

72

57

289.73
3.77
293.50

MICROFILMED

APR 6 1965

1.5 bet C^s 1419.4 = 6' below C.
(Low A = 4' below Ave C & 4' 0"
Others 4' below C.

Crocker Quality

FIELD BOOK



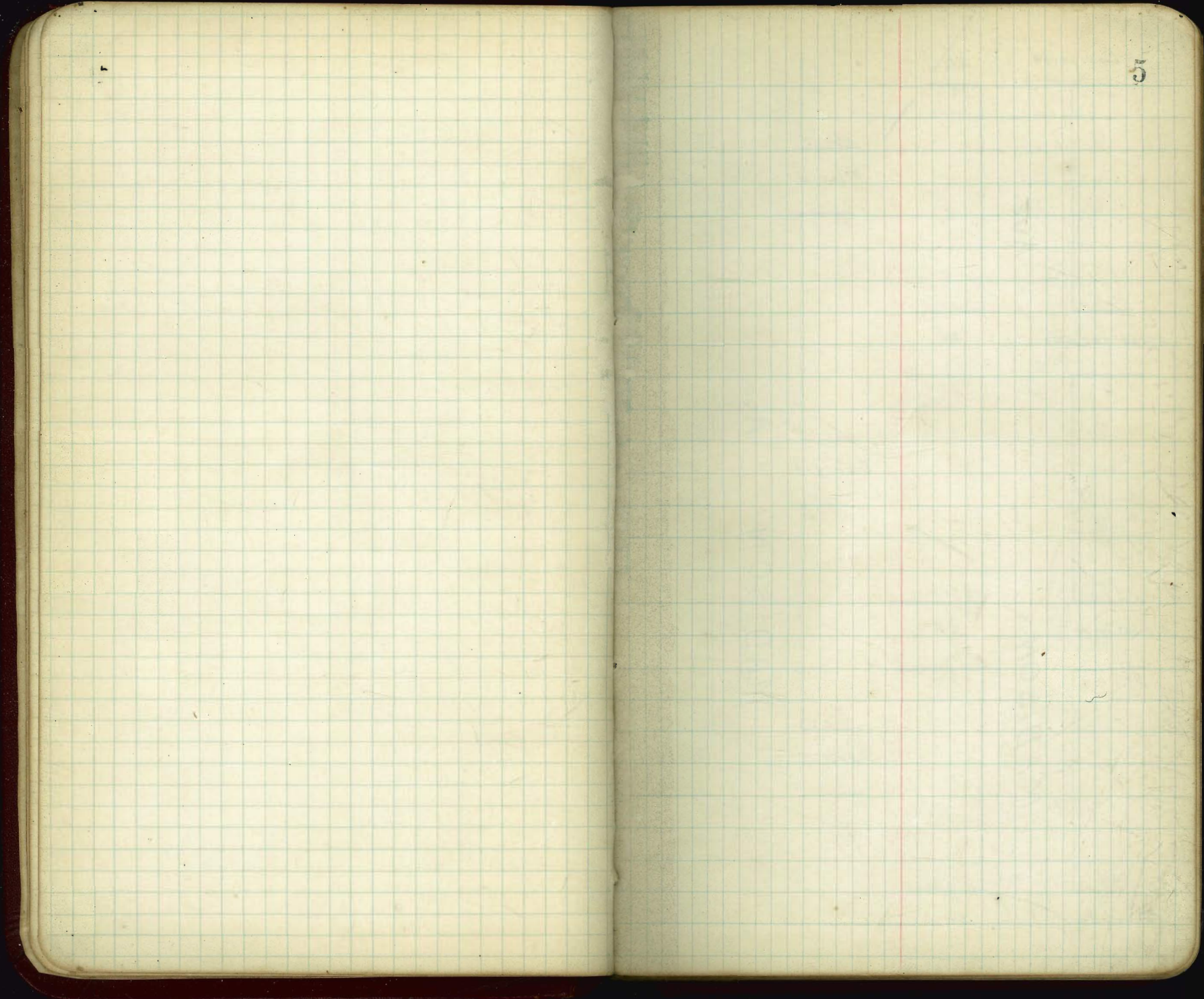
No. _____

MANUFACTURED BY

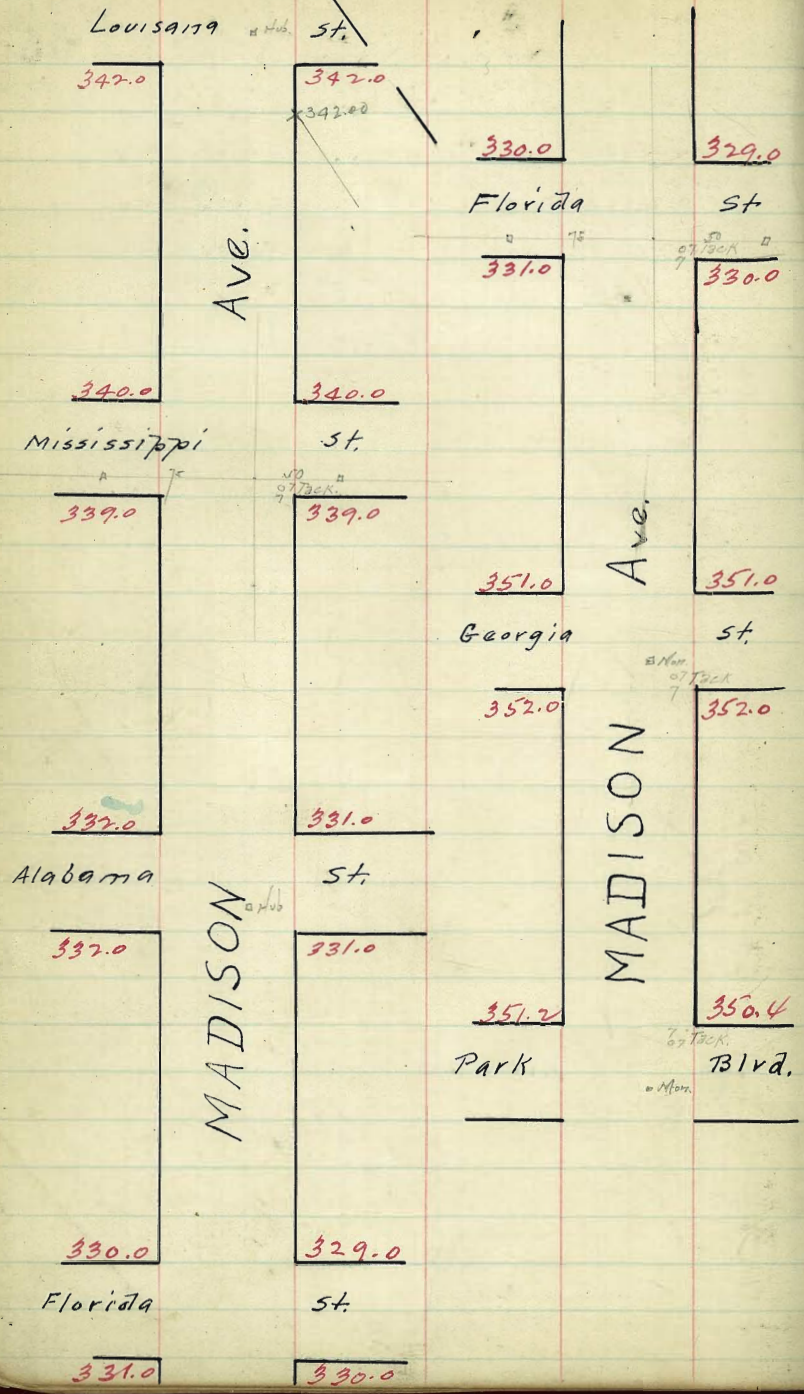
H. S. CROCKER CO.

SAN FRANCISCO AND SACRAMENTO
CALIFORNIA

FROM
LORINGS BOOK STORE
San Diego, Cal.



5



Madison - Park NE RR Spk	351.775
Alabama Florida SE RR Spk	339.530
Alabama SW "	338.916
" Mississippi "	350.369
" Louisiana SW. Mon	351.130

all curb stks set from B.M. at Park Blvd.

W. Line of Alabama St.

310'	W. Line 332.25	332.0	331.40	331.50	330.85	331.0	331.25
300	331.18	331.93	331.33	331.43	330.78	330.93	331.18
275	332.02	331.77	331.17	331.27	330.62	330.77	330.92
250	331.86	331.61	331.01	331.11	330.46	330.61	330.86
225	331.70	331.45	330.85	330.95	330.30	330.45	330.70
200	331.54	331.29	330.69	330.79	330.14	330.29	330.54
175	331.38	331.13	330.53	330.63	329.98	330.13	330.38
150	331.22	330.97	330.37	330.47	329.82	329.97	330.22
125	331.06	330.81	330.21	330.31	329.66	329.81	330.06
100	330.89	330.64	330.04	330.14	329.49	329.64	329.89
75	330.73	330.48	329.88	329.98	329.33	329.48	329.73
50	330.57	330.32	329.72	329.82	329.17	329.32	329.57
25	330.41	330.16	329.56	329.66	329.01	329.16	329.41
E. Line	330.25	330.0	329.40	329.50	328.85	329.0	329.25

E. Line of Florida St.

E. Line	330.25	330.0	329.40	329.50	328.85	329.0	329.25
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E. Corb.	330.0	330.0	328.75	328.50	328.25	329.0	329.0
		329.0				328.0	

E 1/4	329.85	329.67	329.51	329.35	329.19	329.03	328.85
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Center	330.50	330.32	330.16	330.0	329.84	329.68	329.50
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W 1/4	330.40	330.22	330.06	329.90	329.74	329.58	329.40
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W. Corb.	331.0	331.0	329.75	329.50	329.25	330.0	330.0
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W. Line	331.25	331.0	330.40	330.50	329.85	330.0	330.25
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W. Line of Florida St.

330.71	330.55	330.39	330.23	330.07	329.91	329.75	329.59	329.43	329.27	329.11	328.95	328.79	328.63	328.47	328.31	328.15	327.99	327.83	327.67	327.51	327.35	327.19	327.03	326.87	326.71	326.55	326.39	326.23	326.07	325.91	325.75	325.59	325.43	325.27	325.11	324.95	324.79	324.63	324.47	324.31	324.15	323.99	323.83	323.67	323.51	323.35	323.19	323.03	322.87	322.71	322.55	322.39	322.23	322.07	321.91	321.75	321.59	321.43	321.27	321.11	320.95	320.79	320.63	320.47	320.31	320.15	320.0
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cut stakes 2/10/10

330.03	330.15	330.27	330.39	330.51	330.63	330.75	330.87	330.99	331.11	331.23	331.35	331.47	331.59	331.71	331.83	331.95	332.07	332.19	332.31	332.43	332.55	332.67	332.79	332.91	333.03	333.15	333.27	333.39	333.51	333.63	333.75	333.87	333.99	334.11	334.23	334.35	334.47	334.59	334.71	334.83	334.95	335.07	335.19	335.31	335.43	335.55	335.67	335.79	335.91	336.03	336.15	336.27	336.39	336.51	336.63	336.75	336.87	336.99	337.11	337.23	337.35	337.47	337.59	337.71	337.83	337.95	338.07	338.19	338.31	338.43	338.55	338.67	338.79	338.91	339.03	339.15	339.27	339.39	339.51	339.63	339.75	339.87	339.99
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curve 3 property

330.03	330.15	330.27	330.39	330.51	330.63	330.75	330.87	330.99	331.11	331.23	331.35	331.47	331.59	331.71	331.83	331.95	332.07	332.19	332.31	332.43	332.55	332.67	332.79	332.91	333.03	333.15	333.27	333.39	333.51	333.63	333.75	333.87	333.99	334.11	334.23	334.35	334.47	334.59	334.71	334.83	334.95	335.07	335.19	335.31	335.43	335.55	335.67	335.79	335.91	336.03	336.15	336.27	336.39	336.51	336.63	336.75	336.87	336.99	337.11	337.23	337.35	337.47	337.59	337.71	337.83	337.95	338.07	338.19	338.31	338.43	338.55	338.67	338.79	338.91	339.03	339.15	339.27	339.39	339.51	339.63	339.75	339.87	339.99
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Curve stakes, paid in

sub from B.M. at Park Blvd.

330.03	330.15	330.27	330.39	330.51	330.63	330.75	330.87	330.99	331.11	331.23	331.35	331.47	331.59	331.71	331.83	331.95	332.07	332.19	332.31	332.43	332.55	332.67	332.79	332.91	333.03	333.15	333.27	333.39	333.51	333.63	333.75	333.87	333.99	334.11	334.23	334.35	334.47	334.59	334.71	334.83	334.95	335.07	335.19	335.31	335.43	335.55	335.67	335.79	335.91	336.03	336.15	336.27	336.39	336.51	336.63	336.75	336.87	336.99	337.11	337.23	337.35	337.47	337.59	337.71	337.83	337.95	338.07	338.19	338.31	338.43	338.55	338.67	338.79	338.91	339.03	339.15	339.27	339.39	339.51	339.63	339.75	339.87	339.99
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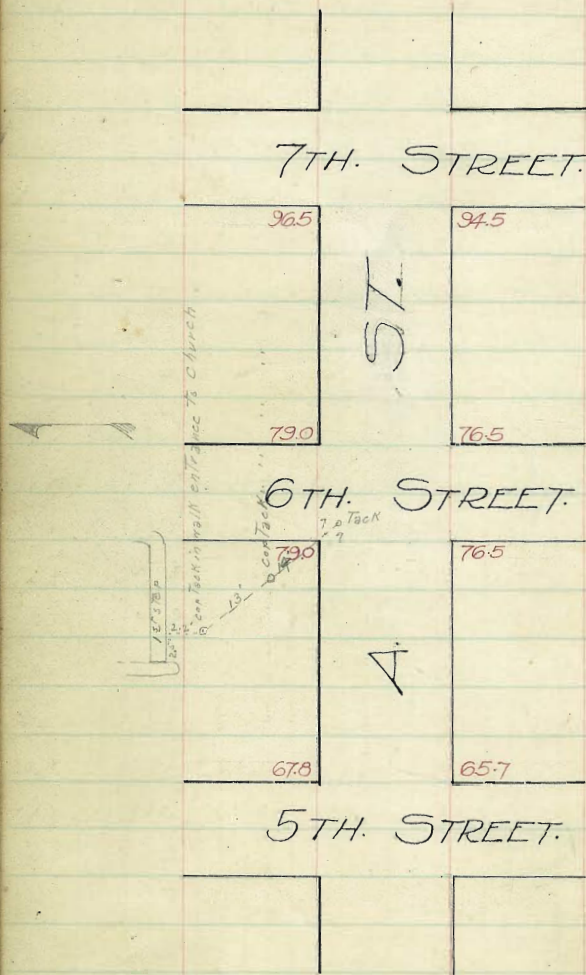
7/11 sub-grade checks O.K. excepted

gutter should be cut across F. gutter line of Florida

A. AVENUE.

98.27 B.M. N.E. cor. 7th & A

12



NORTH.

A ST.

SOUTH.

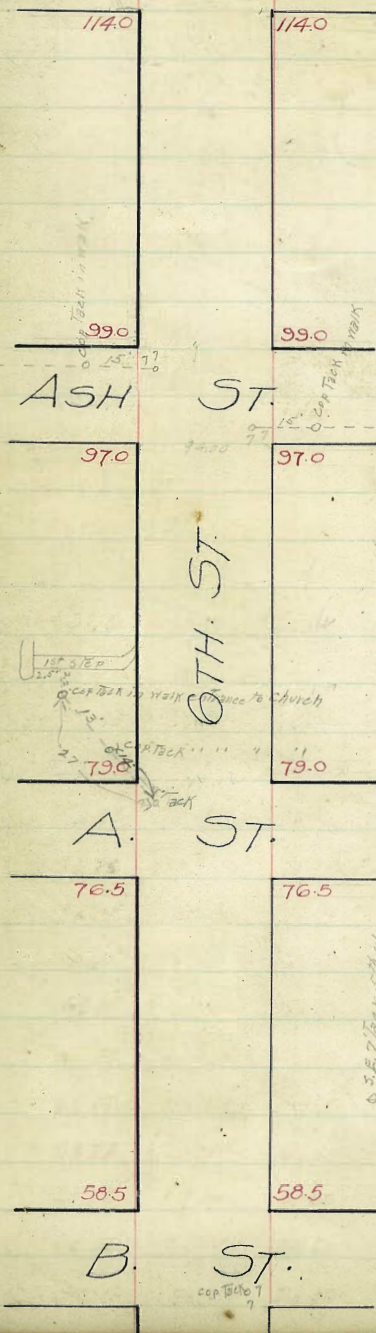
N.P.L.	Curb.	1/4	1/2	3/4	Curb	S.P.L.
200 = W.L. 7 ST. = 96.75	96.50	95.90	95.50	94.60	94.50	94.75
175 E	94.56	94.31	93.71	93.28	92.37	92.50
150 E	92.37	92.12	91.52	91.06	90.13	90.25
125 E	90.19	89.94	89.34	88.85	87.90	88.00
100 E	88.00	87.75	87.15	86.62	85.66	85.75
75 E	85.81	85.56	84.96	84.40	83.43	83.50
50 E	83.63	83.38	82.78	82.19	81.19	81.25
25 E	81.44	81.19	80.59	79.97	78.96	79.00
E.L. 6 ST. 79.25	79.00	78.40	77.75	76.72	76.50	76.75

N.P.L.	Curb.	1/4	1/2	3/4	Curb	S.P.L.
200 = W Line 6 ST. 79.25	79.00	78.40	77.75	76.72	76.50	76.75
175 E	77.85	77.60	77.00	76.38	75.37	75.40
150 E	76.45	76.20	75.60	75.00	74.00	74.05
125 E	75.05	74.80	74.20	73.63	72.64	72.70
100 E	73.65	73.40	72.80	72.25	71.28	71.35
75 E	72.25	72.00	71.40	70.87	69.91	70.00
50 E	70.85	70.60	70.00	69.50	68.55	68.65
25 E	69.45	69.20	68.60	68.12	67.19	67.30
E Line 5 ST. 68.05	67.80	67.20	66.75	65.83	65.70	65.95

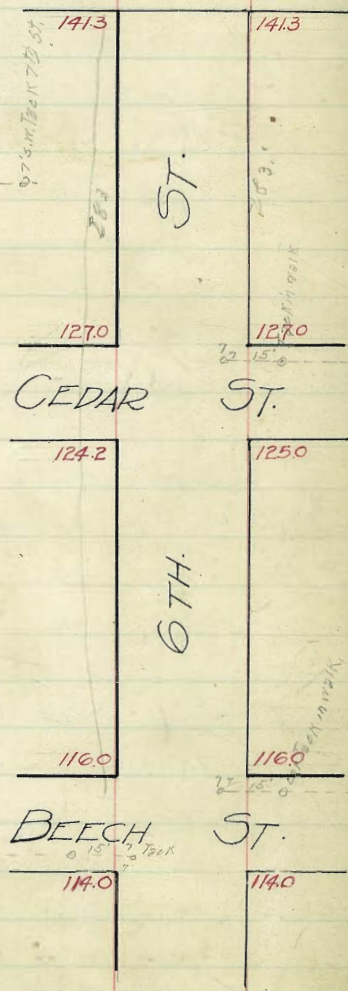
21.1 + 3.0M. 1/2 M. 1/2 2.05
 21.23 H.T.
 51.23 21.23 31.23
 76.45 71.35 62.65
 4.78 9.88 12.58
 2.78 8.75 11.88
 1.18 +1.1 4.07
 21.23 21.23
 74.05
 7.18
 5.38
 +1.8
 81.14
 3.18
 84.24 H.T.
 76.50
 7.74
 98.27 B.M.
 0.08
 98.35 H.T.
 96.50
 1.85
 81.14
 7.74
 92.12 87.75
 6.23 10.60
 5.00 0.31
 88.06 H.T. 79.00
 83.38
 4.68
 71.10
 9.27 6.840
 11.97
 73.80
 6.57
 79.00
 3.74
 82.74 82.74 82.74
 82.74 82.74 82.74
 76.50
 2.56
 79.06 79.06 79.06
 95.90 75.50 74.60
 3.16 3.56 4.46
 65.70
 7.03
 72.73 72.73
 65.80 64.75 67.20
 6.90 5.98 5.53
 an 1/4 bet 5 + 6 - 7. 1/4 = .3 to 4 low - balance OK.

at south curb, bet 6 + 7 ST. on A ST. work curb + walk inside 15 from
 21.23 west + then line gradual fall to E.P.L. on 6 ST. thru about 1/2
 7 curb bet 6 + 7 on A ST. OK for grade + line. 1 bad crack.
 1/4 bet 6 + 7 on A from 3 to 4 low all way. balance ST. OK.
 an 1/4 bet 5 + 6 - 7. 1/4 = .3 to 4 low - balance OK.

BEECH ST.



1400 ACRE
CITY PARK.



76.20	94.0
6.96	90.8
83.16 #1	103.08 H.S.
17.75	98.0
5.41	5.08
	118.94
	5.41 #2
	119.35 H.S.
	115.0
	4.35

14

WEST

EAST

N.L. A ST 7925	79.00	78.60	79.00	78.60	79.00	79.25
N.C.	79.00	79.00 78.00	78.16	78.56	78.16	79.00 78.00
N 1/4	78.40	77.38	77.75	78.16	77.75	77.38 78.40
E	77.75	76.75	77.35	77.75	77.35	76.75 77.75
A. STREET.						
S 1/4	76.72	76.13	76.94	77.34	76.94	76.13 76.72
3C.	76.50	76.50 75.50	76.54	76.94	76.54	76.50 75.50
S.L.	76.75	76.50	76.10	76.50	76.10	76.50 76.75
300 = V						
S.L. A ST 76.75	76.50	76.10	76.50	76.10	76.50	76.75
275	75.25	75.00	74.60	75.00	74.60	75.00 75.25
250 V	73.75	73.50	73.10	73.50	73.10	73.50 73.75
225	72.25	72.00	71.60	72.00	71.60	72.00 72.25
200 V	70.75	70.50	70.10	70.50	70.10	70.50 70.75
175	69.25	69.00	68.60	69.00	68.60	69.00 69.25
150 V	67.75	67.50	67.10	67.50	67.10	67.50 67.75
125	66.25	66.00	65.60	66.00	65.60	66.00 66.25
100 V	64.75	64.50	64.10	64.50	64.10	64.50 64.75
75	63.25	63.00	62.60	63.00	62.60	63.00 63.25
50	61.75	61.50	61.10	61.50	61.10	61.50 61.75
25	60.25	60.00	59.60	60.00	59.60	60.00 60.25
N.L. B ST 58.75	58.50	58.10	58.50	58.10	58.50	58.75

8114 Bm 2 W A 46

8436	8436	8436	8436	8436	8436	8436
8436	8436	8436	8436	8436	8436	8436
8436	8436	8436	8436	8436	8436	8436
8436	8436	8436	8436	8436	8436	8436
8436	8436	8436	8436	8436	8436	8436
8436	8436	8436	8436	8436	8436	8436
8436	8436	8436	8436	8436	8436	8436
8436	8436	8436	8436	8436	8436	8436
8436	8436	8436	8436	8436	8436	8436
8436	8436	8436	8436	8436	8436	8436

1-14-13 Lowering of water pipe

69.02	69.02	69.02	69.02	69.02	69.02	69.02
69.02	69.02	69.02	69.02	69.02	69.02	69.02
69.02	69.02	69.02	69.02	69.02	69.02	69.02
69.02	69.02	69.02	69.02	69.02	69.02	69.02
69.02	69.02	69.02	69.02	69.02	69.02	69.02
69.02	69.02	69.02	69.02	69.02	69.02	69.02
69.02	69.02	69.02	69.02	69.02	69.02	69.02
69.02	69.02	69.02	69.02	69.02	69.02	69.02
69.02	69.02	69.02	69.02	69.02	69.02	69.02
69.02	69.02	69.02	69.02	69.02	69.02	69.02

3rd side of Raked West 2

82.25	82.25	82.25	82.25	82.25	82.25	82.25
82.25	82.25	82.25	82.25	82.25	82.25	82.25
82.25	82.25	82.25	82.25	82.25	82.25	82.25
82.25	82.25	82.25	82.25	82.25	82.25	82.25
82.25	82.25	82.25	82.25	82.25	82.25	82.25
82.25	82.25	82.25	82.25	82.25	82.25	82.25
82.25	82.25	82.25	82.25	82.25	82.25	82.25
82.25	82.25	82.25	82.25	82.25	82.25	82.25
82.25	82.25	82.25	82.25	82.25	82.25	82.25
82.25	82.25	82.25	82.25	82.25	82.25	82.25

Cor bet A+B OK for grade. Alignment pair - 2 off line in places.

That check OK for grade with 1/4"

WEST 80 WIDE 14 WALKS 13 1/4'S EAST

127.25
N.L Cedar 127.00 126.60 127.00 126.60 127.00 127.25

N.C. 127.00 127.00 126.14 126.58 126.21 127.00 127.00
126.00

N 1/4 126.40 125.30 125.72 126.19 125.86 125.50 126.40

E 125.60 124.60 125.30 125.80 125.50 125.00 126.00

CEDAR STREET.

S 1/4 124.50 123.90 124.88 125.41 125.14 124.50 125.10

S.C. 124.20 123.20 124.46 125.02 124.79 125.00 125.00

S.L. 124.45 124.20 124.00 124.60 124.40 125.00 125.25

300=
S.L. Cedar 124.45 124.20 124.00 124.60 124.40 125.00 125.25

275 123.77 123.52 123.30 123.89 123.67 124.25 124.50

250 123.08 122.83 122.60 123.17 122.93 123.50 123.75

225 122.40 122.16 121.90 122.45 122.20 122.75 123.00

200 121.72 121.47 121.20 121.73 121.47 122.00 122.25

175 121.03 120.78 120.50 121.02 120.73 121.25 121.50

150 120.35 120.10 119.80 120.30 120.00 120.50 120.75

125 119.67 119.42 119.10 119.58 119.27 119.75 120.00

100 118.98 118.73 118.40 118.87 118.53 119.00 119.25

75 118.30 118.05 117.70 118.15 117.80 118.25 118.50

50 117.61 117.36 117.00 117.43 117.07 117.50 117.75

25 116.93 116.68 116.30 116.76 116.33 116.75 117.00

N.L Beech 116.25 116.00 115.60 116.00 115.60 116.00 116.25

124.11 6233 119 70 Cedar SW

124.17 6233 119 70 Cedar SW

Cuts E.P.L. 6 St. West Evals. 10/27/13

18

182.23	182.23	182.23	182.23	125.71	125.71	125.71	125.71
5.03	6.20	7.52	8.85	2.81	3.51	4.21	4.91
127.20	126.60	124.71	124.15 = TP	123.41	122.20	121.50	119.11
125.25	123.75	121.75	119.75	120.75	119.25	117.75	116.25
C 1.75	C 2.25	C 2.42	125.71 = 12	C 2.62	C 2.95	C 3.25	C 3.50
124.11	2.56	123.50	122.0	120.50	119.0	117.50	
126.67 Ht.	3.17	4.67	6.17	7.67	9.17		
125.0	11.17	115.50 J.P.	116.00				
1.67	3.61		3.11				
	119.11 Ht.						
125.00	124.20	127.00	127.26	127.26	127.26	127.26	2926 2926 2926
4.21	5.12	2.32	126.60	127.00	126.60	124.00	2460 2460 2460
129.21	129.32	129.32	2.66	2.24	2.60	5.24	7.60 7.80
		ax = 129.21 - 41					
129.26	2926	2926	2926	2926	2926	2926	
26.40	25.60	24.50	26.40	26.00	25.10		
7.86	3.66	4.76	7.86	3.26	4.16		
F 0.6							

w. walk not replaced - E walk is 5' wide 4' from PL.
 W. cut on 6 St. bet Beech & Cedar has been broken & clipped
 by flowing along gutters. Should be repaired.
 E cut on 6 St. from Beech to Cedar has for alignment, in place
 1 out of 2 cut. 4 grade with fan.
 Street checks OK for grade, except 11.50' on walk
 where bank has caved into walk. West 1/2 on

WEST

282.78 = 141.55							
SL City Park	141.30	140.90	141.30	140.90	141.30	141.55	
275	141.15	140.90	140.50	140.90	140.90	141.15	
250	139.88	139.63	139.23	139.63	139.23	139.63	139.88
225	138.62	138.37	137.97	138.37	137.97	138.37	138.62
200	137.36	137.11	136.71	137.11	136.71	137.11	137.36
175	136.09	135.84	135.44	135.84	135.44	135.84	136.09
150	134.83	134.58	134.18	134.58	134.18	134.58	134.83
125	133.57	133.32	132.92	133.32	132.92	133.32	133.57
100	132.30	132.05	131.65	132.05	131.65	132.05	132.30
75	131.04	130.79	130.39	130.79	130.39	130.79	131.04
50	129.78	129.53	129.13	129.53	129.13	129.53	129.78
25	128.51	128.26	127.86	128.26	127.86	128.26	128.51
Nt Cedar	127.25	127.00	126.60	127.00	126.60	127.00	127.25

EAST

142.17 - on SW grade Cuts on PL East side Gate

19

142.68	142.68	142.68	142.68	142.68	142.68	142.68
0.68	2.48	4.92	7.36	9.80	12.24	14.68
142.00	141.20	137.76	135.04	133.36	131.36	130.00
141.55	139.88	137.36	134.84	132.32	129.78	127.25
Ca. 45	60.32	20.40	20.85	21.08	21.60	22.25

132.23
0.00
132.23
127.25
5.98

West Evans 10/27/18.

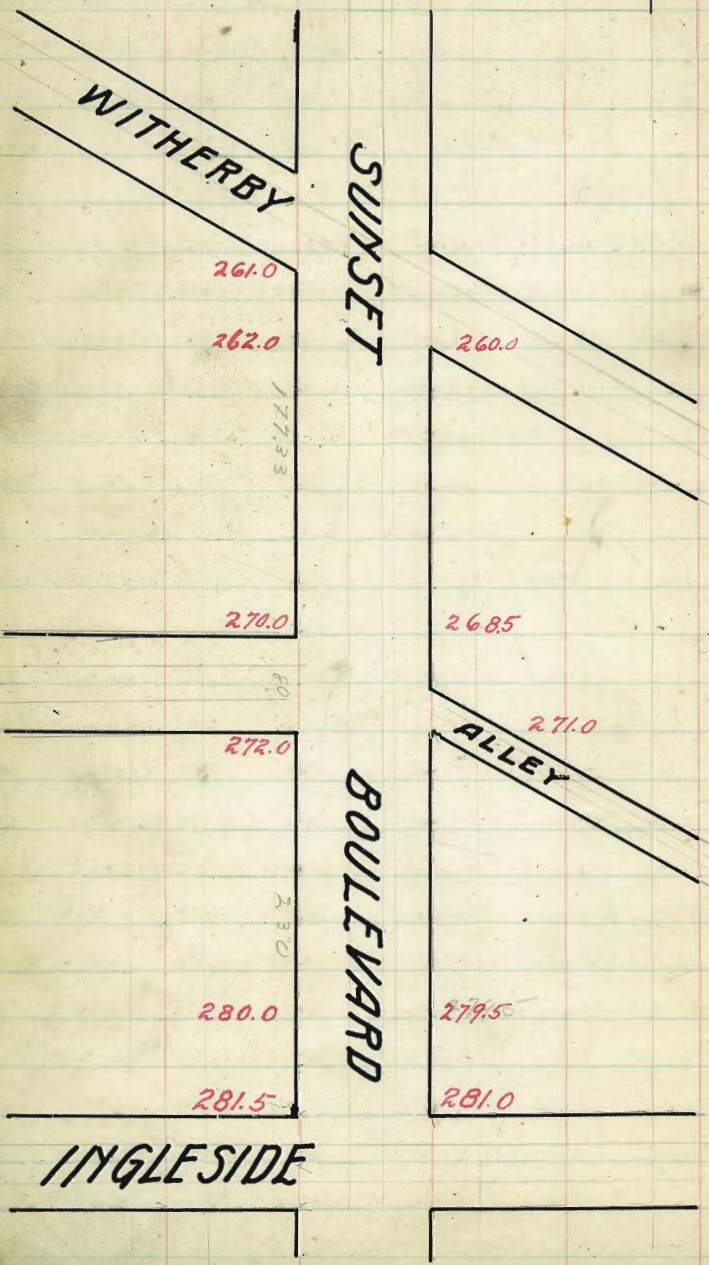
142.17						
0.98						
143.15 H.I.	139.63	137.11	134.58	132.05	132.05	127.00
141.30	3.52	6.04	8.57	11.10	132.91 H.I.	5.91
1.85					129.63	8.82
					3.38	0.9

142.17
4.29
146.46
140.90
5.56

146.46
141.30
5.16

Street grade OK between Cedar & S L. Park.
E. cut. is OK for line at both ends but
low in to P.L. as much as 2 in
center of Mark + gradually bents to
must line at each end. Grade is OK.
Walk is 5' 4" wide - 4' from P.L.

21



207.26	261.00						
414033		260.4					
125	261.35						
		260.5					
4400	261.78						
				259.85			
1133	262.25	262.0	261.4	261.0	260.1	260.0	260.25
	BREAK						
175	262.80	262.55	261.95	261.36	260.67	260.58	261.83
50	263.93	263.08	263.08	262.75	261.85	261.78	262.03
25	265.06	264.81	264.21	263.89	263.03	262.98	263.23
3	266.19	265.94	265.34	265.055	264.21	264.18	264.43
75	267.32	267.07	266.47	266.22	265.39	265.38	265.63
150	268.45	268.20	267.60	267.38	266.58	266.58	266.83
225	269.57	269.32	268.72	268.55	267.71	267.78	268.03
300	270.70	270.00	269.4	269.5	268.67	268.5	268.75
	BREAK						
475	270.86	270.35	269.75	269.44	268.89	268.94	269.19
650	270.92	270.67	270.07	270.01	269.27	269.34	269.59
825	271.25	271.0	270.40	270.375	269.66	269.75	270.00
1000	271.57	271.32	270.72	270.75	270.04	270.15	270.40
1175	271.90	271.65	271.05	271.11	270.43	270.56	270.81
1350	272.25	272.0	271.4	271.5	270.85	271.0	271.25
	BREAK						
1525	273.32	273.07	272.44	272.58	271.94	272.11	272.36
1700	275.63	275.38	274.76	274.87	274.36	274.57	274.82
1875	277.94	277.69	277.08	277.26	276.78	277.03	277.28
2050	280.25	280.0	279.4	279.75	279.22	279.5	279.75
	BREAK						
2225	281.00	280.75	280.15	280.50	279.97	280.25	280.5
2400	281.75	281.5	280.9	281.26	280.72	281.0	281.25

INGLESIDE AVENUE

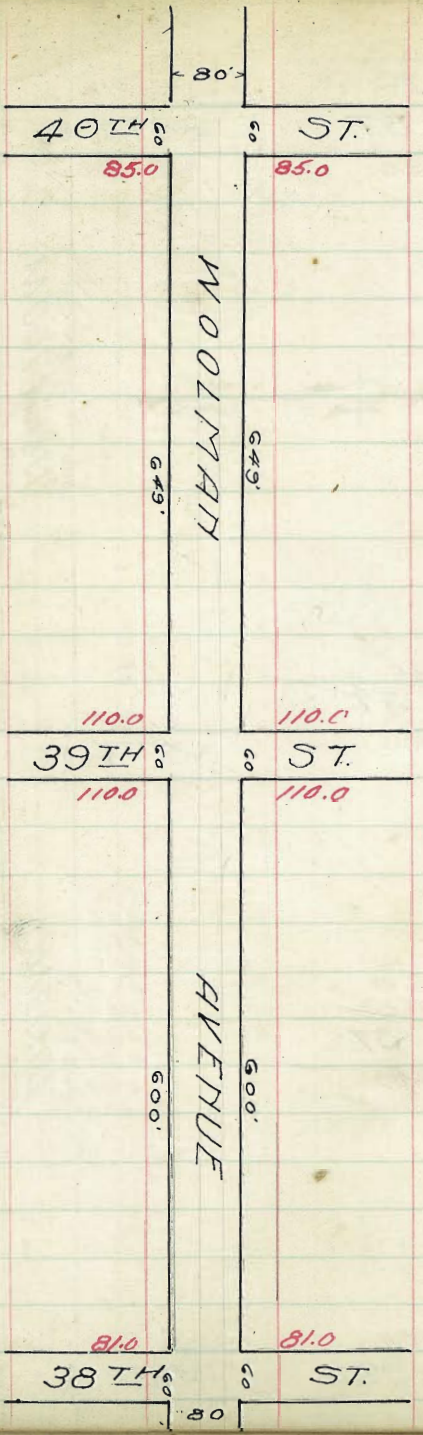
SOUTH

NORTH

WITHERBY

450	261.25	261.0							
			260.4						
				260.5					
					259.85				
BREAK									
473	262.25	262.0	261.4	261.0	260.1	260.0	260.25	+1.6	+2.0
475	262.95	262.70	262.1	261.71	260.84	260.74		+4.3	+1.7
450	265.38	265.13	264.53	263.95	263.10	262.04		+3.2	0.0
425	267.81	267.56	266.96	266.19	265.26	265.34	59	+2.3	-0.2
3100	270.17	269.92	269.38	268.42	267.63	267.65	267.90	+1.3	-0.6
190	270.25	270.00	269.4	269.25	268.47	268.5	268.75	+2	
BREAK									
476	270.60	270.35	269.75	269.64	268.89	268.94	269.19	+2.2	+0.7
444	270.92	270.67	270.07	270.01	269.27	269.34	269.59		
450	271.25	271.00	270.40	270.37	269.66	269.75	270.00	+2.8	+1.3
437	271.57	271.32	270.72	270.75	270.04	270.15	270.40		
424	271.90	271.65	271.05	271.11	270.42	270.56	270.81	+2.3	+1.0
410	272.25	272.0	271.4	271.5	270.85	271.0	271.25		
BREAK									
2	272.75	272.5	271.9	272.02	271.37	271.53	271.78	+1.5	+1.0
475	274.0	273.75	273.15	273.31	272.68	272.86	273.11	+0.9	+0.9
350	275.25	275.0	274.4	274.60	273.99	274.19	274.44	+0.8	+0.6
25	276.5	276.25	275.65	275.89	275.30	275.52	275.77	+0.9	+0.2
140	277.75	277.50	276.9	277.18	276.560	276.85	277.10	+1.1	-0.6
BREAK									
475	279.00	278.75	278.15	278.47	277.81	278.18	278.43	+1.1	+0.2
350	280.25	280.00	279.4	279.75	279.22	279.5	279.75	+0.6	+0.3
BREAK									
	281.00	280.75	280.15	280.50	279.97	280.25	280.5	+0.4	+0.6
	281.75	281.5	280.9	281.35	280.72	281.0	281.25	+0.4	+0.9

INGLE SIDE



80' STREET
14' WALKS
13' QUARTERS

WOOLMAN AVENUE GRADES

30TH ST. To

31ST ST.

NORTH

31ST

STREET SOUTH

25

6	48.75	48.15	47.9	47.75	46.97	47.0	47.25	+1.4	+6.9
17.5	50.21	49.96	49.36	49.25	48.43	48.45	48.70	+2.5	+3.4
30	51.66	51.41	50.81	50.70	49.89	49.91	50.16	+2.8	+2.0
42.5	53.12	52.87	52.27	52.18	51.35	51.36	51.61	+1.9	+0.2
55	54.57	54.32	53.72	53.65	52.81	52.82	53.07	+0.7	-2.4
67.5	56.03	55.78	55.18	55.13	54.27	54.27	54.52	-0.4	-4.6
80	57.48	57.23	56.63	56.60	55.73	55.72	55.97	-1.0	-6.4
92.5	58.93	58.68	58.08	58.08	57.20	57.18	57.43	-1.0	-7.8
105	60.39	60.14	59.54	59.55	58.66	58.63	58.88	-1.8	-8.7
117.5	61.84	61.59	60.99	61.03	60.12	60.08	60.33	-3.0	-6.8
130	63.30	63.05	62.45	62.50	61.58	61.54	61.89	-2.9	-5.0
142.5	64.76	64.51	63.91	63.98	63.04	62.99	63.24	-2.7	-2.5
155	66.22	65.97	65.37	65.45	64.50	64.45	64.70	-0.7	-1.0
167.5	67.68	67.43	66.83	66.92	65.97	65.9	66.15	+1.6	+0.8
180	69.15	68.90	68.3	68.50	67.55	67.5	67.75		
192.5	70.61	70.36	69.76	69.85	68.9	68.85	69.1	+2.2	+0.2
205	72.07	71.82	71.22	71.31	70.37	70.35	70.60	+2.0	-0.3
217.5	73.53	73.28	72.68	72.77	71.83	71.81	72.06	+2.4	-1.2
230	74.99	74.74	74.14	74.23	73.29	73.27	73.52	+2.0	-1.8
242.5	76.45	76.2	75.6	75.69	74.75	74.73	74.98	+2.0	-0.8
255	77.91	77.66	77.06	77.15	76.21	76.19	76.44	+2.4	-0.9
267.5	79.37	79.12	78.52	78.61	77.67	77.65	77.9	+2.3	-1.0
280	80.83	80.58	80.0	80.09	79.15	79.13	79.38	+1.6	-1.2
292.5	82.29	82.04	81.44	81.53	80.59	80.57	80.82	+1.5	-1.4
305	83.75	83.5	82.9	82.99	82.05	82.03	82.28	+1.6	-1.5
317.5	85.21	84.96	84.36	84.45	83.51	83.49	83.74	+0.6	-1.7

30TH

STREET

WOOLMAN AVENUE GRADES
31ST STREET INTERSECTION

NORTH

SOUTH

26

EAST LINE

47.75 47.5 46.9 46.75 45.99 46.0 46.25

EAST CURB

47.5 47.5 46.0 46.0
46.5 46.5 46.13 45.75 45.37 46.0 45.0

EAST QUARTER

47.35 47.10 46.85 46.60 46.35 46.10 45.85

DRAINS →

CENTER

48.0 47.75 47.50 47.25 47.0 46.75 46.5

WEST QUARTER

47.9 47.65 47.40 47.15 46.90 46.65 46.4

WEST CURB

47.5 47.5 47.13 46.75 46.37 46.0 46.0
48.5 48.5 47.0 47.0

WEST LINE

48.75 48.5 48.4 47.75 46.99 47.0 47.25

WOOLMAN STREET GRADES

31ST ST. to 32ND ST.

NORTH

SOUTH

32ND STREET

6	59.25	59.0	58.40	58.50	57.85	58.00	58.25	+0.2	-3.2
7.5	58.77	58.52	57.92	58.01	57.35	57.5	57.75	+0.4	-0.9
50	58.29	58.04	57.44	57.52	56.86	57.0	57.25	+1.9	+4.6
25	57.81	57.56	56.96	57.03	56.36	56.5	56.75	+4.7	+8.6
5	57.33	57.08	56.48	56.54	55.87	56.0	56.25	+7.1	+6.3
7.5	56.85	56.60	56.00	56.05	55.39	55.5	55.75	+8.9	+6.8
50	56.37	56.12	55.52	55.56	54.89	55.0	55.25	+9.7	+8.3
25	55.89	55.64	55.04	55.07	54.38	54.50	54.75	+10.0	+15.2
4	55.31	55.16	54.56	54.58	53.89	54.0	54.25	+10.7	+14.9
7.5	54.93	54.68	54.08	54.09	53.39	53.5	53.75	+9.9	+13.9
50	54.45	54.20	53.60	53.60	52.90	53.0	53.25	+9.0	+14.1
25	53.97	53.72	53.12	53.11	52.40	52.5	52.75	+8.6	+13.0
3	53.50	53.25	52.65	52.62	51.91	52.0	52.25	+6.5	+12.0
7.5	53.03	52.78	52.18	52.14	51.41	51.5	51.75	+6.5	+10.6
50	52.55	52.30	51.70	51.65	50.92	51.0	51.25	+4.6	+9.2
25	52.07	51.82	51.22	51.16	50.42	50.5	50.75	+3.3	+7.0
2	51.59	51.34	50.74	50.67	49.93	50.0	50.25	-2.5	-2.9
7.5	51.11	50.86	50.26	50.18	49.43	49.5	49.75	-8.1	-3.0
50	50.63	50.38	49.78	49.69	48.94	49.0	49.25	-8.7	-9.2
25	50.15	49.90	49.30	49.20	48.44	48.5	48.75	-8.8	-11.8
1	49.67	49.42	48.82	48.71	47.95	48.0	48.25	-9.3	-12.8
7.5	49.19	48.94	48.34	48.22	47.45	47.5	47.75	-10.5	-14.2
50	48.71	48.46	47.86	47.73	46.96	47.0	47.25	-12.4	-13.7
25	48.23	47.98	47.38	47.24	46.46	46.50	46.75	-11.7	-10.3
0	47.75	47.5	46.90	46.75	45.97	46.0	46.25	-9.1	-3.4

31ST STREET

WOOLMAN AVENUE GRADES
32ND STREET INTERSECTION

NORTH

SOUTH

28

EAST LINE

59.25 59.0 58.40 58.50 57.85 58.0 58.25

EAST CURB

59.0 59.0 58.0 58.0

58.0 58.0 57.75 57.50 57.25 57.0 57.0

EAST QUARTER

58.6 58.43 58.27 58.1 57.93 57.77 57.6

CENTER

59.0 58.83 58.67 58.5 58.33 58.17 58.0

WEST QUARTER

58.6 58.43 58.27 58.1 57.93 57.77 57.6

WEST CURB

58.0 58.0 57.75 57.5 57.25 57.0 57.0

59.0 59.0 58.0 58.0

WEST LINE

59.25 59.00 58.40 58.50 57.85 58.0 58.25

WOOLMAN AVENUE GRADES
 32ND ST. 16 33RD ST.
 NORTH 33RD STREET SOUTH

128.0
 34.25 34.0

3+28.5 33.4

3+19 35.65 33.75

3+9.5 33.22

3+30	34.75	34.5	33.9	34.00	32.85	33.5	33.75	+6.7	+5.8
75	36.89	36.54	35.94	36.04	34.89	36.54	35.99	+8.1	+5.8
50	38.83	38.58	37.98	38.08	36.93	37.58	37.83	+8.5	+5.4
25	40.87	40.62	40.02	40.12	38.97	39.62	39.87	+8.5	+4.4
2	42.91	42.66	42.06	42.16	40.91	41.66	41.91	+5.9	+1.9
75	44.95	44.70	44.10	44.20	43.05	43.70	43.95	+3.6	-3.6
50	47.00	46.75	46.15	46.25	45.10	45.75	46.00	+2.8	-3.7
25	49.04	48.79	48.19	48.29	47.14	47.79	48.04	+3.5	-0.3
1	51.08	50.83	50.23	50.33	49.18	49.83	50.08	+5.1	+3.4
75	53.12	52.87	52.27	52.37	51.22	51.87	52.12	+8.0	+5.7
50	55.16	54.91	54.31	54.41	53.26	53.91	54.16	+8.8	+4.7
25	57.20	56.95	56.35	56.45	55.30	55.95	56.20	+8.4	+0.9
0	59.25	59.0	58.4	58.50	57.35	58.0	58.25	+6.1	+3.0

32ND STREET

WOOLMAN AVENUE GRADES
33RD STREET INTERSECTION
NORTH SOUTH

80

EAST LINE

32.25 32.0 31.4 31.75 31.22 31.5 31.75

EAST CURB

32.0 32.0 31.73 32.08 31.55 31.5 31.5

31.0 31.0 30.5 30.6

EAST QUARTER

32.1 31.5 32.07 32.42 33.89 31.0 31.4

CENTER

33.0 32.0 32.4 32.75 32.22 31.5 32.5

WEST QUARTER

32.6 32.5 32.73 33.08 32.55 32.0 32.9

WEST CURB

33.0 33.0 33.07 32.42 32.89 32.5 32.5

34.0 34.0 33.5 33.5

WEST LINE

34.25 34.0 33.4 33.75 33.22 33.5 33.75

WOOLMAY AVENUE GRADE

33RD ST. to FELTON ST.

NORTH

SOUTH

FELTON STREET

+38	14.75	14.5	14.1	14.5	14.1	14.5	14.75	-1.2	-2.0
+25	15.45	15.2	14.79	15.18	14.77	15.16	15.41	-2.0	-2.6
3	16.74	16.49	16.07	16.43	16.01	16.38	16.63	-3.3	-3.7
+75	18.03	17.78	17.35	17.69	17.24	17.60	17.85		
+50	19.33	19.08	18.62	18.94	18.48	18.82	19.07		
+25	20.62	20.37	19.90	20.20	19.72	20.04	20.29		
2	21.91	21.66	21.18	21.45	20.96	21.26	21.51		
+75	23.20	22.95	22.46	22.70	22.19	22.47	22.72		
+50	24.49	24.24	23.73	23.96	23.43	23.69	23.94		
+25	25.79	25.54	25.01	25.21	24.67	24.91	25.17	-11.0	-15.5
1	27.08	26.83	26.29	26.46	25.90	26.13	26.38	+2.4	-15.5

+63	28.37	28.12	27.57	27.71	27.14	27.33	27.60	+3.7	-7.9
+75									
+50	29.66	29.40	28.94	28.97	28.38	28.57	28.82	+2.7	-2.4
+25	30.95	30.70	30.12	30.23	29.61	29.79	30.04	+2.8	+1.8
0	32.25	32.00	31.40	31.5	30.85	31.0	31.25	+2.3	+2.6

Equals 33RD STREET to NORTH

+38	32.25	32.0		30.82					
+25			31.4						
+19.0				31.75					
+14.5					31.22				
0						31.5	31.75		

33RD STREET to SOUTH

WOOLMAN AVENUE GRADES
FELTON STREET INTERSECTION
NORTH SOUTH

32

EAST LINE

15.25 15.0 14.6 15.0 14.6 15.0 15.25

EAST CURB

15.0 15.0 14.52 14.92 14.52 15.0 15.00

14.0 14.0 14.0 14.0

EAST QUARTER

14.40 13.87 14.44 14.64 14.44 13.87 14.40

CENTER

14.75 13.75 14.35 14.75 14.35 13.75 14.75

WEST QUARTER

14.22 13.62 14.26 14.66 14.26 13.62 14.22

WEST CURB

13.5 13.5 14.18 14.58 14.18 13.5 13.5

14.5 14.5 14.5 14.5

WEST LINE

14.75 14.5 14.1 14.6 14.1 14.5 14.75

WOOLMAY AVENUE GRADES
 FELTON ST. to 34th ST
 NORTH SOUTH

34th STREET

48	19.25	19.0	18.6	19.0	18.6	19.0	19.25	-4.0	-4.2
25	19.04	18.79	18.39	18.79	18.39	18.79	19.04	-4.7	-4.7
4	18.82	18.57	18.17	18.57	18.17	18.57	18.82	-4.8	-4.9
75	18.60	18.35	17.95	18.35	17.95	18.35	18.60	-5.0	-5.0
50	18.37	18.12	17.72	18.12	17.72	18.12	18.37	-4.7	-4.6
25	18.15	17.90	17.50	17.90	17.50	17.90	18.15	-4.5	-4.6
3	17.93	17.68	17.28	17.68	17.28	17.68	17.93	-5.0	-4.6
75	17.70	17.45	17.05	17.45	17.05	17.45	17.70	-5.3	-4.7
50	17.48	17.23	16.83	17.23	16.83	17.23	17.48	-5.0	-5.7
25	17.26	17.01	16.61	17.01	16.61	17.01	17.26	-4.9	-5.2
2	17.03	16.78	16.38	16.78	16.38	16.78	17.03	-4.3	-4.2
75	16.81	16.56	16.16	16.56	16.16	16.56	16.81	-4.0	-3.8
50	16.59	16.34	15.94	16.34	15.94	16.34	16.59	-3.7	-3.7
25	16.36	16.12	15.72	16.12	15.72	16.12	16.37	-3.6	-3.4
1	16.14	15.89	15.49	15.89	15.49	15.89	16.14	-3.1	-3.6
75	15.92	15.67	15.27	15.67	15.27	15.67	15.92	-2.8	-3.0
50	15.70	15.45	15.05	15.45	15.05	15.45	15.70	-2.3	-2.2
25	15.47	15.22	14.82	15.22	14.82	15.22	15.47	-1.9	-2.3
0	15.25	15.0	14.6	15.0	14.6	15.0	15.25	-1.7	-1.7

FELTON STREET

WOOLMAN AVE GRADES
 34TH STREET INTERSECTION
 NORTH SOUTH

EAST LINE

20.85 20.0 19.6 20.00 19.6 20.0 20.25

EAST CURB

20.0 20.0 19.43 19.43 19.43 20.0 20.0
 19.0 19.0 19.0 19.0

EAST QUARTER

18.75 19.27 19.47 19.27 18.75 19.4
 19.4

CENTER

19.5 18.5 19.1 19.5 19.1 18.5 19.5

WEST QUARTER

18.85 18.25 18.93 19.33 18.93 18.25 18.15

WEST CURB

18.0 18.0 18.77 19.17 18.77 18.0 18.0
 19.0 19.0 19.0 19.0

WEST LINE

19.25 19.0 18.6 19.0 18.6 19.0 19.25

WOOLMAY AVENUE GRADES
 34TH ST. NORTH to FRANCIS ST. SOUTH

FRANCIS STREET

75	45.25	45.0	44.4	44.5	43.85	44.0	44.25	+5.0	+5.7
50	42.98	42.72	42.15	42.27	41.65	41.82	42.07	+7.4	+2.9
25	40.70	40.45	39.89	40.05	39.44	39.61	39.89	+8.1	-0.1
0	38.43	38.18	37.64	37.82	37.24	37.45	37.70	+6.6	-1.5
75	36.16	35.91	35.38	35.59	35.03	35.27	35.52	+4.0	-2.1
50	33.89	33.64	33.13	33.36	32.83	33.09	33.34	-0.1	-2.9
25	31.61	31.36	30.87	31.14	30.62	30.91	31.16	-0.4	-2.8
0	29.34	29.09	28.62	28.91	28.42	28.73	28.98	-2.5	-2.7
75	27.07	26.82	26.36	26.68	26.21	26.55	26.80	+3.3	-3.0
50	24.80	24.55	24.11	24.45	24.01	24.36	24.61	-3.8	-3.0
25	22.52	22.27	21.85	22.23	21.80	22.18	22.43	-3.1	-3.1
0	20.25	20.0	19.6	20.0	19.6	20.0	20.25	-2.2	-2.7

34TH STREET

WOOLMAN AVENUE GRADES
 FRANCIS STREET INTERSECTION
 NORTH SOUTH

EAST LINE

46.25 46.0 45.6 46.0 45.6 46.0 46.25

EAST CURB

46.0 46.0 45.4 45.75 45.30 46.0 46.0
 45.0 45.0 45.0 45.0

EAST QUARTER

45.4 44.75 45.2 45.00 45.01 44.5 45.4

CENTER

45.5 44.5 45.0 45.25 44.72 44.0 45.00

WEST QUARTER

44.85 44.25 44.8 45.00 44.43 43.5 44.1

WEST CURB

44.0 44.0 44.6 44.75 44.14 43.0 43.0
 45.0 45.0 44.0 44.0

WEST LINE

45.25 45.0 44.4 44.5 43.85 44.0

WOOLMAN AVENUE GRADES
 FRANCIS ST. TO 35TH ST.
 NORTH SOUTH

35TH STREET

75	66.25	66.0	65.6	66.0	65.6	66.0	66.25	+8.2	+8.4
50	64.43	64.18	63.78	64.18	63.78	64.18	64.43	+9.8	+9.8
25	62.61	62.36	61.96	62.36	61.96	62.36	62.61	+10.6	+10.3
0	60.80	60.55	60.15	60.55	60.15	60.55	60.80	+11.2	+10.6
75	58.98	58.73	58.33	58.73	58.33	58.73	58.98	+11.6	+10.6
50	57.16	56.91	56.51	56.91	56.51	56.91	57.16	+11.1	+10.7
25	55.34	55.09	54.69	55.09	54.69	55.09	55.34	+11.3	+10.9
1	53.52	53.27	52.87	53.27	52.87	53.27	53.52	+11.2	+10.9
75	51.70	51.45	51.05	51.45	51.05	51.45	51.70	+11.5	+11.4
50	49.89	49.64	49.24	49.64	49.24	49.64	49.89	+11.2	+11.5
25	47.43	47.18	46.78	47.18	46.78	47.18	47.43	+11.9	+11.8
0	46.25	46.0	45.6	46.0	45.6	46.0	46.25	+9.3	+7.9

FRANCIS STREET

WOOLMAN AVENUE GRADES
 35TH STREET INTERSECTION
 NORTH SOUTH

EAST LINE

66.25 66.0 65.6 66.0 65.6 66.0 66.25

EAST CURB

66.0 66.0 66.0 66.0

65.0 65.0 65.6 66.0 65.6 65.0 65.0

EAST QUARTER

65.6 65.0 65.6 66.0 65.6 65.0 65.6

CENTER

66.0 65.0 65.6 66.0 65.6 65.0 66.0

WEST QUARTER

65.6 65.0 65.6 66.0 65.6 65.0 65.6

WEST CURB

65.0 65.0 65.6 66.0 65.6 65.0 65.0

66.0 66.0 66.0 66.0

WEST LINE

66.25 66.0 65.6 66.0 65.6 66.0 66.25

WOOLMAN AVENUE GRADES
 35TH ST. ^{to} 36TH ST.
 NORTH. 540 FT. SOUTH

36TH STREET

40	63.25	63.0	62.6	63.0	62.5	63.0	63.25	+6.9	+0.7
5	63.47	63.22	62.82	63.22	62.82	63.22	63.47	+2.4	-1.9
75	63.61	63.36	62.96	63.36	62.96	63.36	63.61	+2.5	-2.5
50	63.75	63.5	63.1	63.5	63.1	63.5	63.75	+1.5	-4.2
25	63.89	63.64	63.24	63.64	63.24	63.64	63.89	+0.7	-5.4
4	64.03	63.78	63.38	63.78	63.38	63.78	64.03	-0.4	-6.6
75	64.17	63.92	63.52	63.92	63.52	63.92	64.17	-1.3	-7.1
50	64.30	64.05	63.65	64.05	63.65	64.05	64.30	-2.5	-6.9
25	64.44	64.19	63.79	64.19	63.79	64.19	64.44	-5.8	-9.7
3	64.58	64.33	63.93	64.33	63.93	64.33	64.58	-7.2	-13.6
75	64.72	64.47	64.07	64.47	64.07	64.47	64.72	-9.9	-13.3
50	64.86	64.61	64.21	64.61	64.21	64.61	64.86	-8.8	-11.5
25	65.0	64.75	64.35	64.75	64.35	64.75	65.0	-6.6	-6.1
2	65.14	64.89	64.49	64.89	64.49	64.89	65.14	-2.3	+0.6
75	65.28	65.03	64.63	65.03	64.63	65.03	65.28	+3.1	+5.7
50	65.42	65.17	64.77	65.17	64.77	65.17	65.42	+7.7	+9.3
25	65.56	65.31	64.91	65.31	64.91	65.31	65.56	+10.1	+11.7
1	65.69	65.44	65.04	65.44	65.04	65.44	65.69	+11.7	+12.9
75	65.83	65.58	65.18	65.58	65.18	65.58	65.83	+12.6	+12.4
50	65.97	65.72	65.32	65.72	65.32	65.72	65.97	+12.9	+11.2
25	66.11	65.86	65.46	65.86	65.46	65.86	66.11	+12.0	+10.8
0	66.25	66.0	65.6	66.0	65.6	66.0	66.25	+10.9	+10.2

35TH STREET

WOOLMAN AVENUE GRADES
36TH STREET INTERSECTION
NORTH SOUTH

40

EAST LINE

62.25 62.0 61.6 62.0 61.6 62.0 62.25

EAST CURB

62.0 62.0 61.77 62.17 61.77 62.0 62.0
61.0 61.0 61.0 61.0

EAST QUARTER

61.85 61.25 61.94 62.34 61.94 61.25 61.85

CENTER

62.5 61.5 62.1 62.5 62.1 61.5 62.5

WEST QUARTER

62.4 61.75 62.26 62.66 62.26 61.75 62.4

WEST CURB

62.0 62.0 62.43 62.83 62.43 62.0 62.0
63.0 63.0 63.0 63.0

WEST LINE

63.25 62.0 62.6 63.0 62.6 63.0 63.25

WOOLMAN AVENUE GRADES
36TH ST. to 37TH ST.

41

	37 TH STREET								
	NORTH					SOUTH			
6	60.25	60.0	59.6	60.0	59.6	60.0	60.25	-1.8	+2.5
7.5		58.62	58.22	58.62	58.22	58.62		-2.9	
10		57.24	56.84	57.24	56.84	57.24		-1.0	+2.7
12.5		55.86	55.46	55.86	55.46	55.86		-2.1	+2.7
15		54.47	54.07	54.47	54.07	54.47		-3.7	+2.8
17.5		53.09	52.69	53.09	52.69	53.09		-5.9	+2.2
20		51.71	51.31	51.71	51.31	51.71		-5.7	+3.0
22.5	50.58	50.33	49.93	50.33	49.93	50.33	50.58	-6.6	+3.8
25	49.75	49.5	49.1	49.5	49.1	49.5	49.75		
27.5	48.15	48.1	47.7	48.1	47.7	48.1	48.15		
30	46.35	46.1	45.7	46.1	45.7	46.1	46.35		
32.5	48.15	47.9	47.5	47.9	47.5	47.9	48.15		
35	48.05	47.8	47.4	47.8	47.4	47.8	48.05		
37.5	46.25	46.0	45.6	46.0	45.6	46.0	46.25		
40	48.65	48.4	48.0	48.4	48.0	48.4	48.65		
42.5	49.25	49.0	48.6	49.0	48.6	49.0	49.25		
45	50.15	49.9	49.5	49.9	49.5	49.9	50.15		
47.5	51.15	50.9	50.5	50.9	50.5	50.9	51.15		
50	52.60	52.35	51.95	52.35	51.95	52.35	52.60	+2.1	-5.4
52.5	53.81	53.56	53.16	53.56	53.16	53.56	53.81	+3.3	-1.2
55	54.87	54.62	54.22	54.62	54.22	54.62	54.87	+7.3	-3.1
57.5	56.22	55.97	55.57	55.97	55.57	55.97	56.22	+10.2	+1.2
60	57.93	57.18	56.78	57.18	56.78	57.18	57.93	+13.5	+3.6
62.5	58.63	58.38	57.98	58.38	57.98	58.38	58.63	+14.0	+4.4
65	59.84	59.59	59.19	59.59	59.19	59.59	59.84	+13.4	+4.8
67.5	61.04	60.79	60.39	60.79	60.39	60.79	61.04	+12.0	+4.4
70	62.25	62.0	61.6	62.0	61.6	62.0	62.25	+11.8	+4.2

36TH STREET

WOOLMAN AVENUE GRADES
37TH STREET INTERSECTION

NORTH

SOUTH

42

EAST LINE

61.25 61.0 60.6 61.0 60.6 61.0 61.25

EAST CURB

61.0 61.0 60.44 60.84 60.44 61.0 61.0

60.0 60.0 60.0 60.0

EAST QUARTER

60.4 59.75 60.27 60.67 60.27 59.75 60.4

CENTER

60.5 59.5 60.1 60.5 60.1 59.5 60.5

WEST QUARTER

59.85 59.25 59.94 60.34 59.94 59.85

WEST CURB

59.0 59.0 59.77 60.17 59.77 59.0 59.0

60.0 60.0 60.0 60.0

WEST LINE

60.25 60.0 59.6 60.0 59.6 60.0 60.25

WOOLMAN AVENUE GRADES
 37TH ST. NORTH to 38TH ST. SOUTH

38TH STREET

6	80.25	80.0	79.6	80.0	79.6	80.0	80.25	+0.6	+4.6
75	79.46	79.21	78.8	79.21	78.81	79.21	79.46	+0.9	+4.4
50	78.67	78.42	78.02	78.42	78.02	78.42	78.67	+1.7	+6.5
25	77.87	77.62	77.22	77.62	77.22	77.62	77.87	-4.3	+7.8
5	77.08	76.83	76.43	76.83	76.43	76.83	77.08	+7.2	+9.3
75	76.29	76.04	75.64	76.04	75.64	76.04	76.29	+6.9	+10.6
50	75.50	75.25	74.85	75.25	74.85	75.25	75.50	+7.9	+11.0
25	74.71	74.46	74.06	74.46	74.06	74.46	74.71	+7.9	+10.5
4	73.92	73.67	73.27	73.67	73.27	73.67	73.92	+4.5	+9.4
75	73.13	72.88	72.48	72.88	72.48	72.88	73.13	+8.3	+7.9
50	72.33	72.08	71.68	72.08	71.68	72.08	72.33	+8.0	+6.4
25	71.54	71.29	70.89	71.29	70.89	71.29	71.54	+6.4	+3.9
3	70.75	70.5	70.1	70.5	70.1	70.5	70.75	+1.9	+1.1
75	69.96	69.71	69.31	69.71	69.31	69.71	69.96	-2.1	-0.5
50	69.17	68.92	68.52	68.92	68.52	68.92	69.17	-4.0	-0.6
25	68.38	68.13	67.73	68.13	67.73	68.13	68.38	-4.2	+1.6
2	67.59	67.34	66.94	67.34	66.94	67.34	67.59	-2.4	+6.3
75	66.80	66.55	66.15	66.55	66.15	66.55	66.80	-1.7	+10.5
50	66.00	65.75	65.35	65.75	65.35	65.75	66.0	-1.7	+10.6
25	65.21	64.96	64.56	64.96	64.56	64.96	65.21	-2.7	+8.3
1	64.42	64.17	63.77	64.17	63.77	64.17	64.42	-2.7	+7.5
75	63.63	63.38	62.98	63.38	62.98	63.38	63.63	-2.7	+6.9
50	62.83	62.58	62.18	62.58	62.18	62.58	62.83	-2.8	+7.0
25	62.04	61.79	61.39	61.79	61.39	61.79	62.04	-3.8	+6.7
0	61.25	61.0	60.6	61.0	60.6	61.0	61.25	-4.2	+5.6

37TH STREET

WOOLMAN AVE GRADES
38TH STREET INTERSECTION

44

NORTH

SOUTH

EAST LINE

81.25 81.0 80.6 81.0 80.6 81.0 81.25

EAST CURB

81.0 81.0 80.43 80.83 80.43 81.0 81.0

80.0 80.0 80.0 80.0

EAST QUARTER

80.4 79.75 80.26 80.66 80.26 79.75 80.4

CENTER

80.5 79.5 80.1 80.5 80.1 79.5 80.5

WEST QUARTER

79.85 79.25 79.94 80.34 79.94 79.25 79.85

WEST CURB

79.0 79.0 79.77 80.17 79.77 79.0 79.0

80.0 80.0 80.0 80.0

WEST LINE

80.25 80.0 79.6 80.0 79.6 80.0 80.25

WOOLMAN AVE. GRADES
38TH ST to 39TH ST.

NORTH 39TH STREET SOUTH

6	110.25	110.0	109.6	110.0	109.6	110.0	110.25	0.9	+0.9
75	109.04	108.79	108.39	108.79	108.39	108.79	109.04	2.3	+1.6
50	107.93	107.58	107.18	107.58	107.18	107.58	107.93	3.2	+1.3
25	106.62	106.37	105.97	106.37	105.97	106.37	106.62	4.5	+1.9
5	105.42	105.17	104.77	105.17	104.77	105.17	105.42	5.9	+2.2
75	104.21	103.96	103.56	103.96	103.56	103.96	104.21	7.0	+2.6
50	103.00	102.75	102.36	102.75	102.36	102.75	103.00	7.6	+2.5
25	101.79	101.54	101.14	101.54	101.14	101.54	101.79	9.2	+2.3
4	100.58	100.33	99.93	100.33	99.93	100.33	100.58	9.7	+3.2
75	99.37	99.12	98.72	99.12	98.72	99.12	99.37	10.1	+4.3
50	98.17	97.92	97.52	97.92	97.52	97.92	98.17	10.9	+5.4
25	96.96	96.71	96.31	96.71	96.31	96.71	96.96	11.2	+5.9
3	95.75	95.50	95.10	95.50	95.10	95.50	95.75	11.1	+4.8
75	94.54	94.29	93.89	94.29	93.89	94.29	94.54	9.5	+2.7
50	93.33	93.08	92.68	93.08	92.68	93.08	93.33	7.6	+2.9
25	92.12	91.87	91.47	91.87	91.47	91.87	92.12	5.7	+2.0
2	90.92	90.67	90.27	90.67	90.27	90.67	90.92	3.4	+0.1
75	89.71	89.46	89.06	89.46	89.06	89.46	89.71	1.6	+0.8
50	88.50	88.25	87.85	88.25	87.85	88.25	88.50	0.4	+0.9
25	87.29	87.04	86.64	87.04	86.64	87.04	87.29	0.7	+0.1
1	86.08	85.83	85.43	85.83	85.43	85.83	86.08	2.6	+0.3
75	84.87	84.62	84.22	84.62	84.22	84.62	84.87	3.9	+0.5
50	83.67	83.42	83.02	83.42	83.02	83.42	83.67	4.3	+0.7
25	82.46	82.21	81.81	82.21	81.81	82.21	82.46	3.2	+2.8
0	81.25	81.0	80.6	81.0	80.6	81.0	81.25	0.9	+5.1

38TH STREET

WOOLMAN AVE. GRADES
39TH STREET INTERSECTION

NORTH

SOUTH

46

EAST LINE

110.25 110.0 109.6 110.0 109.6 110.0 110.25

EAST CURB

110.0 110.0 109.6 110.0 109.6 110.0 110.0

109.0 109.0 109.0 109.0

EAST QUARTER

109.6 109.0 109.6 110.0 109.6 109.0 109.6

CENTER

110.0 109.0 109.6 110.0 109.6 109.0 110.0

WEST QUARTER

109.6 109.0 109.6 110.0 109.6 109.0 109.6

WEST CURB

109.0 109.0 109.0 109.0

110.0 110.0 110.0 110.0

WEST LINE

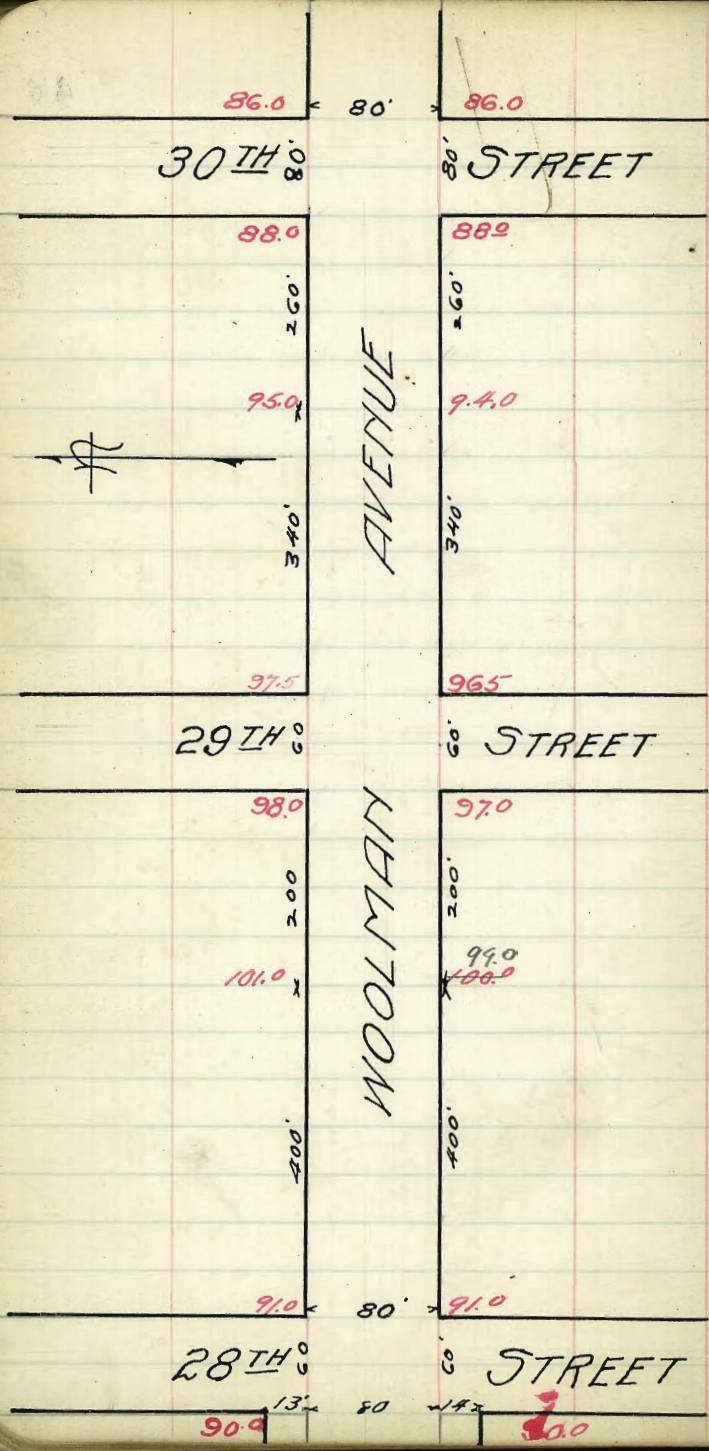
110.25 110.0 109.6 110.0 109.6 110.0 110.25

WOOLMAN AVE. GRADES

39TH ST. to 40TH ST.

	NORTH 40 TH STREET						SOUTH		NORTH-SOUTH	
49.2	85.25	85.0	84.6	85.0	84.6	85.0	85.25	+0.4	-5.0	
35	86.18	85.93	86.53	85.93	86.53	86.93	86.18	+0.3	-4.4	
6	87.14	86.89	86.49	86.89	86.49	86.89	87.14	+1.5	-4.9	
75	88.11	87.86	87.46	87.86	87.46	87.86	88.11	+2.6	-5.5	
50	89.07	88.82	88.42	88.82	88.42	88.82	89.07	+3.4	-6.3	
25	90.03	89.78	89.38	89.78	89.38	89.78	90.03	+3.6	-6.6	
5	90.99	90.74	90.34	90.74	90.34	90.74	90.99	+4.7	-7.7	
75	91.96	91.71	91.31	91.71	91.31	91.71	91.96	+4.9	-5.3	
50	92.92	92.67	92.27	92.67	92.27	92.67	92.92	+2.8	-6.5	
25	93.88	93.63	93.23	93.63	93.23	93.63	93.88	-0.9	-7.2	
4	94.8	94.60	94.20	94.60	94.20	94.60	94.85	0.6	-8.0	
75	95.81	95.66	95.16	95.66	95.16	95.66	95.81	0.2	-7.8	
50	96.77	96.52	96.12	96.52	96.12	96.52	96.77	+1.2	-6.6	
25	97.73	97.48	97.08	97.48	97.08	97.48	97.73	+4.0	-4.1	
3	98.70	98.45	98.05	98.45	98.05	98.45	98.70	-7.0	+1.7	
75	99.66	99.41	99.01	99.41	99.01	99.41	99.66	-9.9	+5.9	
50	100.62	100.37	99.97	100.37	99.97	100.37	100.62	+10.9	+8.0	
25	101.58	101.33	100.93	101.33	100.93	101.33	101.58	+10.0	+8.5	
20	102.55	102.30	101.90	102.30	101.90	102.30	102.55	+9.5	+7.9	
75	103.51	103.26	102.86	103.26	102.86	103.26	103.51	+8.7	+5.9	
50	104.47	104.22	103.82	104.22	103.82	104.22	104.47	+8.1	+3.4	
25	105.44	105.19	104.79	105.19	104.79	105.19	105.44	+7.1	+1.0	
1	105.40	106.15	105.75	106.15	105.75	106.15	105.40	-5.6	-0.3	
75	107.36	107.11	106.71	107.11	106.71	107.11	107.36	-4.2	-1.0	
50	108.32	108.07	107.67	108.07	107.67	108.07	108.32	-3.6	+0.3	
25	109.29	109.04	108.64	109.04	108.64	109.04	109.29	-2.6	+0.4	
0	110.25	110.0	109.6	110.0	109.6	110.0	110.25	-1.3	+0.2	

39TH STREET



WOOLMAN AVENUE GRADES
28TH ST. INTERSESTION

Grade Book 72

50

NORTH

SOUTH

EAST LINE

91.25 90 90.4 90.5 89.85 90.0 90.25

EAST CURB

91.0 91.0 90.26 90.41 89.80 90.0 90.0

90.0 90.0 89.0 89.0

EAST QUARTER

90.4 89.75 90.13 90.33 89.76 89.0 89.6

CENTER

90.50 89.50 90.0 90.25 89.72 89.0 90.0

WEST QUARTER

89.85 89.25 89.67 90.17 89.68 89.0 89.6

WEST CURB

89.00 89.0 89.0 89.0

90.00 90.0 89.74 90.09 89.64 90.0 90.00

WEST LINE

90.25 90. 89.6 90.0 89.6 90.0 90.25

WOOLMAN AVENUE GRADES
28TH ST. TO 29TH ST.

NORTH

29TH STREET

SOUTH

6	98.25	98.0	97.4	97.5	96.85	97.0	97.25	10.4	+0.4
75	98.63	98.38	97.78	97.81	97.13	97.25	97.5	0.0	-0.1
50	99.00	98.75	98.15	98.13	97.41	97.5	97.75	-0.4	-0.1
25	99.38	99.13	98.53	98.44	97.69	97.75	98.0	-0.7	-0.1
5	99.75	99.50	98.90	98.75	97.98	98.0	98.25	-0.8	+0.3
75	100.13	99.88	99.28	99.06	98.26	98.25	98.5	-0.2	+0.6
50	100.5	100.25	99.65	99.38	98.54	98.5	98.75	+0.2	+1.5
25	100.88	100.63	100.03	99.69	98.82	98.75	99.0	+0.8	+1.3
4	101.25	101.0	100.4	100.0	99.1	99.0	99.25	+1.2	+0.8
BREAK									
75	100.63	100.38	99.78	99.41	98.52	98.44	98.61	+2.0	+1.2
50	100.0	99.75	98.15	98.81	97.94	97.88	98.13	+2.4	+1.3
25	99.38	99.13	98.53	98.22	97.36	97.31	97.56	+2.8	+0.9
3	98.75	98.50	97.90	97.63	96.79	96.75	97.00	+1.5	-0.2
75	98.13	97.88	97.28	97.03	96.21	96.19	96.44	+2.1	-0.1
50	97.50	97.25	96.65	96.41	95.63	95.63	95.88	+2.4	-0.2
25	96.88	96.63	96.03	95.84	95.05	95.06	95.31	+2.4	0.0
2	96.25	96.00	95.40	95.25	94.47	94.50	94.75	+1.9	+0.4
75	95.63	95.38	94.78	94.66	93.90	93.94	94.19	+0.9	-1.3
50	95.00	94.75	94.15	94.06	93.32	93.38	93.63	+0.9	-2.2
25	94.38	94.13	93.53	93.47	92.74	92.81	93.06	+0.1	-2.0
1	93.75	93.50	92.90	92.88	92.16	92.25	92.50	+0.4	-1.0
75	93.13	92.88	92.28	92.28	91.58	91.69	91.94	+0.9	-0.9
50	92.50	92.25	91.65	91.69	91.01	91.13	91.38	+0.8	+0.2
25	91.88	91.63	91.03	91.09	90.43	90.56	90.81	+2.3	+0.7
0	91.25	91.0	90.4	90.5	89.85	90.0	90.25	+1.9	+0.7

28TH STREET

WOOLMAN AVENUE GRADES
29TH STREET INTERSECTION
NORTH SOUTH

52

EAST LINE

97.75 97.5 96.9 97.0 96.35 96.5 96.75

EAST CURB

97.5 97.5 96.99 97.09 96.44 96.5 96.5
96.5 96.5 95.5 95.5

EAST QUARTER

97.22 97.62 97.07 97.17 96.52 95.62 96.22

CENTER

97.75 96.75 97.15 97.25 96.60 95.75 96.75

WEST QUARTER

97.4 96.87 97.23 97.33 96.68 95.89 96.4

WEST CURB

97.0 97.0 97.31 97.41 96.75 96.0 96.0
98.0 98.0 97.0 97.0

WEST LINE

98.25 98.0 97.4 97.5 96.85 97.0 97.25

√

WOOLMAN AVENUE GRADES

29TH ST. TO 30TH ST.

NORTH 30TH STREET. SOUTH

6	88.25	88.0	87.6	88.0	87.6	88.0	88.25	+2.9	+2.0
75	88.92	88.67	88.25	88.63	88.20	88.57	88.82	+4.5	+3.4
30	89.60	89.35	88.91	89.25	88.80	89.15	89.40	+6.7	+3.1
25	90.27	90.02	89.56	89.88	89.40	89.73	89.98	+6.8	+3.6
5	90.94	90.69	90.22	90.50	90.00	90.31	90.56	+6.6	+4.4
75	91.62	91.37	90.87	91.13	90.61	90.89	91.14	+6.1	+3.2
30	92.29	92.04	91.52	91.75	91.21	91.46	91.71	+5.1	+3.0
25	92.96	92.71	92.18	92.38	91.81	92.04	92.29	+4.6	+2.7
4	93.63	93.38	92.83	93.00	92.41	92.62	92.87	+3.7	+3.0
75	94.31	94.06	93.49	93.63	93.01	93.19	93.44	+2.7	+2.3
50	94.98	94.73	94.14	94.25	93.61	93.77	94.02	+1.9	+1.4
20	95.25	95.0	94.40	94.50	93.85	94.1	94.25		+1.0
BREAK									
23	95.36	95.11	94.51	94.61	93.96	94.1	94.26	+1.6	+1.0
3	95.54	95.29	94.69	95.29	94.14	94.29	94.54	+1.6	+0.6
75	95.73	95.48	95.08	95.29	94.33	94.48	94.73	+1.4	+0.4
30	95.91	95.66	95.26	95.66	94.51	94.66	94.91	+0.9	+0.0
25	96.10	95.85	95.45	95.35	94.70	94.85	95.10	+0.7	+0.3
20	96.28	96.03	95.63	95.53	94.88	95.03	95.28	+0.6	-0.8
75	96.46	96.21	95.81	95.71	95.06	95.21	95.46	+0.3	-0.6
30	96.65	96.40	96.00	96.40	95.25	95.40	95.65	+0.2	-1.3
25	96.83	96.58	96.18	96.08	95.43	95.58	95.83	-0.6	-1.2
1	97.01	96.76	96.36	96.76	95.61	95.76	96.01	-0.3	-0.9
75	97.20	96.95	96.55	96.45	95.80	95.95	96.20	0.0	-0.5
50	97.38	97.13	96.73	97.13	95.98	96.13	96.38	+1.5	-0.2
25	97.57	97.32	96.92	96.82	96.17	96.32	96.57	+0.6	+0.7
0	97.75	97.5	96.9	97.0	96.35	96.5	96.75	+0.6	0.0

29TH STREET.

WOOLMAN AVENUE GRADES
30TH STREET INTERSECTION

NORTH

SOUTH

EAST LINE

86.25 86.0 85.6 86.0 85.4 86.0 86.25

EAST CURB

86.00 86.0 85.93 86.33 85.93 86.0 86.0

85.0 85.0 85.0 85.0

EAST QUARTER

86.1 86.5 86.27 86.67 86.27 85.5 86.1

CENTER

87.0 86.0 86.6 87.0 86.6 86.0 87.0

WEST QUARTER

87.4 86.5 86.93 87.33 86.93 86.5 87.4

WEST CURB

87.0 87.0 87.27 87.47 87.27 87.0 87.0

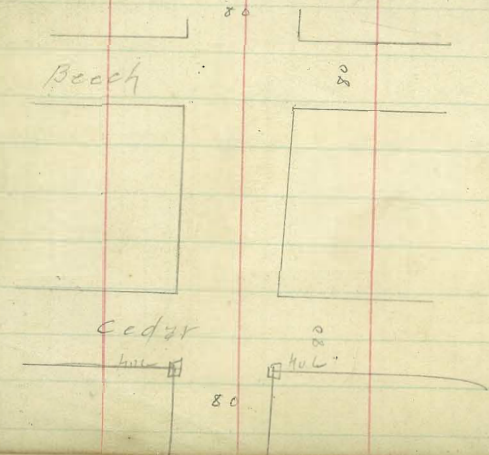
88.0 88.0 88.0 88.0

WEST LINE

88.25 88.0 87.60 88.00 87.60 88.0 88.25

31st St - West 1/2
 from N.L. Beech St to S.L. Cedar
 60' - 56' - 10' Walks 10' - 1/4

W	W Corb	W 1/4	C	
N.L.				
Beech St	231.25	230.40	230.75	✓
25' N	230.17	229.92	229.65	
50' N	228.08	228.83	228.54	✓
75' N	228.00	227.75	227.44	
100' N	226.92	226.67	226.34	✓
125' N	225.84	225.59	225.23	
150' N	224.75	224.50	224.12	✓
175' N	223.67	223.42	223.02	
200' N	222.59	222.34	221.92	✓
225' N	221.50	221.25	220.81	
250' N	220.42	220.17	219.71	✓
275' N	219.34	219.09	218.61	
300' N or S.L. Cedar	218.25	217.40	217.50	✓



1/2 cut a full sample - Spaw - Kerr

Sec Field Book 397. 55

Computed to finished grade

211.25 Grade at 300' Beech St
 2.15
 233.40 + 11

W	Ctr				
-0.5	-4.8	33.82	33.82	33.82	33.82
+0.1	-5.9	30.75	29.25	20.25	21.25
+0.7	-7.4	3.07	4.74	7.47	9.10
+1.2	-8.0	3.37	4.04	5.37	7.40
+1.8	-8.0	0.2	1.07	1.37	2.10
+3.0	-7.0	33.82	33.82	33.82	33.82
+4.4	-4.0	31.25	29.75	20.75	21.75
+6.1	-3.8	2.57	3.24	4.57	6.60
+7.6	-2.7	2.87	3.54	4.87	6.90
+7.9	-1.7	0.2	1.07	1.37	2.10
+7.4	-1.9	33.82	33.82	33.82	33.82
+6.3	-2.7	2.57	3.24	4.57	6.60
+4.1	-4.7	2.87	3.54	4.87	6.90

207	220.29	Spn Pole	SE Cor	Beech St	307 1/2
234.90	232.20	232.30	232.30	233.54	233.54
1.75	31.00	30.40	30.75	18.00	17.40
233.107	7.80	7.90	7.55	5.54	6.14
236.94					6.04

Checked OK June 17-1910 Domain Top Decent

- Hayes Ave Grades
 from S.L. Johnson Arc to end of Street
 80' Wide 14' Walks 13-1/2"

Computed to finished grades.

294.61 = 844 - 25' Arc out Mid - SE. W. & Hayes
 7.59
 302.20 = 117

From N.L. Vermont St to S.L. Johnson St

SL	292.25	292.00	291.60	292.00	291.60	292.00	292.25	+3.7	+2.7
50' E	292.50	292.25	291.85	292.25	291.85	292.25	292.50	+4.2	+2.7
100' W	292.84	292.59	292.19	292.59	292.19	292.59	292.84	+4.1	+3.5
171.01' E	293.25	293.00	292.60	293.00	292.60	293.00	293.25	+2.9	+3.2
200' N E	293.25	293.00	292.40	292.87	292.41	292.75	293.00	+2.9	+4.0
287.65' E	293.25	293.00	292.40	292.50	291.85	292.00	292.25	+2.9	+2.8
283.65									

S
 A

Field Book 874

150					
302.20	302.20	302.20	302.20	302.20	302.20
6.95	5.52	5.10	5.99	5.68	5.24
295.25	296.68	297.00	296.30	296.62	296.40
292.25	293.33	292.85	292.85	292.14	292.14
C 2.70	C 4.13	C 4.15	C 3.95	C 3.48	C 3.20
302.20	302.20	302.20	302.20	302.20	302.20
6.45	5.33	5.13	6.37	7.65	
296.05	296.87	297.07	295.85	296.55	296.55
292.25	293.25	292.00	292.25	292.35	
C 2.80	C 3.62	C 4.07	C 3.27	C 2.30	
Cuto & Fills 7/10/10. West - Lane - Service					
294.61	300.73	300.73	300.73	300.73	300.73
6.12	292.90	292.30	292.60	292.89	292.89
300.73	8.73	8.12	8.13	7.84	7.11
	8.48			6.95	6.45

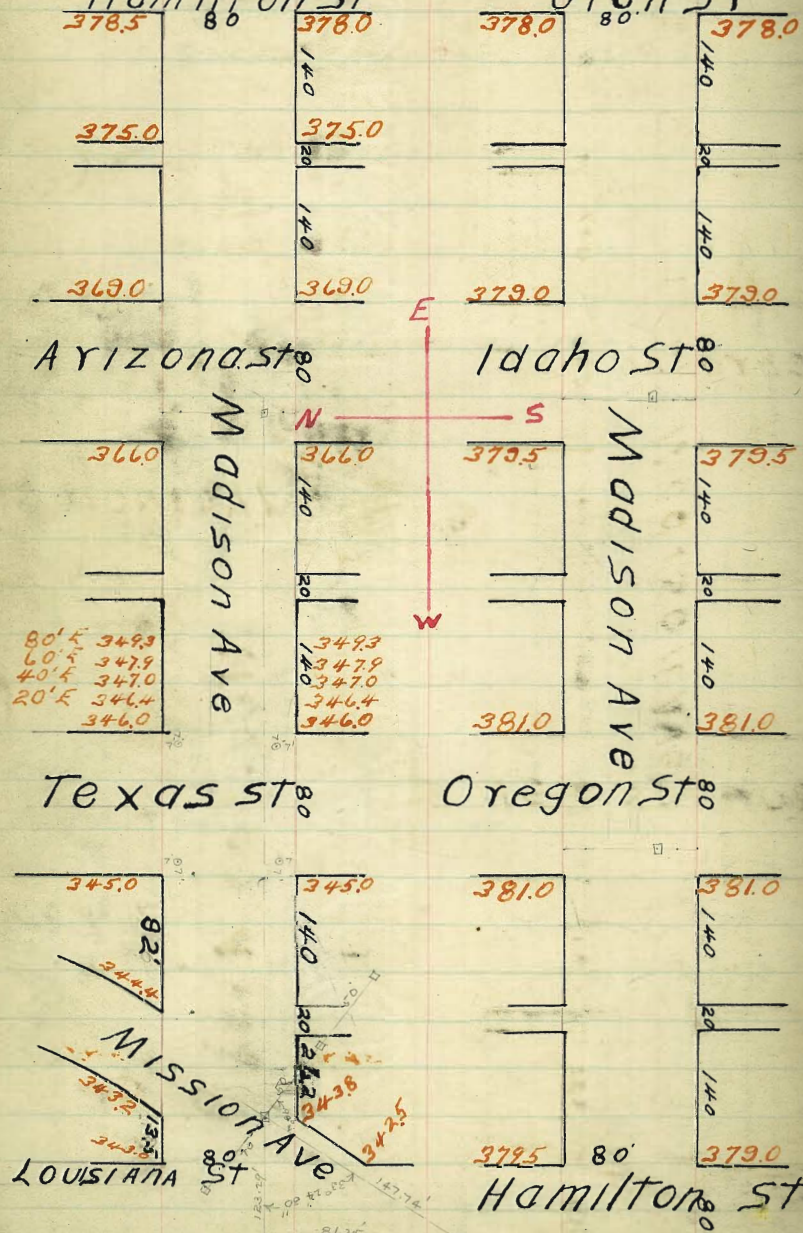
SL	EL	Vt. St.	NL
0+00 =	292.25	292.00	292.25
+50	292.50	292.20	292.30
+100	292.85	292.60	292.60
+150	293.14	292.89	292.89
+171.01 - W. Johnson St.	293.25	NL - 293.00	293.25
+200	293.00	292.15	X
+250	292.56	292.31	
+283.65 - W. Johnson St.	292.25	292.00	

294.61	295.01	296.01	298.01	298.01	298.01	298.01	298.01	298.01	298.01
300.73	292.25	292.55	292.85	293.14	293.25	293.00	292.56	292.25	292.25
	5.76	5.86	5.16	4.81	4.70	5.01	5.45	5.76	5.76

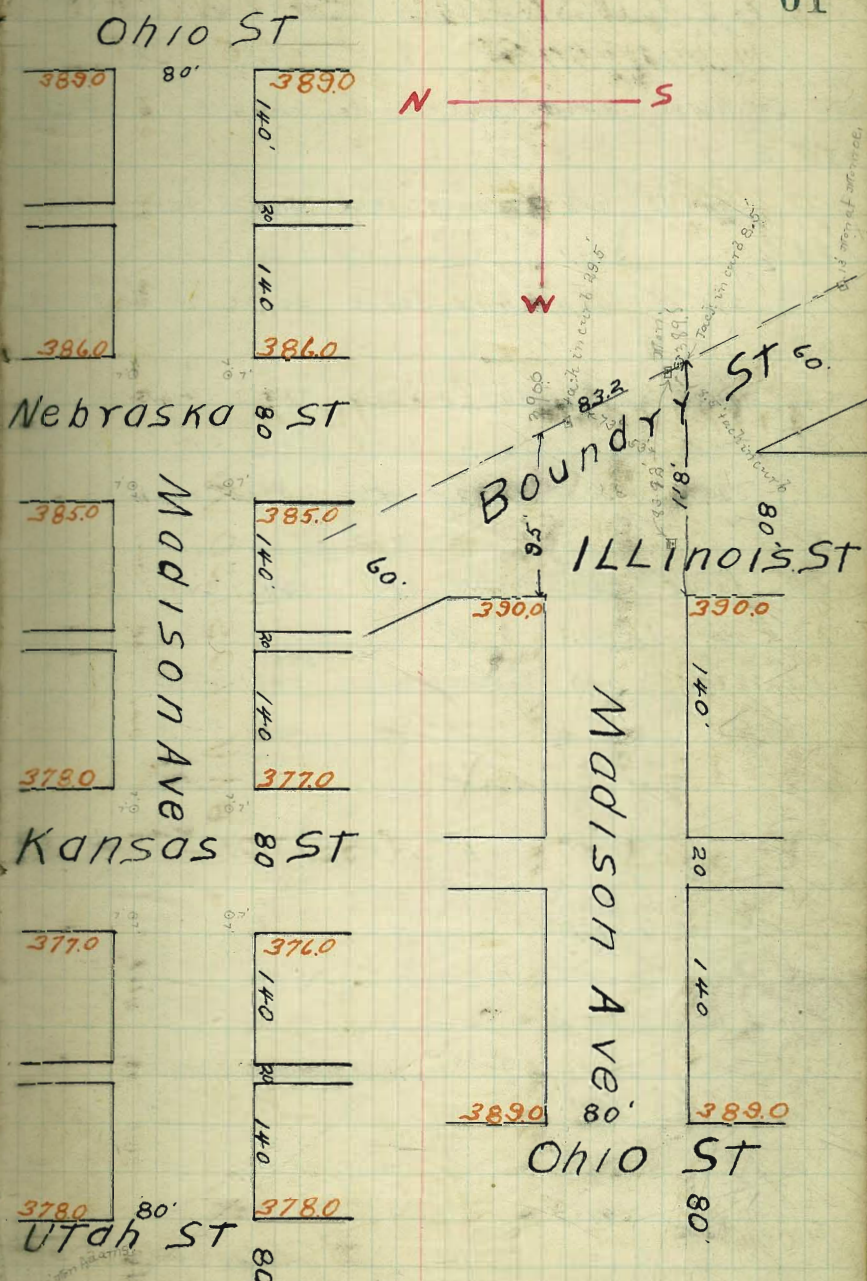
Vermont St - intersection excepted
 included in Vermont St - Cross - Sections

60.0		60.0
37TH		60. ST
61.0		61.0
	20	
	MOOLMAN	
		60.0
80.0		80.0
38TH		60 ST
81.0		81.0
		60.0
	AVE.	
110.0		110.0
39TH		60 ST
110.0		110.0
		64.7
85.0		85.0
40TH		ST.

MADISON AVENUE
LOUISIANA TO BOUNDARY
Hamilton ST Utah ST



80' ST 14' Walk 13' 1/4



Madison Ave Grades Arizona to Hamilton St

W.L. Hamilton									
300 E	378.75	378.8	378.1	378.35	377.60	378.0	378.25	0.0	0.0
275									
250	377.5	377.25	374.85	377.09	374.53	374.93	377.1	+13	-0.8
225									
200	374.25	374.0	375.60	375.93	375.46	375.84	374.1	+0.4	-0.1
175									
150	374.88	374.45	374.33	374.45	374.33	374.43	374.88	+0.5	0.0
125									
100	373.0	372.75	372.35	372.75	372.30	372.75	373.0	+17	+1.1
75									
50	371.13	370.88	370.48	370.88	370.48	370.88	371.13	+24	+1.5
25 E									
E.L. Arizona									
0+00	349.25	349.0	348.60	348.0	348.60	349.0	349.25	+21	+0.9

37.00	4.50	4.00	4.50	2.50	2.50	4.00
38.60	38.60	38.60	38.60	38.60	38.60	38.60
68.60	70.45	72.35	74.23	75.44	74.53	77.60
12.00	10.13	9.12	6.07	5.14	4.07	3.00
1.7	3.0	6.3	5.0	4.2	3.5	2.3
1.09	1.2	2.0	1.4	1.0	0.6	0.2

374.97	374.97 HI	371.13	374.144	373.0	375.25	376.41
363.74	HI 369.25		364.144	373.53	5.47	6.32
	5.72		2.24	2.4	6.32	5.46
			4.6	381.87 HI	4.11	0.0
377.18	75.25	2.875	377.5	376.25	375.25	378.0
4.40	2.82		4.09	5.32	6.32	5.57
4.50	2.4	2.82	3.67	4.62	5.42	6.32
-0.1	-0.1			4.07	4.7	

Stakes for Water Dept on the South 10' line April 29, 1914. Dorman, Miller, Shea. 64.

Set Cur. B stakes and offset Dec 7th 1914

Method: subgrade, Ok, except at the line of the cross Sts where it does not flush with the finished grade of said Sts. Dorman, Miller, Shea, Mar 13 - 1915.

371.13	372.05	372.05	372.05	372.05	372.05	372.05
371.13	3.08	6.05				

Madison Ave Grades
Hamilton St to Oregon St.

W. Oregon										
300 E	381.25	381.0	380.40	381.0	380.40	381.0	381.25	-0.5	-0.9	
275			380.77		380.79					
250	381.0	380.75	380.31	380.7	380.26	380.64	380.9	-0.4	-0.3	
225										
200	380.75	380.5	380.07	380.42	379.93	380.33	380.58	+0.0	-0.3	
175										
150	380.50	380.25	379.75	380.12	379.66	380.0	380.25	-0.5	-0.1	
125										
100	380.25	380.0	379.47	379.83	379.35	379.67	379.92	-1.0	-0.3	
75										
50	380.0	379.75	379.18	379.54	379.06	379.33	379.58	-0.7	-0.3	
25 E										
F.L. Hamilton										
0+00	379.75	379.5	378.9	379.25	378.76	379.0	379.25	+0.1	0.0	

50	7.50	1.00	1.50	2.00	2.50	3.00
384.55	384.50	384.55	384.55	384.55	384.55	384.55
78.60	78.70	78.27	77.60	77.93	80.26	80.60
5.95	5.2	5.28	4.8	4.62	4.29	3.98
4.7	5.4	5.0	4.8	4.3	4.0	3.7
+0.3	+0.2	+0.3	+0.2	+0.3	+0.3	+0.2

65

Stakes for the Water Dept April 28-1914 - Donnan, Miller, Shad.

379.25	379.5	379.2	379.5	379.5	379.5	379.5	379.5	379.5	379.5
6.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2

379.25	379.5	379.2	379.5	379.5	379.5	379.5	379.5	379.5	379.5
5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2

379.25	379.5	379.2	379.5	379.5	379.5	379.5	379.5	379.5	379.5
5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2

Set sidewalk stakes on offset for Curbs Nov 30-1914
 Set sidewalk stakes on offset Dec 30th 1914
 Subgrade Off except at the line of the cross streets where the subgrade is flush with the finished grade of said streets.
 Curbs Off. March 16th 1915.

Donnan, Miller, Shad.

Donnan, Miller, Shad.

Madison Ave Grades
Oregon St to Idaho St

WL Idaho									
300.5	379.75	379.6	379.1	379.5	379.1	379.5	379.75	-0.4	0.0
275									
250	380.0	379.75	379.35	379.75	379.35	379.75	380.0	-1.5	-1.4
225									
200	380.25	380.0	379.6	380.0	379.6	380.0	380.25	-1.8	-0.4
175									
150	380.50	380.25	379.85	380.25	379.85	380.25	380.5	+0.5	-0.3
125									
100	380.75	380.5	380.1	380.5	380.1	380.5	380.75	-1.1	-1.1
75									
50	381.0	380.75	380.35	380.75	380.35	380.75	381.0	-0.4	-1.0
25 F									
FL Oregon									
0700	381.25	381.0	380.6	381.0	380.6	381.0	381.25	-1.0	-0.4

Curbs Areas Along Madison Oregon

384.54	384.54	384.54	384.54	384.54	384.54	384.54
80.60	80.35	80.10	79.85	79.60	79.35	79.10
3.94	4.19	4.44	4.69	4.94	5.19	5.44
0.0	+0.1	+0.1	-0.2	-0.7	-0.7	-0.3

Therman
Weller
Shard
66

Stakes for the Water Dept on the S. 13' line April 30th 1914.

371.05	371.55	371.0	370.75	371.05	371.55	371.05	371.55	371.05	371.55
371.55	372.05	371.55	371.30	371.55	372.05	371.55	372.05	371.55	372.05
371.55	372.05	371.55	371.30	371.55	372.05	371.55	372.05	371.55	372.05
371.55	372.05	371.55	371.30	371.55	372.05	371.55	372.05	371.55	372.05

OUTSTAKES
Gregory 3.75
Shardford 3.75
Shardford 3.75

Set stakes on S. 13' line Dec 10th 1914
on S. 13' off set.

Subgrade OK except at the line of Cross Sts where the subgrade is flush with the finished grade of said sts.
Curbs OK
T. Car 15th HNS

Therman
Weller
Shard

Madison Ave Grades
Utah St to Kansas St

W. L. Kansas									
300 E	377.25	377.0	374.4	374.6	375.85	374.0	374.2	+0.7	+0.5
275									
250	377.47	377.17	376.60 374.67	376.75	374.14	376.33	374.80	+0.6	0.0
225									
200	377.58	377.33	376.80 374.73	377.0	374.43	374.17	376.99	-0.3	0.9
175									
150	377.75	377.50	377.00 377.1	377.25	376.77	374.6	377.25	-0.2	-0.4
125									
100	377.91	377.44	377.00 377.25	377.5	374.93	377.33	377.50	-0.1	-0.7
75									
50	378.08	377.83	377.40 377.43	377.75	377.27	377.67	377.95	-0.3	-0.3
25 E									
E. L. Utah									
0+00	378.25	378.0	377.4	378.0	377.4	378.0	378.35	-0.7	-1.7

382.02	382.02	382.02	382.01	382.01	382.02	382.02
77.60	77.77	76.93	76.60	76.43	76.14	75.85
4.92	4.75	5.09	5.42	5.59	5.88	6.17
4.1	4.6	4.4	4.8	4.9	4.7	4.7
10.1	10.3	10.7	10.6	10.7	11.2	11.2

Stakes for the Water Dept on the S. 13 line April 30-14 68

Donnari
Miller
Shaw

377.25	377.25	377.25	377.25	377.25	377.25	377.25
377.25	377.25	377.25	377.25	377.25	377.25	377.25
377.25	377.25	377.25	377.25	377.25	377.25	377.25

CUTS FILLS 1/2 1/2

W. L. Kansas
300 E S. 13th St. Cor. of Madison & Kansas

377.51	377.51	377.51	377.51	377.51	377.51	377.51
377.51	377.51	377.51	377.51	377.51	377.51	377.51
377.51	377.51	377.51	377.51	377.51	377.51	377.51

Nov 28th 1914

377.51	377.51	377.51	377.51	377.51	377.51	377.51
377.51	377.51	377.51	377.51	377.51	377.51	377.51
377.51	377.51	377.51	377.51	377.51	377.51	377.51

Dec 30th 1914

Graduate stakes on S offset

Subgrade OK except at the line of the streets where the subgrade is flush with finished grade of said streets.

Cur & A.K. Mar 27 16 1915

Donnari
Miller
Shaw

Donnari
Miller
Shaw

Donnari
Miller
Shaw

Madison Ave Grades Nebraska to Ohio St

Y	300 E	389.25	389.0	388.6	389.0	388.6	389.0	389.25	0.0
3									
2	275								
2	260	388.75	388.6	388.1	388.5	388.1	388.5	388.75	+23 -0.9
2	225								
2	200	388.25	388.0	387.6	388.0	387.6	388.0	388.25	-02 -0.3
1	175								00 -0.0
1	150	387.75	387.6	387.1	387.5	387.1	387.5	387.75	-03 -0.8
1	125								
1	100	387.25	387.0	386.6	387.0	386.6	387.0	387.25	+10 -0.8
7	75								
5	50	386.75	386.6	386.1	386.5	386.1	386.5	386.75	+06 -0.9
2	25 E								
0	0+00	386.25	386.0	385.6	386.0	385.6	386.0	386.25	-07 -1.3

507 386.00 Brass Plug S.E. Cor Madison & Nebraska

Gregory
Shoemaker
Moore

375	387.75	387.5	387.0	387.5	387.0	387.5	387.75
375	387.75	387.5	387.0	387.5	387.0	387.5	387.75

CUTS & FILLS

387.00	387.00	387.00	387.00	387.00	387.00	387.00	387.00
387.00	387.00	387.00	387.00	387.00	387.00	387.00	387.00

387.00	387.00	387.00	387.00	387.00	387.00	387.00	387.00
387.00	387.00	387.00	387.00	387.00	387.00	387.00	387.00

Curbs on the South Side of the St from Nebraska East to alley runs from 4.15 at
App'd of E. of Nebraska to 10.10 at 80 then 1 grade at alley, Balance of curb
on B.U.O.K. March 16th 1915
Jennison
Miller
Shard

Subgrade O.K.

Madison Ave Grades Ohio St to Illinois St

389.93	389.93	389.93	389.93	389.93	389.93	389.93	389.93
389.93	389.93	389.93	389.93	389.93	389.93	389.93	389.93

W.L. Illinois

300 E	389.25	389.0	389.10	389.0	389.10	389.0	389.25	-14	-19
275									
250	389.08	389.22	389.43	389.83	389.43	389.83	389.08	-12	-15
225									
200	389.92	389.47	389.27	389.67	389.27	389.67	389.92	-12	-05
175									
150	389.75	389.50	389.10	389.50	389.1	389.50	389.75	-09	-14
125									
100	389.58	389.33	388.93	389.33	388.93	389.33	389.58	-05	-13
75									
50	389.42	389.17	388.77	389.17	388.77	389.17	389.42	-04	-11
25 E									
0+00	389.25	389.0	388.10	389.0	388.1	389.0	389.25	-02	-01

389.93	389.93	389.93	389.93	389.93	389.93	389.93	389.93
389.93	389.93	389.93	389.93	389.93	389.93	389.93	389.93

Finished Curbs on S offset New Street

389.93	389.93	389.93	389.93	389.93	389.93	389.93	389.93
389.93	389.93	389.93	389.93	389.93	389.93	389.93	389.93

Subgrade O.K. Curbs O.K. March 16th 1915.

(Hannan, Bradford, Shaw)

(Hannan, Bradford, Shaw)

(Hannan, Bradford, Shaw)

Cut & Fills 9/22/14 Gregory, Simpson, Moore

March 16th 1915.

Madison Ave Grades

Illinois St and Boundary St Intersection

North

Fast Line

390.25 390.17 390.08 390.0 389.92 389.83 389.74 -16 -111

Fast Curve

390.0 390.0 389.87 389.75 389.62 389.5 389.38
~~389.0~~ ~~389.0~~ 388.82 388.74 388.67 388.59 388.5

East Grades

389.6 389.6 389.47 389.35 389.22 389.1 389.0

Centers

390.0 390.0 389.94 389.87 389.81 389.75 389.7

West Grades

389.4 389.4 389.6 389.6 389.6 389.6 389.6

West Curve

389.0 389.0 389.0 389.0 389.0 389.0 389.0
 390.0 390.0 389.0 389.0 389.0 390.0 390.0

West Line

390.25 390.0 389.6 390.0 389.6 390.0 390.25

see page 71

Finish curve and offset Nov 20th 1914

(Hennan, Bealford, Sharo)

394.20 394.20
 38.00 39.50
 42.0 47.0
 5.14 5.16

394.21 394.21 394.21 394.21
 30.00 30.00 30.00 30.00
 4.21 4.21 4.21 4.21

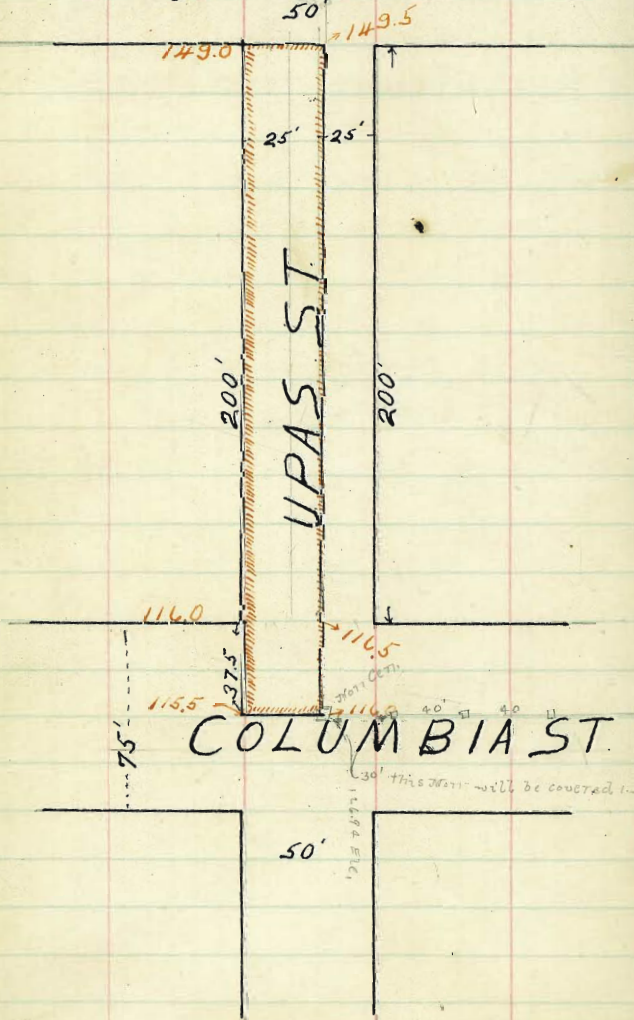
Start on 1/2 stakes and offset Dec 28th 1914
 Hennan, Miller, Sharo

Grade O.K. except at 2 places where 1/2 set 1/2 stakes
 Curve O.K. March 16-1915

(Hennan, Miller, Sharo)

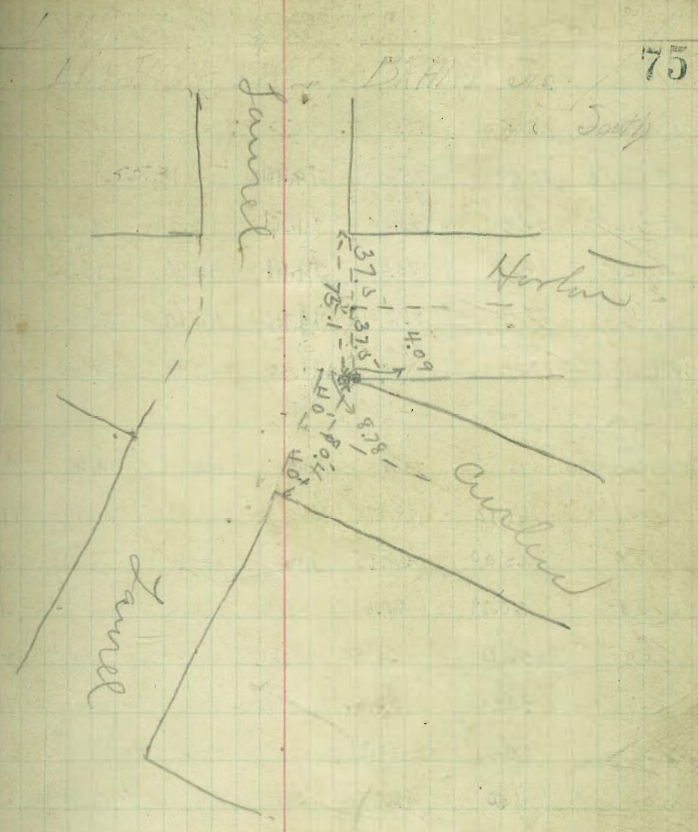
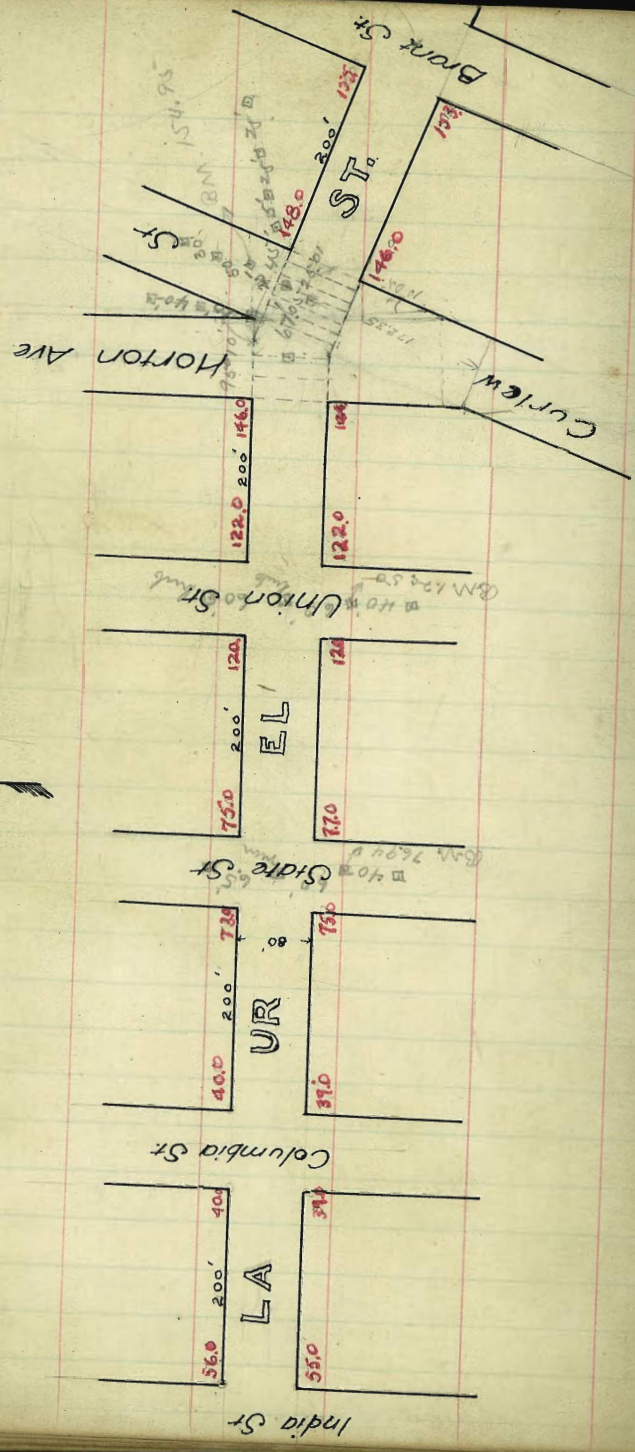
N 1/2 UPAS STREET
 STATE TO COLUMBIA
 AND N.E. 1/4 OF THE INTERSECTION
 OF UPAS AND COLUMBIA

STATE ST



Map of Columbia & Upas 114.29
 " " " " 159.01

Price & India 81.05 from D.W. Co. &



LAUREL ST GRADES from E.L. of India to W.L. of D.H.

N	S					
EL State	75.25	75.00	75.10	76.00	76.90	77.00
E Curb	75.00	75.00	74.94	75.74	76.14	77.00
E 1/4	74.40	73.50	74.57	75.36	75.77	75.50
Center	74.00	73.00	74.19	74.99	75.39	75.00
W. 1/4	73.10	72.50	73.72	74.64	75.02	74.50
W. Curb	73.00	73.00	73.34	74.24	74.64	75.00
200 = W.L. State	73.25	73.00	73.10	74.00	74.40	75.00
175	69.82	68.87	68.88	69.69	69.96	71.50
150	65.00	64.75	64.67	65.38	65.51	66.00
125	60.89	60.62	60.46	61.06	61.07	61.50
100	56.75	56.50	56.25	56.75	56.63	57.00
85	54.27	54.02	53.72	54.16	53.96	54.30
75	52.62	52.37	52.04	52.44	52.18	52.50
50	48.50	48.25	47.83	48.13	47.74	48.00
25	44.31	44.12	43.61	43.81	43.29	43.50
E.L. Columbia	40.25	40.00	39.40	39.50	38.85	39.00
200 = W.L. Columbia	40.25	40.00	39.20	39.50	38.85	39.00
175	42.25	42.00	41.40	41.50	40.85	41.00
150	44.25	44.00	43.40	43.50	42.85	43.00
125	46.25	46.00	45.40	45.50	44.85	45.00
100	48.25	48.00	47.40	47.50	46.85	47.00
75	50.25	50.00	49.40	49.50	48.85	49.00
50	52.25	52.00	51.40	51.50	50.85	51.00
25	54.25	54.00	53.40	53.50	52.85	53.00
15	55.05	54.80	54.20	54.30	53.65	53.80
D. E.L. India	56.25	56.00	55.40	55.50	54.85	55.00

76.94
2.08
79.02 H.L.
73.25
5.77

74.10
5.0

3875
40.80
56.33 (B.M.) Laurel 76
26.1
58.94
1137
12.84
46.10 SP.
0.93
47.03 H.L.
7.00
39.95 T.R. M.H. river center
0.06
40.04 H.L. Columbia 10.32
13.82
26.22
17.02
11.72
72.42
13.12

1032
29.72 grade
which is 146' long
212 feet center of
Columbia angle 49°30'

39.93
11.42 H.L. 49.41 SP.
51.40
39.25
12.15

1.99
9.74
59.15 H.L.
54.00
5.15

18
18
18
32.4
1.30

77.00
76.00
75.50
75.00
74.50
74.00
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1.00
0.50
0.00

75.48
12.41
63.03
1.2

63.12
50.15
5.028
6.20
7.25
59.45
1.20
56.25

Checked OK 6-25-14 Blayf

Cont. Sub
 W. C. B.
 W. C. B.

200 - W. L. Horton	146.25	146.00	145.40	145.00	144.00	144.00	144.00
150	140.25	140.00	139.50	139.25	138.40	138.00	138.00
100	134.25	134.00	133.50	133.50	132.80	133.00	133.00
50	128.25	128.00	127.50	127.75	127.20	127.00	127.00
42	127.25	127.04	126.60	126.83	126.30	126.62	126.00
31	126.97	125.72	125.79	125.56	125.07	124.41	125.00
25	125.25	125.00	124.50	124.88	124.4	124.75	125.00
3	122.61	122.36	121.96	122.34	121.94	122.33	122.00
EL Union, Jr.	122.25	122.00	121.60	122.00	121.60	122.00	122.00
E. Curb	122.00	122.00	121.34	121.74	121.34	122.00	122.00
Eck	121.80	120.50	120.96	121.37	120.97	120.50	121.00
Center	121.00	120.00	120.57	120.88	120.57	120.00	121.00
W 4	120.10	119.50	120.27	120.62	120.27	119.50	120.00
W Curb	120.00	120.00	119.88	120.24	119.84	120.00	120.00
200 - W. L. Union	120.25	120.00	119.60	120.00	119.60	120.00	120.25
175	114.53	114.38	114.04	114.15	114.20	114.63	114.27
150	109.00	108.75	108.48	109.0	108.80	109.25	109.50
125	103.38	103.13	102.91	103.5	103.40	103.51	104.13
100	97.75	97.50	97.35	98.00	98.00	98.50	98.00
75	92.13	91.88	91.74	92.50	92.60	92.13	93.31
50	86.50	86.25	86.23	87.00	87.20	87.21	88.00
25	80.88	80.63	80.66	81.50	81.80	82.38	82.63
EL State	76.25	75.00	75.10	76.00	76.00	77.00	77.25

76.94 J.P. Sub. 20. 40. 0. State
 75.25 86.50 88.00 98.75 109.0 120.25
 12.34 1.09 12.23 13.75 3.5 4.41
 13.9 3.69 7.73 10.65 7.8 8.11
 -4.6 -2.6 +4.5 +3.10 4.3 -3.7
 0.19 97.75 99.56 73.00 120.25
 87.40 J.P. 2.48 12.94 +3.2 112.35 4.41
 12.53 H.I. 6.1 112.50 H.I. 12.31 4.41
 100.23 H.I. -3.6 124.66 H.I. 0.0

416 J.P. Sub. 20. 40. 0. State
 12.25 11.16 13.42 18.39 133.25 129.75 147.25
 11.16 7.96 17.89 10.75 6.49 2.19 4.29
 10.26 +1.2 0.59 +7.60 +6.4 +8.2
 +0.9 12.25 0.33 144.25 146.05 146.50 147.50
 76.94 11.06 147.9 154.74 18.5 +6.3 +6.2 +6.8
 12.03 H.I. 77.89 145.81 J.P. 18.39 12.49 12.24 11.24
 98.97 2.50 H.I. 86.25 7.39 6.19 6.00 4.44
 77.00 13.00 1.75 100.41 H.I. 2.91 0.03 108.75
 11.97 98.50 1.91 100.38 J.P. 4.68
 120 13.05 H.I. 109.05
 112.23 10.11 113.43 H.I. 109.05
 10.11 122.34 H.I. 4.43 4.18
 120.25 2.09

76.94 77.0 87.75 T.P. 77.5 91.5 T.P. 35.50 109.25 T.P. 109.25
 12.53 12.53 1.34 12.24 2.19 17.63 1.3 17.64
 76.94 77.0 87.75 91.5 97.5 109.25 109.25
 12.53 12.53 1.34 12.24 2.19 17.63 1.3 17.64

Blue Red OK 6-25-14 Glayth

North

South

158.74	145.0	157.75	163.50	155.25	153.25	149.75
15.25	8.74	7.00	3.24	3.49	5.49	8.40
16.49	3.14	3.1	1.94	1.49	15.50	8.2
4.8	+3.6	+3.9	+3.3	+2.0	7.24	+0.8
148.0	146.25	146.25	379		7.44	
10.24	12.49	14.49	4.95	J.R.	-0.2	
10.94	12.39					
-0.2	-0.1			3.19		
				158.14	H.T.	
				147.25		
				10.89		
				3.17		
				+7.7		
155.0	154.40	154.00	5.00	15.00		
1.39	2.54	2.74	3.84	3.74		
148.00	147.00	146.00	145.00	144.00	143.00	142.00
8.74	9.94	10.14	10.34	10.54	10.74	10.94
44	45	46				
578	579					

Checked OK 6-25-14 blough

200 - W.L. Grant	155.25	155.00	154.40	154.00	153.10	153.00	152.00
150	153.25	152.45	152.05	151.35	151.25	150.00	149.00
100	151.75	151.70	150.90	150.50	149.60	149.50	148.00
50	150.00	149.75	149.75	147.85	147.75	146.00	145.00
E.L. Corten	148.25	148.00	147.40	147.00	146.10	146.00	145.00
200 -							
E.L. Corten	148.25	148.00	147.40	147.00	146.10	146.00	145.00
E. Corb	148.00	147.81	147.20	146.81	145.92	145.77	144.00
E 1/4	147.89	146.64	147.02	146.62	145.73	145.57	144.00
Center	147.92	146.47	146.84	146.44	145.52	144.27	143.00
W 1/4	147.64	146.29	146.66	146.26	145.35	144.17	143.00
W Corb	147.00	146.12	146.49	146.09	145.16	143.97	143.00
	← 12'	← 15'	← 15'	← 15'	← 15'	← 14'	
W Corten Sec D	147.25	145.98	146.30	145.77	144.95	143.98	143.00
Center Sec C	146.75	145.50	145.91	145.53	144.64	143.56	143.00
W 1/4 Sec B	146.25	145.38	145.74	145.35	144.45	143.38	143.00
W Corb Sec A	146.00	145.76	145.76	145.77	144.28	143.75	143.00
W.L. Horton	146.25	146.00	145.60	145.80	144.10	144.00	143.00

For Intersection at 33rd not graded

600	86.25	86.0	85.4	85.5	84.85	85.0	80.0
575	85.65	85.4	84.8	84.9	84.3	84.4	80.0
550	85.15	84.9	84.3	84.4	83.7	83.9	80.0
525	84.55	84.3	83.7	83.8	83.2	83.3	80.0
500	83.95	83.7	83.1	83.2	82.6	82.7	80.0
475	83.45	83.2	82.6	82.6	82.1	82.2	80.0
450	82.85	82.6	82.0	82.1	81.5	81.6	80.0
425	82.25	82.0	81.4	81.5	81.0	81.0	80.0
400	81.65	81.4	80.8	80.9	80.4	80.4	80.0
375	81.15	80.9	80.3	80.4	79.9	79.9	80.0
350	80.55	80.3	79.7	79.8	79.3	79.3	80.0
325	80.05	79.83	79.2	79.3	79.0	78.83	80.0
300	79.85	79.62	79.0	79.1	78.8	78.62	80.0
275	79.85	79.62	79.0	79.1	78.8	78.62	80.0
250	80.15	79.9	79.3	79.4	79.0	78.9	80.0
225	80.65	80.45	79.8	79.9	79.6	79.4	80.0
200	81.35	81.07	80.5	80.6	80.2	80.07	80.0
175	82.25	82.0	81.4	81.5	81.2	81.02	80.0
150	83.45	83.2	82.6	82.7	82.4	82.2	80.0
125	84.75	84.5	83.9	84.0	83.6	83.5	80.0
100	86.05	85.8	85.2	85.3	84.9	84.8	80.0
75	87.35	87.1	86.5	86.6	86.1	86.1	80.0
50	88.65	88.4	87.8	87.9	87.4	87.4	80.0
25	89.95	89.7	89.1	89.2	88.6	88.7	80.0
F.L. 32	91.25	91.0	90.4	90.5	89.85	90.0	90.0

