1236

POST

FIELD BOOK

No. 385

Our Leather Bound Engineers Note Books are carried in the following rulings:

No. 380 LEVEL BOOK. Left and Right Hand Page the same as Left Hand Page of this Book.

No. 382 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 4 x 4 to the inch, Center Line Red.

No. 384 MINING TRANSIT BOOK. Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.

No. 385 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 8 vertical and 4 horizontal lines to the inch, Center Line Red.

We also carry the Note Books listed above, bound in extra strong Fabri-Hide (otherwise the same quality of book), which can be furnished at a somewhat lower price.

In ordering Fabri-Hide covered books, add the letter *"F"* to catalog number.

Radio Drive	Orange 800' S. W'ly	1
Alley 69, 89, 96, 108, 125	City Hts	12
Evergreen	Lowell to Oliphant	33
Newell	Evergreen to Willow	38
"	" to Rosecrans	39
Locust	Lowell to Oliphant	42
X sec Alley Blk 69	City Hts	47
X sec. Dwight & 38th		49-56
Mt View 33rd - 35th	Curb Levels	75-79

No Inv Appr 80 7/15/30 AHA

Bliss 3/4/18 — X Sections The South Line of Orange 800' S. Westerly — Drive from

Isbell — T — Elev — 40' St

W. Holbeck

BM. N.W. Prop

a & b Parade at Miles

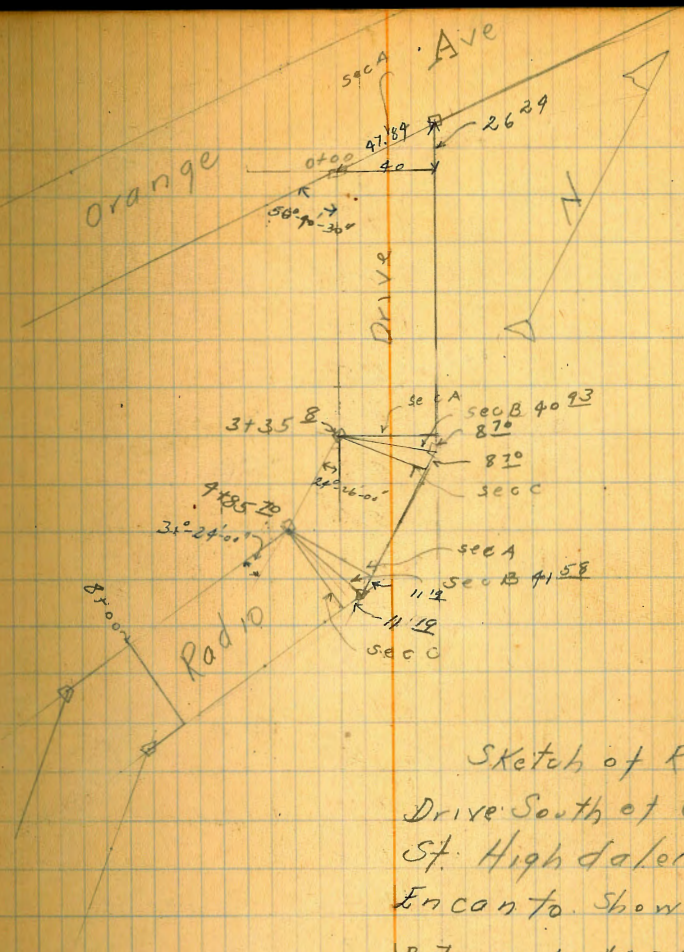
c, Radio Feed Miles

Notes

	12 25	363.61		351.36	5'cbs 7-5 1/2
T P	~~11.33~~ 12.91	375.80	0.72	362.89	
T P	12.17	387.77	0.20	375.60	
T P	12.98	400.55	0.20	387.57	
T P	11.59	412.12	0.02	400.53	
T P	13.20	425.17	0.15	411.97	
T P	12.03	437.17	0.03	425.14	
T P	11.60	447.72	1.05	436.12	
T P	9.81	457.32	0.21	447.51	

Sec A

				47.89
E			1.12	
ob			1.3	
+ 8			1.3	
1/4			1.6	
E			2.2	
1/4			2.6	
ob			3.1	
+ 3			3.3	
W			2.8	
Set BM. SW Prop H.b			2.80	
.		0+00		
W			2.8	
+ 3			3.4	
ob			3.4	
1/4			3.7	
E			2.8	



Sketch of Radio Drive South of Orange St. Highdale Addition Encanto Showing Distances, Angles & Sections Taken at angle points

1

π
26.2 ℓ
957.32

1/4	2:5
cb	2 3
E	1:9
	30'S00Tb
E	3.2
cb	3.5
1/4	9.2
℄	9.5
1/4	5/
+4	5.8
cb	5 6
+3	5.5
W	℄b
	60'S
W	7.2
cb	7.2
+3	7.2
1/4	6:7
℄	6.2
+4	6.4
1/4	6.2
cb	5 8
E	5.2
	85'S
E	7:9
cb	7.9

π
957.32

2

1/4	8:0
℄	7.6
+1	7.2
1/4	7.5
+5	7.9
cb	8.5
+1	8.2
W	8:0
	100'S
W	7:9
+1	7:8
cb	9.10
+1	8:7
1/4	8.5
+7	8.6
℄	9.1
1/4	8.9
cb	8.9
E	8.8
	125'S0
E	11.2
cb	11.4
+6	11.9
1/4	11.3
+5	11.5
℄	10.8

		457.32			
+6			10.5		
1/4			10.4		
+7			11.1		
cb			10.3		
+2			9.3		
W			9.2		
			150'S		
W			10.5		
cb			10.4		
+2			12.7		
1/4			12.0		
E			12.2		
+2			13.2		
1/4			13.3		
cb			13.3		
E			12.9		
T.P.	0.70	445.78	12.24	445.08	
		175'S			
E-10			2.4		
E			3.6		
cb			4.0		
+3			4.2		
1/4			3.8		
+5			2.9		
E			3.0		
+3			2.7		

		445.78			3
+6			3.0		
1/4			3.0		
+3			3.1		
cb			1.2		
W			0.4		
		181'S			
W			0.5		
cb			1.1		
+3			3.4		
1/4			3.5		
+5			3.3		
E			3.7		
+2			3.9		
1/4			4.1		
cb			4.4		
E			5.0		
E+10			3.8		
		200'S			
E-10			4.6		
E			6.0		
cb			6.5		
1/4			6.5		
+3			6.4		
E			4.9		
+5			4.4		
1/4			4.5		

↑ 445.78

+1	5.1
+3	5.0
cb	2.8
W	2.4
225'S	
W	4.0
+4	4.3
cb	4.4
+3	6.5
1/4	5.7
E	6.0
+2	6.1
1/4	8.2
+5	9.1
cb	9.1
E	8.6
E+15	6.1
250'S	
E-15	9.0
E	11.4
cb	11.8
1/4	10.4
E	8.4
+5	7.9
1/4	7.8
+6	7.7

↑ 445.78

cb	7.0		
+2	6.2		
W	5.8		
T.P. 3.35	439.48	9.65	436.13
275'S			
W	0.8		
+2	1.0		
cb	2.4		
1/4	2.4		
+5	2.5		
E	3.3		
1/4	5.0		
+6	7.1		
cb	7.6		
+1	8.4		
E	8.1		
E+15	5.9		
300' South			
E-15	9.4		
E	10.9		
cb	8.7		
+6	7.5		
1/4	6.9		
+6	4.9		
E	4.9		
+2	4.8		

939.98

+5	3.7
1/4	3.5
cb	3.5
+4	3.5
W	2.1
	318'5
W	2.7
+0.5	4.2
cb	4.5
1/4	4.5
+1	4.4
E	6.5
1/4	8.5
cb	10.8
E	13.1
E+5	13.1
E+5	12.1
E+15	8.7

A 3+35 E Sec A see sketch

E-15	9.0
E-5	12.3
E	14.5
+3	14.5
cb	13.6
+5	11.0
1/4	10.6

939.98

40.93

5.72 3.69 1.740 8.70

5

E	8.7
1/4	6.9
+4	5.4
cb	5.8
W	5.8

Sec B 40.93

N	5.8
cb	5.8
+3	5.6
1/4	7.3
E	8.9
1/4	10.9
cb	14.1
+1	14.6
E	14.9
+5	13.9
+15	10.7

Sec C

E-15	11.3
E-11	12.2
E-5	15.5
E	15.7
+1	15.7
cb	13.7
1/4	11.0
E	8.8

	439.48	
1/4		7.2
+3		5.7
cb		5.9
W		5.8
	370 South	
W		6.5
+1		7.3
cb		7.8
+4		8.4
1/4		8.2
+2		8.3
+3		9.2
℄		10.2
1/4		11.5
cb		13.4
E		16.0
E+5		19.0
E+12		14.5
E+15		13.0
	400' South	
E-15		14.8
E-11		16.0
E-15		19.6
E		19.0
cb		16.0
+2		15.2

	439.48			
1/4		13.3		
℄		11.5		
+3		10.3		
1/4		10.5		
cb		9.6		
+3		9.5		
+4		7.5		
W		7.5		
	425' S			
W		9.3		
+2		9.4		
+3		11.3		
cb		11.5		
1/4		12.1		
+3		11.7		
℄		13.3		
T.P.	2.35	429.18	12.65	9 26.83
1/4			4.9	
cb			7.1	
E			9.5	
E-5			10.8	
E-10			9.1	
E-25			4.9	
	450 S.			
E-25			6.4	
E-15			8.8	

4-9-18

E-10	10.9
E-7	13.0
E	10.9
ob	8.9
1/4	6.5
℄	9.8
+9	3.1
1/4	3.1
ob	3.0
+2	2.7
VV	0.3
	9+85 2 Sec A A
W	5.2
2b	9.9
+6	9.6
1/4	5.2
+3	6.6
℄	7.3
1/4	8.9
ob	10.2
E	11.4
E+7	15.0
+17	11.6
+25	10.0
	Sec B
E-35	12.9

4-9-18

7

E-23	13.9
E-15	15.3
E	11.5
ob	10.7
1/4	9.3
℄	7.6
+5	6.7
1/4	5.6
+2	9.7
2b	5.0
VV	5.2
	Sec C
VV	5.2
ob	5.1
+6	9.8
1/4	5.6
+3	6.9
℄	7.8
1/4	9.0
ob	10.4
E	11.2
E+13	13.6
E+20	16.2
+25	16.2
	500' S.
E-20	17.6

E-1	E-20	4-29-18	15.6
E-1	E		11.6
E	Cb		10.5
Cb	1/4		9.0
1/4	℄		7.4
℄	+5		5.2
+4	1/4		5.3
1/4	Cb		5.6
Cb	W		5.9
+2		525 S	
WV	WV		4.8
	+3		5.2
W	+4		6.8
Cb	Cb		6.9
+6	1/4		7.0
1/4	+5		6.9
+3	℄		8.4
℄	+1		8.8
1/4	1/4		9.7
Cb	Cb		11.2
E	+2		12.6
E+	E		12.3
+1	E+16		16.3
+2	E+22		18.5
	E+27		16.3
E-3			

E-30	4-29-18	550 South	16.0
E-20			20.5
E-11			16.8
E			14.2
Cb			13.4
1/4			11.2
+6			9.9
℄			9.5
+2			8.4
1/4			8.5
Cb			8.1
+1			8.1
+3			5.5
W			5.3
		575	
NV			6.9
+2			7.1
+3			9.1
Cb			9.2
1/4			9.4
+5			9.7
℄			11.0
1/4			12.5
Cb			14.8
E			15.6
+5			14.8

		429.18		
+15			20.7	
+25			17.0	
		600' S.		
E-35			17.5	
E-23			21.5	
E-15			20.0	
E-8			18.0	
E			16.2	
cb			15.0	
1/4			13.2	
+6			12.0	
℄			11.6	
+2			10.6	
1/4			10.2	
cb			10.4	
+2			10.4	
+3			7.9	
W			7.6	
		625 S		
W			9.2	
+2			9.6	
+3			12.1	
cb			12.1	
1/4			11.8	
+5			12.0	
TP	1.79	918.82	12.15	417.03

	418.82		
℄		3.0	
1/4		4.3	
cb		6.3	
E		7.2	
E+17		10.7	
+19		11.7	
+25		11.6	
+36		6.5	
	650'		
E-35		8.0	
-20		11.2	
-17		12.3	
-11		12.9	
-5		10.5	
E		9.0	
cb		8.0	
1/4		6.3	
℄		9.7	
+4		3.2	
1/4		3.0	
cb		3.0	
+2		2.9	
+3		1.0	
W		0.8	
	675 S		
W		2.0	

↑ 418.82

+1	2.0
+2	3.8
cb	9.0
1/4	4.1
+3	4.1
℄	5.8
1/4	7.5
cb	9.3
E	10.6
E +5	11.5
+10	13.0
+18	13.2
+30	8.7
	700' So.
E -30	8.5
E -18	13.3
E -9	13.4
E	11.7
cb	10.6
1/4	8.7
℄	6.7
+5	5.1
1/4	5.1
cb	4.8
+9	4.8
W	3.7

↑ 418.82

	725' So.
W	5.7
cb	5.7
1/4	5.7
+2	5.6
+6	7.3
℄	7.7
1/4	8.9
cb	11.2
E	12.6
+5	13.8
+20	14.0
+26	10.7
	750' So.
E -30	12.9
E -20	14.9
E -12	19.7
E	12.7
cb	11.4
1/4	9.7
℄	8.3
+4	7.8
+6	6.8
1/4	6.8
cb	7.0
W	7.0

		T 418.8 ~		
		7755 o		
W			7.9	
cb			7.9	
1/4			7.9	
℄			10.0	
1/4			11.3	
+4			12.7	
cb			13.1	
E			13.9	
+5			14.6	
+10			15.0	
+24			15.0	
+35			11.3	
		800' South		
E-25			11.7	
-15			15.8	
E			16.0	
cb			14.7	
1/4			13.3	
℄			11.1	
+9			10.1	
1/4			8.7	
cb			9.1	
W			9.1	
TP	0.96	907.21	12.57	406.25
TP	0.85	399.79	13.27	393.94
TP	0.25	382.15	12.89	381.90

382.15

TP 2.95	373.77	10.83	371.32	
TP 1.22	361.98	13.01	360.76	
Check on starting B.M. N.W. corner Paradise St + Radio Drive on "Tee" Hub		10.67	351.31	351.36 +0.05

Bliss
Isabell
Holbrook
3/27/25

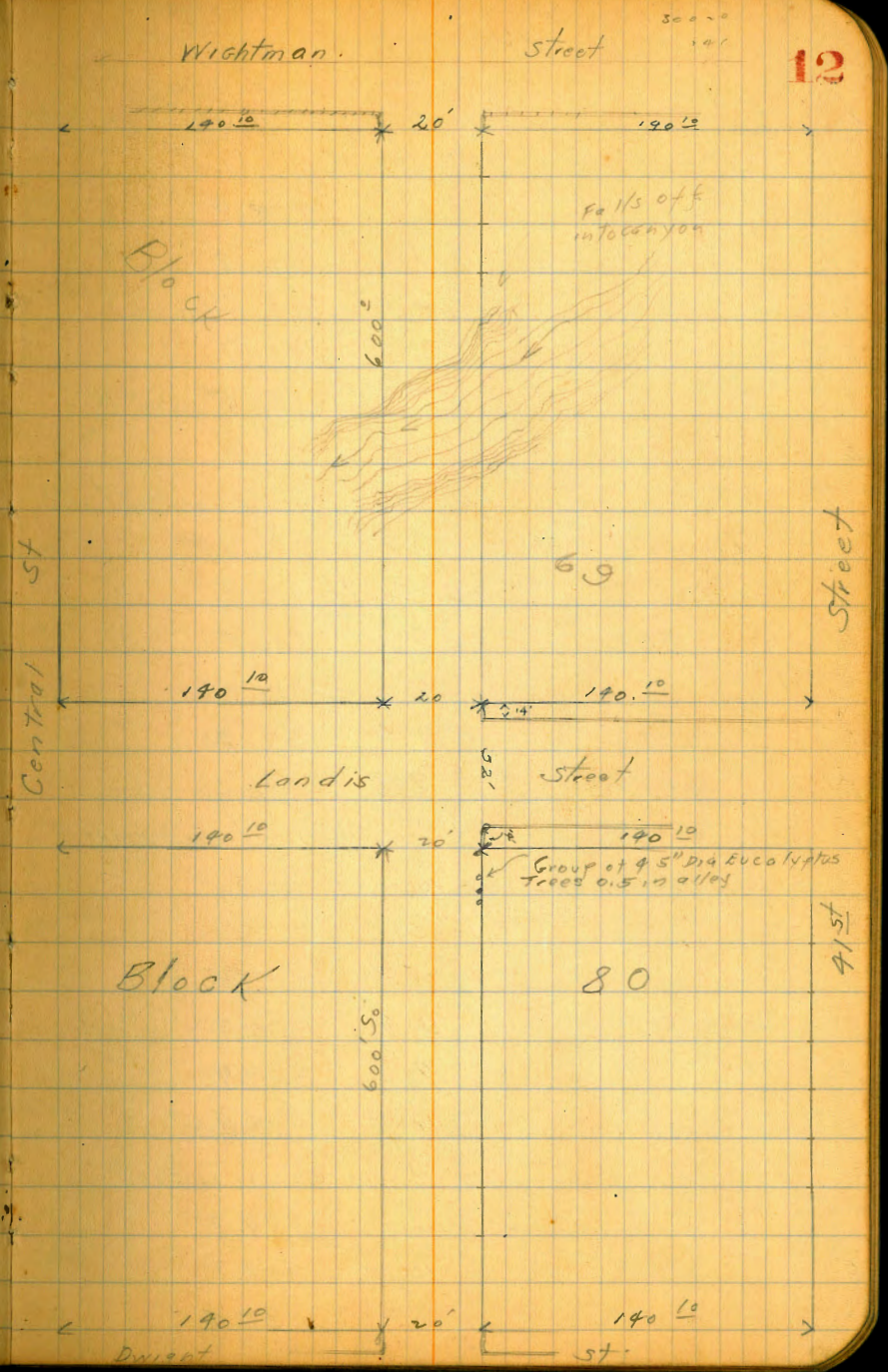
X Sections Alleys Blocks 69 80 9.6 to 8

125 City Hts Including levels on curb at curb line of streets between S Line of Wightman & the N Line of Redwood Central & 41st 20' Alley

BM NW Cor 41st & Wightman — 9.19 — 339.68 — — Elev 335.49

Top cb on Steel Line E side		1.53	338.15
" " " " " W side		0.93	338.75
	0+00 S Line of Wightman		
W Top cb		0.91	338.77
Gutter		1.7	338.0
+25		2.2	337.5
℄		2.0	337.7
Gutter		1.7	338.0
E Top cb		1.60	338.1
	05' South		
E		3.12	336.5
+7		2.7	338.0
℄		3.4	336.3
+8		2.9	336.8
W		1.6	338.1
	16' South		
W		4.0	335.7
+1		5.1	334.6
+4		5.6	334.1
℄		5.7	334.0
E		5.9	333.8
	30' S		
E		8.1	331.6
℄		7.5	332.2
+8		7.2	332.5

Plotted



	T 339.68		
		30' South	
W		5.1	334.6
		50' South	
W		6.8	332.9
11		8.0	331.7
℄		8.0	331.3
+3		8.6	331.1
+6		9.2	330.5
E		9.4	330.3
		72' South Dwelling on East	
	0.1 Back floor	8.93	330.75
		75' South	
E		9.2	330.50
℄		9.2	330.50
+7		8.9	330.80
W		9.1	330.60
		97' South Single Garage on East	
	2.6 Back Dirt floor	ctr 10.5	239.2
		100' S	
W		8.8	330.90
℄		9.4	330.30
+6		9.8	329.90
E		10.3	329.40
		105' S Single Garage on East	
	2.5 Back Dirt floor	ctr 10.5	329.2
E		10.0	329.7
+5		9.2	330.5

	T 339.68		
℄		9.1	330.6
+6		8.9	330.8
W		8.6	331.1
		121.50 S. Sewer Manhole & alley	
	on Rim	8.81	330.87
		132' South Dwelling on East	
	0.7 in alley floor	8.32	331.36
		135' S	
W		8.8	330.9
℄		9.2	330.5
+6		9.5	330.2
E		10.4	329.3
		155' South	
E		10.9	328.8
+3		10.3	329.4
℄		9.8	329.9
+9		9.1	330.6
W		9.1	330.6
		164' South Dwelling on East	
	0.4 in alley floor	10.07	329.61
		165' South Single Garage on West	
	2.2 Back Dirt floor	ctr 8.8	330.9
		172' South	
W		8.8	330.9
℄		10.1	329.6
+5		10.7	329.0

	339.68		
E		10.0	329.3
	182' South		
E		10.7	329.0
+4		11.1	328.6
℄		11.4	328.3
+7		10.0	329.7
W		9.0	330.7
	196' South		
W		9.7	330.0
+2		10.7	329.0
+4		11.2	328.5
℄		11.7	328.0
+4		12.0	327.7
E		11.5	328.2
	200' S		
E		11.9	327.8
+5		12.6	327.1
℄		11.7	328.0
+3		10.9	328.8
+7		11.3	328.4
W		10.6	329.1
	207' S		
W		11.7	328.0
℄		11.5	328.2
+8		12.5	327.2
E		13.3	326.4

	339.68			
TP	0.15	327.84	11.94	327.74
		216 South		
E			9.7	323.2
℄			3.0	324.9
+3			1.6	326.3
W			1.5	326.4
		225' S		
W			3.0	324.9
℄			5.5	322.4
+6			5.9	322.0
E			7.1	320.8
		235' South		
E			10.9	317.5
+5			8.6	319.3
℄			8.0	319.9
+6			7.0	320.9
W			5.6	322.3
		250' South		
W			5.7	318.2
+7			12.0	315.9
℄			12.3	315.6
+4			12.8	315.1 327.68 6.78
E			15.5	312.4 321.11
TP	12.05	333.16	6.78	321.11

* Note Because of canyon N & S sections were taken between 2750 and 4425

		333.16		
		425' South		
E			5.3	321.9
+2			5.9	327.3
℄			10.5	322.7
+1			11.1	322.1
+8			11.3	321.9
W			11.8	321.4
W+10			16.8	316.4
		445' S		
W-5			9.9	323.3
W			8.9	324.3
+7			6.0	327.2
℄			5.9	327.3
+1			9.9	328.3
E			0.2	333.0
T.P.	7.70	338.90	1.90	331.26
		63' South		
E			5.0	333.9
+5			5.4	333.5
℄			8.4	330.5
+5			9.1	329.8
+7			10.0	328.9
+7 Bottom			11.9	327.0
W			12.0	326.9
		466' South		
W			11.9	327.0
+3			11.8	327.1

		338.90		
+3 Top			9.5	329.4
+9			8.6	330.3
+7			8.5	330.4
℄			6.7	332.2
+4			5.3	333.6
E			4.8	334.1
		476' S. Dwelling on West		
	2. Back	floor	10.70	328.2
		479' S		
E			4.4	334.5
+4			5.5	333.4
℄			6.6	332.3
+7			8.0	330.9
+8			11.6	327.3
W			11.9	327.0
		480' S		
W			8.9	330.0
+4			7.6	331.3
℄			6.8	332.1 ✓
+3			5.3	333.6 ✓
E			4.5	334.4 ✓
		482' S		
E			4.4	334.5
+8			5.3	333.6
℄			6.5	332.4
+4			7.0	331.9

	338.90		
W		6.7	332.2
	500's		
W		6.6	332.3
+3		6.8	332.1
+8		6.2	332.7
℄		5.1	333.8
E		4.3	334.6
	525's		
E		4.1	334.8
℄		5.0	333.9
+2		5.3	333.6
W		5.7	333.2
	550's		
W		5.0	333.9
℄		4.6	334.3
+4		4.2	333.7
E		3.9	335.0
	575's		
E		3.5	335.4
+5		3.6	335.3
+8		4.4	334.5
℄		4.4	334.5
+8		4.2	334.5
W		4.3	334.6
	585's		
W		4.4	334.5

	338.90		
+5		5.1	333.8
℄		5.2	333.7
+4		4.4	334.5
+5		3.7	335.2
E		3.4	335.5
	597's		
E		2.9	336.0
+3		3.0	335.9
+4		7.1	331.8
+7		7.8	331.1
℄		8.0	330.9
+5		8.0	330.9
+7		6.8	332.1
W		6.4	332.5
	600's N. Line Lands		
W		7.5	331.4
+2		7.2	331.7
+3		8.4	330.5
℄		8.6	330.3
+6		8.6	330.3
E Top Cb		8.59	330.31
Top Cb on street Line E side		8.72	330.18

X-Sections Alley Block 80 City Hts
Between Landis + Dwight 41st + Central

Continued from Block 69 R16

338.90

0+00 S Line of Landis

Topcb on East side of street line	8.72	330.18
0+00 S Line Landis		
E Topcb	8.63	330.27
Gutter	8.2	330.7
+5	8.0	330.9
+6	8.3	330.6
℄	8.2	330.7
+4	8.2	330.7
+7	8.0	330.9
W	8.0	330.9
0+25		
W	5.1	333.8
+1	6.9	332.0
+6	7.7	331.2
℄	7.8	331.9
+4	7.5	331.4
+6	6.5	332.4
E	5.8	333.1
0+50		
E	2.9	336.5
+1	2.4	336.5
+3	4.8	334.1
+6	5.7	333.2
+7	6.6	332.3
℄	7.0	331.9

Plotted

338.90

0+50 S Line of Landis

+5	7.0	331.9
W	3.9	335.0
1+00		
W	3.0	335.9
+1	3.1	335.8
+4	4.8	334.1
℄	5.0	333.9
+4	4.5	334.4
+7	2.6	336.3
E	2.5	336.4
1+50		
E	2.9	336.0
+5	3.2	335.7
+7	3.5	335.4
℄	3.5	335.4
+1	3.4	335.5
+6	3.4	335.5
W	3.1	335.8
2+00		
W	3.1	335.8
℄	2.9	336.0
+4	3.1	335.8
E	3.0	335.9

51' South 12" Diameter Tree 0.6 in alley

35 South Tree 0.5 in alley

17

		338.90		
		75' South		
E			3.1	335.8
+4			2.8	336.1
℄			2.9	336.0
+6			3.0	335.9
W			3.2	335.7
		77' South Single Garage on West Dirt floor		
	1.1 Back	℄	3.1	335.8
T.P.	410	340.12	2.88	336.02
		100' S.		
W			4.3	335.8
℄			4.2	335.9
+5			3.9	336.2
E			4.2	335.9
		107' S. Single Garage on West		
	3.2 Back concrete lip	℄	4.25	335.67
		125' S		
E			4.2	335.9
+5			4.0	336.1
℄			4.2	335.9
W			4.2	335.9
		143' South Single Garage on West		
	Lip 3.3 Back	℄	3.95	336.17
		155' S		
W			4.1	336.0
℄			4.2	335.9
E			4.3	335.8

		340.12		
		165' South Dbl Garage on West Northend of lip		
	Lip - 3.9 Back Nend.		4.29	335.83
		165' So Single Garage on East		
	Lip 2.9 Back	℄	4.34	335.78
		175' South Send Dbl Garage on W		
	3.2 Back Send lip		4.60	335.5
		180' So.		
E			4.4	335.7
+5			4.7	335.4
℄			4.7	335.4
W			4.8	335.3
		187' South Single Garage on East		
	0.3 Back Dirt floor	℄	4.4	335.7
		200' So		
W			4.6	335.5
℄			4.7	335.4
+6			4.8	335.3
E			4.7	335.4
		205' So		
E			4.8	335.2
+6			4.5	335.6
℄			4.6	335.5
W			4.3	335.8
		225' So		
W			4.9	335.2

340.12

225 So

+6		4.9	335.2
℄		5.1	335.0
E		5.1	335.0

242 South Single Garage on East

E on line		5.2	334.9
℄		4.9	335.2
W		5.2	334.9

270 So

W		5.3	334.8
℄		5.2	334.9
E		5.0	335.1

300 So.

E		5.9	334.2
℄		5.9	334.2
W		5.8	334.3

320 South Single Garage on West

1.0 Back Dirt floor	ctr	5.7	334.4

323 So. Single Garage on East

4.2 Back concrete floor	ctr	5.79	334.33

325 South

IN		6.0	334.1
+5		6.2	333.9
℄		6.1	334.0
E		6.1	334.0

343 So. Single Garage on East

4.2 Back concrete floor	ctr	5.73	334.39

340.12

343 So. Single Garage on West

2.7 Back Dirt floor		6.2	333.9

350 So

E		6.3	333.8
+7		6.1	334.0
℄		6.2	333.9
W		6.2	333.9

354 So. Single Garage on East

4.3 Back concrete floor	ctr	5.71	334.41

360 So. Mn. Hole

on Rim		6.35	333.77

375 So

W		6.1	334.0
+3		6.0	334.1
℄		6.5	333.6
E		6.6	333.5

378 So. Single Garage on E

2.3 Back	ctr	6.5	333.6

400 So.

E		6.7	333.4
℄		6.6	333.5
W		6.7	333.4
TP 3.59	337.14	6.52	333.60

409 So Single Garage on E

4 Back concrete floor	ctr	3.28	333.86

337.14

	425 So.	
	3.6	333.5
W	3.7	333.4
℄	3.7	333.4
E		
	442' So Single Garage on W	
1.2 Back Dirt floor ct.	3.7	333.4
	464 So Single Garage on East	
3.9 Back Concrete ct.	3.93	333.71
	450 So.	
	3.8	333.3
E	3.9	333.2
℄	3.7	333.4
W		
	475' So	
	4.3	332.8
W	4.3	332.8
℄	4.3	332.8
E		
	488 So. Dbl. Garage on West	
0.4 Back Dirt floor ct.	4.5	332.6
	500' So.	
	4.5	332.6
E	4.3	332.8
℄	4.5	332.6
W		
	509' So. Single Garage on W	
Lip 0.4 in alley ct.	4.42	332.62
	525 So	
	4.8	332.3
W	4.7	332.4
℄		

337.14

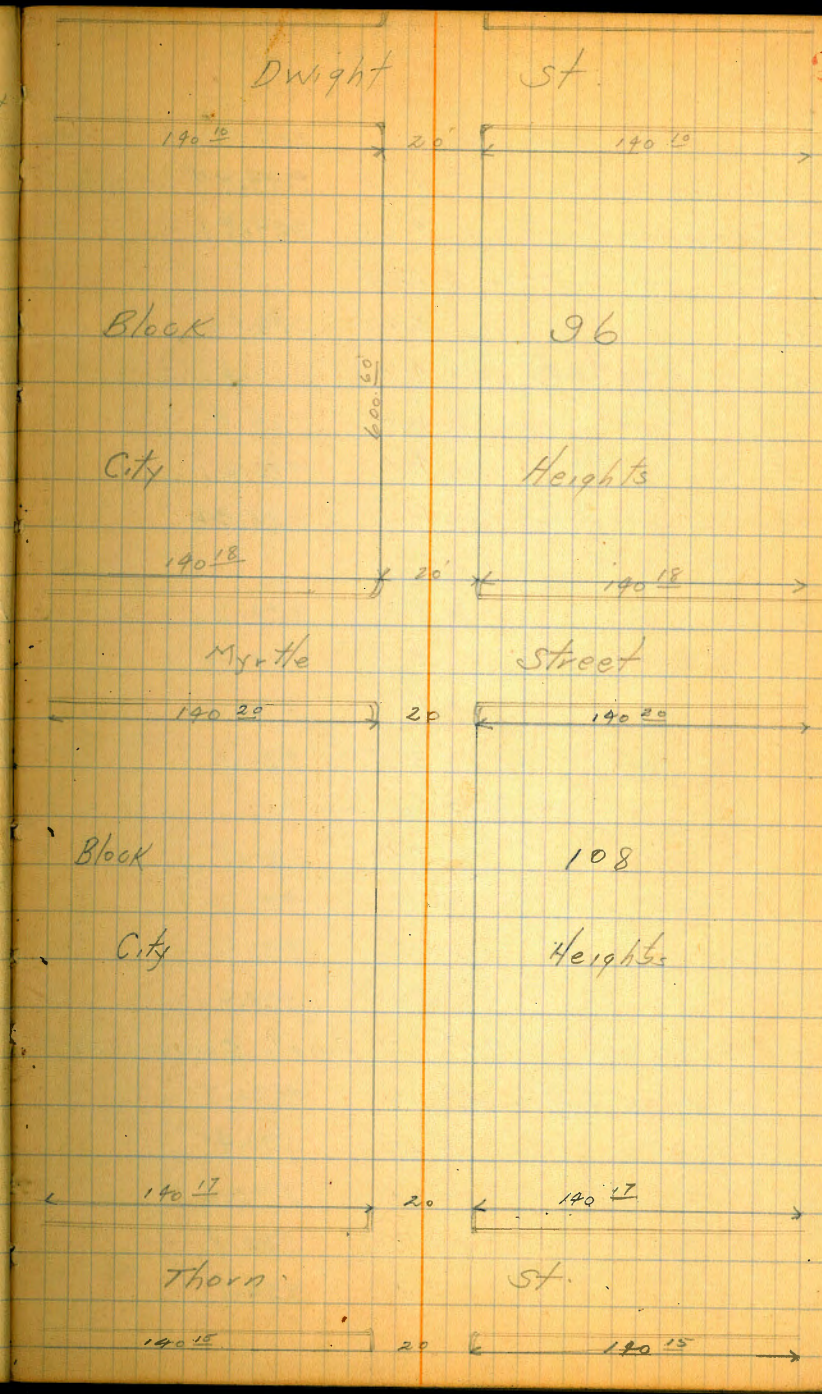
20

E	4.5	332.6
	536 So. Single Garage on W.	
Lip 0.4 in alley ct.	4.66	332.48
	550 So	
E	4.9	332.2
℄	5.1	332.0
W	5.0	332.1
	555 So. Single Garage on East	
1.4 Back Dirt floor ct.	5.1	332.0
	560 So	
W	5.2	331.9
℄	5.4	331.7
1.6	5.0	332.1
E	4.9	332.2
	585' South	
E	5.1	332.0
+9	5.2	331.9
+7	6.0	331.1
℄	6.1	331.0
W	5.6	331.5
	597' So.	
W	6.4	330.7
℄	6.7	330.4
+3	6.8	330.3
+7	5.8	331.5
E	5.5	331.6

337.14

600' South N. Line of Dwight

E Topcb	6.76	330.38
Gutter	6.8	330.3
K	6.9	330.2
Gutter	6.7	330.4
W Topcb	6.64	330.50
Topcb on st Line W	6.78	330.36
Topcb on st Line East	6.86	330.28
T.P.	6.68	330.46



X Sections Alley Block 96 City Hts

Between Dwight + Myrtle 41st & Central

Took off from Alley Block 88 Page 22

	359	334.05	330.96
E. Topcb. on street Line		4.18	329.87
W " " on street Line		4.24	329.81
	0+00 S. Line		
W Topcb		3.99	330.06
Gutter		4.0	330.1
℄		4.~	329.9
Gutter		4.1	330.0
E Topcb		4.11	329.94
	10' South		
E		3.8	330.3
℄		3.9	330.2
+ 4		4.1	330.0
W		3.5	330.6
	37' So		
W		3.4	330.7
℄		3.1	331.0
+ 4		3.1	331.0
E		3.5	330.6
	44' South Single Garage on East		
	8' Back. Dirt floor ft	3.8	330.3
E		3.7	330.4
+ 6		3.5	330.6
℄		3.3	330.8
W		3.3	330.8

Plotted

T

339.05

	55' South	
W	3.7	330.4
+ 3	4.0	330.1
℄	3.8	330.3
E	3.9	330.2
	58' South Single Garage on West	
9' Back concrete floor ft	3.90	330.7
	70' South	
E	4.0	330.1
+ 5	4.3	329.8
℄	4.1	330.0
W	4.1	330.0
	80' South	
W	4.3	329.8
+ 6	4.2	329.9
℄	4.4	329.7
+ 7	4.6	329.5
E	4.5	329.6
	100' South	
E	4.8	329.3
+ 4	4.6	329.5
℄	4.6	329.5
W	4.5	329.6
	125' So	
W	4.5	329.6
℄	4.8	329.3
E	4.8	329.3

	334.05		
	150' South		
E		5.0	329.1
+7		5.0	329.1
℄		5.2	328.9
W		4.8	329.3
	161' South Single Garage on West		
	8.1 Back concrete floor elv. 4.35		329.70
	177' South		
W		5.0	329.1
℄		4.9	329.2
E		4.9	329.2
	192' South Single Garage on West		
	8.2 Back Concrete floor elv. 4.48		329.57
	200' South		
E		4.7	329.4
℄		5.0	329.1
+5		5.2	328.9
W		5.1	329.0
	225' South		
W		5.6	328.5
+5		5.6	328.5
℄		5.6	328.5
E		5.3	328.8
	250' South		
E		5.7	328.4
+6		5.8	328.3
℄		6.2	327.9

	334.05		
W		5.8	328.3
	256' So. Single Garage on West		
	6.1 Back Dirt floor	5.8	328.3
	263' So.		
W		5.9	328.2
℄		6.3	327.8
+6		6.1	328.0
E		6.4	327.7
	275' So.		
E		6.3	327.8
+8		6.3	327.8
℄		6.5	327.6
W		6.2	327.9
	300' South		
W		6.5	327.6
℄		6.9	327.2
+5		6.7	327.4
E		7.0	327.1
	320' South Single Garage on West		
	6.9 Back Dirt floor	7.0	327.1
	325' South		
E		7.3	326.8
℄		7.2	326.9
W		7.3	326.8
	350' So.		
W		7.3	326.8

		334.05		
E			7.3	326.8
E			7.4	326.7
		370' So		
E			7.5	326.6
E			7.5	326.6
+7			7.8	326.3
W			7.6	326.5
		380' So		
W			7.8	326.3
E			7.7	326.4
+3			7.8	326.3
E			7.8	326.3
		400' South		
E			8.0	326.1
+5			7.7	326.4
E			7.8	326.3
W			7.8	326.3
TP	3.15	329.57	7.63	326.42
		408' South Single Garage on East		
	4.4 Back concrete floor ele.		3.35	326.22
		425' South		
W			3.3	326.3
E			3.5	326.1
+5			3.5	326.1
E			3.5	326.1

		329.57		
		443 South		
E			3.9	325.7
E			3.9	325.7
W			4.0	325.6
		449' So Single Garage on West		
	8.9 Back concrete floor		3.63	325.94
		458' South Single Garage on E		
W			3.9	325.7
E			4.2	325.4
E			4.1	325.5
	7.1 Back concrete floor ele.		3.89	325.73
		475' South		
E			4.3	325.3
E			4.1	325.5
W			4.3	325.3
		500' South		
W			4.5	325.1
E			4.4	325.2
E			4.6	325.0
		515' South		
E			4.7	324.9
E			4.6	325.0
+5			4.5	325.1
W			4.5	325.1
		530' South		
W			4.8	324.8
+5			4.9	325.2

329.57

℄		4.3	325.3
+5		4.3	325.3
E		4.5	325.1
	543' South Single Garage on East		
	2 ± Back Wood Floor, etc	4.8	325.29
	550' South		
E		4.9	324.7
+5		4.8	324.8
℄		4.9	324.7
+6		5.1	324.5
W		5.4	324.2
	570' South		
W		5.8	323.8
℄		5.8	323.8
E		5.7	323.9
	592' South		
E		6.1	323.5
℄		6.6	323.0
+7		6.5	323.1
W		6.4	323.2
	599' So.		
W		7.2	322.4
+3		7.4	322.2
℄		7.5	322.1
+5		7.1	322.5
E		6.9	322.7

329.57

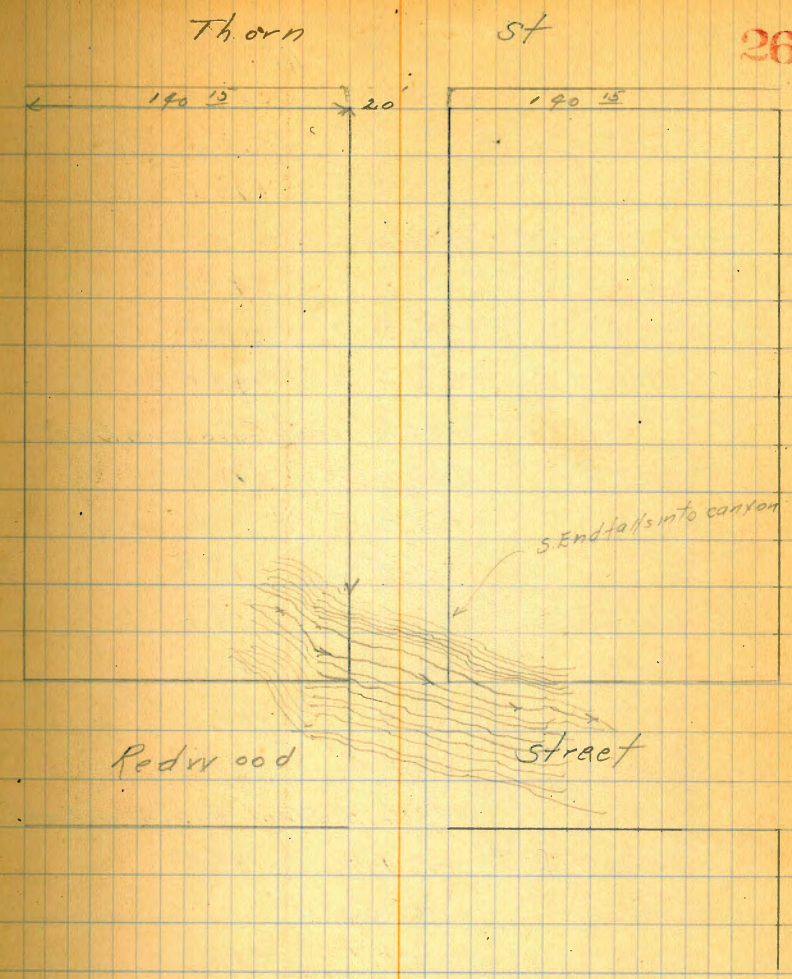
25

600.60 South N Line of N.Y. St.

E Topcb	8.16	321.41
Gutter	7.8	321.8
+6	7.7	321.9
℄	7.8	321.8
+6	7.9	321.7
Gutter	7.9	321.7
W. Topcb	8.18	321.39
W. Topcb on street Line	8.45	321.12
E Topcb on street Line	8.27	321.20
T.P.	8 54/64	321.03

X Sections Alley Block 108 City Heights

	+		
picked up Sta. 1+TP. Sta. Page 27	1.59	322.62	321.03
Topob on W. Street Line		1.88	320.74
Topob on E " "		1.78	320.84
		0+00 = S. Line of Myrtle	
E topob		1.79	320.83
Gutter	Plotted	1.7	320.9
℄		1.6	321.0
Gutter		1.6	321.0
W Topob		1.59	321.0
		14' South	
W		1.7	320.9
+6		1.2	321.4
℄		1.2	321.4
E		1.3	321.3
		20' South	
E		1.3	321.3
+9		1.3	321.3
℄		1.6	321.0
+5		1.5	321.1
W		1.7	320.9
		50's	
W		2.5	320.1
+5		2.3	320.3
℄		2.5	320.1
E		2.5	320.1



	322.62		
	80' South		
E		3.3	319.3
℄		3.5	319.1
W		3.5	319.1
	100' S.		
W		3.8	318.8
℄		3.7	318.9
E		3.8	318.8
	109' S. Single Garage on East		
Lip 4.3 Back	ctr	3.69	318.9
	125' South		
E		4.2	318.4
+5		4.0	318.6
℄		4.0	318.6
+4		4.3	318.3
W		4.4	318.2
	143' South Single Garage on East		
4.3 Back concrete floor	ctr	4.10	318.5
	150' South		
W		4.7	317.9
℄		4.4	318.2
+6		4.6	318.0
E		4.5	318.1
	160' South Single Garage on East		
Lip on Line	ctr	4.75	317.87
	175 South		
E		5.2	317.4

	322.62		
℄		5.0	317.6
+6		4.8	317.8
W		4.8	317.8
	200' South		
W		5.6	317.0
℄		5.4	317.2
E		5.5	317.1
	225' S		
E		5.8	316.8
+5		5.8	316.8
℄		5.5	317.1
+4		5.6	317.0
W		5.6	317.0
	245' South		
W		5.8	316.8
+5		5.9	316.7
℄		6.0	316.6
+5		6.0	316.6
E		6.0	316.6
	275' South		
E		6.2	316.4
℄		6.5	316.1
+6		6.2	316.4
W		6.3	316.3
	300' South		
W		6.6	316.0

322.62

+4		6.6	316.0
℄		6.9	315.7
E		6.6	316.0
	302'South. Walk on East		
	Walk 0.3 in alley	ctr 6.31	316.31
	325'South		
E		6.8	315.8
+4		7.1	315.5
℄		7.1	315.5
W		7.0	315.6
	350'South		
W		7.2	315.4
+6		7.3	315.3
℄		7.3	315.3
E		6.9	315.7
	380'South		
E		7.7	314.9
℄		7.2	315.4
+5		7.6	315.0
W		7.7	314.9
	400'S.		
W		8.1	314.5
℄		7.9	314.7
E		7.9	314.7
	425'S		
W		8.9	314.2

322.62

28

+5		8.9	314.2
℄		8.1	314.5
E		8.3	314.3
	443'South Single Garage on West		
	4' Back Concrete floor ctr	8.55	314.07
	447'South		
E		8.7	313.9
℄		8.8	313.8
W		8.8	313.8
T.P.	3.60	317.31 8.91	313.71
	South Single Garage on West		
	3.7 Back Dirt floor ctr	3.4	313.9
	475'S		
W		4.0	313.3
+5		3.9	313.4
℄		3.5	313.8
E		3.7	313.6
	500'South		
E		4.3	313.0
℄		4.1	313.2
W		4.3	313.0
	525'South		
W		4.3	313.0
+4		4.6	312.7
℄		4.5	312.8
+7		4.8	312.5

317.31

E	9.7	312.6
550'S		
E	4.9	312.4
℄	4.9	312.4
+3	4.9	312.4
+4	4.7	312.6
W	4.7	312.6
575'South		
W	5.3	312.0
+5	5.0	312.3
℄	5.4	311.9
+6	5.2	312.1
E	5.1	312.2
585'South		
E	5.3	312.0
+5	5.6	311.7
℄	6.1	311.2
+1	5.8	311.5
+4	5.6	311.7
+6	5.3	312.0
W	5.4	311.9
593'S		
W	5.3	312.0
+3	5.4	311.9
+6	7.0	310.3
℄	7.4	309.9

317.31

+3	7.3	310.0
+6	5.7	311.6
E	5.2	312.1
597'South		
E	6.1	311.2
+4	6.6	310.7
+6	7.6	309.7
℄	7.8	309.5
+4	7.7	309.6
+7	5.6	311.7
W	5.6	311.7
600'S N.Line of Thorn		
W.Topcb	9.02	308.3
Gutter	8.1	309.2
+5	8.3	309.0
℄	8.3	309.0
Gutter	8.1	309.2
E Top. c.b	8.69	308.6
E Topcb on street	8.90	308.4
W Topcb on street	9.39	307.9
T.P	9.77	307.54

X Sections Block 125 City Heights

Between Thorn & Redwood Central and 91st

See sketch page 20 From S Line of Thorn to 625' So.

Picked up Pott see page T.P. 29	4.29	311.83	307.54
W Top of on Street line		4.36	307.47
E Top of on Street Line		3.99	307.84
	0+00 = S line of Thorn		
E Top of		3.81	308.0
Gutter	Plotted	3.4	308.4
℄		3.4	308.4
Gutter		3.4	308.4
W Top of		4.09	307.7
	02' South		
W		1.6	310.2
+ 4		1.9	309.9
+ 6		3.1	308.7
℄		3.—	308.6
+ 4		3.1	308.7
+ 6		2.3	309.5
E		1.3	310.5
	15' South		
E		1.8	310.0
+ 3		1.7	310.1
℄		2.1	309.7
+ 4		2.1	309.7
T6		1.8	310.0
W		1.9	309.9
	30' South		
W		2.4	309.4

311.83

℄	1.8	310.0
+ 6	1.8	310.0
E	1.9	309.9
	40' South	
E	2.0	309.8
℄	2.0	309.8
+ 6	2.5	309.3
W	2.7	309.1
	55' South	
W	2.9	308.9
℄	2.8	309.0
E	2.5	309.3
	70' S.	
E	2.9	308.9
+ 5	3.3	308.5
℄	3.3	308.5
W	3.3	308.5
	85' South	
W	3.7	308.1
℄	3.7	308.1
E	3.4	308.4
	91' South Single Garage on East	
Lip 0.6 Back	Ctr 3.95	307.88
	100 South	
E	3.8	308.0
℄	3.8	308.0

+6		4.0	307.8
W		4.0	307.8
	125' South Single Garage on East		
W		4.5	307.3
℄		4.5	307.3
+6		4.2	307.6
E		4.2	307.6
	7.6 Back Dirtfloor ctr	3.9	307.9
	133' South Single Garage on West		
	4.1 Back Dirtfloor ctr	4.9	306.9
	144' South		
E		4.4	307.4
+8		4.7	307.1
℄		5.0	306.8
+3		5.0	306.8
+5		5.3	306.5
W		5.3	306.5
	156' South Single Garage on East		
W		5.6	306.2
℄		5.6	306.2
+6		5.3	306.5
E		4.7	307.1
	7.4 Back Dirtfloor ctr	4.7	307.1
	175' South		
E		5.6	306.2
+6		5.7	306.1
℄		5.8	306.00

+2		6.0	305.8
W		6.1	305.7
	200 South		
W		6.9	304.9
+9		6.6	305.2
℄		6.6	305.2
E		6.3	305.5
	206' South Single Garage on West		
	2.7 Back Dirtfloor ctr	7.0	304.8
	225' S		
E		7.4	304.4
℄		7.4	304.4
+3		7.6	304.2
W		7.6	304.2
	250' South		
W		8.3	303.5
℄		8.2	303.6
E		8.1	303.7
	275' South		
E		8.7	303.1
+6		8.8	303.0
℄		9.0	302.8
W		9.2	302.8
	300' South		
W		10.5	301.3
+7		10.1	301.7

T
311.83

	10.1	301.7
℄	9.8	302.0
E		

306' South Single Garage on East

0.5 Back Ditch on ℄	9.9	301.9

325' S

	10.9	301.4
E		
℄	10.9	300.9
W	11.2	300.6

350' South

	11.8	300.00
W		
℄	11.6	300.2
E	11.3	300.5

370' S

	11.9	299.9
E		
+4	12.2	299.6
℄	12.5	299.3
W	12.6	299.2
T.P 1.20	300.95 12.08	299.75

400'

	3.2	297.8
W		
+4	3.2	297.8
℄	3.1	297.9
H	2.9	298.1
E	2.3	298.7

425 South

E	3.5	297.5

T
300.95

℄	4.1	296.9
W	4.3	296.7

450 South

W	5.8	295.1
℄	5.9	295.1
+5	5.4	295.6
E	4.9	296.1

461 South Sewer Man Hole

on Rim	6.40	294.6

465' South

E	6.2	294.8
+5	6.5	294.5
℄	6.7	294.3
W	7.1	293.9

475' South

W	8.7	292.3
℄	8.0	293.0
+4	7.4	293.6
E	6.6	294.4

490' South

E	8.3	292.7
+4	9.6	291.4
℄	10.7	290.3
W	12.1	288.9

500' South

W	13.7	287.3

		↑ 300.95		
+ 4			12.7	288.3
℄			12.6	288.4
+ 5			12.1	288.9
+ 6			11.8	289.2
E			11.9	289.6
		525' South		
E			16.3	284.7
+ 7			17.3	283.7
℄			18.8	282.2
+ 3			18.9	282.1
W			20.8	280.2
T.P.	12 91	312.87	0:49	300 46
T P	7 89	315.93	4.83	308.04
T P	8 81	324.53	0.21	315.72
Check on BM NW Myrtle + 41st			3.06	321.47
				321.52 (05 error)

McHugh

33

X Sec' Evergreen Lowell To Oliphant

70' wide 15' cbs 10' gts

0+00 = E.L. Lowell

B.M.	Willow & Lowell S.W.BP.			52.26 ✓
T.P.	1.58	53.84'		
T.P.	007	40.84'	1307	40.77'
T.P.	3.02	32.33'	11.53	29.31'
0+00				
WL			2.6	29.73
cb			3.8	28.53
¼			4.2	28.1
℄			5.0	27.3
¼			5.2	27.1
cb			5.4	26.9
+3			5.4	26.9
+5			4.8	27.5
EL			5.2	27.1
0+50				
EL			5.9	26.4
cb			5.4	26.9
¼			5.5	26.8
℄			5.2	27.1
¼			5.2	27.1
cb			4.7	27.6
WL			4.2	28.1

0+98 = ℄ 2' walk on west

32.38

WL	4.62	27.71
cb	5.04	27.29
+9.5 : End of Walk	5.27	27.06
¼	5.3	27.0
℄	5.3	27.0
¼	5.9	26.4
cb	5.8	26.5
EL	6.2	26.1
1+50		
EL	5.5	26.8
cb	5.4	26.9
¼	5.4	26.9
℄	5.0	27.3
¼	5.0	27.3
cb	4.8	27.5
NL	4.7	27.6
2+00 S.L. MacCauley		
WL	3.6	28.7
cb	3.9	28.4
¼	3.9	28.4
℄	3.7	28.6
¼	4.2	28.1
cb	4.7	27.6
EL	5.1	27.2
CURB		
EL	4.8	27.5

32.33

34

cb	4.7	27.6
¼	3.7	28.6
℄	3.2	29.1
¼	3.3	29.0
cb	3.4	28.8
WL	3.4	28.9
Quarter		
WL	1.9	30.4
cb	2.2	30.1
¼	2.5	29.8
℄	2.8	29.5
¼	3.1	29.2
cb	3.4	28.9
EL	3.7	28.6
Center		
EL	3.9	28.4
cb	3.5	28.8
¼	3.0	29.3
+8	2.7	29.6
+9	4.5	27.8
¼	4.7	27.6
+4	4.4	27.9
+5	2.7	29.6
cb	2.5	29.8
WL	1.6	30.7
Quarter		

32.33

W.L.		2.6	29.7
cb		4.3	28.0
¼		4.9	27.4
+5		2.5	29.5
℄		3.1	29.2
¼		3.3	29.0
cb		3.5	28.8
E L		4.1	28.2

Curb = S End of 12' Bridge across ditch

EL		12.5	19.8
cb		12.0	20.3
¼		11.3	21.0
℄		10.8	21.5
¼		10.3	22.0
cb		10.5	21.8
W L		10.2	22.1

Curb + 12

WL		9.5	22.8
cb		10.1	22.2
¼		10.7	21.6
℄		11.0	21.3
¼		11.7	20.6
cb		10.8	21.5
E L		12.0	20.3

0+00 = N.L MacCauley = N End Bridge

EL		5.0	27.3

32.33

cb		4.0	28.3
¼		3.7	28.6
℄		3.3	29.0
¼		3.1	29.2
+1		2.5	28.8
cb		2.7	29.6
WL		2.2	30.1
T.P.	11.96	42.39	1.90 30.43

0+50

WL		10.1	32.3
cb		11.3	31.1
¼		11.4	31.0
℄		11.6	30.8
¼		12.2	30.2
cb		12.2	30.2
EL		12.9	29.5

1+00 = ℄ garage on west (wood floor)

EL		11.8	30.6
cb		11.1	31.3
¼		10.7	31.7
℄		10.1	32.3
¼		9.5	32.9
cb		8.6	33.8
WL		8.3	34.1

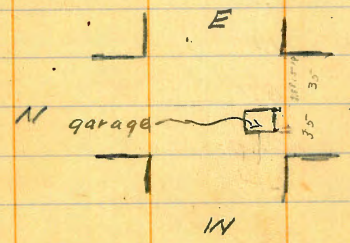
1+50

WL		4.3	38.1
cb		5.5	36.9

42.39

¼		6.6	35.8	
℄		7.6	34.8	
¼		8.2	34.2	
cb		8.9	33.5	
EL		10.1	32.3	
2+00 = S.L. Newell St.				
EL		8.2	34.2	33.4
cb		6.4	36.0	35.2
¼		5.1	37.3	36.5
℄		3.9	38.5	37.7
¼		3.2	39.2	38.4
cb		1.3	41.1	40.3
T.P	12.46	53.61	1.24	41.15
W.L.			10.0	43.6	42.8

S.L. Newell + 1.5' = S. End of 12'x18' garage
S.E. corner = ℄ +1 S.W. corner = ¼ +3



Curb

WL		8.0	45.6	44.8
cb		10.8	42.8	42.0
+7 = W side of garage		12.6	41.0	40.2

53.6

¼ (in garage)			
+9 = E side of garage	14.0	39.6	38.8
℄	14.0	39.6	38.8
¼	15.1	38.5	37.7
cb	16.6	37.0	36.2
EL	18.7	34.9	34.1
Quarter			
EL	17.9	35.7	34.9
cb	15.4	38.2	37.4
¼	14.3	39.3	38.5
℄	13.0	40.6	39.8
¼	11.3	42.3	41.5
cb	9.7	43.9	43.1
WL	5.7	47.9	47.1
Center			
WL	3.9	49.7	48.9
cb	6.8	46.8	46.0
¼	9.0	44.6	43.8
℄	10.7	42.9	42.1
¼	12.3	41.3	40.5
cb	14.2	39.4	38.6
EL	16.5	37.1	36.3
Quarter			
EL	17.5	36.1	35.3
cb	14.3	39.3	38.5
¼	12.4	41.2	40.4

53.6

℄			10.7	42.9	42.1
¼			8.6	45.0	44.2
cb			6.1	47.5	46.7
WL			2.4	51.2	50.4
Curb					
WL			0.3	53.3	52.5
cb			3.8	49.8	49.0
¼			6.8	46.8	46.0
℄			8.3	45.3	44.5
¼			10.4	43.2	42.4
cb			12.4	41.2	40.4
EL			16.2	37.4	36.6
0+00	N.L. Newell				
EL			14.4	39.2	38.4
cb			11.1	42.5	41.7
¼			8.4	45.2	44.4
℄			6.3	47.3	46.5
¼			4.0	49.6	48.8
cb			1.3	52.3	51.5
T.P.	12.37	65.98	0.00	53.61	
WL			8.2	57.8	57.0
0+50					
WL			1.8	64.2	
+10			1.5	64.5	
cb			4.2	61.8	
¼			6.7	59.3	

65.98
66.00

℄			9.2	56.8
¼			12.2	53.8
cb			15.0	51.0
EL			19.8	46.2
1+00				
EL			12.6	53.4
cb			7.9	58.1
¼			4.9	61.1
℄			1.9	64.1
T.P.	12.67	78.61	0.04	65.94
¼			11.3	67.3
cb			8.3	70.3
+5			5.7	72.9
WL			6.1	72.5
1+50				
T.P.	12.72	91.09 91.1	0.24	78.37
WL			10.7	80.4
+10			10.7	80.4
cb			13.1	78.0
+2			14.7	76.4
¼			17.0	74.1
℄			19.9	71.2
¼			22.5	68.6
cb			25.7	65.4
EL			31.1	60.0

2+00 = S.L. Oliphant

91.1

EL			24.2	64.9
cb			19.7	71.4
¼			16.9	74.2
℄			13.6	77.5
¼			8.8	82.3
cb			4.6	86.5
WL			3.7	87.4

X Sec Newell Evergreen to Willow

T.P.	12.42	66.03	53.61

0+00 = WL Evergreen

0+00 = NL Evergreen

N.L.	8.0	58.0
cb	11.6	53.4
¼	15.2	50.8
℄	16.0	50.0
+5	15.6	50.4
¼	17.1	48.9
cb	19.5	46.5
SL	22.2	43.8
0+25		
S.L.	17.2	48.8
cb	14.2	51.8
¼	10.4	55.6
℄	10.6	55.4
+5	10.6	55.4
¼	8.3	57.7

66.03

cb			3.5	62.5
NL			2.7	63.3
T.P.	12.92	78.24	0.71	65.32
0+75				
NL			3.2	75.0
+3			3.6	74.6
+5			8.2	70.0
cb			8.9	69.3
¼			9.4	68.8
℄			11.4	66.8
¼			11.6	66.6
cb			15.4	61.8
SL			19.9	58.3
1+25				
SL			12.2	66.0
cb			8.2	70.0
¼			5.4	72.8
℄			5.1	73.1
¼			4.9	73.3
cb			3.9	74.3
+10	2.7			80.9
WL	3.0			81.2
1+75				
WL	7.0			85.2
+5	5.6			83.8
cb			1.5	76.7

		78.24	
¼		2.1	76.1
℄		2.6	75.6
¼		2.9	75.3
+3		2.9	75.3
cb		6.8	71.4
SL		12.5	65.7
2+25			
S.L.		16.3	61.9
cb		9.6	68.6
¼		4.2	74.0
℄		2.2	76.0
¼		1.9	76.3
cb		1.5	76.7
+8		0.5	77.7
+12	3.8		82.0
NL	5.8		84.0
2+75			
NL		0.8	77.4
cb		2.4	75.8
¼		7.8	70.4
℄		11.8	66.4
¼		15.2	63.0
cb		18.5	59.7
SL		23.6	54.6
3+00 = EL WILLOW			
SL		26.4	51.8

cb		21.1	57.1
¼		17.8	60.4
℄		13.5	64.7
¼		10.5	67.7
cb		8.6	69.6
NL		4.4	73.8

X Sec NEWELL Evergreen To Rosecrans.

T.P.	0.76	41.91	41.15	{T.P. Newell + Evergreen
0+00 = EL Evergreen				Elevations '76 Datum
SL		7.7	34.2	33.4
cb		7.0	34.9	34.1
¼		6.2	35.7	34.9
℄		4.9	37.0	36.2
¼		5.7	36.2	35.4
cb		4.2	37.7	36.9
NL		2.6	39.3	38.5
0+50				
NL		9.8	32.1	31.3
cb		10.8	31.1	30.3
¼		11.4	30.5	29.7
℄		11.3	30.6	29.8
¼		11.7	30.2	29.4
cb		12.0	29.9	29.1
SL		12.0	29.9	29.1
T.P.	0.05	29.08	12.88	29.03
1+00				

Plotted 4/14/28 TH

Hardage Engineer Rosecrans T&H 6/7/28

See page 46

59.1

SL	1.6	27.5	26.7
cb	2.1	27.0	26.2
¼	2.3	26.8	26.0
℄	1.7	27.4	26.6
¼	1.5	27.6	26.8
cb	1.2	27.9	27.1
NL.	1.4	27.7	26.9
1+50			
NL	4.5	24.6	23.8
cb	4.7	24.4	23.6
¼	4.8	24.3	23.5
℄	4.5	24.6	23.8
¼	4.2	24.9	24.1
cb	4.0	25.1	24.3
SL	3.9	25.2	24.4
2+00			
SL	6.0	23.1	22.3
cb	5.8	23.3	22.5
¼	5.7	23.4	22.6
℄	6.4	22.7	21.9
¼	6.3	22.8	22.0
cb	6.4	22.7	21.9
NL	6.4	22.7	21.9
2+50			
NL	8.4	20.7	19.9
cb	8.4	20.7	19.9

¼	8.2	20.9	20.1
℄	8.3	20.8	20.0
¼	8.4	20.7	19.9
cb	8.6	20.5	19.7
SL	8.4	20.7	19.9
3+00 = WL Locast			
SL	11.0	18.1	17.5
cb	10.7	18.4	17.6
¼	10.8	18.3	17.5
℄	10.8	18.3	17.5
¼	11.0	18.1	17.3
cb	11.1	18.0	17.2
NL	11.2	17.9	17.1
0+00 - EL Locast			
T.P.	0.93	17.37	12.64	16.44
NL	2.0	15.4	14.6
cb	2.1	15.3	14.5
¼	2.1	15.3	14.5
℄	2.4	15.0	14.2
¼	2.4	15.0	14.2
cb	2.2	15.2	14.4
SL	2.0	15.4	14.6
0+50			
SL	3.9	13.5	12.7
cb	3.7	13.7	12.9
¼	4.0	13.4	12.6

17.4

℄		4.1	13.3	125
¼		3.7	13.7	129
cb		3.5	13.9	131
NL		3.7	13.7	129
1+05	= ℄ Ribbon drive on North			
NL	on concrete	4.45	12.92	
+2	on End of Ribbon	4.64	12.73	11.9
cb		5.1	12.3	11.5
¼		5.2	12.2	11.4
℄		5.3	12.1	11.3
¼		5.6	11.8	11.0
cb		5.1	12.3	11.5
SL		5.1	12.3	11.5
1+50				
SL		6.0	11.4	106
cb		6.3	11.1	103
¼		6.5	10.9	10.1
℄		6.1	11.3	105
¼		6.2	11.2	10.4
cb		6.0	11.4	10.6
NL		5.8	11.6	10.8
2+00				
NL		7.1	10.3	95
cb		6.9	10.5	9.7
¼		7.0	10.4	96
℄		6.9	10.5	97

1737

17.4

41

¼	7.0	10.4	96
cb	7.1	10.3	95
SL	6.8	10.6	98
2+50			
SL	7.0	10.4	96
cb	7.2	10.2	94
¼	7.4	10.0	92
℄	7.4	10.0	92
¼	7.4	10.0	92
cb	7.4	10.0	92
NL	7.4	10.0	92
3+00 = NL Rosecrans			
NL	7.9	9.5	87
cb	7.9	9.5	87
¼	7.6	9.8	90
℄	7.4	10.0	92
¼	7.2	10.2	94
cb	7.5	9.9	91
SL	6.8	10.6	98
NL Rosecrans + 23.35 = Edge paving			
SL	8.45	8.92	
cb	8.62	8.75	
¼	8.79	8.58	
℄	8.90	8.47	
¼	9.02	8.35	
cb	9.20	8.17	
NL	9.40	7.97	

T.P.	7.15	23.59	16.44	{T.P. Newell / & Locast

X Sec Locast Lowell to Oliphant

0+00 = NL Lowell

2+00 = SL Oliphant

Plotted 1.18 D.H.

WL	7.4	16.2
cb	7.6	16.0
¼	8.2	15.4
℄	8.6	15.0
¼	8.5	15.1
cb	8.7	14.9
EL	9.0	14.6
1+50		
EL	8.6	15.0
cb	8.4	15.2
¼	7.9	15.7
℄	7.6	16.0
¼	7.4	16.2
cb	6.9	16.7
WL	6.7	16.9
1+00		
WL	6.2	17.4
cb	6.3	17.3
¼	6.7	16.9
℄	6.9	16.7
¼	7.2	16.4
cb	7.5	16.1

23.6

EL	7.9	15.7
0+50		
EL	7.3	16.3
cb	7.0	16.6
¼	6.7	16.9
℄	6.2	17.4
¼	6.1	17.5
cb	5.9	17.7
WL	5.7	17.9
0+00 = NL Newell		
WL	5.6	18.0
cb	5.9	17.7
¼	6.3	17.3
℄	6.5	17.1
¼	6.6	17.0
cb	7.1	16.5
EL	8.1	15.5
Curb		
EL	8.3	15.3
cb	7.7	15.9
¼	7.3	16.3
℄	7.0	16.6
¼	6.6	17.0
cb	6.2	17.4
WL	5.6	18.0
Quarter		

23.6

WL	5.4	18.2
cb	6.3	17.3
¼	6.7	16.9
℄	7.3	16.3
¼	7.7	15.9
cb	7.9	15.7
EL	8.5	15.1
Center		
EL	8.5	15.1
cb	8.0	15.6
¼	7.6	16.0
℄	7.2	16.4
¼	6.7	16.9
cb	6.4	17.2
WL	5.3	18.3
Quarter		
WL	5.3	18.3
cb	6.1	17.5
¼	6.7	16.9
℄	7.1	16.5
¼	7.4	16.2
cb	7.8	15.8
EL	8.5	15.1
Curb		
EL	8.3	15.3
cb	7.7	15.9

23.6

43

¼	7.4	16.2
℄	6.9	16.7
¼	6.6	17.0
cb	6.3	17.3
WL	5.3	18.3
2+00 20° = SL Newell		
WL	5.4	18.2
cb	6.2	17.4
¼	6.5	17.1
℄	6.7	16.9
¼	7.2	16.4
cb	7.7	15.9
EL	8.2	15.4
1+50		
EL	7.9	15.7
cb	7.3	16.3
¼	7.0	16.6
℄	6.7	16.9
¼	6.4	17.2
cb	6.1	17.5
WL	5.1	18.5
1+00		
WL	4.2	19.4
cb	5.0	18.6
¼	5.9	17.7
℄	6.0	17.6

23.6

¼	6.2	17.4
cb	6.4	17.2
EL	6.8	16.8
0+50		
EL	5.4	18.2
cb	5.1	18.5
¼	4.9	18.7
℄	4.9	18.7
¼	4.8	18.8
cb	4.5	19.1
WL	3.8	19.8
0+07½		
WL	2.9	20.7
cb	3.3	20.3
¼	3.4	20.2
℄	3.8	19.8
¼	4.1	19.5
cb	4.3	19.3
EL	4.8	18.8
0+00 = NL	MacCauley	
EL	4.7	18.9
cb	4.3	19.3
+5	4.2	19.4
¼	7.5	16.1
℄	8.1	15.5
+7	8.3	15.3

23.6

11

¼	10.5	13.1
cb	10.6	13.0
WL	9.7	13.9
+10		
WL	9.8	13.8
cb	9.6	14.0
¼	9.7	13.9
℄	10.8	12.8
¼	10.9	12.7
cb	10.4	13.2
EL	10.1	13.5
Curb		
EL	11.3	12.3
cb	11.0	12.6
¼	10.5	13.1
℄	9.8	13.8
¼	9.5	14.1
+6	9.3	14.3
+7	6.6	17.0
cb	6.3	17.3
WL	5.0	18.6
Quarter		
WL	2.8	20.8
cb	3.4	20.2
¼	4.0	19.6
℄	4.4	19.2

23.6

¼	4.7	18.9
cb	5.1	18.5
EL	5.6	18.0
Center		
EL	6.0	17.6
cb	5.8	17.8
¼	5.4	18.2
℄	5.1	18.5
¼	4.8	18.8
cb	4.5	19.1
WL	4.1	19.5
Quarter		
WL	4.3	19.3
cb	5.0	18.6
¼	5.3	18.3
℄	5.5	18.1
¼	5.7	17.9
cb	6.0	17.6
EL	6.4	17.2
Carb		
EL	6.4	17.2
cb	6.0	17.6
¼	5.5	18.1
℄	5.3	18.3
¼	5.0	18.6
cb	4.5	19.1

23.6

45

WL	3.2	20.4
2400 = SL MacCauley		
WL	3.3	20.3
+5	3.2	20.4
cb	4.8	18.8
¼	4.9	18.7
℄	5.1	18.5
¼	5.4	18.2
cb	6.0	17.6
EL	6.4	17.2
1+83		
EL	6.4	17.2
cb	5.8	17.8
¼	5.3	18.3
℄	5.3	18.3
¼	5.1	18.5
cb	4.8	18.8
WL	3.3	20.3
1+66		
WL	3.7	19.9
cb	4.5	19.1
¼	5.7	17.9
℄	7.5	16.1
¼	8.6	15.0
cb	9.0	14.6
EL	8.2	15.4

		23.6		
1+46				
EL			5.0	18.6
cb			4.8	18.8
¼			4.5	19.1
℄			4.5	19.1
¼			5.3	18.3
+3			5.5	18.1
cb			7.3	16.3
WL			7.9	15.7
1+40				
WL			5.0	18.6
cb			4.7	18.9
¼			4.5	19.1
℄			4.3	19.3
¼			4.3	19.3
cb			4.8	18.8
EL			4.9	18.7
T.P.	2.18	21.00 20.97	4.80	18.79
0+50				
EL			2.8	18.2
cb			2.5	18.5
¼			2.6	18.4
℄			2.4	18.6
¼			1.8	19.2
cb			2.0	19.0
WL			1.4	19.6

20.97
21.00

0+00 = NL Lowell

WL	2.3	18.7
cb	2.4	18.6
¼	3.3	17.7
℄	3.3	17.7
¼	3.5	17.5
cb	3.5	17.5
EL	3.8	17.2
T.P.	12.41	

8.56
B.M. Rosecrans + Lowell B.P. 8.06
.50
No bueno por nada

T.P.	12.00	32.69	0.28	20.69
T.P.	12.63	45.24	0.08	32.61
T.P.	11.38	56.25	0.37	44.87
TP			4.07	52.18

B.M. S.W.B.P. Willow + Lowell 52.26
.08

check between bench used + B.M. should have used
B.M. used 5.24
True elevation 4.98

0.76 = error in all elevations

Bliss
Isbell
Dervvitt
4'30 1/2

BM NW.B.P 1st Wightman = 41

X Sections of Alley Block 69

City Atty from a point 250'S. of the S line of Wightman to a point 175' N of N line of Landis

20' Alley

				Elev
	479	340.28		335.49
TP	0.30	328.03	12.55	327.73
TP	0.70	315.65	13.08	314.95

2505. Taken on original x sec on alley

262' S

E-10		6.9	308.8
E		4.5	311.2
℄		2.7	313.0
W		0.6	315.1

280' S.

W-5		3.5	312.2
W		5.7	310.0
W-8.1	℄ Sewer exposed	6.32	309.38
℄		7.3	308.4
E		7.6	308.1
E+10		7.5	308.2

300' S

E-10		7.5	308.2
E		8.2	307.5
℄		8.4	307.3
+2 ℄	exposed sewer	7.28	308.4
W1		8.3	307.4
+5		8.3	307.4
+10		5.6	310.1

317' S

W-10		7.8	307.9
W		8.9	306.8

X 315.65

47

℄		8.4	307.3
E		8.4	307.3
E+10		8.1	Toesbase 307.6

345' S

E-10		4.0	311.7
E		7.5	308.2
℄		7.8	307.9
℄		9.0	306.7
W		9.0	306.7
W+10		9.2	306.5

350' S ℄ sewer Mn Hole

℄ 2.5 West of Alley ℄ Rim 8.21 309.4

368' S

W-10		10.9	305.3
W		10.0	305.7
W+5		9.5	306.2
℄		8.8	306.9
+5		6.8	308.9
E		5.0	310.7

382'

E		1.3	314.4
+5		3.5	312.2
℄		5.0	310.3
+2		5.7	310.0
+5		7.0	308.7
+8		8.7	307.0

		315.65		
W			9.5	306.2
W+10			10.3	305.4
		395's		
W-10			10.5	305.2
W			7.7	308.0
W+2			6.9	308.8
+5			4.2	311.5
+8			2.6	313.1
E			2.1	313.6
T.P.	12.87	325.93	2.59	313.06
+2			11.3	314.6
+7			8.7	317.2
E			6.8	319.1
		407's		
E			3.6	322.3
+3			5.1	320.8
+7			7.3	318.6
E			9.3	316.6
+2			9.7	316.2
+5			11.5	314.4
+8			12.5	313.4
W			14.2	311.7
+10			20.2	305.7
+20			21.5	304.4
		425's Sec 4	Taken on original X Sec.	
T.P.	11.74	334.48	3.19	322.79

		334.48		
T.P.	5.21	338.86	0.83	333.65
Check on E 4 1/4 Ret Turn on st line N Line Lands			8.60	330.26
T.P.				

0.08 Error

X-Section Dwight St. from E.L. Alley East to E.L. 38th Street. 80' - 14' S.W. 13' Quarters

JAEGER, Bailey, Clarert } June 23rd 1918.

Sta.	+	H.I.	-	Elev.
BM. NW. B.P. 37th & Dwight				319.99
	3.26	323.25		
0+00 E.L. Alley				
N.L.			1.6	321.7
+2'			2.3	3210
+2.5			3.2	320.1
N. Curb			3.8	319.5
N 1/4			3.7	319.6
℄			4.7	3186
S 1/4			4.9	3184
S. Curb			5.3	318.0
S.L.			4.0	3193
0+50				
N.L.			1.30	3220
N. Curb			2.4	320.9
N 1/4			2.8	3205
℄			4.0	3193
S 1/4			4.9	318.4
S. Curb			5.1	318.2
+10'			4.5	318.8
S.L.			3.5	319.8
1+00				
N.L.			1.4	321.9
N. Curb			3.0	320.3

323.25

STA		+	H.I.	−	Elev.
	N'/a			3.5	319.8
	℄			3.8	319.5
	S'/a			4.0	319.3
	S. Curb			4.3	319.0
	S.L.			4.5	318.8
1+40	W.L. 38th				
	N.L.			3.2	320.1
	N. Curb			3.8	319.5
	N'/a			4.2	319.1
	℄			5.3	318.0
	S'/a			6.1	317.2
	S. Curb			6.8	316.5
	S.L.			8.3	315.0
1+54	W. Curb 38th				
	N.L.			4.5	318.8
	+14'			5.4	317.9
	N'/a			5.7	317.6
	℄			6.6	316.7
	S'/a			7.7	315.6
	+13'			8.7	314.6
	S.L.			9.9	313.4
1+69	W'/a 38th				
	S.L.			12.8	310.5
	+14'			11.2	312.1
	S'/a			9.9	313.4

Sta		+	H.I.	−	Elev.
	℄		323.25	8.8	314.5
	N'/4			7.9	315.4
	+13'			7.1	316.2
	N.L.			5.6	317.7
1+80	℄ 38th Str.				
	N.L.			7.6	315.7
	+14'			8.4	314.9
	N'/4			9.8	313.5
	℄			11.0	312.3
	S'/4			12.3	311.0
	+13'			13.8	309.5
	S.L.			15.0	308.3
	T.P.			12.03	311.22 ✓
		5.18	316.40		
1+93	E'/4 38th				
	S.L.			10.0	306.4
	+14'			9.0	307.4
	S'/4			7.9	308.5
	℄			7.2	309.2
	N'/4			6.3	310.1
	+13'			5.2	311.2
	N.L.			3.4	313.0
2+06	E. Curb 38th				
	N.L.			5.4	311.0
	+14'			6.5	309.9

Sta		+	H.I.	−	Elev.
	N'/4		316.40	7.5	308.9
	℄			8.5	3079
	S'/4			9.8	306.6
	+13'			11.3	305.1
	S.L.			13.2	303.2
2+20	E.L.	38th			
	S.L.			15.8	300.6
	+14'			14.0	302.4
	S'/4			12.6	303.8
	℄			11.0	305.4
	N'/4			8.6	307.8
	+13'			9.0	307.4
	N.L.			8.0	308.4
	38th 100' North from N.L. Dwight				
	BM.				319.99
		5.41	325.40		
0+00	N.L.	Dwight			
0+50					
	W.L. 38th			3.3	3221
	+14'			3.8	321.6
	W'/4			4.5	3209
	℄			5.1	320.3
	E'/4			6.2	319.2
	+13'			9.3	316.1

Sta	+	H.I.	−	Elev.
E.L. 38th		325.4	11.0	314.4
1+00				
W.L. 38th			0.8	324.6
+14'			1.7	323.7
W¼			2.0	323.4
℄			2.5	322.9
E¼			3.2	322.2
+13'			4.4	321.0
E.L. 38th			6.5	318.9

38th 100' South from S.L. Dwight

T.P. Page 51 311.22 ✓

1.65 312.87

0+00	S.L. Dwight			
0+50				
W.L. 38th			2.0	310.9
+14'			4.4	308.5
W¼			7.1	305.8
℄			10.0	302.9
E¼			13.1	299.8
+13'			16.3	296.6
E.L. 38th			20.8	292.1
1+00				
W.L. 38th			6.2	306.7
+14'			8.2	304.7

Sta	+	H.I.	−	Elev.
		312.87		
W¼ T.P.			12.0	300.87
Head Level	0.0	300.87		
℄			3.5	297.4
E¼			6.5	294.4
+13'			11.2	289.7
E.L. 38th			14.6	286.3
(con't 38th South)				
B.M.	0.90	320.89		319.99
T.P.x		0.45		320.44
T.P.	0.39	308.30	12.98	307.91
1+25				
E.L.			24.2	284.1
cb			21.4	286.9
¼			17.5	290.8
℄			13.7	294.6
¼			11.4	296.9
cb			8.0	300.3
+5			6.4	301.9
+10			5.0	303.3
w.L.			5.0	303.3
1+50				
w.L.			7.8	300.5
+7			9.4	298.9
cb			11.0	297.3
+3			12.0	296.3
¼			13.6	294.7

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London.

13.0

1+50	308.30		
w¼ +5		14.1	294.2
℄		17.3	291.0
+10		19.7	288.6
+11		20.5	287.8
¼		21.3	287.0
cb		24.2	284.1
E.L.		27.5	280.8
1+75			
E.L.		31.5	
cb		27.9	280.4
¼		24.7	283.6
48		22.8	285.5
℄		21.2	287.1
+8		18.8	289.5
¼		17.2	291.1
cb		15.0	293.3
+9		13.6	294.7
+13		12.6	295.7
w.L.		11.6	296.7
walls front of house at 1+75 23' W.		6.79	301.5

X Sec 8th St from 1+00 North.
1+00 = N.L. Dwight.

T.P. x	12.00	333.44	320.44
1+25			
E.L.		13.5	319.9
cb		12.2	321.2
1/4		10.3	323.1
℄		9.7	323.7
1/4		9.1	324.3
cb		8.8	324.6
w.L.		8.2	325.2
1+50			
w.L.		7.4	326.0
cb		7.7	325.7
1/4		8.0	325.4
℄		8.3	325.1
1/4		8.9	324.5
cb		9.7	323.7
E.L.		11.1	322.3
1+75			
E.L.		9.6	323.8
cb		8.6	324.8
1/4		7.8	325.6
℄		7.3	326.1
1/4		6.9	326.5
cb		6.7	326.7
w.L.		6.4	327.0

2+00		333.44	
w.L.		5.7	327.7
cb		6.0	327.4
1/4		6.2	327.4
℄		6.5	326.9
1/4		7.0	326.4
cb		7.6	325.8
E.L.		8.7	324.7
2+25			
E.L.		8.3	325.1
cb		7.3	326.1
1/4		6.5	326.9
℄		6.0	327.4
1/4		5.8	327.6
cb		5.5	327.9
w.L.		5.1	328.3
2+50			
w.L.		4.6	328.8
cb		5.0	328.4
1/4		5.2	328.2
℄		5.6	327.8
1/4		6.1	327.3
cb		7.1	326.3
E.L.		8.3	325.1

2+75	333.44		
E.L.		8.8	324.6
cb		7.3	326.1
¼		6.3	3271
℄		5.4	328.0
¼		4.9	328.5
cb		4.6	3288
w.L.		4.2	329.2
3+00			
w.L.		4.0	329.4
cb		4.5	328.9
¼		4.9	3285
℄		5.8	3276
¼		6.8	326.6
cb		7.9	325.5
E.L.		9.6	3238
3+25			
E.L.		10.9	322.5
cb		9.5	322.9
+5		8.4	325.0
¼		7.8	325.6
℄		6.2	327.2
¼		5.5	3279
cb		4.8	328.6
w.L.		4.0	329.4

3+50	333.44		
w.L.		4.5	328.9
cb		5.2	328.2
¼		6.2	327.2
℄		7.1	326.3
¼		9.2	324.2
+8		10.1	3233
cb		10.9	3225
E.L.		13.0	3204
3+75			
E.L.		14.8	318.6
cb		12.5	320.9
¼		10.4	323.0
℄		8.9	324.5
¼		7.7	325.7
cb		6.2	327.2
w.L.		5.1	328.3
4+00			
w.L.		6.2	327.2
cb		7.7	3257
¼		8.7	3247
℄		10.4	323.0
¼		12.1	3213
cb		14.3	319.1
E.L.		16.1	317.3

		333 44			
TP	3-86	324.84	12.46	320.98	
B.M.	Beginning		4.84	320.00	(319.99)

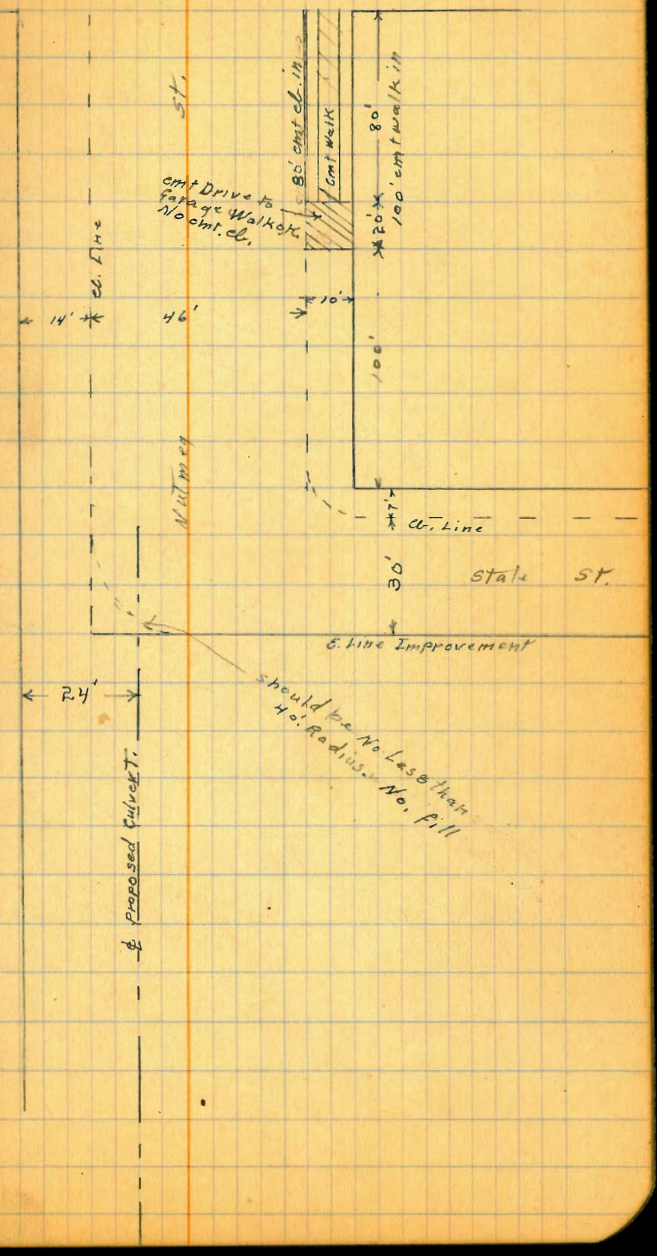
Nutmeg St & See columbia to State

To' wide 10' Curb N. 14' " S 46' Roadway 11.5 1/4 S

7-16-29 mills.

					columbia & olive.
BM. B.P.		2.30	145.86	143.56	
T.P.		4.78	138.69	11.95	133.91
		E. Line Columbia.			
N. el				7.64	131.05 cmt el
N. gutter				8.29	130.40 Pavmt.
1/4				8.49	130.20 "
e				8.84	129.85 "
1/4				9.35	129.34 "
S. gutter				10.04	128.65 "
S. el				9.58	129.11 cmt. el
S				9.36	129.33 cmt Ret.
		5' E			
S				9.1	129.6
el				9.4	129.1
1/4				9.1	129.6
e				8.4	130.3
1/4				8.1	130.6
N gutter				8.1	130.6
		50' E			
N. el				5.18	133.5 cmt el.
N gutter				6.3	132.4
1/4				6.1	132.6
e				6.3	132.4
1/4				7.2	131.5
+ 11				8.3	130.4
el				7.6	131.1
S				6.6	132.1

Columbia St



	138.69		
	80' E		
S	5.7	133.0	
+13	4.5	132.2	
cl	7.0	131.7	
1/4	6.3	132.4	
c	5.1	133.6	
1/4	4.9	133.8	
N. gutter	4.7	134.0	
N. cl	3.94	134.75	cmt cl
	100' E		
N	2.6	136.1	on dirt
N	3.3	135.4	on cmt Drive
N. cl	3.55	135.14	Not Standard cl. Cmt. approach To garage
N gutter	4.3	134.4	
1/4	4.5	134.2	
c	4.7	134.0	
1/4	5.6	133.1	
cl	6.3	132.4	
+5	5.4	133.3	
S	5.2	133.5	
	120' E		
S	5.3	133.4	
cl	6.2	132.5	
1/4	5.7	133.0	
c	4.8	133.9	
1/4	4.7	134.0	
+9	4.8	133.9	
cl	4.0	134.7	
N.	3.4	135.1	

	138.69		
+7	3.6	136.1	
N.	2.5	136.2	
	150' E.		
N	3.9	134.8	
c	4.3	134.4	
+2	5.8	132.9	
1/4	5.3	133.4	
c	5.4	133.3	
1/4	6.2	132.5	
cl	6.9	131.8	
+5	6.1	132.6	
S	6.1	132.6	
	180' E		
S	6.5	132	
cl	7.2	131.5	
1/4	7.1	132.6	
c	6.6	132.1	
1/4	6.7	132.0	
+9	6.6	132.1	
cl	5.3	133.4	
N.	5.0	133.0	
	200' E. = N line State		
N.	5.5	133.2	
cl	6.9	131.8	
1/4	7.2	131.5	
c	7.3	131.4	

138.69

Rbo' E = W. Line State (con)

S. 1/4			7.5	131.2
S. el			7.7	131.0
+7			7.6	131.1
S.			8.8	129.9
+20			14.0	124.7
T.P.	4.14	134.91	7.92	130.77

7.' E. of W. Line = W. el. State.

-30			19.0	115.9
-20			16.3	118.6
S			5.9	129.0
+5			3.9	131.0
el			3.9	131.0
1/4			3.8	134.9
C			3.7	135.0
1/4			3.5	135.2
el			3.2	131.7
N			2.6	132.3

12' E. of W. el

N.			2.6	132.3
el			3.6	131.9
1/4			3.6	135.1
C			3.7	135.0
1/4			3.8	131.1
S. el			4.0	130.9
+2			5.8	129.1
S			8.0	126.9

Nulmeg

134.91

60

+20			18.1	140 6

15' E. of W. el = ℄ State St Rdw.

-20			19.0	1197
-13			15.7	1233.0
-10			12.8	1219
S			11.9	123.0
el			4.1	130.8
1/4			3.8	131.1
C			3.7	135.0
1/4			3,6	135.1
el			3.0	1319
N			2.6	132.3

20' E. of W. el

N			2.6	1823
el			3,3	131.6
1/4			3.5	131.2
C			3.3	1316
1/4			4.3	130.6
+1			5.4	129.5
el			5.6	133.1
+5			7.4	1313
+9			6.2	1325
S			8.5	130.2
+10			14.4	122.3

134.91

25' E. of W. el

-10	15.1	1236
S	9.3	129.4
+8	6.0	128.9
el	6.3	128.6
+5	7.8	127.1
1/4	4.5	130.4
C	3.4	131.5
1/4	3.5	131.4
el	3.2	131.7
N.	2.8	132.1

30' E. of W. el = E. line/improvement

N	3.0	131.9
el	3.2	131.7
1/4	3.5	131.4
+5	3.5	131.4
+6	4.6	130.3
C	4.8	130.1
4/4	7.6	127.3
el	9.8	125.1
+6	7.4	131.3
S	10.1	128.6
+10	12.6	126.1

40' E. of W. el.

S	15.0	123.7
+6	14.0	124.7
el	13.0	1157

134.91

Nutmeg St

61

1/4	13.8	124.9
+6.	12.7	122.2
C	8.8	126.1
1/4	5.2	129.7
el	8.4	126.5
+8	10.4	124.5
N.	6.4	128.5

Levels for Proposed Drain
24' N. of S. Line Nutmeg St
State St. to Reynard Way

This Line is on 2" Water main

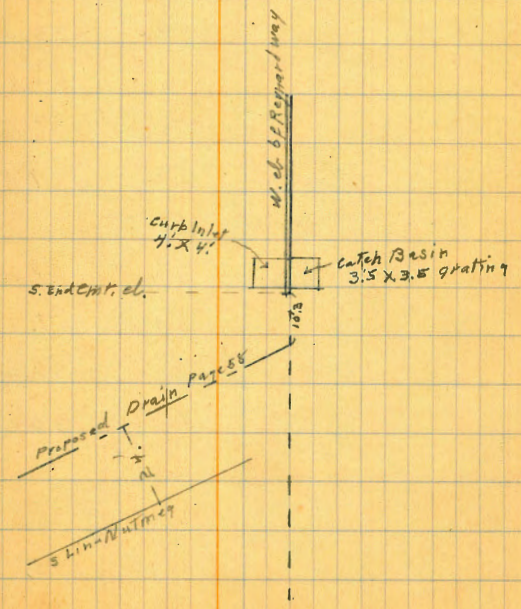
Page 61.

		A 134.91			
00 = W. Line State St.			3.8	131.1	
0+25			4.1	130.8	
0+40			9.8	125.1	
T.P.	0.17	122.14	12.94	121.97	
0+50			3.1	119.0	
0+52			6.1	116.0	
0+66			12.8	109.3	
T.P.	0.32	109.39	13.07	109.07	
0+75			6.2	103.2	In Wash
0+85			5.3	104.1	
35 of 0+85			9.5	99.9	In wash
1+00			13.4	96.0	
T.P.	0.24	96.70	12.93	96.46	
1+17			6.7	90.0	
T.P.	0.34	84.23	12.81	83.89	
1+40			2.8	81.4	
1+57			8.0	76.2	
1+63			12.2	72.0	
T.P.	0.61	72.48	12.36	71.87	
1+74			1.9	70.6	
1+75			6.0	66.5	
1+83			7.5	65.0	Water Meter on E. End 2" Pipe
4' N. of 1+83			12.0	60.5	In Wash
T.P.	0.15	60.58	12.05	60.43	

60.58

Nutmeg St

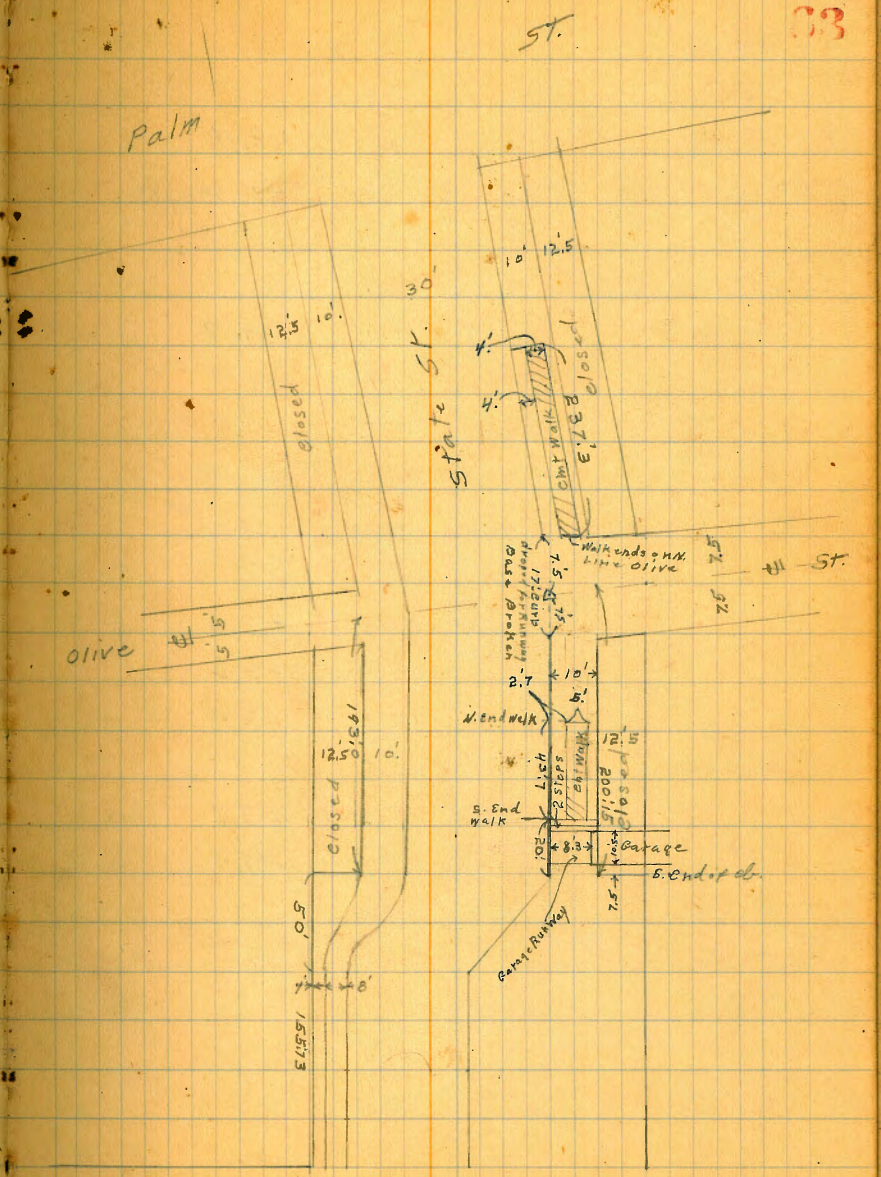
1+88	4.6	56.0
2+00	4.9	55.7
2' N of 2+00	8.3	52.3 In wash
2+00.7 = P.I. with W. el. Line of Reynard Way	8.3	52.3
10's N. of above P.I. on W el of Reynard Way	8.45	52.1 Top curb
Top of grating	10.05	50.5
Flowline Catch Basin	13.6	47.0



37' wide
4' acceptedon W
8' eb on W
25' Roadway

State St. See Nutmeg to Palm 1-20-24 mills

T.P. Page 60	12.61	143.38		130.77
		00 = N Line Nutmeg		
W.			10.2	133.2
+4 = edge acceptance			10.8	132.6
+12 = W. eb			11.1	132.3
eb+12.5 = ℄ Roadway			11.1	132.3
eb+25' = E. edge Roadway			11.1	132.3
		25' N		
E. edge Rdw			9.7	133.7
+3			9.1	
℄ Rdw			9.5	
eb			9.9	133.5
+8 = acceptance			9.3	184.1
+10			7.2	136.2
W			6.4	137.0
		~~45~~ N		
W			5.4	138.0
+3			5.9	137.5
+4			7.2	136.2
+12 = eb			7.4	136.0
℄ Rdw			7.3	
℄ +10			6.8	
E			7.7	135.7
+23			24.2	
+30			26.8	
+40			29.4	



143.38

70'N

E - 45			30.8	
E - 22			20.3	
E			11.7	138.7
+2			3.2	140.2
+4			3.7	
℄ Rdw			3.7	
cl			3.7	139.7
+8			3.7	139.7
+9			2.7	140.7
W			2.2	141.2
T.P.	13.06	156.10	0.34	143.04
		95'N		
W			12.5	143.6
+4			12.5	143.6
cl			12.7	143.4
℄ Rdw			12.5	
℄ +10.5			12.5	143.6
E			14.2	141.9
+15			26.4	
+35			34.1	
		106'N		
-35			31.4	
-23			27.7	
E			11.8	144.3
+2			11.0	145.1
℄ Rdw			10.8	

State St

64

156.10

cl	11.5	144.6
+8	11.4	144.7
W	11.4	144.7
112'N = S. Line Garage on W dirt floor		
W	9.8	146.3
+3 = E Line Garage	8.8	147.3 floor
+4	9.6	146.5
cl	10.5	145.6
℄ Rdw	9.7	
℄ +10	9.8	
E	12.4	143.7
+13	22.5	
+30	28.4	
125' = N Line Garage on W		
-30	26.2	
E	17.8	148.3
℄ Rdw	7.5	
W cl	8.6	147.5
+8	8.7	147.4
+9 = Front of Garage	8.7	147.4 floor
N	7.5	148.6
130'N		
W	7.1	149.0
+4	7.3	148.8
cl	7.6	148.5
℄ Rdw	7.0	

156.10

130' N. (cont)

E			7.4	148.7
155.7 N.				
E			2.6	153.5
℄ Rdw			3.1	153.0
+8			3.8	152.3
Web			3.0	153.1
+8			3.2	152.9
W			3.4	152.7
T.P.	13.04	168.78 ✓	0.36	155.74 ✓
180.7				
W			11.3	157.5
+4			11.7	157.1
+8			12.5	156.3
+15			12.7	156.1
+20.5			12.2	156.6
+37			11.1	157.7
+47			10.9	157.9

0+00 205.7 = S. End of { Existing curbs 12.5 closing on Each side

New E. line to N			7.0	161.8
+10 = cl			7.70	161.1
℄			8.0	
+1.4			8.7	gutter
cl			7.8	161.0
+10 = New W line to N			7.7	161.1
+18.5			6.0	162.8
cl +22.5 = old Line			6.0	162.8

S. End cmt cl

cmt gutter

cmt cl

168.78

5 Tot. St

65

7.5 N of 0+00 = S. line Garage

E. cl Top	6.60	162.2
E. cl dipped for Runway	6.93	161.85 cmt Runway
8.3 E. of E. cl = W line Garage	5.97	162.8 cmt Runway

17.5 N of 0+00 = N. line cmt Runway

8.3 E. of E. cl = W. line Garage	5.73	163.05
E. cl dipped for drive	5.60	163.18

20' N. of 0+00 = S. End Cmt. wall on E

E		4.2	164.6
E. cl		4.55	164.23
gutter		5.0	
		5.0	
T.P. 6.97	174.97 ✓	0.78	168.00 ✓
℄		11.0	
		11.2	
gutter		11.5	
Web		11.06	163.91

54.5 N of 0+00

W cl	5.82	169.15
gutter	6.8	
½	6.2	
e	6.0	
¼	6.1	
gutter	6.0	
E. cl	5.38	169.69

69.5 N. of 0+00 = Brk

E. cl	3.02	171.95
gutter	3.7	
¼	3.9	
e	3.8	

174.97

69.5 N. (Con) Brk

¼		4.0	
gutter		4.7	
W. cb		3.43	171.54
	84.5 N		
W. cb		2.07	172.90
gutter		2.4	
¼		2.3	
c		2.1	
¼		2.1	
gutter		1.8	
E. cb		1.48	173.49
T.P.	12.10	182.05	0.02	174.95
	139.5 N.		
E. cb		8.03	179.02
gutter		8.9	
¼		8.5	
c		8.5	
¼		9.0	
gutter		9.6	
W. cb		8.93	178.12
	154.5 N	Brk.	
W. cb		7.41	179.59
gutter		8.4	
¼		7.8	
c		7.2	
¼		7.3	

187.05

State St.

66

gutter	7.6	
E. cb	6.50	180.55
	169.5 N.	
E. cb	5.91	181.14
gutter	6.7	
¼	6.4	
c	6.4	
¼	7.0	
gutter	7.4	
W. cb	6.84	180.21

192.0 N. on E. cb } = 5. Lines of olive produced E & W to Curb lines
190.0 N. on W. cb }

W. cb	6.05	181.00
gutter	6.3	
¼	6.0	
c	5.5	
¼	5.4	
gutter	5.8	
E. cb	5.17	181.88

195.0 N. on W. cb } = △ & Olive St Section on Split.
199.5 N. on E. cb }

E. gutter (curb dropped for drive way)	5.4	181.65
¼	5.2	
c	5.2	
¼	5.8	
gutter	6.3	
W. cb	5.86	181.19

187.05

5' N. of Δ on W. cl } = N. lines of Olive St Produced E. & W. to cl Lines
7.5 N of Δ " E cl }

W. cl	5.72	181,33
gutter	4.1	
1/4	5.7	
C	5.1	
1/4	5.0	
gutter	5.2	
E. cl	4.25	182.80

44.3 N. of (Δ Olive) on E cl }
40 N. of (Δ Olive) on W. cl } = Brk 0+00 = 90°

E. cl	3.09	183,96
gutter	4.2	
1/4	4.0	
C	4.1	
1/4	4.6	
gutter	5.0	
W. cl dipped for Runway (Figures)	4.58	182,47

50' N. of above 0+00

W cl	3.90	183,15
gutter	4.4	
1/4	4.0	
C	3.3	
1/4	3.1	
gutter	3.3	
E. cl	2.42	184,63

105' N. of 0+00 apparent Brk

E. cl	1.73	185.32
gutter	2.7	

187.05 State St

67

1/4	2.6	
C	2.7	
1/4	3.4	
gutter	3.7	
W. cl	3.25	183,80

125' N. of 0+00 Apparent B.

W. cl.	3.21	183,84
gutter	3.9	
1/4	3.3	
C	2.5	
1/4	2.6	
gutter	2.6	
E. cl	1.82	185,23

145' N. of 0+00

E. cl	2.07	184,98
gutter	2.9	
1/4	2.7	
C	2.4	
1/4	3.5	
gutter	4.2	
W. cl	3.48	183.57

165' N. of 0+00

W. cl	3.94	183,11
gutter	4.7	
1/4	4.0	
C	3.2	

		187.05		
		165 N. (con)		
1/4			3.3	
gutter			3.5	
E. cl			2.49	184.56
		185' N		
E. cl			3.22	183.83
gutter			4.2	
1/4			4.0	
C			4.0	
1/4			4.8	
gutter			5.5	
W. cl			4.80	182.25
		205' N		
W. cl			5.69	181.36
gutter			6.5	
1/4			5.8	
C			5.0	
1/4			5.0	
gutter			5.2	
E. cl			4.48	182.87
T.P.	1.84	182.42	6.47	180.58
		225' N.		
E. cl			2.73	181.69
gutter			1.9	
1/4			1.7	
C			1.7	
1/4			2.4	

		182.42		
gutter			3.1	
W. cl			2.17	180.25
		245' N		
W. cl			3.91	178.51
gutter			4.9	
1/4			4.1	
C			3.3	
1/4			3.0	
gutter			3.2	
E. cl			2.27	180.15
		265' N.		
E. cl			3.99	178.43
gutter			5.1	
1/4			4.8	
C			5.2	
1/4			4.1	
gutter			7.0	
W. cl			5.96	176.46
		285' N		
W. cl			8.33	174.09
gutter			9.3	
1/4			8.3	
C			7.3	
1/4			7.0	
gutter			7.3	
E. cl			5.94	176.48

		182.42		
		305' N.		
E. el			8.13	174.29
gutter			9.7	
1/4			9.3	
e			9.6	
1/4			10.5	
gutter			12.0	
W. el			10.78	171.64
T.P.	5.78	176.62	11.58	170.84
		3.25' N.		
W. el.			7.48	169.14
gutter			8.4	
1/4			7.2	
e			6.3	
1/4			6.0	
gutter			6.1	
E. el.			4.76	171.86
	350' N. = N. End cmt els on E & W = S. Line Palm			
E. Line			6.8	1698
E. el			7.62	~~174.80~~ 169.0
gutter			8.8	
1/4			8.9	
e			9.3	
1/4			10.2	
gutter			11.3	
W. el			10.55	166.07 ~~+71.87~~
+10 = New Prop			10.6	
+22.5 = old w line State			14.2	

Palm St 25' els State St
7.5 1145

174.62

10' N. of S. Line Palm St

old w line	15.5	
+12.5	12.4	
+22.5 = Wel	12.4	
1/4	11.2	
e	10.4	
1/4	10.1	
E. el	9.3	
+5	8.3	
+10 = New E. line	+3.3	179.9

17' N of S. line Palm

New E. line	+2.4	179.0
+4	5.6	
E. el	9.7	
1/4	10.8	
e	11.3	
1/4	11.8	
el	12.8	
+10	14.4	
+22.5	16.7	

25' N of S. Line Palm = S. el

N. el +22.5	14.4
+10	14.4
W. el	13.4
1/4	12.7
e	12.0
1/4	11.0

176.62

1/4 + 4	9.9
E. el	6.8
+ 7	3.6
No New E. Line	+ 0.5 177.1

5. 1/4

E	0.0
+ 2	2.1
+ 10 = el	4.3
+ 3	5.1
1/4	9.0
e	11.8
1/4	13.2
W. el	13.5
+ 10	14.8
+ 22.5	17.1

⌀

W. el - 22.5	17.1
" " - 10 = New Line	15.0
W. el	13.7
1/4	12.8
e	11.4
+ 2	7.0
1/4	4.1
E. el	3.2
+ 10 = New E. Line	1.4

176.62 State St 70

N. 1/4

E.	1.8
+ 10 = el	3.7
1/4	5.1
e	7.3
1/4	9.3
W. el	13.7
+ 10	14.9
+ 22.5	17.2

N. el

Web - 22.5	16.3
Web - 10	13.9
W. el	11.4
1/4	10.0
e	8.0
1/4	6.3
E. el	4.4
E	2.3

12.5' N of N. el

E	2.8
el	5.0
1/4	6.6
e	7.9
1/4	9.4
el	10.8
+ 10	12.7
+ 22.5	16.7

176.62

25' N. of N. el = N. Line Palm

W el - 22.5	17.6
W el - 10	13.9
W. el	12.0
1/4	10.6
e	9.1.
1/4	7.4
el	5.4
E	4.0

14/4/48 Water Main alley INV City Hall
Moore

℄ NL Redw.	3.30	N68.10		2638	℄ ELEVTED NL Redwood
0+00 ✓			5.5	N61.6	
0+14 ✓			6.8	N60.3	
(0+03) ℄ alley	= MH Rim ✓		4.70	362.4 ✓	
T.P.	10.55	N74.35	3.30	N63.80	
0+47.5 ✓			1.90	372.45	
T.P.	14.03	N84.48	1.90	N74.45	
0+80 = SL Redwood ✓			2.1	284.4	
℄ alley "	"		1.1	283.4 ✓	

260.3 / 2590 / +1.3 = 0+14 N

361.6 / 459.7 / +1.9 = 0+00 ✓

372.1 / 2638 / +5.7 = 0+47.5 N

284.4 / 2684 / +14.0 = SL Redwood

Levels on Redwood Central, east, are N.G. BK INVG E run only

1/28/09 Moore — Level Blk 69 City Hall — ✓ = station at cuts — for Ft. of water line

NW BP	4.70	3 x 0.19		332.49	Hill of Wightman	V+60 ✓	2.1	335.3
Ft. Wightman = 00 ✓			2.6	337.6		V+87	2.7	335.7
0+N ✓			6.7	333.5		V+95	2.8	335.6
0+50 ✓			9.X	330.8		6 = NL Landis ✓	7.7	330.7
1 ✓			10.3	329.9				
1+50 ✓			10.X	329.8				
2			13.1	327.1				
T.P.	0.2X	3 x 7.43	13.00	3 x 7.19				
2+10 ✓			1.5	325.9				
2+XX ✓			11.3	316.1				
TP	0.06	3[illegible].73	12.76	3[illegible].69				
2+65			X.2	310.5				
2+80 ✓			6.7	308.0				
2+99.5 ✓			7.6	307.1				
3+50			7.6	307.1				
3+65 ✓			V.8	308.9				
3+90			0.0	314.7				
T.P.	11.37	3 x 6.04	0.06	3[illegible].67				
4+10 ✓			4.0	322.0				
T.P.	12.9	333.38	0.00	3 x 6.04				
4+30			11.8	326.6				
4+50 ✓			V.V	332.9				
4+75			4.5	333.9				
4+85 ✓			1.2	334.2				
5+20 ✓			3.7	334.7				
5+40 ✓			3.6	334.8				

S.op
330.38
33.3X = No. 1 in pole
0.0X error

100' wide
25' elv.

Mt. View Drive

Curb Levels 35th to 33rd Sts

7-20-28
Miller

Measurements taken on South Curb
shots on N. curb on radial lines opposite

B.M. B.P	5.16	399.17 ✓		394.01	S.W. Mt. View Drive + Hawley
T.P.	4.18	398.87 ✓	4.48	394.69 ✓	
(64)		East line of 35th St		40' wide 12' elvs Produced	
N. elv Mt. View Drive			3.10	395.77	
S. " " " "			3.16	395.71	
(63)		E. elv. line 35th St.			
S. line Mt. View Drive			3.23	395.64	
N " " " "			2.95	395.92	
(62)		N. elv. line 35th St			
N. line Mt View Drive			3.91	394.96	
S " " " "			3.54	395.33	
(61)		N. line 35th St. Produced			
S. elv. Mt. View Drive = 0+00			3.47	395.40	
N " " "			3.94	394.93	
(60)		50' N. on S. elv			
N. elv			4.06	394.81	
S. elv			3.65	395.22	
(59)		100' W. on S. elv.			
S. elv			3.62	395.25	
N. elv			4.13	394.74	
(58)		129' W. on S elv = E Alley Ret			
N. elv			4.32	394.55	
S. elv.			3.68	395.22	
15's. of S elv = S. end Alley elv Ret			3.38	395.49	

398.87
(57) 150' W. on S. elv = W. Alley Ret

15's. of S. elv = S. end Alley Return	3.38	395.49
S. elv	3.65	395.22
N. elv	4.26	394.61
(56) 200' W. on S. elv		
N. elv	4.40	394.47
S. elv	3.69	395.18
(55) 250' W. on S. elv		
S. elv	3.83	395.04
N. elv	4.47	394.40
(54) 300' W. on S. elv		
N. elv	4.52	394.35
S. elv	3.93	394.94
(53) 350' W. on S. elv		
S. elv	3.97	394.90
N. elv.	4.65	394.22
(52) 400 W. on S. elv		
N. elv.	4.68	394.19
S. elv	4.03	394.84
T.P. 3.31	397.82 ✓	4.36 394.51 ✓ 40' wide
(51) 429' W. on S. Elv. = E. Line Mansfield St		12' elvs. Produced
S. elv	3.02	394.80
N. elv	3.56	394.26
(50) E. elv Mansfield		
14.6 S. of S. elv on radial line = N. End Pavmt on Mansfield	3.02	394.80 on curb
" " " " " " " " "	3.46	394.36 on pavmt.
50's. on E. elv Mansfield	3.16	394.72 on curb.
" " " " "	3.57	394.25 on Pavmt

397.82

(49) W. ch. Mansfield

14.8 S. of S. ch; N end Parmt on Mansfield on Radial line	3.50	394.32	on parmt
" " " " " " " " "	3.13	394.69	on ch

(48) 00 = N. line Mansfield Produced

S. ch	3.13	394.69	
N. ch	3.85		393.98

(47) 50' W. on S. ch

N. ch	3.83		393.99 (4.00)
S. ch	3.36		394.46 (4.48)

(46) 100' W on S. ch

S. ch	3.47		394.35 (4.37)
N. ch	4.24		393.58 (3.60)

(45) 130' W. on S ch = E. Alley Ret.

N. ch	4.12		393.70 (3.72)
S. ch	3.62		394.20 (4.22)
14.6 S. of S. ch = S. end Alley Ret	3.14		394.68 (4.70)

(44) 147' W on S. ch = W. Alley Ret.

14.6 S. of S. ch = S. end Alley Ret	3.38		394.44 (4.46)
S. ch	3.79		394.03 (4.05)
N ch	4.03		393.79 (3.81)

(43) 180' W. on S. ch.

N. ch	4.40		393.41
S. ch	3.79		394.03 (4.05)

(42) 210' W. on S. ch

S. ch	3.84		393.98 (4.00)
N. ch	4.12		393.70 (3.72)

Mt View Drive

397.82

250' W on S. ch

3.81 chk BM. 394.01

(41) N. ch 4.31 393.54 / 393.51

S. ch 3.90 393.95 / 393.92

Hawley 100' W of 2nd chs.

(39) 274' W. on S. ch = 0.7 W. of E. line Hawley = E. end Paved Intersection

S. ch	3.80	394.05 / 394.02
S. gutter on parmt	4.31	393.54 / 393.51

Produced from N

P.I. E. line Hawley, & N. ch Mt. View Drive

(40) ch & Parmt 4.13 393.72 / 393.69

Flow Line E & W ½ Round Culvert. E & W 4.74 393.11 / 393.08

11' W. of E. line Hawley on S. ch Mt View Drive = E end Culvert

ch	3.80	394.05 / 394.02
Flow line ½ Round Culvert. Intake	4.48	393.37 / 393.34

E. ch. Hawley

(outlet of above Culvert

15.8 S. of S. ch. Mt View Drive = 4.58 393.27 / 393.24 Flow line

" " " " " " " 3.87 393.98 / 393.95 Top Curb

W. ch. Hawley

16.1 S. of S. ch Mt View Drive	4.58	393.27 / 393.24 Flow line out let
" " " " " "	3.93	393.92 / 393.89

15' W. of W. ch Hawley = Inlet above Culvert

Top ch	3.84	394.01 / 393.98
Flow line	4.53	393.32 / 393.29

(38) 23.3 W. of E. ch Hawley on S. ch Mt view Drive = N. end Parmt

Top ch	3.83	394.02 / 393.99
gutter parmt	4.33	393.52 / 393.49

00 = W. line Hawley Produced from S.

S. ch	3.83	394.02 / 393.99

397.82

(37) 1.5' W of W. line Hawley Produced from N.

N. el Mt View Drive		4.08	393.77 ~~393.74~~	Top el
" " " " "	gutter	4.72	393.13 ~~393.10~~	Flow line Esw Column

(36) 50' N. on S. el from W Line Hawley Produced from S.

S. el Mt View Drive		3.57	394.28 ~~394.25~~
N " " " "		3.97	393.88 ~~393.85~~

(35) 100' W. on S. el

N. el		3.90	393.95 ~~393.92~~
S. el		3.58	394.27 ~~394.24~~
T.P.	5.70 399.57 ✓	3.75	393.90 ~~393.87~~

(34) 145' W. on S. el = E. Alley Ret.

14.85 of S. el on Radial Line = S. End Alley Ret.		4.79	394.81 ~~394.78~~
S. el		5.25	394.35 ~~394.32~~
N. el		5.50	394.10 ~~394.07~~

(33) 168' W. on S. el = W. Alley Ret.

N. el		5.35	394.25 ~~394.22~~
S. el		4.93	394.67 ~~394.64~~
S. of S. el on Radial Line = S. End Alley Ret		4.59	395.01 ~~394.98~~

(32) 200 W. on S. el

N. el		5.17	394.49 ~~394.46~~
S. el		4.76	394.84 ~~394.81~~

(31) 250' W. on S. el

S. el		1.54	395.06 ~~395.03~~
N. el		4.98	394.62 ~~394.59~~

(30) 300' W. on S. el

N. el		4.79	~~394.81~~ ~~394.78~~
S. el		4.17	395.43 ~~395.40~~

Mt View Drive

399.57

T.P.	4.83	399.84 ✓	4.56	395.105 ~~395.07~~ 60' wide 12' obs.

(29) 326' W. on S = E Line 34th produced from S.

S. el			4.35	395.53 ~~395.49~~ X

S. Line Mt View E. E. el of 34th St = N. End Pavmt

el			4.36	395.52 ~~395.48~~ X
pavmt			4.86	395.02 ~~394.98~~ X
E. Line Floral Drive + W line ← Mt View Drive			4.96	394.92 ~~394.88~~ el X
N. Line Mt. View Drive E. el Floral Drive			4.94	394.96 ~~394.90~~ el
" " " " " W " " "			4.92	394.96 ~~394.92~~ el X
N el " " " W Line " "			4.85	395.03 ~~394.99~~ X X

S. Line Mt View Drive W. el of 34th St. (28)

Top el		4.09	395.79 ~~395.75~~ X
gutter N End Pavmt		4.50	395.38 ~~395.34~~ X

(27) 21' W. of W. Line of 34th St on S. el Mt. View Drive = N. End 15' Rad Ret.

S. el		3.98	395.90 ~~395.86~~ X
N. el		4.91	394.97 ~~394.93~~ X

(26) 50' W. of W. Line 34th Produced on S. el.

N. el		4.97	394.91 ~~394.87~~
S. el		4.13	395.75 ~~395.71~~

(25) 100' W. on S. el.

S. el		4.33	395.55 ~~395.51~~
N. el		5.14	394.72 ~~394.68~~

(24) 150' W. on S. el

N. el		5.33	394.55 ~~394.51~~
S. el		4.57	395.31 ~~395.27~~

399.84

(13) 200' W. on S. el

				394.99
S. el			4.89	~~394.95~~
				394.28
N. el			5.60	~~394.24~~

(22) 250' W. on S. el

				394.17
N. el			5.71	~~394.13~~
				394.82
S. el			5.06	~~394.78~~
T.P.	3.77	398.11	5.56	394.34

(21) 300' W. on S. el

				394.61
S. el			3.55	~~394.56~~
				394.14
N. el			4.02	~~394.09~~

(20) 350' W on S. el

				394.02
N. el			4.14	~~393.97~~
				394.46
S. el			3.70	~~394.41~~

(19) 389' W. on S. el = E. Alley Rot

				394.60
14.8 S. of S. el = S. End Alley Rot			3.56	~~394.55~~
				394.17
S. el			3.99	~~394.12~~
				393.96
N. el			4.20	~~393.91~~

(18) 405.5 W. on S. el = W. Alley Rot

				393.81
N. el			4.35	~~393.76~~
				394.08
S. el			4.08	~~394.03~~
				394.56
14.8 S. of S. el = S End Alley Rot			3.60	394.51

(17) 450' W. on S. el

				393.96
S. el			4.20	~~393.91~~
				393.72
N. el			4.44	~~393.67~~

(16) 500' W. on S. el

				393.61
N. el			4.55	~~393.56~~
				393.61
S. el			4.55	393.56

Mt. View Drive

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398.11

(15) 5.46' W on S. el = N.E. Line Arthur st Produced

				393.54
S. el			4.63	393.48
				392.64
S. gutter = Flow Line 8" Culvert			5.54	392.55
				393.48
N. el			4.72	393.39

15' S. of S. el & N.E. el of Arthur st End Culvert

			393.41
Top Curb		4.76	393.35
			392.49
Flow Line 8" Culvert		5.68	392.43

S. Line Mt View & N.E. Curb Arthur

			393.39
Top el		4.74	393.33

S Line Mt View & SW. curb Arthur

			393.07
Top el		5.10	393.01

16' S. of S. el Mt. View & SW. el Arthur

			393.12
Top el		5.05	393.06
			392.14
Flow Line 8" Culvert		6.03	392.08

(14) 00 = S. el. Mt View Drive & SW. Arthur Produced

			393.24
S. el		4.93	393.18
			392.18
Flow Line 8" Culvert		5.99	392.12
			393.20
N. el		4.97	393.14

(13) 50' W. on S. el

			392.79
N el		5.38	392.73
			393.10
S. el		5.07	393.04

(12) 100' W. on S. el

				393.01
S. el			5.14	392.95
TP	3.76	396.60	5.27	392.84
				392.82
N. el			3.84	392.76

396.60

(11) 150' W. on S. el

		(392.72)
N. el	3.94	392.66
		(392.95)
S. el	3.71	392.89

(10) 200' W. on S. el

		(392.85)
S. el	3.81	392.79
		(392.59)
N. el	4.07	392.53

(9) 250' W. on S. el

		(392.46)
N. el	4.20	392.40
		(392.83)
S. el	3.83	392.77

(8) 278' W. on S. el = E. Line Panama st (approx)

		(392.76)
S. el	3.91	392.69
		(392.37)
N. el	4.30	392.30

N. Line Mt View Drive

		(392.20)
E. el Panama 20' Roadway	4.47	392.13
		(391.99)
W " "	4.49	391.91

(7) 325' W. on S. el = W. Line Panama (approx)

		(392.13)
N. el	4.54	392.06
		(392.61)
S. el	4.06	392.54

(6) 400' W on S. el

		(392.43)
S. el	4.24	392.36
		(391.95)
N. el	4.72	391.88

(5) 450' W on S. el

		(391.72)
N. el	4.95	391.65
		(392.35)
S. el	4.32	392.28

(4) 500' W. on S. el

		(392.17)
S. el	4.50	392.10
		(391.63)
N. el	5.04	391.56

396.60 Mt View Drive

79

(3) 550' W. on S. el = P.C. 2° Rad Rt into Alley

		(391.42)
N. el	5.25	391.35
		(392.11)
S. el	4.56	392.04
15' S. of S. el = S. End Alley Rt on Radial Line	4.21	(392.46) 392.39

(2) 601 W. on S. el = P.I. SW Alley Rt

		(392.39)
15' S of S. el on Radial Line E. end Alley Rt	4.28	392.32
		(392.06)
S el at P.I.	4.61	391.99
		(391.31)
N. el	5.36	391.24
T.P. 4.73 396.50	4.83	391.77

(1) (637') W on S. el = E. Line 33rd St Produced

		(391.20)
N. el	5.37	391.13
		(392.07)
S. el	4.50	392.00

E el. 33rd St

N. End Pavmt		(392.09)
15' S. of S. el Mt View on 33rd	4.48	392.02 Top el.
" " " " " " " "	4.94	(391.63) 391.56 gutter Pavmt

W. el 33rd St

15' S. of S. el Mt. View = N. end Pavmt on 33rd	4.48	392.07 gutter Pavmt
" " " " " " " "	4.10	(392.47) 392.40 Top el

W. Line 33rd Produced

S el	4.18	392.32 (392.39)
N. el	5.53	390.97 (391.04) S on 33rd
B.M. B.P.	4.19	392.31 = 392.38 + Mt View

Mt View Drive

IMPROVED TABLES
AND
INFORMATION

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side or shoulder stake for any width roadway, slope 1½ to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

TABLE No. 9.

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

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

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

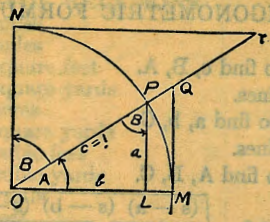

TABLE II

TRIGONOMETRIC FORMULÆ.

$\angle A = \angle MOP \qquad \angle B = \angle PON = \angle OPL$

$R = OB = c = 1$

$$\sin A = \frac{a}{c} = \frac{a}{1} = a = \cos B = LP$$

$$\cos A = \frac{b}{c} = \frac{b}{1} = b = \sin B = OL$$

$$\tan A = \frac{a}{b} = \frac{MQ}{OM} = \frac{MQ}{1} = MQ = \cot B = MQ$$

$$\cot A = \frac{NT}{ON} = \frac{NT}{1} = NT = \tan B = NT$$

$$\sec A = \frac{OQ}{OM} = \frac{OQ}{1} = OQ = \csc B = OQ$$

$$\csc A = \frac{OT}{ON} = \frac{OT}{1} = OT = \sec B = OT$$

$$\text{vers } A = \frac{LM}{OP} = LM = \text{covers } B \#$$

$$\text{covers } A = \frac{OP - LP}{OP} = OP - LP = \text{vers } B$$

$$\text{exsec } A = PQ = \text{coexsec } B$$

$$\text{coexsec } A = PT = \text{exsec } B$$

$$\sin \tfrac{1}{2} A = \sqrt{\frac{1 - \text{Cos } A}{2}} \qquad \cos \tfrac{1}{2} A = \sqrt{\frac{1 + \text{Cos } A}{2}}$$

$$\sin 2A = 2 \sin A \cos A \qquad \cos 2A = \cos^2 A - \sin^2 A$$

$$\text{Law of Lines} \quad \frac{\sin A}{a} = \frac{\sin B}{B} = \frac{\sin C}{C}$$

$$\text{Law of Cosines} \quad c^2 = a^2 + b^2 - 2ab \cos C$$

$$\text{Law of Tangents} \quad \frac{a+b}{a-b} = \frac{\tan \tfrac{1}{2}(A+B)}{\tan \tfrac{1}{2}(A-B)}$$

5

31°-24 x2 .62°-48
24°-06 x2 .93°-52
56°-40'-30"

319.99
5.41
325.40

/338.36

/113°-21'-00"
56-40-30

33948
311-
33137
520
336.61
375
332-86

33886
311
335.75
520
340.95
311
337.27