	550' E		
solid		12.2	74.9
		11.6	75.5
		9.2	77.9
C		8.7	78.4
		8.3	78.8
		8.4	78.7
no line		7.1	80.0
	575' E		
no line		5.7	81.4
		7.1	80.0
		8.1	79.0
C		8.2	78.9
		8.4	78.7
		11.1	76.0
solid		11.7	75.4

87,13

598' E

solid	11.6	75.5
	10.2	74.9
	7.6	79.5
c	7.3	79.8
	7.0	80.1
	5.5	81.6
no line	4.3	82.8

600' E (west line 39 pts)

no line	4.31	82.82
	5.8	81.3
	7.0	80.0
c	7.3	79.8
	7.7	79.4
	9.4	77.7
solid	10.4	74.7

PLOTTED

Nov. 6/13 { Childs, Allen, Bunker

60

		Hz.	
J.P.	6.64	89.46	82.82
	W. cb. 39 pts		
solid		13.0	76.5
		11.4	78.1
		10.3	79.2
c		9.3	80.2
		8.8	80.7
		7.9	81.6
no line		7.1	82.4
	W 1/4		
no line		6.4	83.1
		7.6	81.9
		8.4	81.1
c		9.0	80.5
		10.1	79.4
		11.2	78.3
solid		12.4	77.1

8944

Center

So line	12.2	77.3
	10.9	78.6
	9.7	79.8
C	8.9	80.6
	8.4	81.1
	7.4	82.1
no line	6.3	83.2

E 1/4

no line	6.2	83.3
	7.4	82.1
	8.4	81.1
C	8.7	80.8
	9.7	79.8
	10.8	78.7
So line	12.0	77.5

PLOTTED

8944

E. 1/6

So line	12.3	77.2
	11.0	78.5
	9.6	79.9
C	8.6	80.9
	8.2	81.3
	7.4	82.1
no line	6.1	83.4

E. line 39th

no line	6.2	83.3
	7.5	82.0
	8.2	81.3
C	8.5	81.0
	8.9	80.6
	10.2	79.3
So line	11.7	77.8

8946

2' east

do line	12.7	76.8
	11.0	78.5
	8.9	80.6
c	8.5	81.0
	8.3	81.2
	7.5	82.0
cb + 8'	6.5	83.0
no line	4.6	84.9

25' east

no line Prop + 2'	3.8	85.7
	6.2	83.3
	7.1	82.4
	7.8	81.7
c	8.0	81.5
	8.5	81.0
	10.3	79.2
do line	12.5	77.0

PLOTTED

8946

50' E

do line	9.9	79.6
	8.6	80.9
	7.1	82.4
c	6.3	83.2
	6.0	83.5
	5.1	84.4
cb + 8	4.1	85.4
no line	2.8	86.7

75' E

no line Prop + 2'	0.5	89.0
	1.4	88.1
	2.8	86.7
	3.8	85.7
c	3.9	85.6
	4.6	84.9
	5.8	83.7
do line	7.6	81.9

89.46

100' E

solid		5.1	84.4
		3.4	86.1
		2.1	87.4
C		1.5	88.0
		1.0	88.5
no sb.		0.5	89.0
J.P.	10.42	H.I. 99.32	0.56 88.90
cb + 8'			8.8 90.5
no. line			7.4 91.9

125' E

no. line	2.9	96.4
	5.2	94.1
	7.2	92.1
1/4 C + 4'	9.3	90.0
	9.1	90.2
	9.5	89.8
	10.2	89.1
solid	12.7	86.6

PLOTTED

99.32

150' E

solid	11.0	88.3
	8.1	91.3
	7.3	92.0
C	7.3	92.0
C + 6'	7.1	92.2
	4.6	94.7
	3.3	96.3
no line	0.5	98.8

175' E

prop. + 4'	1.7	97.6
	2.0	97.3
	2.7	96.6
1/4 C + 4'	5.0	94.3
	5.3	94.0
	5.4	93.9
	6.0	93.3
solid	9.3	90.0

99.37

200' E

solid	8.9	90.4
	5.4	93.9
	4.7	94.6
C	4.6	94.7
C + 6'	4.6	94.7
	1.5	97.8
cb + 5'	0.7	98.6
~~solid~~	0.2	99.1

225' E

no cb.	0.0	99.3
1/4 + 5 C	1.8	97.5
	4.4	94.9
	4.5	94.8
	5.0	94.3
	6.1	93.7
solid	10.1	89.7

PLOTTED

99.3

250' E

solid	8.8	90.5
	5.7	93.6
	4.8	94.5
C	4.4	94.9
C + 4'	4.4	94.9
	2.1	97.2
no cb.	0.0	99.3

275' E

no cb.	-0.5	99.8
1/4 + 4	0.8	98.5
" C + 7'	1.4	97.9
	3.9	95.4
	4.0	95.3
	4.5	94.8
	5.1	94.2
solid	8.7	90.6

99.37

300' E

so line	8.7	90.4
	5.2	94.1
	4.5	94.8
C	4.5	94.8
C + 4'	4.2	95.1
" + 7'	1.5	97.8
	0.9	98.4
no cb.	−0.3	99.6

325' E

no cb.	1.3	98.0
	2.5	96.8
1/4 + 3'	3.2	96.1
1/4 + 6'	5.8	93.5
C	5.8	93.5
	5.7	93.6
	6.2	93.1
so line	9.6	89.7

PLOTTED

Nov. 7/13 { Childs, Otten, Bunker

99.37

350' E

so line	11.8	87.5
	8.6	90.7
	8.4	90.9
C	8.4	90.9
C + 4'	8.4	90.9
C + 7'	6.3	93.0
	5.6	93.7
	4.5	94.8
cb + 5'	4.1	95.2
no line	1.4	97.9

375' E

no line	3.9	95.4
Prop + 4'	6.5	92.8
	7.0	92.3
	8.1	91.2
1/4 + 6'	10.2	89.1
C	10.4	88.9
	10.5	88.8
	10.9	88.4
so line	13.9	85.4

9937

400' E

solid	16.8	87.5
	12.0	87.3
	11.4	87.9
C	11.2	88.1
	8.5	90.8
	7.4	91.9
CB + 8'	6.6	92.7
solid	4.7	94.6

425' E

solid	5.2	94.1
~~[illegible]~~	6.9	92.4
	7.9	91.4
1/4 + 5'	9.2	90.1
C	11.1	88.7
	11.4	87.9
	11.7	87.6
solid	14.9	84.4

PLOTTED

9937

450' E

solid	14.0	85.3
	10.9	88.4
	10.6	88.7
C	10.2	89.1
	7.3	92.0
	6.0	93.3
solid	4.2	95.1

475' E

solid	5.4	93.9
	6.7	92.6
	8.0	91.3
C	9.6	89.7
	10.4	88.9
	10.8	88.5
solid	13.2	86.1

PLOTTED

99.32

500' E

solid			13.4	85.9
			11.9	87.4
			11.5	87.8
C			11.0	88.3
			9.4	89.9
			8.3	91.0
no line			7.1	92.2

525' E

no line			9.4	89.9
			10.5	88.8
			11.3	88.0
C			13.1	86.2
			13.3	86.0
			13.6	85.7
T.P.	1.33	H.I. 88.40	12.25	87.07
solid			4.2	84.2

PLOTTED

0.88

88.40

550' E

solid	5.0	83.4
	3.9	84.5
	3.6	84.8
C	3.8	84.6
	2.7	85.7
	2.3	86.1
no line	1.3	87.1

575' E

no line	3.7	84.7
	4.3	84.1
	4.7	83.7
C	4.8	83.6
	4.5	83.9
	4.8	83.6
solid	5.1	83.3

884

600' E

solid	5.3	83.1
	5.2	83.2
	5.2	83.2
C	5.6	82.8
	5.4	83.0
	5.2	83.2
solid	4.6	83.8

625' E

solid	5.8	82.6
	6.2	82.2
	6.4	82.0
C	6.3	82.1
	5.9	82.5
	6.1	82.3
solid	6.5	81.9

PLOTTED

88,40

650' E (west line 40th st)

solid	7.6	80.8
	7.5	80.9
	7.3	81.1
C	7.6	80.8
	7.8	80.6
	7.8	80.6
solid	monument 7.44	80.96

T.P.	6.25	H.I. 104.69	0.88	98.44
	175' E	39 ctr		
no line			4.2	100.5
	200' E			
no line			2.2	102.5
	225' E			
no line			1.6	103.1
prop + 5'			4.2	100.5
	250' E			
cb + 3'			4.7	100.0
no line			1.6	103.1
	275' E			
no line			1.6	103.1
prop + 7'			4.4	100.3
	300' E			
cb + 3'			4.2	100.5
no line			2.1	102.6
	325' E			
no line	PLOTTED		4.4	100.3

X sect. 39th street from Woodman

Nov. 7/13

Shields
Otten
Bunker

70

T.P.	0.45	H.I. 111.72 B.M.	111.27
	South line Woodman		
E line		1.4	110.3
		1.4	110.3
		1.2	110.5
C		1.4	110.3
		1.7	110.0
		1.7	110.0
W line		0.8	110.9
	25' so.		
W line 2' east		0.7	111.0
		2.0	109.7
		2.1	109.6
		2.2	109.5
C		2.2	109.5
		1.9	109.8
		1.9	109.8
E line		1.9	109.8

PLOTTED

111.73

	50' so.	
E line	3.2	108.5
	3.2	108.5
	3.1	108.6
C	3.1	108.6
	2.9	108.8
	2.8	108.9
CL + 8'	2.9	108.8
W line	1.3	110.4
	75' so.	
W line 2' east	2.0	109.7
	3.6	108.1
	4.1	107.6
	4.2	107.5
C	4.0	107.7
	4.0	107.7
	4.4	107.3
E line	4.8	106.9

111.72

100' so.

E line	6.9	104.8
	6.6	105.1
	6.4	105.3
C	6.2	105.5
	6.0	105.7
	6.0	105.7
cb + 8'	5.7	106.0
W line	4.0	107.7

125' so.

W line	9.3	102.4
	9.4	102.3
	9.5	102.2
C	9.6	102.1
	9.9	101.8
	10.2	101.5
E line	11.0	100.7

PLOTTED

		H.I.		
JP.	138	100.50	12.60	99.12

150' so.

E line	3.6	96.9
	3.0	97.5
	2.6	97.9
C	2.3	98.2
	2.5	98.0
	2.5	98.0
W line	2.9	97.6

175' so.

W line	6.9	93.6
	6.7	93.8
	6.9	93.6
C	6.9	93.6
	6.9	93.6
	6.9	93.6
E line	7.8	92.7

100.50

200' Ro.

Elive		9.8	90.7
		9.8	90.7
		10.0	90.5
C		10.0	90.5
		10.1	90.4
		10.2	90.3
White		10.8	89.7
T.P..	213 H.I. 89.87	12.76	87.74

225' Ro.

White		3.0	86.9
		2.5	87.4
		2.1	87.8
C		1.8	88.1
		1.3	88.6
		1.0	88.9
Elive		1.0	88.9

PLOTTED

89.87

250' Ro.

Elive		2.9	87.0
		3.0	86.9
		3.2	86.7
C		3.5	86.4
		3.8	86.1
		4.3	85.6
White		4.8	85.1

275' Ro.

White		6.4	83.5
		6.2	83.7
		5.8	84.1
C		5.6	84.3
		5.4	84.5
		5.5	84.4
Elive		5.3	84.6

89.87

285' so (north line Teak)

E line	6.5	83.4	
	6.4	83.5	
	6.6	83.3	
C	6.6	83.3	
	6.9	83.0	
	7.1	82.8	
W line	7.07	82.80	
J.P.	2 nails in Pole S.W. cor. 0.55 H.I. 77.49	12.93	76.94

South line Teak.

W line	0.7	76.8	
	0.9	76.6	
	0.5	77.0	
C	0.3	77.2	
	0.1	77.4	
	0.5	77.0	
E line	+0.2	77.7	

PLOTTED

77.49

25' so.

E line	2.7	74.8
	3.3	74.2
	2.7	74.8
C	2.9	74.6
	3.0	74.5
	3.5	74.0
W line	3.6	73.9

50' so.

W line	4.6	72.9
	5.1	72.4
	4.8	72.7
C	4.6	72.9
	4.5	73.0
	4.9	72.6
E line	4.0	73.5

77.49

75' so.

Elmo	5.3	72.7
	6.0	72.0
	5.8	71.7
C	5.6	71.9
	5.6	71.9
	5.9	71.6
White	5.1	72.4

100' so.

White	6.6	70.9
	6.7	70.8
	6.3	71.2
C	6.4	71.1
	6.6	70.9
	7.0	70.5
Elmo	6.3	71.2

PLOTTED

77.49

125' so.

Elmo	7.0	70.5
	7.8	69.7
	7.3	70.2
C	7.1	70.4
	7.2	70.3
	7.5	70.0
White	6.9	70.6

150' so.

White	7.2	70.3
	7.8	69.7
	7.7	69.8
C	7.8	69.7
	8.0	69.5
	8.7	68.8
Elmo	7.9	69.6

77.49

175' so.

E line	8.9	48.6
	9.4	48.1
	8.8	48.7
C	8.4	49.1
	8.3	49.2
	8.5	49.0
W line	7.8	49.7

200' so.

W line	8.0	49.5
	8.8	48.6
	8.9	48.6
C	9.2	48.3
	9.6	47.9
	10.3	47.2
E line	10.2	47.3

PLOTTED

77.49

206.34 on East (No. line S street)

E line	11.0	46.5
	10.2	47.3
	9.7	47.8
C	9.2	48.3
	8.8	48.7
	8.7	48.8
W line	7.7	49.8

No. ch.

W line	8.1	49.4
	8.5	49.0
	8.8	48.7
C	9.1	48.4
	9.6	47.9
	10.6	46.9
E line	11.0	46.5

Nov. 10/13 { Schilds, Allen, Bunker

7749

No 1/4

Elmo	10.8	44.7
	10.3	47.2
	9.6	47.9
C	9.3	48.2
	8.9	48.6
	8.5	49.0
White	7.9	49.6

No. cb.

white	7.9	49.6
	8.5	49.0
	8.9	48.6
C	9.4	48.1
	9.7	47.8
	10.5	47.0
Elmo	10.9	46.6

7749

No 1/4

Elmo	11.0	46.5
	10.4	47.1
	9.5	48.0
C	9.1	48.4
	8.8	48.7
	8.4	49.1
White	7.9	49.6

Center

white	7.8	49.7
	8.5	49.0
	8.9	48.6
C	9.2	48.3
	9.7	47.8
	10.4	47.1
Elmo	10.8	46.7

PLOTTED

77.49

South line S. street.

E line	10.3	47.2
	10.2	47.3
	9.5	48.0
C	9.1	48.4
	8.8	48.7
	8.1	49.4
W line	7.6	49.9
25' RO.		
W line	6.9	50.6
	7.9	49.6
	7.7	49.8
C	8.1	49.4
	8.5	49.0
	9.4	48.1
E line	9.0	48.5

PLOTTED

77.49

50' RO.

E line	7.4	70.1
	7.9	69.6
	7.3	70.2
C	6.9	70.6
	6.6	70.9
	6.8	70.7
W line	5.4	72.1
75' RO.		
W line	4.2	73.3
	5.6	71.9
	5.2	72.3
C	5.3	72.2
	5.6	71.9
	6.2	71.3
E line	5.8	71.7

7749

100' RO.

E line	4.8	72.7
	5.1	72.4
	4.7	72.8
C	4.7	72.8
	4.6	72.9
	4.4	73.1
W line	3.5	74.0

125' RO.

W line	4.5	73.0
	5.7	71.8
	5.1	72.4
C	5.2	72.3
	5.5	72.0
	6.2	71.3
E line	5.9	71.6

PLOTTED

7749

150' RO.

E line	6.7	70.8
	7.1	70.4
	6.5	71.0
C	6.0	71.5
	5.7	71.8
	6.2	71.3
W line	5.0	72.5

175' RO.

W line	6.2	71.3
	7.2	70.3
	6.8	70.7
C	6.8	70.7
	7.2	70.3
	8.1	69.4
E line	7.6	69.9

7749

200' so.

Eline	8.4	49.1
	8.9	48.6
	8.1	49.4
C	7.6	49.9
	7.6	49.9
	7.8	49.7
Wline	6.5	71.0

206.34 east (northline T street)

Wline	6.6	70.9
	7.9	49.6
	7.9	49.6
C	8.0	49.5
	8.4	49.1
	9.3	48.2
Eline	8.8	48.7

PLOTTED

7749

no. 66.

Eline	10.1	47.4
	9.6	47.9
	9.1	48.4
C	8.6	48.9
	8.3	49.2
	8.0	49.5
Wline	7.4	70.1

no 1/4

Wline	7.5	70.0
	8.0	49.5
	8.6	48.9
C	9.1	48.4
	9.4	68.1
	9.9	47.6
Eline	10.4	47.1

250 E
S.L. 4.0
ch 209.3
200

77.49

Center

Ehrio	10.5	47.0
	10.0	47.5
	9.6	47.9
C	9.2	48.3
	8.7	48.8
	8.2	49.3
Whrio	7.8	49.7

40 1/4

Whrio	7.9	69.4
	8.5	49.0
	8.9	48.4
C	9.3	48.7
	9.8	47.7
	10.2	47.3
Ehrio	10.6	44.9

See Book 903 page 59

PLOTTED

284.9 206.34
205.76

8.46 NE on M + 18 the
63
6133
1.67
73
6210
193.40
194.0
825
2375
10.62 SW

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 16 Feet Wide. Side Slopes 1½ to 1.

For Single Track Embankment.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9 5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12 8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14 0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21 5	21.7	21 8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23 0	23.2	23 3	23.5	23.6	23 8	23.9	24.1	24.2	24 4	10
11	24.5	24 7	24.8	25 0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	25.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30 2	30 4	14
15	30.5	30 7	30 8	31.0	31.1	31.3	31 4	31 6	31.7	31 9	15
16	32.0	32 2	32.3	32.5	32.6	32.8	32.9	33 1	33.2	33.4	16
17	33.5	33 7	33 8	34.0	34.1	34 3	34 4	34 6	34 7	34 9	17
18	35.0	35 2	35 3	35.5	35.6	35 8	35.9	36 1	36.2	36 4	18
19	36.5	36.7	36 8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38 8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39 8	40.0	40.1	40.3	40.4	40.6	40.7	40 9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42 2	42.4	22
23	42.5	42.7	42 8	43 0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47 9	48.1	48 2	48.4	26
27	48 5	48.7	48.8	49.0	49 1	49.3	49.4	49 6	49.7	49 9	27
28	50.0	5[illegible].2	50.3	50.5	50.6	50.8	50.9	51 1	51.2	51 4	28
29	51.5	51.7	51.8	52.0	52 1	52 3	52.4	52 6	52.7	52 9	29
30	53.0	53.2	53 3	53 5	53.6	53.8	53.9	54.1	54.2	54 4	30
31	54 5	54.7	54 8	55 0	55.1	55.3	55.4	55.6	55.7	55 9	31
32	56.0	56.2	56 3	56.5	56.6	56 8	56.9	57.1	57 2	57.4	32
33	57.5	57.7	57.8	58 0	58 1	58 3	58.4	58.6	58.7	58 9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61 0	61.1	61.3	61 4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62 6	62.8	62 9	63.1	63.2	63.4	36
37	63.5	63 7	63 8	64.0	64.1	64.3	64.4	64.6	64 7	64 9	37
38	65 0	65.2	65.3	65.5	65.6	65 8	65 9	66 1	66 2	66.4	38
39	66 5	66.7	66 8	67.0	67 1	67 3	67.4	67 6	67 7	67 9	39
40	68.0	68.2	68.3	68.5	68 6	68.8	68 9	69.1	69.2	69 4	40

Calculated by F. E. Paradis. C. E.

147
6.12
153.12
200.74
34

EUGENE DIETZGEN CO.
MANUFACTURERS & IMPORTERS OF
DRAWING MATERIALS AND
SURVEYING INSTRUMENTS
NEW YORK, CHICAGO,
NEW ORLEANS & SAN FRANCISCO

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 14 Feet Wide. Side Slopes 1½ to 1.

For Single Track Embankment.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.00	7.15	7.30	7.45	7.60	7.75	7.90	8.05	8.20	8.35	0
1	8.50	8 65	8.80	8.95	9.10	9.25	9.40	9.55	9.70	9.85	1
2	10.00	10.15	10.30	10.45	10.60	10.75	10.90	11.05	11.20	11.35	2
3	11.50	11.65	11.80	11.95	12.10	12.25	12.40	12.55	12.70	12.85	3
4	13.00	13.15	13.30	13.45	13.60	13.75	13.90	14.05	14.20	14.35	4
5	14.50	14 65	14.80	14.95	15.10	15.25	15.40	15.55	15.70	15.85	5
6	16 00	16.15	16.30	16.45	16.60	16.75	16.90	17.05	17.20	17.35	6
7	17.50	17.65	17.80	17.95	18.10	18.25	18.40	18.55	18.70	18.85	7
8	19.00	19.15	19.30	19.45	19.60	19.75	19.90	20.05	20.20	20.35	8
9	20.50	2[illegible].65	20.80	20.95	21.10	21.25	21.40	21.55	21.70	21.85	9
10	22.00	22 15	22.30	22.45	22.60	22.75	22.90	23.05	23.20	23.35	10
11	23.50	23.65	23.80	23.95	24.10	24 25	24.40	24.55	24.70	24.85	11
12	25.00	25.15	25.30	25.45	25.60	25.75	25.90	26.05	26.20	26.35	12
13	26.50	26.65	26.80	26.95	27.10	27.25	27.40	27.55	27.70	27.85	13
14	28 00	28.15	28.30	28.45	28.60	28.75	28.90	29.05	29.20	29.35	14
15	29.50	29.65	29.80	29.95	30.10	30.25	30.40	30.55	30.70	30.85	15
16	31.00	31.15	31 30	31.45	31.60	31.75	31.90	32.[illegible]5	32.20	32.35	16
17	32 50	32.65	32.80	32.95	33.10	33.25	33.40	33.55	33.70	33.85	17
18	34.00	34.15	34 30	34.45	34.60	34.75	34.90	35.05	35.20	35.35	18
19	35.50	35.65	35.80	35.95	36.10	36.25	36.40	36.55	36.70	36.85	19
20	37.00	37.15	37.30	37.45	37.60	37.75	37.90	38.05	38.20	38.35	20
21	38.50	38.65	38.80	38.95	39.10	39.25	39.40	39.55	39 70	39.85	21
22	40 00	40.15	40 30	40.45	40.60	40.75	40.90	41.05	41.20	41.35	22
23	41.50	41.65	41.80	41.95	42.10	42.25	42.40	42.55	42.70	42.85	23
24	43.00	43.15	43.30	43.45	43.60	43.75	43.90	44.05	44.20	44.35	24
25	44.50	44.65	44.80	44 95	45 10	45.25	45.40	45 55	45.70	45.85	25
26	46.00	46.15	46.30	46.45	46 60	46.75	46 90	47.05	47.20	47.35	26
27	47.50	47 65	47.80	47.95	48.10	48.25	48 40	48.55	48 70	48.85	27
28	49.00	49.15	49.30	49.45	49.60	49.75	49.90	50.05	50.20	50.35	28
29	50.50	50.65	50 80	50.95	51.10	51.25	51.40	51.55	51.70	51.85	29
30	52.00	52.15	52.30	52.45	52.60	52.75	52.90	53.05	53.20	53.35	30
31	53.50	53.65	53.80	53.95	54.10	54.25	54.40	54.55	54.70	54.85	31
32	55 00	55.15	55.30	55.45	55.60	55.75	55 90	56.05	56.20	56.35	32
33	56.50	56.65	56.80	56.95	57.10	57.25	57.40	57.55	57.70	57.85	33
34	58.00	58.15	58.30	58 45	58.60	58.75	58.90	59.05	59.20	59 35	34
35	59.50	59.65	59.80	59.95	60.10	60.25	60.40	60.55	60.70	60.85	35
36	61.00	61.15	61.30	61.45	61.60	61.75	61.90	62 05	62.20	62.35	36
37	62 50	62.65	62.80	62.95	63.10	63.25	63 40	63.55	63.70	63.85	37
38	64 00	64.15	64.30	64.45	64.60	64.75	64.90	6[illegible].05	65.20	65.35	38
39	65 50	65.65	65.80	65 95	66.10	66.25	66.40	66.55	66.70	66.85	39
40	67.00	67.15	67.30	67.45	67.60	67.75	67.90	68.05	68.20	68.35	40

Calculated by F. E. Paradis, C. F