Cross-Sections of
Harrison Ave. from N. St.
to 28th St.
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Cross-Section,
Eighth & Ninth Str
From University Ave to Grant.

Levels on Front St. Sewer.

5TH St Cross-sections.

400

LEVEL

203

F.B. 203

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

Minutes	Lks.	Minutes	Lks.	Minutes	Lks.
1	2 1/3	21	49	41	95 2/3
2	4 2/3	22	51 1/3	42	98
3	7	23	53 2/3	43	100 1/3
4	9 1/3	24	56	44	102 2/3
5	11 2/3	25	58 1/3	45	105
6	14	26	60 2/3	46	107 1/3
7	16 1/3	27	63	47	109 2/3
8	18 2/3	28	65 1/3	48	112
9	21	29	67 2/3	49	114 1/3
10	23 1/3	30	70	50	116 2/3
11	25 2/3	31	72 1/3	51	119
12	28	32	74 2/3	52	121 1/3
13	30 1/3	33	77	53	123 2/3
14	32 2/3	34	79 1/3	54	126
15	35	35	81 2/3	55	128 1/3
16	37 1/3	36	84	56	130 1/3
17	39 2/3	37	86 1/3	57	133
18	42	38	88 2/3	58	135 1/3
19	44 1/3	39	91	59	137 2/3
20	46 2/3	40	93 1/3	60	140

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TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links
0		0		0		0	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

203

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Childs
Lewis
Brooks

Feb. 18, 1905

Cross Section of
Harrison Ave. from
N. St. to 28th

252'.5 W. 23rd on South line of Harrison Junction with N. St.

	H.I 54.49	R.R.	Elev.
S. line		10.0	44.5
	233'.21 W. 23rd on S. line Harrison		
S. line		11.0	43.5
cb		10.0	44.5
	212'.73 W 23rd on South line H.		
S. line		14.0	40.5
cb		12.7	41.8
1/4		9.3	45.2

192.25' W. 23rd on South line

	R.R.	Elev.
S. line	12.3	42.2
CB	12.3	42.2
¼	12.1	42.4
C	13.6	40.9

171.77 W. 23rd on S. line Harrison

	R.R.	Elev.
S. line	11.8	42.7
CB	11.1	42.4
¼	10.8	43.7
C	8.5'	46.0
C+4'	14.0	40.5
¼	13.2	44.3

151.29 W 23rd

	R.R.	Elev.
S. line	10.8	43.7
CB	11.1	43.4
¼	10.6	43.9
¼+13'	6.4	49.1
C	5.6	46.9
C+4'	6.2	48.3
C+13'	10.6	43.9
¼	11.7	42.8
¼+10'	14.2	40.3
CB	10.7	43.8

132.01 W. 23rd on S. line Harrison

	R.R.	Elev.
S. line	10.2	44.3
CB	10.2	44.3
¼	11.1	43.4
¼+4'	10.6	43.9
¼+14'	6.2	48.3
C	3.5'	49.0

	R.R.	Elev.
C+4'	6.1	48.4
1/4	10.9	43.6
CB	11.6	42.9
CB+2'	14.0	40.5
CB+6'	14.2	40.3
CB+7'	10.5	40.0
N. line	9.1	45.4
125' W. 23rd on South line		
N. line	9.5	45.0
5' So. N. line	11.0	44.0
6" So. N. line	14.2	40.3
4' N. CB	14.1	40.4
CB	11.4	43.1
1/4	10.8	43.7
4' N. of center	5.9	48.6
C	5.3	48.0
C+3'	6.2	48.3

	R.R.	Elev.
4' N. of 1/4	10.4	44.1
1/4	10.6	43.9
CB	10.1	44.4
S. line	9.7	44.8
100' W. 23rd on So. line Harrison		
S. line	7.6	46.9
CB	9.0	45.5
1/4	9.2	45.3
1/4+4'	9.0	45.5
1/4+13'	6.0	48.5
C	5.3	49.0
C+4'	5.7	48.8
1/4	10.4	44.1
CB	12.8	41.7
N. line	10.0	44.5

75' W. 23rd

	R.R.	Elev.
N. line	9.8	44.9
Cb	10.1	44.4
Cb+3'	10.4	44.1
Cb+4'	11.9	42.6
Cb+14'	12.0	42.5
1/4	9.7	44.8
1/4+5'	9.1	45.4
1/4+13'	3.9	48.6
C	5.4	49.1
C+4'	6.2	48.3
C+12'	8.3	46.2
1/4	7.8	46.7
Cb	6.9	47.6
S. line	5.5-	49.0

50' W. 23rd W. South line

	R.R.	Elev.
S. line	2.8	51.7
Cb	4.5-	50.0
1/4	6.5-	48.0
1/4+5'	7.2	47.3
1/4+13'	5.4	49.1
C	5.1	49.4
C+4'	5.8	48.7
C+12'	8.2	46.3
1/4	8.5-	46.0
Cb	9.9	44.6
N. line	10.5-	44.0

5-5' W 23rd

N. line	11.6	42.9
Cb.	11.7	42.8
Cb+5'	11.7	42.8
Cb+6'	9.4	45.1
1/4	8.8	45.7

25' W. 23rd or So. line	R.R.	Elev.
N. line	9.1	45.7
CB	8.2	46.3
¼	7.1	47.4
¼ + 7'	6.7	47.8
¼ + 13'	5.2	49.3
C	4.7	49.8
C + 4'	5.3	49.2
C + 10'	7.0	47.5
¼	5.3	49.2
CB	2.8	51.7
S. line	1.5	53.0
West line 23rd or So. line Harrison.		
S. line	1.0	53.5
CB	3.1	51.4
¼	4.5	50.0
¼ + 10'	5.7	48.8
¼ + 13'	4.7	49.8

	R.R.	Elev.
C	4.3	50.2
C + 4'	4.6	49.9
C + 8'	6.2	48.3
¼	6.3	48.2
CB	6.8	47.7
N. line	7.6	46.9
West line 23rd St. (15.4) East of last reading on North line Harrison Subs So. line Harrison at same point as last section.		
N. line	6.7	47.8
CB.	6.3	48.2
¼	5.7	48.8
¼ + 9'	5.9	48.6
¼ + 13'	4.4	50.1
C	4.1	50.4
C + 4'	4.5	50.0

	R.R.	Elev.
C+7'	5.5	49.0
1/4	3.9	50.6
CB	2.6	51.9
S. line	1.0	53.5
W. CB. 23rd ST.		
S. line	0.9	53.6
CB	1.9	52.6
1/4	4.0	50.5
1/4+10'	3.2	49.3
1/4+13'	4.2	50.3
C	4.0	50.5
C+4'	4.2	50.3
C+7'	3.6	48.9
1/4	3.2	49.3
CB	6.0	48.5
N. line	6.7	47.8

W. 1/4 23rd ST.	R.R.	Elev.
N line	6.3	48.2
CB	5.6	48.9
1/4	4.9	49.6
C	4.7	49.8
1/4	3.7	50.8
CB	2.3	52.2
S. line	0.7	53.8
Center 23rd ST.		
S. line	0.6	53.9
CB	2.1	52.4
1/4	3.5	51.0
C	3.7	50.8
1/4	4.6	49.9
CB	4.9	49.6
N. line	3.4	49.1

E. ¼ 23rd St.	R.R.	Elev.
N. line	4.1	50.4
CL	4.4	50.1
¼	4.2	50.3
C	3.0	51.5
C+7'	3.7	50.8
C+12'	1.4	53.1
¼	1.5	53.0
CL	1.4	53.1
S. line	0.0	54.5
E. CL. 23rd St.		
S. line	−0.4	54.90
CL	0.9	53.6
¼	1.3	53.2
¼+7'	1.1	53.4
¼+11'	3.3	51.2
C	2.9	51.6
¼	3.5	51.0

	R.R.	Elev.
CL	4.1	50.4
N line	3.5	51.0
East line 23rd St.		
H.I. 60.79		
N line	10.5	50.3
CL	9.4	51.2
¼	8.4	52.4
¼+5'	7.7	53.1
¼+13'	8.7	52.1
C	8.8	52.0
C+4'	9.1	51.7
C+10'	6.9	53.9
¼	7.2	53.6
CL	6.9	53.9
S. line	5.8	55.0

	R.R.	Elev.
35.7 E 23rd or So. line = E. line or North.		
S. line	5.2	55.6
CB	6.1	54.7
1/4	6.6	54.2
1/4 +8'	6.7	54.1
1/4 +11'	8.6	52.2
C	8.2	52.6
C +5'	8.1	52.7
C +8'	6.7	54.1
1/4	8.0	52.8
CB	9.1	51.7
N. line	10.5	50.3
50 E. 23rd ST. or South line Harrison and all distances hereafter will be refered to South line of Harrison & E of 23rd ST.		
N line	10.2	50.6
CB	8.7	52.1
1/4	7.8	53.0
C	7.7	53.1
1/4	7.8	53.0
CB	6.3	54.5
S. line	5.5	55.3
75' E. 23rd		
S. line	6.7	54.1
CB	7.4	53.4
1/4	7.0	53.8
1/4 +12'	8.0	52.8
C	7.0	53.8
C +6'	8.1	52.7
1/4	8.3	52.5
CB	9.1	51.7
N. line	10.1	50.7

100' E. 23rd	R.R.	Elev.
N.line	9.9	50.9
CB	9.5	51.3
¼	9.1	51.7
¼+12	9.0	51.8
¼+14	6.4	54.4
C	6.3	54.5
C+4'	6.6	54.2
C+7'	8.3	52.5
¼	8.1	52.7
CB	7.7	53.1
S.line	7.5	53.3
125' E. 23rd.		
S.line	6.1	54.7
CB	6.1	54.7
¼	6.2	54.6
¼+10'	6.9	53.9
¼+13'	5.9	54.9

	R.R.	Elev.
C	5.6	55.2
C+4'	5.9	54.9
C+7'	7.8	53.0
¼	8.8	52.0
CB	8.9	51.9
N.line	9.3	51.5
150' E. 23rd		
N.line	8.8	52.0
CB	8.3	52.5
¼	6.3	54.5
C	4.9	56.9
¼	5.3	55.5
CB	5.6	55.2
S.line	5.7	55.1

175' E 23rd	R.R.	Elev.
S. line	4.7	56.1
CB	4.7	56.1
1/4	5.0	55.8
C	4.5	56.3
1/4	5.9	54.9
CB	7.7	53.1
N. line	7.8	53.0
200' E. 23rd		
N. line	6.8	54.0
CB	8.0	52.8
1/4	6.0	54.8
1/4+10'	6.1	54.7
1/4+13'	3.6	57.2
C	3.5	57.3
C+4'	3.6	57.2
C+8'	5.4	55.4
1/4	5.0	55.8

CB	4.4	56.4
S. line	4.1	56.7
225' E. 23rd		
S. line	3.6	57.2
CB	4.5	56.3
1/4	5.2	55.6
1/4+8'	5.3	55.5
1/4+13'	2.8	58.0
C	2.5	58.3
C+4'	2,9	57.9
C+8'	5.3	55.5
1/4	5.6	55.2
CB	5.1	55.7
N. line	5.7	55.1

250' E. 23rd

	R.R.	Elev.
N. line	2.5	58.3
CL	3.3	57.5
1/4	4.3	56.5
1/4 + 9'	4.6	56.2
1/4 + 13'	2.2	58.6
C	1.8	59.0
C + 4'	2.3	58.5
C + 8'	4.6	56.2
1/4	4.9	55.9
CL	4.8	56.0
S. line	4.4	56.4

275' E. 23rd

S. line	4.0	56.8
CL	3.5	57.3
1/4	3.2	57.6
1/4 + 9'	3.4	57.4
1/4 + 13'	1.2	59.6

C	0.9	59.9
C + 4'	1.2	59.6
C + 8'	3.2	57.6
1/4	1.4	59.4
CL	−0.1	60.9
N. line	HI 70.97	8.8 62.2

300' E. 23rd

H.I. 70.97

N. line	6.9	64.1
CL	7.3	63.7
1/4	7.6	63.4
1/4 + 11'	11.3	59.7
1/4 + 13'	10.3	60.7
C	10.2	60.8
C + 5'	11.1	59.9
1/4	10.8	60.2
CL	12.6	58.4
S. line	13.4	57.6

325' E 23rd

	R.R.	Elev
S.line	10.9	60.1
CB	9.6	61.4
1/4	8.6	62.4
1/4+8'	8.3	62.7
1/4+9'	10.0	61.0
C	9.3	61.7
C+5'	9.1	61.9
C+7'	6.4	64.6
1/4	6.7	64.3
CB	5.8	65.2
N.line	5.7	65.3

350' E 23rd

N.line	4.5	66.5
CB	4.4	66.6
1/4	5.4	65.6
1/4+9'	6.3	64.7
1/4+11'	8.2	62.8

	R.R.	Elev
C	8.9	62.1
C+5'	8.6	62.4
C+9'	5.8	65.2
1/4	6.3	64.7
CB	7.0	63.0
S.line	7.9	63.1

375' E 23rd

S.line	6.1	64.9
CB	5.5	65.5
1/4	5.0	66.0
1/4+7'	4.9	66.1
1/4+11'	7.2	63.8
C	7.5	63.5
C+5'	7.2	63.8
C+7'	4.1	66.9
1/4	3.7	67.3
CB	3.5	67.5
N.line	3.3	67.7

400' E 23rd

	R.R.	Elev.
N. line	2.0	69.0
CB	2.5	68.5
1/4	2.9	68.1
1/4 +10'	3.2	67.8
1/4 +11'	6.4	64.6
C	6.9	64.1
C+7'	6.8	64.2
C+10'	4.0	67.0
1/4	4.1	66.9
CB	5.1	65.9
S. line	4.4	66.6

425' E 23rd

S line	3.7	67.3
CB	4.5	66.5
1/4	3.3	67.3
1/4 +8'	3.2	67.8
1/4 +10'	6.3	64.7

	R.R.	Elev.
C	6.0	65.0
C+5'	5.6	65.4
C+8'	3.0	68.0
1/4	2.2	68.8
CB	1.7	69.3
N. line	1.4	69.6

450' E 23rd

N. line	0.8	70.2
CB	1.2	69.8
1/4	2.0	69.0
1/4 +10'	2.6	68.4
1/4 +12'	4.8	66.2
C	5.4	65.6
C+7'	5.5	65.5
C+10'	2.8	68.2
1/4	3.2	67.8
CB	3.9	67.1
S line	3.5	67.5

475⁻¹ E 23rd	R.R.	Elev.
S.line	4.0	67.0
CB	3.6	67.4
¼	2.8	68.2
¼+8'	2.3	68.7
¼+12'	3.0	66.0
C	4.7	66.3
C+5⁻¹	4.5	66.5
C+8'	1.5	69.5
¼	1.1	69.9
CB	0.6	70.4
N.line	0.2	70.8
500' E 23rd		
N.line	-0.3	71.3
CB	0.3	70.7
¼	0.6	70.4
¼+9'	1.3	70.7
¼+14'	3.4	67.6

	R.R.	Elev.
C	3.9	67.1
C+6'	3.8	67.2
C+9'	1.7	69.3
¼	2.7	68.3
CB	3.5	67.5
S.line	4.2	66.8
525⁻¹ E 23rd		
S.line	4.0	67.0
CB	3.9	67.1
¼	2.9	68.1
¼+9'	2.0	69.0
¼+13'	3.3	67.7
C	3.4	67.6
C+5⁻¹	2.9	68.1
C+8'	0.6	70.4
¼	0.3	70.7
CB	0.0	71.0
N.line	-0.6	71.6

3-50' E 23rd	R.R.	Elev.
N. line	- 0.5	71.5
cb	0.1	70.9
1/4	0.1	70.9
1/4 + 9'	1.6	69.4
1/4 + 13'	3.2	67.8
C	2.9	68.1
1/4	3.6	67.4
cb	3.8	67.2
S. line	4.2	66.8
S-75-1 E. 23rd		
S. line	4.1	66.9
cb	4.3	66.7
1/4	3.4	67.6
C	2.7	68.3
1/4	1.9	69.1
cb	0.8	70.2
N. line	0.1	70.9

West line 24th ST	R.R.	Elev.
N. line	1.0	70.0
cb	1.6	69.4
1/4	2.4	68.6
1/4 + 13'	2.7	68.3
C	2.0	69.0
C + 4'	2.5	68.5
C + 8'	3.6	67.4
1/4	3.8	67.2
cb	4.2	66.8
S. line	3.7	67.3

Childs
Lewis
Brookes

Feb. 20. 1905

H.I. 77.00

	R.R.	Elev.
West Cb. 24th		
S. line	10.1	66.9
Cb	10.1	66.9
1/4	9.9	67.1
1/4 + 9'	9.6	67.4
C	8.0	69.0
C + 7'	9.1	67.9
1/4	8.4	68.6
Cb	7.7	69.3
N. line	7.0	70.0
W. 1/4 24th		
N. line	7.0	70.0
Cb	7.2	69.8
1/4	8.5	68.5
1/4 + 10'	9.0	68.0
C	7.7	69.3
C + 9'	9.5	67.5
1/4	9.6	67.4
Cb	9.7	67.3
S. line	9.4	67.6
Center 24th St.		
S. line	9.5	67.5
Cb	9.8	67.2
1/4	9.4	67.6
1/4 + 9'	9.3	67.7
1/4 + 13'	7.9	69.1
C	7.6	69.4
C + 4'	8.0	69.0
C + 6'	8.9	68.1
1/4	8.1	68.9
C	7.1	69.9
N. line	6.7	70.3

E. ¼ 24th

	R.R.	Elev.
N. line	6.6	70.4
Cb	7.3	69.7
¼	7.7	69.3
C	7.4	69.6
C + 8'	9.2	67.8
¼	9.1	67.9
Cb	8.8	68.2
S. line	9.1	67.9

E. Cb 24th

S. line	8.8	68.2
Cb	8.4	68.6
¼	8.9	68.1
¼ + 9'	8.6	68.4
C	7.4	69.6
C + 6'	8.2	68.8
¼	7.7	69.3
Cb	6.9	70.1

	R.R.	Elev.
N. line	5.9	71.1

East line 24th St.

N. line	5.2	71.8
Cb	6.1	70.9
¼	7.8	69.2
¼ + 12'	8.0	69.0
C	7.3	69.7
C + 8'	8.8	68.2
¼	7.7	68.3
Cb	7.9	69.1
S. line	8.3	68.7

25' E. 24th	R.R.	Elev.
S. line	7.5	69.5
CL	8.2	68.8
1/4	7.7	69.3
C	7.1	69.9
1/4	7.3	69.7
CL	6.5	70.5
N. line	6.0	71.0
50' E. 24th		
N. line	5.7	71.3
CL	6.6	70.4
1/4	7.0	70.0
C	7.0	70.0
1/4	7.4	69.6
CL	6.7	70.3
S. line	6.5	70.5

75' E. 24th	R.R	Elev.
S. line	7.5	69.5
CL	6.6	70.4
1/4	5.4	71.6
1/4 + 9'	5.6	71.4
C	6.6	70.4
1/4	6.4	70.6
CL	4.8	72.2
N. line	4.7	72.3
100' E 24th		
N. line	5.2	71.8
CL	5.1	71.9
1/4	5.8	71.2
C	6.0	71.0
1/4	6.2	70.8
CL	7.3	69.7
S. line	7.6	69.4

125' E. 24th	R.R.	Elev.
S. line	7.6	69.4
cb	7.0	70.0
1/4	7.1	69.9
1/4 + 9'	7.0	70.0
c	5.5⁻	71.5
c + 7'	6.5⁻	70.5
1/4	5⁻.9	71.1
cb	5⁻.4	71.6
N. line	5⁻.2	71.8
150' E. 24th		
N. line	5⁻.0	72.0
cb	4.9	72.1
1/4	3⁻.6	71.4
1/4 + 9'	6.3	70.7
1/4 + 14'	5⁻.2	71.8
c	4.9	72.1
c + 4'	5.5⁻	71.5

	R.R.	Elev.
c + 9'	6.9	70.1
1/4	7.0	70.0
cb	7.4	69.6
S. line	7.4	69.6
175' E. 24th		
S. line	7.2	69.8
cb	6.9	70.1
1/4	6.6	70.4
1/4 + 9'	6.3	70.7
1/4 + 13'	4.7	72.3
c	4.3	72.7
c + 4'	4.5⁻	72.5
c + 7'	6.1	70.9
1/4	5⁻.9	71.1
cb	5.5⁻	71.5
N. line	5.3⁻	71.5

200' E. 24th

	R.R.	Elev.
N. line	5.3	71.7
cb	5.4	71.6
1/4	5.8	71.2
1/4+9'	5.7	71.3
1/4+14'	3.8	73.2
C	3.6	73.4
C+3'	4.1	72.9
C+9'	5.9	71.1
1/4	6.2	70.8
cb	6.6	70.4
S. line	6.7	70.3

225' E. 24th

S. line	6.0	71.0
cb	5.7	71.3
1/4	5.7	71.3
1/4+9'	5.7	71.3
1/4+14'	3.4	73.6
C	2.9	74.1
C+3'	3.0	74.0
C+8'	5.6	71.4
1/4	5.4	71.6
cb	5.1	71.9
N. line	5.1	71.9

250' E. 24th

N. line	4.8	72.2
cb	4.9	72.1
1/4	4.9	72.1
1/4+10'	4.7	72.3
C	2.3	74.7
C+5'	4.2	72.8
1/4	5.0	72.0
cb	5.2	71.8
S. line	5.4	71.6

	R.R.	Elev.
25'5" E. 24th		
7' So. of Center	4.6	72.4
C	4.1	72.9
8' North Center	4.5	72.5
267' E 24th		
8' North Center	4.3	72.7
C	3.9	73.1
8' So. Center	4.0	72.0
275' E 24th		
So. line	4.9	72.1
CB	4.9	72.1
1/4	4.2	72.8
1/4 + 8'	3.9	73.1
1/4 + 15'	1.4	73.6
C	1.3	73.7
C + 3'	1.6	73.4
C + 9'	4.3	72.7
1/4	4.4	72.6

	R.R.	Elev.
CB.	4.4	72.6
N. line	4.6	72.4
300' E 24th		
N. line	4.0	73.0
CB	4.1	72.9
1/4	4.0	73.0
1/4 + 8'	3.8	73.2
1/4 + 14'	1.1	75.9
C	0.8	76.2
C + 3'	0.9	76.1
C + 9'	3.4	73.6
1/4	4.1	72.9
CB	3.7	73.3
S. line	3.4	73.6

325' E 24th	R.R.	Elev.
S line	2.2	74.8
CB	2.6	74.4
1/4	3.4	73.6
1/4 + 6'	2.6	74.4
C	-0.3	77.3
C + 3'	-0.2	77.2
C + 8'	3.1	73.9
1/4	3.6	73.4
CB	3.2	73.8
N line	3.4	73.6

350' E 24th H.I. 88.14	R.R.	Elev.
N line	13.9	74.2
CB	14.0	74.1
1/4	13.4	74.7
1/4 + 9'	13.0	75.1
C	9.9	78.2
C + 4'	10.3	77.8
C + 9'	13.0	75.1
1/4	11.9	76.2
CB	12.0	76.1
S line	11.6	76.5
375' E. 24th		
S line	10.6	77.5
CB	9.9	78.2
1/4	10.1	78.0
1/4 + 9'	10.4	77.7
C	9.0	79.1

	R.R.	Elev.
C+8'	12.2	75.9
1/4	13.0	75.1
CB	13.7	74.4
N. line	13.4	74.7
400' E 24th		
N. line	12.7	75.4
CB	12.7	75.4
1/4	12.7	75.4
1/4+9'	12.2	75.9
1/4+13'	8.7	79.4
C	8.2	79.9
C+4'	8.7	79.4
C+8'	10.1	78.0
1/4	10.4	77.7
CB	9.5	78.6
S. line	9.8	78.3

425' E. 24th	R.R.	Elev.
S. line	9.1	79.0
CB	9.2	78.9
1/4	10.1	78.0
1/4+9'	9.7	78.4
1/4+13'	8.1	80.0
C	7.7	80.4
C+4'	8.0	80.1
C+8'	10.6	77.5
1/4	12.0	76.1
CB	11.9	76.2
N. line	11.5	76.6
428' E. 24th		
8' North Center	10.2	77.9
C	10.1	78.0
8' South Center	9.9	78.2

450' E. 24th	R.R.	Elev.
N. line	11.0	77.1
cb	11.4	76.7
1/4	11.2	76.9
c	10.0	78.1
1/4	9.6	78.5
cb	8.3	79.8
S. line	7.6	80.5

475' E. 24th	R.R.	Elev.
S. line	6.5	81.6
cb	7.2	80.9
1/4	8.4	79.7
c	9.5	78.6
1/4	10.1	78.0
cb	9.5	78.6
N. line	8.3	79.8

500' E. 24th	R.R.	Elev.
N. line	7.3	80.8
cb	7.7	80.4
1/4	8.1	80.0
c	7.4	80.7
1/4	6.7	81.4
cb	5.3	82.8
S. line	5.3	82.8

525' E. 24th	R.R.	Elev.
S. line	4.6	83.5
cb	4.4	83.7
1/4	5.3	82.8
c	6.6	81.5
1/4	7.3	80.8
cb	7.0	81.1
N. line	6.1	82.0

3-50' E. 24th	R.R.	Elev.
N. line	4.7	83.4
CL	5.9	82.2
1/4	6.4	81.7
C	6.0	82.1
1/4	4.7	83.4
CL	3.6	84.5
S. line	3.7	84.4
3-75 E. 24th		
S. line	2.9	85.2
CL	2.9	85.2
1/4	3.8	84.3
C	5.0	83.1
1/4	5.3	82.8
CL	4.9	83.2
N. line	4.0	84.1

West line 25th St.	R.R.	Elev.
N. line	3.1	85.0
CL	3.9	84.2
1/4	3.9	84.2
C	3.5	84.6
1/4	2.9	85.2
CL	1.5	86.6
S. line	1.5	86.6
W. CL. 25th		
H.I. 100.76		
S. line	14.0	86.8
CL	14.3	86.5
1/4	15.2	85.6
C	15.3	85.5
1/4	16.0	84.8
CL	15.9	84.9
N. line	15.6	85.2

W. 1/4 25-th	R.R.	Elev.
N. line	15.0	85.8
Cb	14.9	85.9
1/4	14.3	86.5
C	14.8	86.0
1/4	14.5	86.3
Cb	14.0	86.8
S. line	13.5	87.3

Center 25-th St.		
S. line	13.2	87.6
Cb	13.2	87.6
1/4	14.0	86.8
C	14.3	86.5
1/4	14.6	86.2
Cb	14.3	86.5
N. line	14.2	86.6

E. 1/4. 25-th St.	R.R.	Elev.
N. line	13.5	87.3
Cb	13.9	86.9
1/4	14.0	86.8
C	13.9	86.9
1/4	13.2	87.6
Cb	12.7	88.1
S. line	12.7	88.1

E. Cb 25-th		
S. line	12.1	88.7
Cb	11.9	88.9
1/4	12.6	88.2
C	13.3	87.5
1/4	13.4	87.4
Cb	13.4	87.4
N. line	13.1	87.7

East line 25-th

	R.R.	Elev.
N. line	12.9	87.9
Cb	13.0	87.8
1/4	13.1	87.7
C	12.9	87.9
1/4	10.7	90.1
Cb	11.3	89.5
S. line	11.9	88.9

25-1 E. 25-th

S. line	11.0	89.8
Cb	11.1	89.7
1/4	9.6	91.2
1/4 + 9'	10.3	90.5
1/4 + 13'	11.6	89.2
C	11.2	89.6
C + 5-1	11.1	89.7
C + 8'	10.0	90.8
1/4	10.1	90.7

	R.R.	Elev.
Cb	10.6	90.2
N. line	10.2	90.6

50' E. 25-th

N. line	8.6	92.2
Cb	8.6	92.2
1/4	8.4	92.4
1/4 + 9'	8.6	92.2
1/4 + 13'	9.7	91.1
C	10.3	90.5
C + 4'	10.6	90.2
C + 9'	8.9	91.9
1/4	8.6	92.2
Cb	9.0	91.8
S. line	9.8	91.0

75' E. 25-th

	R.R.	Elev.
S. line	8.2	92.6
cb	7.3	93.5
¼	7.0	93.8
¼ + 9'	7.6	93.2
¼ + 12'	9.6	91.2
C	9.2	91.6
C + 6'	8.7	92.1
C + 8'	7.5	93.3
¼	7.4	93.4
cb	7.6	93.2
N. line	7.6	93.2

100' E. 25-th

N. line	6.2	94.6
cb	5.8	95.0
¼	5.4	95.4
¼ + 9'	6.0	94.8
¼ + 11'	7.8	93.0

	R.R.	Elev.
C	8.1	92.7
C + 4'	8.2	92.6
C + 8'	6.1	94.7
¼	4.7	96.1
cb	5.8	95.0
S. line	7.0	93.8

125' E 25-th

S. line	5.8	95.0
cb	5.0	95.8
¼	4.6	96.2
¼ + 9'	5.5	95.3
¼ + 14'	7.2	93.6
C	7.0	93.8
C + 6'	7.0	93.8
C + 9'	4.9	95.9
¼	4.7	96.1
cb	4.6	96.2
N line	4.8	96.0

150' E. 25th	R.R.	Elev.
N. line	3.3	97.5
cb	3.4	97.4
1/4	2.6	98.2
1/4 + 7'	2.8	98.0
1/4 + 12'	5.3	95.5
C	6.5	94.3
C + 5'	6.1	94.7
C + 10'	3.2	97.6
1/4	2.8	98.0
cb	4.0	96.8
S. line	4.9	95.9

175' E. 25th		
S. line	4.0	96.8
cb	3.2	97.6
1/4	1.2	99.6
1/4 + 8'	2.6	98.2
1/4 + 12'	6.4	94.4

	R.R.	Elev.
C	6.3	94.5
C + 6'	5.3	95.5
C + 7'	2.0	98.8
1/4	1.3	99.5
cb	1.6	99.2
N. line	0.9	99.9

200' E. 25th		
N. line	0.0	100.8
cb	0.8	100.0
1/4	0.6	100.2
1/4 + 9'	1.3	99.5
1/4 + 13'	5.2	95.6
C	5.9	94.9
C + 6'	5.9	94.9
C + 9'	1.4	99.4
1/4	1.5	99.3
cb	2.5	98.3
S. line	3.6	97.2

225' E. 25-th

H.I. 102.95

	R.R.	Elev.
S.line	6.0	94.8
CL	4.8	96.0
1/4	3.9	96.9
1/4 + 8'	4.8	96.0
1/4 + 11'	6.4	94.4
C	6.5	94.3
C + 6'	6.3	94.5
C + 8'	3.2	97.6
1/4	3.4	97.4
CL	3.1	97.7
N.line	2.3	96.5

250' E. 25-th

N.line	1.9	98.9
CL	2.8	98.0
1/4	3.0	97.8
1/4 + 9'	3.2	97.6
1/4 + 11'	6.4	94.4
C	7.1	93.7
C + 5'	6.8	94.0
C + 9'	3.6	97.2
1/4	4.2	96.6
CL	5.4	95.4
S.line	6.1	94.7

275' E. 25-th

S.line	6.1	94.7
CL	5.2	95.6
1/4	3.9	96.9
1/4 + 9'	4.0	96.8
1/4 + 12'	6.9	93.9
C	7.1	93.7
C + 5'	6.2	94.6
C + 9'	3.1	97.7
1/4	2.5	98.3
CL	2.8	98.0
N.line	2.0	98.8

300' E. 25th	R.R.	Elev.
N. line	1.9	98.9
cb	2.8	98.0
1/4	2.6	98.2
1/4 + 8'	3.0	97.8
1/4 + 11'	6.2	94.6
C	7.2	93.6
C + 4'	7.1	93.7
C + 10'	4.6	96.2
1/4	4.4	96.4
cb	4.9	95.9
S. line	5.9	94.9

325' E. 25th		
S. line	6.0	94.8
cb	4.8	96.0
1/4	4.6	96.2
1/4 + 8'	4.8	96.0
1/4 + 12'	7.1	93.7

	R.R.	Elev.
C	7.2	93.6
C + 6'	6.4	94.4
C + 10'	3.4	97.4
1/4	3.3	97.5
cb	3.2	97.6
N. line	2.4	98.4

350' E. 25th		
N. line	2.6	98.2
cb	3.7	97.1
1/4	3.4	97.4
1/4 + 8'	3.1	97.7
1/4 + 12'	6.2	94.6
C	7.3	93.5
C + 4'	7.1	93.7
C + 8'	5.1	95.7
1/4	4.6	96.2
cb	5.7	95.1
S. line	6.1	94.7

375' E. 25th

	R.R.	Elev.
S. line	6.7	94.1
cb	6.1	94.7
1/4	5.1	95.7
1/4 + 9'	4.9	95.9
C	7.3	93.5
C + 6'	4.7	96.1
1/4	4.1	96.7
cb	4.0	96.8
N. line	3.1	97.7

400' E 25th

N. line	2.9	97.9
cb	4.5	96.3
1/4	4.1	96.7
1/4 + 9'	4.3	96.5
1/4 + 11'	6.5	94.3
C	7.3	93.5
C + 4'	6.8	94.0
C + 9'	4.8	96.0
1/4	4.8	96.0
cb.	6.2	94.6
S. line	7.2	93.6

425' E. 25th

S. line	7.3	93.5
cb	6.7	94.1
1/4	5.5	95.3
1/4 + 9'	6.1	94.7
1/4 + 13'	7.6	93.2
C	7.5	93.3
C + 6'	6.5	94.3
C + 10'	4.5	96.3
1/4	4.2	96.6
cb	4.9	95.9
N. line	3.7	97.1

450' E. 25-ths	R.R.	Elev.
N. line	3.5	97.3
CL	5.1	95.7
1/4	5.6	95.2
1/4 + 9'	5.9	94.9
1/4 + 11'	7.3	93.5
C	7.8	93.0
C + 4'	7.7	93.1
C + 7'	6.2	94.6
1/4	6.4	94.4
CL	7.0	93.8
S. line	7.8	93.0
475' E. 25-ths		
S. line	8.3	92.5
CL	7.7	93.1
1/4	7.5	93.3
1/4 + 9'	7.3	93.5
C	8.1	92.7

	R.R.	Elev.
C + 10'	6.8	94.0
1/4	6.6	94.2
CL	6.2	94.6
N. line	5.3	95.5
500' E 25-ths		
N. line	6.6	94.2
CL	7.1	93.7
1/4	7.1	93.7
1/4 + 7'	7.2	93.6
C	8.4	92.4
1/4	8.0	92.8
CL	8.8	92.0
S. line	9.0	91.8

5+25' E. 25-th	R.R.	Elev.
S. line	9.1	91.7
cb	9.2	91.6
1/4	8.4	92.4
C	8.8	92.0
1/4	8.0	92.8
cb	7.3	93.5
N. line	6.9	93.9
5+50' E. 25-th		
N. line	7.1	93.7
cb	7.5	93.3
1/4	8.2	92.6
C	8.9	91.9
1/4	9.0	91.8
cb	9.4	91.4
S. line	9.1	91.7

5+75' E. 25-th	R.R.	Elev.
S. line	8.7	92.1
cb	9.0	91.8
1/4	8.4	92.4
1/4+9'	7.6	93.2
1/4+12'	9.2	91.6
C	9.2	91.6
C+5'	9.4	91.4
C+8'	7.9	92.9
1/4	7.8	93.0
cb	7.5	93.3
N. line	6.8	94.0
West line 26th St.		
N line	7.5	93.3
cb	7.3	93.5
1/4	7.2	93.6
1/4+8'	7.2	93.6
1/4+13'	9.2	91.6

	R.R.	Elev.
C	9.3	91.5
C+3	8.6	92.2
C+7	7.4	93.4
¼	8.0	92.8
Cb	9.0	91.8
S. line	9.2	91.6

W. Cb. 26th

H.I. 96.56

S. line	2.5	94.1
Cb	2.4	94.2
¼	1.7	94.9
¼ + 12'	1.2	95.4
¼ + 13'	2.8	93.8
C	3.0	93.6
C + 6'	2.6	94.0
C + 8'	0.8	95.8
¼	1.2	95.4

	R.R.	Elev.
Cb	0.5	96.1
N. line	1.2	95.4

W. ¼ 26th

N. line	1.3	95.3
Cb	1.5	95.1
¼	2.0	94.6
C	2.2	94.4
¼	1.8	94.8
Cb	2.6	94.0
S. line	3.1	93.5

Center 26th St.

S. line	3.4	93.2
Cb	2.8	94.8
¼	2.2	94.4
C	2.7	93.9
¼	2.5	94.1
Cb	2.1	94.5
N. line	1.8	94.8

E. 1/4 26th

	R.R.	Elev.
N. line	1.7	94.9
CL	2.1	94.5
1/4	2.5	94.1
C	2.8	93.8
1/4	1.9	94.7
CL	2.8	93.8
S. line	3.4	93.2

E. CL 26th

S. line	3.2	93.4
CL	3.1	93.5
1/4	1.6	95.0
1/4 + 6'	1.3	95.3
1/4 + 12'	3.3	93.3
C	3.1	93.5
1/4	2.5	94.1
CL	1.9	94.7
N. line	1.9	94.7

East line 26th St.

	R.R.	Elev.
N line	2.0	94.6
CL	2.3	94.3
1/4	2.7	93.9
C	3.5	93.1
C + 5'	3.7	92.9
C + 12'	1.5	95.1
1/4	1.4	95.2
CL	3.1	93.5
S. line	3.4	93.2

25' E. 26th

S. line	4.3	92.3
CL	3.7	92.9
1/4	3.7	92.9
1/4 + 5'	3.0	93.6
C	4.2	92.4
1/4	3.0	93.6
CL	3.3	93.3
N. line	3.0	93.6

50' E. 26th	R.R.	Elev.
N. line	3.8	92.8
Cb	4.1	92.5
1/4	3.9	92.7
1/4+14'	4.7	91.9
C	4.4	92.2
1/4	4.5-	92.1
Cb	4.6	92.0
S. line	5.0	91.6

75' E. 26th		
S. line	5.9	90.7
Cb	5.5-	91.1
1/4	5.3	91.3
C	5.4	91.2
1/4	5.3	91.3
Cb	4.9	91.7
N. line	4.3	92.3

100' E. 26th	R.R.	Elev.
N. line	4.3	92.3
Cb	4.8	91.8
1/4	5.4	91.2
C	5.4	91.2
C+11'	6.4	90.2
1/4	5.6	91.0
Cb	5.6	91.0
S. line	6.4	90.2

125' E. 26th		
S. line	7.2	89.4
Cb	6.8	89.8
1/4	6.7	89.9
1/4+11'	6.7	89.9
C	5.5-	91.1
1/4	5.9	90.7
Cb	5.5-	91.1
N. line	4.5-	92.1

150' E. 26th	R.R.	Elev.
N. line	6.4	90.2
Cb	6.4	90.2
1/4	6.4	90.2
1/4+11'	6.4	90.2
C	5.7	90.9
C+8'	7.3	89.3
1/4	7.0	89.6
Cb	7.8	88.8
S. line	7.7	88.9

175' E. 26th		
S. line	8.2	88.4
Cb	8.2	88.4
1/4	7.5	89.1
C	6.3	90.3
1/4	6.8	89.8
Cb	6.5	90.1
N. line	5.7	90.9

200' E. 26th	R.R.	Elev.
N. line	6.1	90.5
Cb	6.2	90.4
1/4	6.4	90.2
1/4+7'	7.2	89.4
C	6.3	90.3
C+8'	7.1	89.5
1/4	6.2	90.4
Cb	7.6	89.0
S. line	8.0	88.6

225' E. 26th		
S. line	7.6	89.0
Cb	7.9	88.7
1/4	7.3	89.3
1/4+11'	7.4	89.2
C	6.4	90.2
C+7'	7.3	89.3
1/4	6.2	90.4

	R.R.	Elev.
CL	6.0	90.6
N. line	6.6	90.0
250' E. 26th		
N. line	7.1	89.5
CL	7.2	89.4
¼	7.2	89.4
¼ + 8'	7.4	89.2
C	7.0	89.6
¼	7.8	89.8
CL	8.1	88.5
S. line	7.0	89.6

	R.R.	Elev.
275' E. 26th		
S. line	8.2	88.4
CL	8.3	88.3
¼	6.9	89.7
C	6.8	89.8
¼	6.8	89.8
CL	6.4	90.2
N. line	6.2	90.4
300' E. 26th		
N. line	6.5	90.1
CL	6.8	89.8
¼	6.4	90.2
¼ + 9'	5.9	90.7
C	7.1	89.5
¼	6.7	89.9
CL	7.6	89.0
S. line	7.9	88.7

325' E. 26th	R.R.	Elev.
S. line	8.1	88.5
cb	7.7	88.9
1/4	7.3	89.3
C	7.3	89.3
1/4	7.4	89.2
cb	7.3	89.3
N. line	7.0	89.6
350' E. 26th		
N. line	7.6	89.0
cb	7.9	88.7
1/4	7.5	89.1
1/4+9'	8.4	88.2
C	7.6	89.6
1/4	7.8	88.8
cb	8.4	88.2
S. line	8.5	88.1

375' E. 26th	R.R.	Elev.
S. line	9.3	87.3
cb	9.0	87.6
1/4	8.5	88.1
C	8.0	88.6
C+6'	8.7	87.9
1/4	8.1	88.5
cb	8.1	88.5
N. line	7.8	88.8
400' E. 26th		
N. line	7.5	89.1
cb	8.1	88.5
1/4	8.3	88.3
1/4+9'	9.2	87.4
C	8.2	88.4
C+6'	9.3	87.3
1/4	8.7	87.9
cb	9.1	87.5
S. line	9.6	87.0

425' E. 26th

H.I. 92.79

	R.R.	Elev.
S. line		
CB	5.9	86.9
1/4	5.5	87.3
C	4.8	88.0
1/4	4.5	88.3
CB	4.1	88.7
N. line	3.9	88.9
	3.6	89.2

450' E. 26th

N. line	3.4	89.4
CB	3.7	89.1
1/4	4.1	88.7
C	4.7	88.1
1/4	4.2	88.6
CB	5.2	87.6
S. line	5.2	87.6

475' E. 26th

	R.R.	Elev.
S. line	5.2	87.6
CB	5.0	87.8
1/4	4.2	88.6
C	4.8	88.0
1/4	4.2	88.6
CB	4.0	88.8
N. line	3.8	89.0

500' E. 26th

N. line	3.5	89.3
CB	2.9	89.9
1/4	4.1	88.7
C	5.0	87.8
1/4	4.9	87.9
CB	5.3	87.5
S. line	5.5	87.3

5-25' E. 26th		
S. line	4.6	88.2
Cb	4.6	88.2
1/4	4.6	88.2
C	5.2	87.6
1/4	4.6	88.2
Cb	3.9	88.9
N. line	3.5	89.3
5-50' E. 26th		
N. line	4.6	88.2
Cb	5.0	87.8
1/4	5.3	87.5
C	5.4	87.4
1/4	5.0	87.8
Cb	5.3	87.5
S. line	5.6	87.2

575' E. 26th	R.R.	Elev.
S. line	6.4	86.4
Cb	6.1	86.7
1/4	5.7	87.1
C	5.6	87.2
1/4	5.1	87.7
Cb	4.6	88.2
N. line	4.4	88.4
West line 27th St		
N. line	4.8	88.0
Cb	4.6	88.2
1/4	4.5	88.3
C	5.8	87.0
1/4	4.6	88.2
Cb	4.6	88.2
S. line	5.9	86.9

Childs Feb 21 1905
Lewis Brookes

W. Cb 27th. R.R. Elev.

H.I. 92.36

S. line	5.4	87.0
Cb	4.3	88.1
1/4	4.5	87.9
Finish	4.4	88.0
C	4.6	87.8
Finish	4.7	87.7
1/4	4.7	87.7
Cb.	4.5	87.9
No Line	4.6	87.8

W 1/4 27th

No Line	4.7	87.7
Cb	4.7	87.7
1/4	5.1	87.3
C	5.8	86.6
1/4	4.8	87.6
Cb	4.7	87.7
So Line	57	86.7

Center 27th

92.36

So line	6.3	86.1
Cb	5.4	87.0
1/4	5.3	87.1
C	5.9	86.5
1/4	5.2	87.2
Cb	5.0	87.4
No Line	4.9	87.5

E 1/4 27

No Line	4.9	87.5
Cb	5.0	87.4
1/4	5.2	87.2
C	6.1	86.3
1/4	5.3	87.1
Cb	5.8	86.6
So Line	6.5	85.9

E Cb 27th

No line	92.36	6.6	85.8
Cb		6.2	86.2
¼		5.3	87.1
C		6.2	86.2
¼		5.3	87.1
Cb		5.1	87.3
No line		4.8	87.6

E line 27th

No line		4.8	87.6
Cb		5.4	87.0
¼		5.6	86.8
C		6.3	86.1
¼		5.0	87.4
Cb		6.3	86.1
No line		6.5	85.9

25' E of 27th

No line		6.8	85.6
Cb		6.5	85.9
¼		5.9	86.5
C		6.5	85.9
¼		6.5	85.9
Cb		6.6	85.8
No line		6.4	86.0

50' E 27th

No line		7.5	84.9
Cb		7.4	85.0
¼		7.2	85.2
C		7.0	85.4
¼		7.5	84.9
Cb		7.7	84.7
No line		7.5	84.9

75' E 27th

So line	92.36	8.3	84.1
Cb		8.2	84.2
1/4		8.2	84.2
C		7.2	85.2
1/4		7.9	84.5
Cb		7.9	84.5
No line		7.8	84.6

100' E 27th

No line		7.7	84.7
Cb		8.2	84.2
1/4		8.4	84.0
C		7.5	84.9
1/4		9.1	83.3
Cb		9.2	83.2
So line		9.2	83.2

125' E 27th

So line		9.9	82.5
Cb		9.6	82.8
1/4		9.3	83.1
C		7.9	84.5
1/4		7.9	84.5
Cb		8.0	84.4
No line		7.6	84.8

151.2 E of 27 = W. line 28th - No side

No line		7.8	84.6
Cb		7.9	84.5
1/4		8.0	84.4
C		8.0	84.4
1/4		9.3	83.1
Cb		9.9	82.5
So line		9.8	82.6

1645 E 27th

N-line	92.36	10.1	82.3
Cb		10.0	82.4
1/4		9.3	83.1
C		8.2	84.2
1/4		8.2	84.2
Cb		8.1	84.3

1786 E of 27th

So-line		9.9	82.5
Cb		10.0	82.4
1/4		9.8	82.6
C		8.2	84.2
1/4		8.8	83.6

1927 E 27th

So-line		9.2	83.1
Cb		9.5	82.9
1/4		9.8	82.6
C		9.7	82.7

2068 E 27th

So-line		9.6	82.8
Cb		9.7	82.7
1/4		9.0	83.4

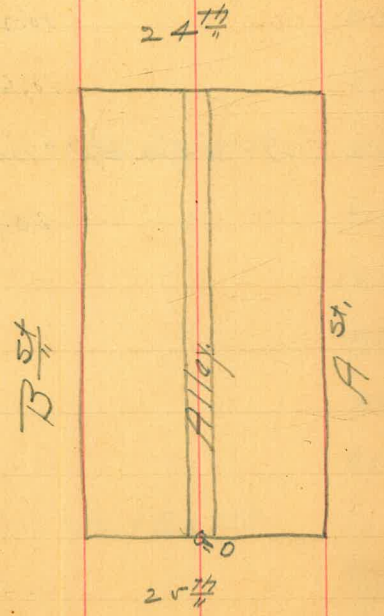
2209 E 27

So-line		10.2	82.2
Cb		10.6	81.8

2342 E 27 = N-line 28th So side

So-line		10.7	81.7

4/10/05 Hutchison
Evans
Scriven



Levels on Alley bet. A. + B. of
from 24 7/11 to 25 7/11

	1,04	204,97		203.93 B.M.
West line of 25 7/11			6,2	198.77
50 West of			7,3	197.67
100 " "			6,5	198.47
	7.82	206,82	5,97	199,00
150			6,3	200.5
200			3,2	203.6
250			2,4	204.4
300			3,3	203,5
350			6.0	200.8
400			8.6	198.2
440			10.2	196.6
450			11,6	195.2
	0,80	195.04	12,58	194,24
500			7.4	187.6
525			9,6	185.4
550			11.6	184.4
590			14,2	180.8
600 (East line of 24 7/11			15.4	179.6
	8.26	185.86	13.74	182.10

Ash Street.

	9.68 28.69		19.01
West Line of Calif		18.2	10.5
Ct " " "		17.0	11.7
East " " "		16.9	11.8
50' East.		15.3	13.4
100		14.4	14.3
150		13.3	15.4
175			
~~175~~ W Line of Artic.		12.8	15.9
Ct. " "		11.4	17.3
East " " "		11.2	17.5
50'		9.9	18.8
100'		8.3	19.4
150		6.7	22.0
200 W Line Arctic		5.2	23.5
Ct " "		3.9	24.8
East " "		2.9	25.8
50' " "		1.9	26.9

Ash Street

100 East of Arctic	28.69	0.6	28.1
	12.59 40.58	0.70	27.99
100'		11.2	29.4
200 W Line of Columbia		9.6	31.0
Ct " "		8.4	31.2
E Line of Columbia		7.8	32.8
50'		7.0	33.6
100		5.8	34.8
150'		4.3	36.3
200 W Line of State		2.7	37.9
Ct of State		1.8	38.8
East Line of State		1.3	39.3
50' East " "		0.9	39.7
100		0.7	39.9
150		0.7	40.4
	13.07 53.31	0.34	40.24
200 W Line of Union		1.1	41.2

Ash

Ct Line of Union	53.31	11.2	42.1
East " " "		10.1	43.2

Union St.

N° Line of Rocks		11.1	42.2
50' N° of Ash		9.6	43.7
100' " " "		8.3	45.0
	9.78 55.59	7.50	45.81
150'		9.1	46.5
200		7.8	47.8
250'		6.4	49.2
300 (S. Line of Beech		5.0	50.6
Ct. " "		4.9	50.7
N° Line of Beech		5.0	50.6
50' N° of "		4.2	51.4
100		3.3	52.3
150		2.0	53.6
	12.78 68.20	0.17	55.47

Union St.

H.1.

200' N° of Beech	68.20	11.8	56.4
250' " " "		8.00	60.2
300 (S. Line Cedar)		4.6	63.6
Ct of Cedar		3.8	64.4
N° Line of "		3.3	64.9
50' N° of "		2.3	65.9
100		1.4	66.8
150		0.4	67.8
	8.98 76.30	0.88	47.32
200'		7.6	68.7
250		6.7	69.6
300 (S. Line of Locust		5.9	70.4
Ct. " " "		5.5	70.8
N° Line of "		5.1	71.2
50' N° of "		4.7	72.1
100 " " "		3.4	72.9
150		2.5	73.8

200' No of Date		76,30	1,6	74.7
250			0,6	75.7
	12,10	87,37	1.03	75.27
So Line of Elm,			10.9	76.5
Ct of "			10.0	77.4
No Line " "			9,2	78.2
50' No of "			7,3	80 1
100			5,5	81.9
150			3,9	83.5
200			1,8	85.6
	12,77	99,57	0,57	86,80
250'			11,0	88.6
300 (So Line of Fir)			8.0	91.6
Ct			6.5	93.1
No Line of Fir.			5,5	94.1
50' No of "			3.9	95.7
100' " " "			1.2	98.4
	12,38	110,73	1,22	98,35

Albatross.

150' No of Fir		110,73	10,4	100.3
200' " " "			8,4	102.3
250			6.3	104.4
300 (So Line of Grape			4,4	106.3
Ct. of Grape			3,8	106.9
No Line of "			3,0	107.7
	12,03	122,01	0,75	109,98
50' No of Grape			11.0	111.0
100'			6.8	115.2
150'			2,2	119.8
	12,14	133,32	0,83	121,18
200			9.3	124.0
250			5,4	127.9
300 (So Line Hawthorn			1.4	131.9
	12,60	145.07	0,85	132,47
Ct Line of Hawthorn,			11.2	133.9
No Line of "			10.3	134 8

Albatross

50' No of Haw.		145,07	7,5	137.6
100'			4,4	140.7
150			1.1	144.0
	12,44	156,96	0,55	144,52
200'			9.9	147.1
250			7.0	150.0
300 Soline of Ivy			4,0	152.0
Ct Line "			2,2	154.8
15' Soof No Line of Ivy.			1,5	155.5
			0,57	156,39

Laurel St.

	1.77	211.36		209.59
Center of Front.			4.5	206.9
W. Line of "			6.7	204.7
50' West "			9.3	202.1
100' " "			10.4	201.0
	0.95	199.98	12.33	199.03
150			3.7	196.3
200 (East Line of Albatross			9.9	190.1
Center Line of "			16.8	183.2

Front Street.

	3.90	213.49		209.57	
Center of Lane			6.6	206.9	
50' No of "			5.9	207.6	
100' No of Center Line of Lane			5.0	208.5	
200' " " " " " "			3.9	209.6	
300' " "			5.4	208.1	
380			4.1	209.4	
400			3.5	210.0	
	6.22	216.41	3.30	210.19	
500			5.2	211.2	
503			4.1	212.3	
6			6.3	210.1	
+35			9.6	206.8	
6+44 Bent 1.			12.7	204.2	203.10
	1.04	205.27	12.18	204.23	
6+63			7.2	198.1	
	0.79	193.66	12.40	192.87	

Front St.

				Ground Elevation	Elevation of Bottom of Trestle.
6+99	B*2	193.66	13.1	180.6	178.75
	1.01	182.57	12.08	181.58	
	0.79	171.00	12.38	170.21	
	0.81	159.33	12.48	158.52	
7+52	B3		11.70	147.7	147.40
	0.18	151.97	12.52	146.79	
7+74			16.6	135.4	
8+03			4.0	148.0	
8+09	B4		2.5	149.5	147.04
8+40			00	152.0	
	1.63	150.75	0.85	151.12	
8+62	B5		1.4	~~153.4~~ 151.4	150.70
8+85			6.0	146.8	
9+19	B6		5.4	147.4	147.35
9+72	B7		5.0	147.8	147.00
9+90			5.5	146.3	
10+29	B8		11.1	141.7	140.65

		152.75			
	0.30	140.81	12.7	140.01	
10+84 B	9.		7.3	133.0	132.3
11			9.8	130.5	
+25			22.0	118.3	
+39	B10		10.3	125.0	132.95
+85			9.4	130.9	
11+94	B11		2.7	137.6	135.60
	12.60	152.59	0.82	139.99	
12+49	B12		4.3	148.3	146.25
	11.47	163.60	0.46	152.13	
	12.79	175.97	0.42	163.18	
13+04	B13		11.8	164.2	156.90
	12.32	187.53	0.76	175.71	
	12.68	199.70	0.51	187.07	
13+59	B14		8.5	191.2	171.75
+75			1.A	198.3	
	12.48	211.87	0.31	199.39	

13+80		211.87	11.0	200.9	
14+00			5.5	206.4	
	12.17	223.61	0.43	211.41	
14+14	B15		9.8	213.8	212.20
+16			7.6	216.0	
+50			2.0	221.6	
	4.61	227.86	0.36	223.25	
16			5.3	222.6	
+50			7.6	220.3	
	0.60	216.31	12.15	215.71	
17+00	Bent.		2.1	214.2	214.6
+20			4.1	212.2	
+35			7.1	209.2	
+55	B16		8.8	207.5	206.25
+60			9.5	206.8	
	0.56	204.70	12.67	203.64	

Front St.

75		204.20	3.7	200.5	
	1.02	193.05	12.17	192.03	
18+10	B3		2.6	190.5	789.90
18+50			9.5	183.6	
	2.05	183.53	12.57	180.48	
18+65	4		0.6	179.9	177.55
75			8.5	175.0	
90			10.0	168.5	
19+05			10.5	168.0	
19+20	B5		8.2	175.3	173.20
	11.92	195.19	0.26	183.27	
	12.18	207.29	0.18	195.01	
19+75	B6		7.5	199.8	198.85
	12.45	219.75	0.49	206.80	
20+10			3.8	215.5	
	10.85	229.00	0.60	218.65	
20+30	B7		4.7	220.8	219.50
50			5.5	223.5	

8th St Street.

from No line at University to So line at Grant

B.M.	4.52	288.79	284.27
	North line Univ Ave.		
East L.		4.8	284.0
—		5.2	283.6
1/4		5.2	283.6
Ct.		5.1	283.7
4		4.8	284.0
—		4.8	284.0
W.L.		4.5	284.3
	25' No. of Univ		
W.L.		4.2	284.6
—		4.8	284.0
4		4.8	284.0
Ct.		5.1	283.7
4		5.8	283.0
E.L.		5.5	283.3

4/19/05 Hutchinson Evans Scriven

50' North

East L.	5.2	283.2
—	4.9	283.9
4	4.9	283.9
Ct.	4.8	284.0
4	4.8	284.0
—	4.6	284.2
W.L.	4.4	284.4
	75' North.	
W.L.	4.3	284.5
—	4.8	284.0
4	5.1	283.7
Ct.	5.0	283.8
4	4.9	283.9
—	5.2	283.6
E.L.	5.2	283.6

100' N of Union ave

	HI		
East L.	288.79	5.2	283.6
—		5.2	283.6
4		5.1	283.7
Ct		4.9	283.9
4		5.0	283.8
—		5.4	283.4
W. L.		4.6	284.2

130' N of Union ave

W. L.	4.7	284.1
—	5.1	283.7
4	5.1	283.7
Ct	4.9	283.9
4	5.3	283.5
—	5.6	283.2
East L	5.7	283.1

8th St.

150' N of

E. L.	5.7	283.1
—	5.4	283.4
4	5.0	283.8
Ct	4.8	284.0
4	5.1	283.7
—	5.3	283.5
W. L.	4.9	283.9

175' N of

W. L.	4.8	284.0
—	5.0	283.8
4	5.2	283.6
Ct	5.1	283.7
4	5.4	283.4
—	5.7	283.1
East L.	5.2	283.6

200' N. of Mine

E L.	288.79	5,1	283.7
–		5,4	283.4
4		5,4	283.4
Ct.		5,1	283.7
4		5,2	283.6
–		5,2	283.6
W L.		4,8	284.0

225' N. of

W L.		4,9	283.9
–		5,2	283.6
4		5,3	283.5
Ct.		5,4	283.4
4		5,0	283.8
–		4,7	284.1
East L		4.6	284.2

200' N. of

East L.		4,7	284.1
–		5,3	283.5
4		5,4	283.4
Ct.		5,3	283.5
4		5,2	283.6
–		5,0	283.8
W L.		4,8	284.0

275' N. of

W L.		4,8	284.0
–		5,0	283.8
4		5,2	283.6
Ct.		5,3	283.5
4		5,1	283.7
–		5,1	283.7
E L.		4.8	284.0

300' mark

East L.		288.79	4.7	284.1
—			4.8	284.0
℄			4.8	284.0
℄			4.9	283.9
℄			5.2	283.6
—			5.1	283.7
W.L.			4.9	283.9
	4.98	288.75	5.02	283.77

325' mark

West L.			4.9	283.9
—			5.0	283.8
℄			5.0	283.8
℄			5.0	283.8
℄			4.7	284.1
—			4.5	284.3
East L.			4.3	284.5

350' mark

East L.		288.75	4.2	284.6
—			4.7	284.1
℄			4.7	284.1
℄			5.0	283.8
℄			5.1	283.7
—			5.0	283.8
W.L.			4.8	284.0

375' mark

W.L.			4.5	284.3
—			4.6	284.2
℄			5.0	283.8
℄			5.0	283.8
℄			4.7	284.1
—			4.5	284.3
East L.			4.2	284.6

400' mark

E.L.	4.0	284.8
—	4.1	284.7
4	4.4	284.4
Cl.	4.7	284.1
4	4.7	284.1
—	4.5	284.3
M.L.	4.4	284.4

425' mark

M.L.	4.4	284.4
—	4.5	284.3
4	4.5	284.3
Cl.	4.5	284.3
4	4.1	284.7
—	3.7	285.1
E.L.	3.6	285.2

450' mark

E.L.	3.5	285.3
—	3.7	285.1
4	3.9	284.9
Cl.	4.2	284.6
4	3.9	284.9
—	4.0	284.8
M.L.	4.2	284.6

475' mark

M.L.	4.2	284.6
—	4.2	284.6
4	3.9	284.9
Cl.	3.9	284.9
4	3.7	285.1
—	3.2	285.6
Ent L.	3.2	285.6

8th Street.

500' Mark

East L.	288.79	3.2	285.6
—		3.4	285.4
4		3.8	285.0
Ct.		3.7	285.1
4		3.5	285.3
—		4.0	284.8
W.L.		3.9	284.9

525' Mark

W.L.		3.8	285.0
—		4.2	284.6
4		3.9	284.9
Ct.		3.8	285.0
4		3.5	285.0
—		3.4	285.4
East L.		3.1	285.7

550' Mark

East L.	288.79	3.2	285.6
—		3.5	285.3
4		3.6	285.2
Ct.		3.6	285.2
4		3.9	284.9
—		3.6	285.2
W.L.		3.8	285.0

(575') So Line of Grant

W.L.		4.0	284.8
—		4.2	284.6
4		3.8	285.0
Ct.		3.8	285.0
4		3.7	285.1
—		3.9	284.9
East L		3.5	285.3
T.P.		3.69	285.10

9th Street

From No Line of University ave to So Line of Grand

3.53 287.78 284.25

No Line of University ave

East L		4.4	283.4
—		4.4	283.4
4		4.7	283.1
Ct.		4.8	284.0
4		4.8	283.0
—		4.7	283.1
W. L.		4.5	283.3

25' No of Univer

West L		3.8	284.0
—		3.8	284.0
4		4.0	283.8
Ct.		4.7	283.1
4		4.4	283.4
—		4.4	283.4
E L.		4.8	283.0

4/19/05

50' No of

East L.		4.8	283.0
—		4.2	283.6
4		4.3	283.5
Ct.		4.1	283.7
4		4.0	283.8
—		4.0	283.8
W L.		3.9	283.9

75' No of

W L		4.1	283.7
—		4.1	283.7
4		4.0	283.8
Ct.		4.0	283.8
4		4.1	283.7
—		4.1	283.7
E L.		4.1	283.7

100' N. of University Ave

E. L.	287.78	3.9	283.9
—		4.0	283.8
4		4.0	283.8
Ct.		4.0	283.8
4		4.0	283.8
—		4.0	283.8
West L		4.0	283.8

130' N. of

W. L.		3.7	284.1
—		3.8	284.0
4		3.7	284.1
Ct.		3.7	284.1
4		3.7	284.1
—		3.8	284.0
East L.		3.9	283.9

150' N. of Univer

E. L.	287.78	3.8		284.0
—		3.6		284.2
4		3.5		284.3
Ct.		3.4		284.4
4		3.5		284.3
—		3.5		284.3
W. L.		3.3		284.5
TP	4.43	288.87	3.84	284.44

175' N. of

W. L.		4.3	284.6
—		4.4	284.5
4		4.5	284.4
Ct.		4.6	284.3
4		4.5	284.4
—		4.6	284.3
E. L.		4.7	284.2

200' North

East L.	28887	4.6	284.3
—		4.6	284.3
4		4.6	284.3
Ct.		4.6	284.3
4		4.5	284.4
—		4.5	284.4
West L.		4.4	284.5

225' North

W. L.		4.2	284.7
—		4.4	284.5
4		4.4	284.5
Ct.		4.5	284.4
4		4.6	284.3
—		4.6	284.3
East Line		4.6	284.3

250' North

East L.		4.7	284.2
—		4.7	284.2
4		4.5	284.4
Ct.		4.5	284.4
4		4.3	284.6
—		4.2	284.7
W. L.		4.1	284.8

275' North

W. L.		4.0	284.9
—		4.1	284.8
4		4.3	284.6
Ct.		4.4	284.5
4		4.6	284.3
—		4.6	284.3
East L.		4.6	284.3

9th Street

300' No. of University

East L.	288.87	4.9	284.0
—		4.9	284.0
⊲		4.6	284.3
Ct.		4.4	284.5
⊲		4.2	284.7
—		4.2	284.7
W. L.		4.0	284.9

325' No. of

W. L.		4.2	284.7
~~Court~~		4.4	284.5
⊲		4.3	284.6
Ct.		4.4	284.5
⊲		4.6	284.3
—		4.8	284.1
East Line		4.9	284.0

350' No. of

East Line		3.6	285.3
—		4.5	284.4
⊲		4.9	284.0
Ct.		4.7	284.2
⊲		4.6	284.3
—		4.5	284.4
W. L.		4.4	284.5

375' No. of

West L.		4.7	284.2
—		4.8	284.1
⊲		4.8	284.1
Ct		4.4	284.5
⊲		4.9	284.0
—		5.4	283.5
East L		5.3	283.6

400' Mast

E.L.	5.7	283.7
—	5.1	283.8
4	4.8	284.1
Ct.	4.8	284.1
4	4.7	284.2
—	4.6	284.3
West L	4.5	284.4

425' Mast

W.L.	4.4	284.5
—	4.3	284.6
4	3.7	285.2
Ct	3.8	285.1
4	5.5	283.4
—	5.5	283.4
East Lm	5.5	283.4

450' Mast

East L.	5.4	284.5
—	5.1	283.8
4	5.1	283.8
Ct.	5.3	283.6
4	5.3	283.6
—	4.9	284.0
W.L.	4.7	284.2

475' Mast

W.L.	4.6	284.3
—	4.7	284.2
4	5.2	283.7
Ct.	5.2	283.7
4	5.6	283.3
—	5.3	283.6
East Lm	5.4	283.5

9th Street

500' North of

East L		5,2	283.7
—		5,0	283.9
4		5,3	283.6
Ct.		5,2	283.7
4		5,2	283.7
—		4,7	284.2
West L		4,4	284.5

525' North of

W.L.		4,5	284.4
—		4,7	284.2
4		5,2	283.7
Ct.		5,3	283.6
4		5,4	283.5
—		5,6	283.3
East L		5,6	283.3

550' North of

East L	288,87	5,8	283.1
—		5,4	283.5
4		5,2	283.7
Ct.		5,2	283.7
4		5,3	283.6
—		5,1	283.8
W.L.		4,7	284.2

(575') to Line of Grant

West L		4,9	284.0
—		5,4	283.5
4		5,2	283.7
Ct.		5,3	283.6
4		5,9	283.0
—		5,8	283.1
East Line		6,3	282.6

North Line of Grant

East L.		6.6	282.3
West Line		5.8	283.1

5th Street
Cross-section for Paving

5/5/05 Hutchison Evans Scriven

H.I.	West Curb		Gutter		5' East of Curb		2' West of Rail		Top of Rail	2' East of Rail		5' West of Curb		Gutter		East Curb	
~~289.67~~			H.I. 289.67														
So Line of Upper	4.7	285.7	5.0	284.7	4.9	284.8	4.4	285.3	4.27	285.4	4.3	285.4	4.2	285.5	4.2	285.7	3.75	285.9
100' Soo of Upper	6.16	283.5	6.4	283.3	6.4	283.3	5.9	283.8			5.9	283.8	5.9	283.8	6.1	283.5		
No Line Thom	7.75	281.9	8.2	281.5	8.1	281.6	7.7	282.0			7.6	282.1	7.6	282.1	7.6	282.1	7.25	282.4
	3.02		H.I. 285.25		7.44		282.23											
Ct. Line of Thom	West Line 3.8	281.5	3.9	281.4	4.0	281.3	3.5	281.8			3.4	281.9	3.4	281.9	3.2	282.1	East Line 2.8	282.5
So Line of Thom	Curb 3.8	281.5	4.2	281.1	4.2	281.1	3.7	281.6	3.54	281.8	3.6	281.7	3.6	281.7	3.6	281.7	Curb 3.33	282.0
100' So of Thom		28[illegible]	5.0	280.3	4.9	280.4	4.4	280.9			4.3	281.0	4.2	281.1	4.0	281.3		
No Line of Spruce	Curb 5.18	280.1	5.6	279.7	5.3	280.0	5.0	280.3	4.87	280.4	4.9	280.4	4.9	280.4	4.6	280.7	Curb 4.30	281.0
Center Line Spruce	West Line 4.9	280.4	5.3	280.0	5.5	279.8	5.0	280.3	~~4.92~~		4.9	280.4	4.9	280.4	4.7	280.6	East Line 4.0	281.3
So Line of Spruce	Curb 5.3	280.0	5.6	279.7	5.5	279.8	5.0	280.3	4.92	280.4	4.9	280.4	4.9	280.4	4.7	280.6	Curb 4.3	281.0
T.P. 100 Soo	2.7	3.2	H.I. 283.90		4.08		281.17											
Spruce			4.7	279.2	4.7	279.2	4.2	279.7			4.0	279.9	4.0	279.9	3.7	280.2		
No Line of Redwood	Curb 4.95	279.0	5.2	278.7	5.0	278.9	4.5	279.4	4.45	279.4	4.4	279.5	4.1	279.8	4.5	279.4	Curb 3.88	280.0 ~~279.0~~
Center Line Redwood	West L. 4.7	279.2	5.2	278.7	5.0	278.9	4.6	279.3			4.5	279.4	4.2	279.7	4.1	279.8	East Line 3.6	280.3
So Line Redwood	Curb 4.9	279.0	5.2	278.7	5.2	278.7	4.7	279.2	4.61	279.3	4.5	279.4	4.3	279.6	4.2	279.7	Curb 3.95	279.9

5th Street,

283.90

		West		Gutter		5' East of C		2' West of Rail		Top of Rail		2' East of Rails		5' East of Curb		Gutter		East.	
	2.58	H.I. 282.47		4.01		279.89													
150' East Redwood				4.4	278.1	4.1	278.4	3.7	278.8			3.6	278.9	3.5	279.0	3.4	279.1		
N° Line of Quince		Curb 4.40	278.1	4.7	277.8	4.6	277.9	4.2	278.3	4.9		4.0	278.5	4.1	278.4	3.9	278.6	Curb 3.46	279.0
Center Line of Quince		Property 4.0	278.5	4.9	277.6	4.7	277.8	4.2	278.3			4.1	278.4	3.9	278.6	3.8	278.7	Property 3.1	279.4
So Line of Quince		Curb 4.53	278.0	5.2	277.3	4.6	277.9	4.1	278.4	4.2	278.4	4.1	278.4	4.1	278.4	3.9	278.4	Curb 3.46	279.0
150' East "				5.8	276.7	5.8	276.7	5.1	277.4			5.0	277.5	4.9	277.6	4.6	277.9		
	2.85	H.I. 279.93		5.39		277.08													
N° Line of Palm		Curb 3.42	276.5	4.1	275.8	3.9	276.0	3.5	276.4	3.37	276.5	3.5	276.4	3.5	276.4	3.4	276.5	Ct 2.95	276.9
Ct " " "		Prop. 3.8	276.1	4.4	275.5	4.2	275.7	3.9	276.0			3.9	276.0	3.8	276.1	3.8	276.1	Property 3.6	276.3
So " " "		Curb 4.43	275.5	5.0	274.9	4.4	275.5	4.4	275.5	4.30	275.6	4.4	275.5	4.4	275.5	4.5	275.4	Ct 3.92	276.0
150' East "				7.2	272.7	7.1	272.8	6.6	273.3			6.6	273.3	6.4	273.5	6.6	273.3		
	1.07	278.98		7.02		277.91													
N° Line of Olive		Curb 7.95	271.0	8.5	270.5	8.3	270.7	7.9	271.1	7.65	271.3	7.6	271.4	7.4	271.6	7.6	271.4	V Curb V.0	272.0
Center Line "		Property 8.8	270.2	8.9	270.1	8.5	270.5	8.1	270.9			8.1	270.9	7.8	271.2	7.7	271.3	Property 7.6	271.4
So Line " "		8.4	270.6	8.0	270.0	8.1	270.4	8.4	270.6	8.25	270.7	8.5	270.5	8.4	270.8	8.0	271.0	Ct 7.52	271.5

279.04
1.86
279.70

	West		Gutter		5' East of Curb		2' West of Rail	
	44.1							
	273.98							
100' So of Elm			6.7	267.3	6.7	267.3	6.2	267.8
N° Line of Nutmeg	9.0	265.0	9.8	264.2	9.6	264.4	9.0	265.0
	0.47	266.23		8.22		265.76		
		Property						
C/L Line of Nutmeg	2.2	264.0	2.4	263.8	2.4	263.8	2.1	264.1
		C6.						
So line " "		3.27 262.9	3.9	262.3	3.5	262.7	3.2	263.0
100' So of "			6.2	260.0	6.1	260.1	5.8	260.4
		C6.						
N° Line of Maple		8.02 258.0	8.4	257.8	8.2	258.0	7.9	258.3
	1.14	259.03		8.34		257.89		
		Property						
Center Line of Maple		1.6 257.4	1.6	257.4	1.5	257.5	1.1	257.9
Se " " "		1.64 257.4	2.0	257.0	1.9	257.1	1.5	257.5
100' So of "			5.9	253.1	5.8	253.2	5.1	253.9
	3.24	253.25		9.17		249.91		
N° Line of Laurel	3.24	250.0	3.6	249.5	3.4	249.9	2.9	250.4
		Curb						
Center " "		4.0 249.3	4.3	249.0	4.1	249.2	3.5	249.8
So Line " "		C6. 4.9 249.1	4.9	248.4	4.6	248.7	4.1	249.1

	Topof Rail		2' East of Rail		5' West of Curb		Gutter		East	
			6.1	267.9	5.9	268.1	5.9	268.1		
	9.0	265.0	9.0	265.0	9.1	264.9	9.1	264.9	8.47	265.5
									Property	
			2.2	264.0	2.4	263.8	2.3	263.9	1.7	264.5
									C6.	
	3.76	263.0	3.1	263.1	3.3	262.9	3.1	263.1	3.76	263.4
			5.5	260.7	5.4	260.8	5.4	260.8		
	7.76									
	7.80	258.4	7.8	258.4	7.9	258.3	7.8	258.4	7.33	258.9
									Property	
			1.0	258.0	1.1	257.9	0.9	258.1	0.4	258.6
									C6.	
	1.32	257.7	1.4	257.6	1.5	257.5	1.3	257.7	0.61	258.4
			5.1	253.9	5.1	253.9	5.1	253.9		
									C6.	
	3.86	250.4	2.9	250.4	2.7	250.6	2.7	250.6	2.38	250.9
									Pr.	
			3.5	249.8	3.5	249.8	3.3	249.8	2.8	250.5
	3.92	249.4	4.0	249.3	4.0	249.3	4.1	249.2	3.36	249.9

5th Street 5/6/05

Hutchison
Evans
Scriver

		West		Gutter		5' East of Curb		2' West of Rail		Top of Rail		2' East of Rail		5' West of Curb		Gutter		East	
		253.29																	
150' Soof Laurel				8.7	244.6	8.5	244.8	8.0	245.0			7.9	245.4	7.9	245.4	7.9	245.4		
Mo Line of Kalmia				12.4	240.9	12.1	241.2	12.0	241.3	11.91	241.4	11.4	241.9	11.7	241.6	11.7	241.6		
T.P.	12.85	H.I. 243.60				230.75													
Ct Line of Kalmia		Property 3.4	240.2	3.6	240.0	3.0	240.6	2.6	240.0			2.7	240.9	2.4	241.2	2.7	240.9	Property 1.2	242.4
So Line " "		Cb. 2.65	240.9	3.4	240.2	3.5	240.1	3.5	240.1	3.34	240.3	3.6	240.0	4.0	239.6	4.4	239.2	Cb 3.7	239.9
	1.21	236.71		8.10		235.50													
150' So of Kalmia		~~2.4~~		2.4	234.3	1.8	234.9	1.6	235.1			1.5	235.2	1.7	235.0	1.6	235.1	Curb	
Mo Line of Juniper		Curb 6.72	230.0	7.3	229.4	7.4	229.3	7.0	229.7	6.78	229.9	6.8	229.9	6.9	229.8	7.4	229.3	6.76	229.9
Center Line of "		Property 6.9	229.8	8.3	228.4	8.3	228.4	8.0	228.7			7.8	228.9	7.9	228.8	8.4	228.3	Prop 7.0	229.7
So " " "		8.74	228.0	9.4	227.3	9.4	227.3	9.1	227.6	8.90	227.8	9.0	227.7	9.1	227.6	9.6	227.1	Curb 8.62	228.1
	0.95	H.I. 224.92		12.74		223.97													
150' Soof Juniper				4.0	220.9	3.7	221.2	3.6	221.3			3.6	221.3	3.4	221.5	3.7	221.2		
Mo Line of Ivy		Curb 9.95	214.9	10.6	214.3	10.3	214.6	9.8	215.1	9.91	215.0	9.8	215.1	9.8	215.1	10.5	114.4	Curb 9.96	114.9
Center " " "		Property 10.1	214.8	11.4	213.5	11.2	213.7	11.0	213.9			11.0	213.9	10.9	214.0	11.2	213.7	Prop 9.5	215.4
So Line of Ivy		11.97	212.9	13.0	111.9	12.3	212.6	12.2	212.7	12.14	212.8	12.1	212.8	12.2	212.7	12.9	2120	11.96	212.9
	2.02	214.26		12.68		212.24													

	W/est. H.I.	Gutter	5' East of Curb	2' West of Rail	Top of Rail	2' East of Rail.	5' West of curb	Gutter	East.
	214.26								
150' So of Dry	9.8 204.5	9.0	205.3	8.6	205.7	8.7	205.6	9.0	205.3	9.5	204.8	
0.07	201.94	12.39	201.87									
	Cut.											Cut.
N° Line of Hawthorn	3.35 198.5	4.3 197.6	3.4	198.5	3.3 198.6	3.26 198.6	3.4 198.5	3.3	198.5	4.2	197.7	3.42 198.5
	Prop.											Proposed
Center " "	5.7 196.2	5.8 196.1	5.2	196.7	4.9 197.0		4.8 197.1	5.2	196.2	5.4	196.5	4.5 197.4
												Cut.
So " " "	6.00 195.9	6.9 195.0	6.6	195.3	6.1 195.8	6.04 195.9	6.0 195.0	5.9	196.0	6.4	195.5	6.0 195.9
0.74	190.52	12.16	189.78									
150' So of Hawthorn		4.0 186.5	2.7	186.8	3.4 187.1		3.4 187.1	3.5	187.0	4.0	186.0	
	Cut											Cut
N° Line Graphel	12.0 178.5	12.3 178.2	12.0	178.5	11.9 178.6	12.05 178.6	11.9 178.6	12.0	178.5	12.7	177.8	12.08 178.4
0.51	178.37	12.66	177.86									
	Prop.											Prop.
Center Line of Graphel	0.4 178.0	1.3 177.1	1.1	177.3	0.9 177.5		1.0 177.4	1.0	177.4	1.7	176.7	1.0 177.4
	Cut											Cut
So " " "	1.88 176.5	2.6 175.8	3.0	175.4	2.1 176.3	2.0 176.2	2.0 176.4	2.2	176.2	2.9	175.5	1.97 176.4
150' So of "		11.9 166.5	11.6	166.8	11.2 167.2		11.1 167.3	11.1	167.3	11.8	166.6	
0.24	165.77	14.84	165.53									
	Cut											Cut
N° Line of Fir.	7.70 158.1	7.8 158.0	7.6	158.2	7.4 158.4	7.30 158.5	7.3 158.5	7.7	158.1	7.9	157.9	7.67 158.1
	Proposed											Proposed
Center " " "	8.6 157.2	8.9 156.9	8.6	157.2	8.4 157.4		8.4 157.4	8.8	157.0	9.0	156.8	8.4 157.4
	Cut.											Cut.
So " " "	9.43 156.4	10.0 155.8	9.4	156.4	9.4 156.4	9.45 156.3	9.4 156.4	9.8	156.0	10.1	155.7	9.38 156.4

	West.	Gutter	5' East of Curb	2' West of Rail.	Top of Rail.	2' East of Rail.	5' West of Curb	Gutter	East.	
	165.77									
1.02	154.66	12.13	153.64							
150' So of Fir.		6.8 147.9	5.8 148.9	5.5 149.2		5.7 149.0	5.7 149.0	6.0 148.7		
M° Line of Elm.	Curb 12.75 141.7	13.1 141.6	12.8 141.9	12.3 142.4	12.2 142.4	12.4 142.3	12.9 141.6	13.3 141.4	Curb 12.7	14 2.0
3.28	145.08	12.86	141.80							
Center Line of Elm	Property 3.9 141.2	4.2 140.9	4.4 140.7	3.5 141.6		3.5 141.6	3.9 141.2	4.6 140.5	Property 3.7	141.4
So Line " "	Curb 4.69 140.4	5.4 139.7	4.8 140.3	4.5 140.6	4.5 140.3	4.7 140.4	4.8 140.3	5.6 139.5	Curb 4.68	140.4
150' South "		9.8 135.3	9.7 135.4	9.5 135.6		9.4 135.7	9.4 135.7	10.2 134.9		
2.27	135.79	11.56	133.52							
M° Line of Date	4.80 131.0	4.9 130.9	4.9 130.9	4.6 131.2	4.4 131.2	4.5 131.2	4.7 131.1	4.9 130.9	Curb 4.65	131.1
Center " " "	Prop. 5.1 130.7	5.6 130.2	5.6 130.2	5.4 130.4		5.7 130.6	5.7 130.1	5.7 130.1	P 5.0	130.8
So " " "	Curb 5.47 130.3	6.3 129.5	6.6 129.2	5.9 129.9	5.92 129.9	6.1 129.7	6.4 129.4	6.3 129.5	C 5.85	130.2
1.36	176.90	10.25	125.54							
150' East Date.		7.9 124.0	7.7 124.2	7.7 124.2		7.9 124.0	8.1 123.8	8.5 123.4		
M° Line of Cedar.	8.40 118.5	9.4 117.5	8.7 118.2	8.5 118.4	8.42 118.5	8.4 118.5	8.6 118.3	9.4 117.5	Curb 8.40	118.5
Center " " "	Prop. 9.9 117.0	10.3 116.6	10.0 116.9	9.6 117.3		9.7 117.2	9.9 117.0	9.9 117.0	P.C.P. 9.7	117.7
So Line " "	C 10.90 116.0	11.8 115.1	11.3 115.6	11.2 115.7	10.96 115.9	11.0 115.9	11.0 115.9	11.6 115.3	C 10.95	115.9

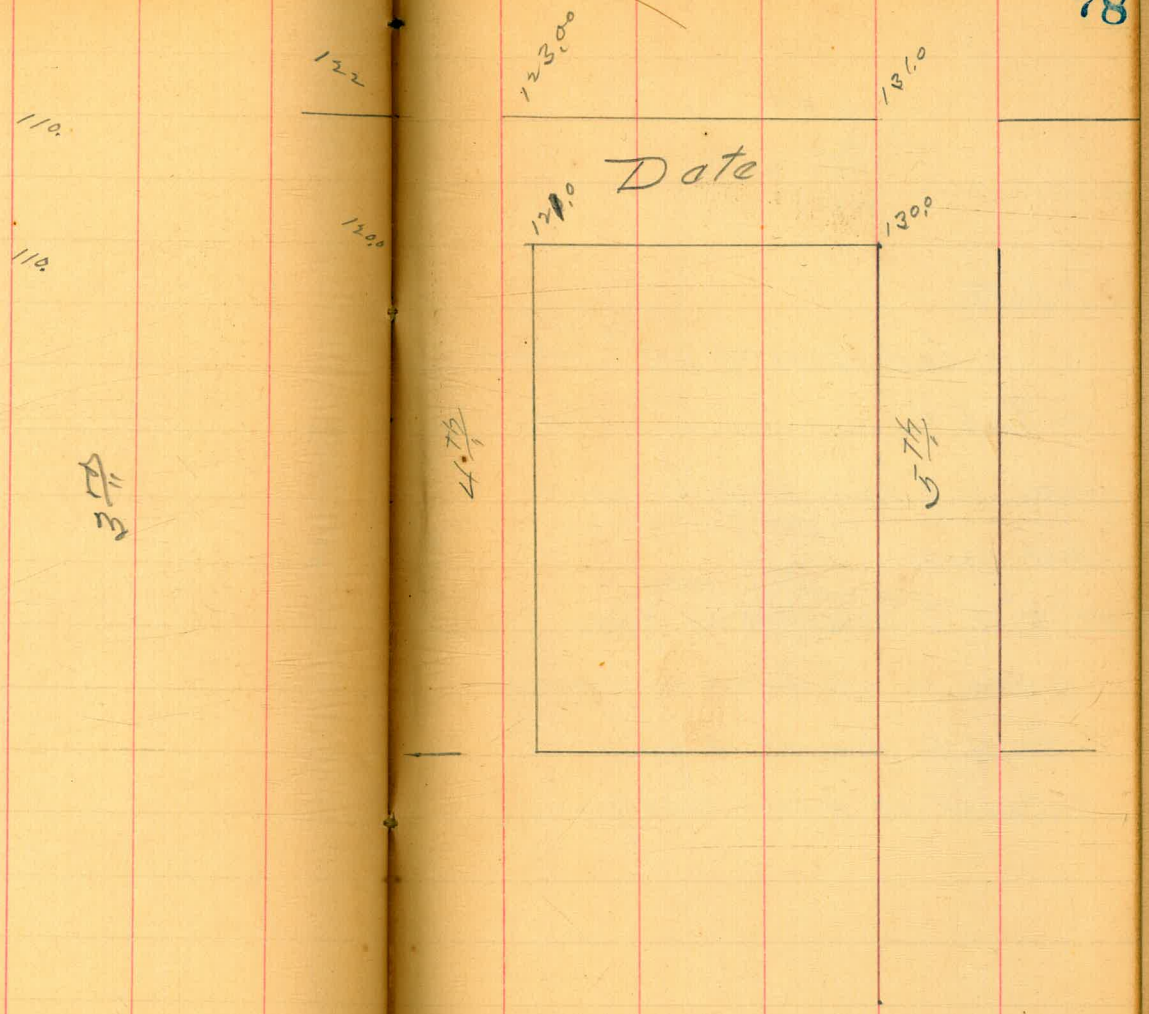
5th Street

		West		Gutter		5' East of Curb		2' West of Rail		Top of Rail		2' East of Rail		5' West of Curb		Gutter		East	
		12690																	
	0.37	114.95		12.32		114.58													
150' So of Cedar				8.6	106.4	8.1	106.9	7.8	107.2			7.8	107.2	8.2	106.6	8.2	106.6		
T.P.	0.30	103.20		12.05		102.90													
		Ca																Curb	
N° Line of Beech		6.75	98.0	6.5	97.7	5.8	97.6	4.8	98.4	4.72	98.5	4.7	98.5	4.7	98.5	5.5	97.7	4.74	98.5
		T.P.																	
Center " " "		6.2	97.0	6.8	96.4	6.4	96.8	6.0	97.0			5.7	97.3	6.0	97.2	6.1	97.1	5.7	97.5
So Line of Beech		7.24	96.0	8.4	94.8	7.6	95.6	7.1	96.1	6.96	96.0	7.1	96.1	7.1	96.1	7.8	95.4	6.77	96.4
	1.42	92.42		12.20		91.00													
100' So of Beech				5.3	87.1	4.9	87.5	4.6	87.8			4.4	88.0	4.5	87.9	4.8	87.6		
	7.04	85.38		11.74		82.06													
		Curb																Curb	
N° Line of Ash.		3.24	79.5	4.1	78.6	3.5	79.2	2.8	79.9	2.1	80.1	2.7	80.0	2.5	80.4	2.9	79.8	2.26	
		P																P	
Center Line " "		4.7	78.0	5.2	77.5	4.9	77.8	4.2	78.5			4.0	78.7	4.1	78.6	4.3	78.4	3.2	79.5
		C																	
So Line of Ash.		5.76	76.9	6.3	76.4	6.1	76.6	5.4	77.3	5.39	77.4	5.3	77.4	5.4	77.3	5.7	77.0	4.89	77.8
	7.03	75.33		9.42		73.30													
150' East Ash.				8.3	74.0	8.0	73.3	7.9	73.4			7.8	72.5	8.6	72.7	8.4	72.9		
		C																C	
N° Line of A		7.5	67.8	8.4	66.9	7.8	67.5	7.6	67.7	7.52	67.8	7.5	67.8	7.6	67.7	8.2	67.1	7.57	67.7
		B.																P	
Center Line of "		9.0	66.3	9.1	66.2	9.8	66.5	8.6	66.7			8.6	66.7	8.7	66.6	9.3	66.0	8.1	67.2

5th Street,

So Line of "A"

		H.I. 75,33		
East Curb			9,62	65,7
Gutter			10,4	64,8
5' West of Cb.			10,2	65,1
2' East of R			9,8	65,5
Top of Rail			9,76	65,5
2' West of R			9,8	65,5
5' East of Curb			10,0	65,3
Gutter			10,2	65,1
West Curb			9,66	65,6
	3.08	68.22	10.19	65,14
			7,28	60.94


122
110.
110.
120.0
123.00
131.0
Date
121.0
130.0
4.75
5.75

113) 1,000 (9.
1017

5.05
.45
4.60

203.93 B.M.
3.12
207.05

Note.

East Side of 25th Street

on Park Line Sidewalk is 0.5 above grade

gutter is filled up to 0.3 above

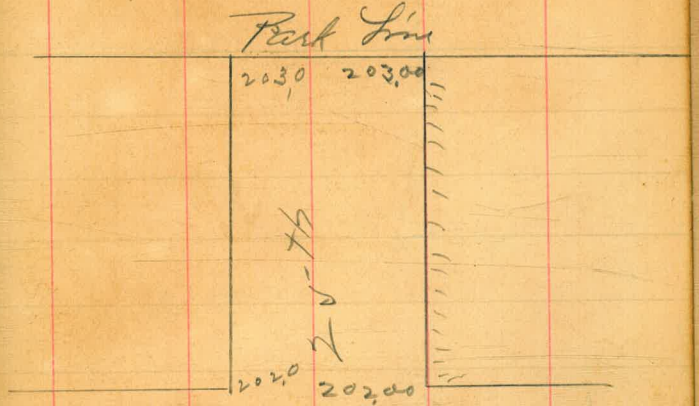
curb grade

50' M° of A. Sidewalk is grade

gutter is 0.5 below curb grade

No Line of A. Sidewalk is grade

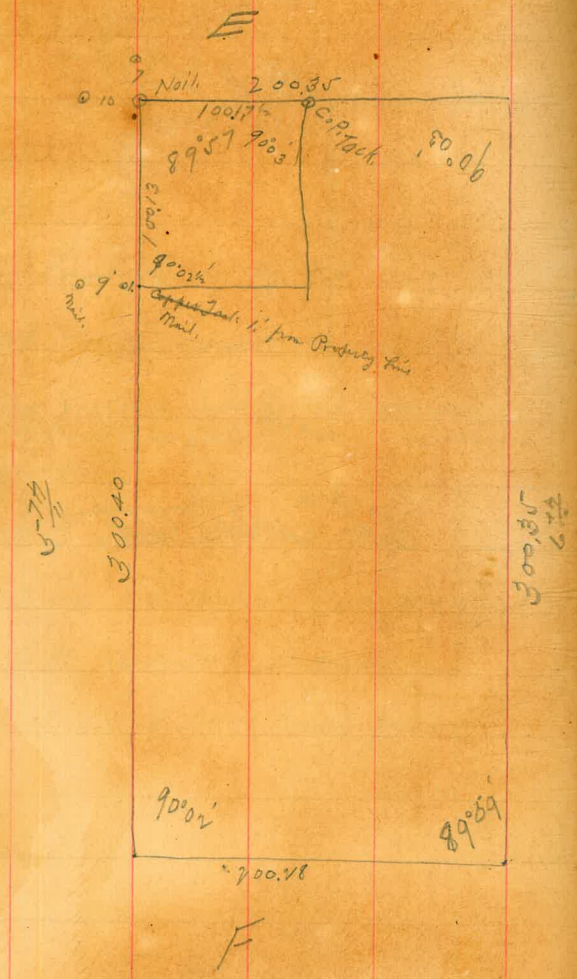
gutter is 0.3 below curb grade



"A" Street.

4/19/05 Hutchison
Trans
Serven

3) 4/13



207,27

203

Return to City Engineers Office
City Hall, San Diego, Cal.

Return to City Engineers Office
City Hall, San Diego, Cal.

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19 51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24 62	96.81	25 04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28 40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38 67	67
23	92.05	39.07	91.88	39 47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89 69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60 53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

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