Cross-Section of 23rd St.
from "B" to the North line Shoreham
Addition. Page 1 to 22 inclusive.

Cross-Section of 15th St.
from No. line of "D" to So. line of
"G" Street. Page 23 to 26 inclusive

Cross-Section of Thornton
Ave, from West line 7th St, to
East line 1st. St.
Page 28 to 49

Levels on Cedar St, from East
side 10th St, to City Park line.
Page 50 to 51

LEVEL

Cross-Section of 22nd St
" " " 17th "

F.B. 116

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	2⅓	21	49	41	95⅔
2	4⅔	22	51⅓	42	98
3	7	23	53⅔	43	100⅓
4	9⅓	24	56	44	102⅔
5	11⅔	25	58⅓	45	105
6	14	26	60⅔	46	107⅓
7	16⅓	27	63	47	109⅔
8	18⅔	28	65⅓	48	112
9	21	29	67⅔	49	114⅓
10	23⅓	30	70	50	116⅔
11	25⅔	31	72⅓	51	119
12	28	32	74⅔	52	121⅓
13	30⅓	33	77	53	123⅔
14	32⅔	34	79⅓	54	126
15	35	35	81⅔	55	128⅓
16	37⅓	36	84	56	130⅓
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	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
°		°		°		°	
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

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date.

Levels over Center of 11st from N to Main Str 52.0

Cross Section of Inters. of Main & 26th Str 53.55

Cross Section of 24 G to H 56-59

Kalmia 5-4 60-62

22nd Str 63-65

17th " D 66

2/28/03 { Rumsey, Davis, Lambert } Cross-section of 23rd St., from B St to the North line of Sherman's add.

1

23rd & D B.M.	11.06		171.16	160.10	
		So. line B St.			
E. Gutta		6.4			164.8
1/4		6.4			164.8
Center		6.5			164.7
1/4		6.5			164.7
Curb		6.8			164.4
W. line 23rd		7.0			164.2
		25' South of B.			
W. line 23rd		6.8			164.4
Curb		6.4			164.8
1/4		6.6			164.6
Center		6.5			164.7
1/4		6.7			164.5
E. Gutta		6.6			164.6
		50' South of B.			
E. line		Perp { 6.0 / 2.1			165.2 / 169.1

Curb	Perp { 6.5 / 3.0		164.7 / 168.2
1/4	Perp. { 6.4 / 4.4		164.8 / 166.8
Center	6.5		164.7
1/4	6.6		164.6
Curb	6.6		164.6
W. line	6.4		164.8
	75' South of B		
W. line	6.5		164.7
Curb	6.7		164.5
1/4	6.8		164.4
Center	5.6		165.6
1/4	3.6		167.6
Curb	2.0		169.2
E. line	1.0		170.2
	100' South of B		
E. line	1.6		169.6
Curb	2.3		168.9

1/4	5.6	167.6
Centre	6.0	165.2
1/4	6.8	164.4
Curb	7.0	164.2
W. line	6.8	164.4
	125' South of B	
W. line	7.1	164.1
Curb	7.2	164.0
1/4	6.8	164.4
Centre	6.1	165.1
1/4	4.0	167.2
Curb	2.5	168.7
E. line	2.1	169.1
	150' South of B	
E. line	2.6	168.6
Curb	3.8	167.4
1/4	4.6	166.6
Centre	6.5	164.7

1/4	7.3	163.9
Curb	7.6	163.6
W. line	7.6	163.6
	175' South of B	
W. line	7.8	163.4
Curb	7.8	163.4
1/4	7.5	163.7
Centre	6.9	164.3
1/4	5.6	165.6
Curb	5.1	166.1
3'	4.6	166.6
E. line	2.8	168.4
	200' South of B	
E. line	5.7	165.5
Curb	6.6	164.6
1/4	6.8	164.4
Centre	7.2	164.0
1/4	7.9	163.3

Curb		8.1			163.1
W. line		8.1			163.1
		225' South of B			
W. line		7.8			163.4
Curb		8.1			163.1
1/4		8.0			163.2
Center		7.6			163.6
1/4		7.3			163.9
Curb		6.9			164.3
E. line		6.3			164.9
		250' South of B			
E. line		6.6			164.6
Curb		6.9			164.3
1/4		7.3			163.9
Center		7.7			163.5
1/4		8.0			163.2
Curb		8.4			162.8
W. line		7.8			163.4

		275' South of B			
W. line		7.9			163.3
Curb		8.1			163.1
1/4		8.1			163.1
Center		7.8			163.4
1/4		7.3			163.9
Curb		7.1			164.1
E. line		6.8			164.4
T. P.	3.41	7.48	167.09	163.68	
		North line of C			
E. line		2.7			164.4
Curb		3.1			164.0
1/4		3.2			163.9
Center		3.5			163.6
1/4		4.0			163.1
Curb	Perp	4.4 4.1			162.7 163.0
		Curb, No. side of C			
W. line	Perp	4.6 4.1			162.5 163.0
Curb		4.5			162.6

1/4	4.4	162.7
Curb	3.8	163.3
1/4	3.9	163.2
Curb	3.8	163.3
E. line	3.2	163.9
	Curb, No. side of C	
E. line	2.5	164.6
Curb	3.0	164.1
1/4	3.4	163.7
Center	3.7	163.4
1/4	3.8	163.3
Curb	3.8	163.3
W. line	4.5	162.6
	Center of C	
W. line	4.5	162.6
Curb	3.8	163.3
1/4	3.7	163.4
Center	3.6	163.5

1/4	3.4	163.7
Curb	3.2	163.9
E. line	2.7	164.4
	1/4, So. side of C	
E. line	3.0	164.1
Curb	3.3	163.8
1/4	3.4	163.7
Center	3.5	163.6
1/4	3.8	163.3
Curb	3.9	163.2
W. line	4.6	162.5
	Curb, So. side of C	
W. line	4.7	162.4
Curb	4.5	162.6
1/4	4.3	162.8
Center	3.9	163.2
1/4	3.8	163.3
Curb	3.6	163.5

E. line	3.4	163.7
	South line of ℄	
E. line	2.7	164.4
Curb	3.1	164.0
1/4	3.6	163.5
Center	3.5	163.6
1/4	4.2	162.9
Curb	4.0	163.1
W. line	3.8	163.3
	25' South of ℄	
W. line	4.4	162.7
Curb	4.3	162.8
1/4	4.2	162.9
Center	4.1	163.0
1/4	4.2	162.9
Curb	3.6	163.5
5'	Perp. 2.9	164.2
	2.3	164.8
E. line	1.5	165.6

	50' South of ℄	
E. line	1.4	165.7
5'	Perp. 1.9	165.2
	3.2	163.9
Curb	4.1	163.0
1/4	4.4	162.7
Center	4.3	162.8
1/4	4.4	162.7
Curb	4.7	162.4
W. line	5.1	162.0
	75' South of ℄	
W. line	4.8	162.3
Curb	4.7	162.4
1/4	4.6	162.5
Center	4.6	162.5
1/4	4.7	162.4
Curb	4.0	163.1
5'	Perp. 3.4	163.7
	2.4	164.7
E. line	1.2	165.9

100' South of ℄

E. line		1.4	165.7
5'	Perp.	2.1	165.0
		3.6	163.5
Curb		4.3	162.8
1/4		5.0	162.1
Center		4.9	162.2
1/4		4.8	162.3
Curb		4.7	162.4
W. line		4.8	162.3

125' South of ℄

W. line		5.0	162.1
Curb		5.0	162.1
1/4		4.9	162.2
Center		4.6	162.5
1/4		4.9	162.2
Curb		4.2	162.9
3'	Perp.	3.3	163.8
		1.3	165.8
E. line		0.6	166.5

150' South of ℄

E. line		0.0	167.1
1'		0.3	166.8
		3.2	163.9
Curb		4.5	162.6
1/4		5.1	162.0
Center		5.4	161.7
1/4		5.7	161.4
Curb		5.1	162.0
W. line		5.4	161.7

175' South of ℄

W. line		4.8	162.3
Curb		5.8	161.3
1/4		5.7	161.4
Center		4.9	162.2
1/4		5.0	162.1
Curb		5.1	162.0
5'		5.1	162.0
E. line		0.3	166.8

200' South of ℄

℄ line	0.2	166.9
↓ 5'	4.8	162.3
Curb	4.4	162.7
1/4	5.3	161.8
Center	5.6	161.5
1/4	5.5	161.6
Curb	5.9	161.2
N. line	5.3	161.8

225' South of ℄

N. line	5.2	161.9
Curb	5.9	161.2
1/4	5.5	161.6
Center	5.3	161.8
1/4	5.2	161.9
Curb	5.1	162.0
↑ 3'	4.4	162.7
℄ line	2.3	164.8

250' South of ℄

℄ line	2.5	164.6
Curb	5.1	162.0
1/4	5.3	161.8
Center	5.6	161.5
1/4	5.8	161.3
Curb	6.5	160.6
N. line	5.4	161.7

275' South of ℄

N. line	5.5	161.6
↓ 7'	6.0	161.1
Curb	6.8	160.3
1/4	6.7	160.4
Center	6.4	160.7
1/4	5.7	161.4
Curb	5.1	162.0
↑ 5'	4.4	162.7
℄ line	1.0	166.1

North line of D

E. line	1.2 / 5.3	165.9 / 161.8
6'	5.6	161.5
Curb	6.1	161.0
1/4	6.1	161.0
Center	6.9	160.2
1/4	7.2	159.9
Curb	7.1	160.0
W. line	6.9	160.2

Curb, No. Side of D

W. line	7.7 / 7.0	159.4 / 160.1
Curb	7.6	159.5
1/4	7.4	159.7
Center	7.4	159.7
1/4	7.0	160.1
Curb	7.1	160.0
E. line	6.8 / 6.0	160.3 / 161.1

1/4, No. Side of D

E. line	5.8	161.3
Curb	6.1	161.0
1/4	6.3	160.8
Center	6.6	160.5
1/4	6.8	160.3
Curb	6.7	160.4
W. line	7.4	159.7

Center of D

W. line	7.1	160.0
Curb	7.0	160.1
1/4	6.7	160.4
Center	6.5	160.6
1/4	6.3	160.8
Curb	6.0	161.1
E. line	5.7	161.4

1/4, So. Side of D

E. line	5.7	161.4
Curb	6.2	160.9
1/4	6.4	160.7

Center		6.7			160.4
1/4		6.8			160.3
Curb		7.0			160.1
W. line		7.4			159.7
	Curb, So. Side of D				
W. line		7.8 7.1			159.3 160.0
Curb		7.4			159.7
1/4		7.3			159.8
Center		7.0			160.1
1/4		6.8			160.3
Curb		6.5			160.6
E. line		6.4			160.7
	South line of D				
E. line		5.1			162.0
Curb		5.6			161.5
1/4		5.8			161.3
Center		5.4			161.7
1/4		5.9			161.2

Curb		6.4			160.7
W. line		6.7			160.4
23rd & D B. M.	4.45	7.00	164.55	(160.10) 160.09	
	25' South of D				
W. line		4.0			160.6
Curb		3.7			160.9
1/4		3.5			161.1
Center		3.3			161.3
1/4		3.4			161.2
Curb		2.9			161.7
E. line		1.2			163.4
	50' South of D				
E. line		0.9			163.7
Curb		3.5			161.1
1/4		3.6			161.0
Center		3.9			160.7
1/4		4.3			160.3
Curb		4.8			159.8

W. line	4.9	159.7
75' South of D		
W. line	5.9	158.7
Curb	5.4	159.2
1/4	5.0	159.6
Center	4.5	160.1
1/4	4.6	160.0
Curb	4.1	160.5
E. line	1.5	163.1
100' South of D		
E. line	2.7	161.9
Curb	4.8	159.8
1/4	5.5	159.1
Center	5.6	159.0
1/4	6.1	158.5
Curb	6.5	158.1
W. line	6.8	157.8

125' South of D		
W. line	7.4	157.2
Curb	7.2	157.4
1/4	6.6	158.0
Center	5.9	158.7
1/4	5.9	158.7
Curb	5.5	159.1
E. line	3.7	160.9
150' South of D		
E. line	4.8	159.8
Curb	5.8	158.8
1/4	6.4	158.2
Center	6.5	158.1
1/4	6.7	157.9
Curb	7.3	157.3
W. line	8.2	156.4
175' South of D		
W. line	8.9	155.7
Curb	8.2	156.4

1/4	7.3	157.3
Centr	7.2	157.4
1/4	6.9	157.7
Curb	6.2	158.4
E. line	5.6	159.0
200' South of D		
E. line	7.1	157.5
Curb	7.1	157.5
1/4	7.5	157.1
Centr	7.6	157.0
1/4	8.2	156.4
Curb	8.7	155.9
W. line	9.8	154.8
225' South of D		
10'	12.7	151.9
W. line	11.2	153.4
Curb	9.9	154.7
1/4	9.6	155.0

Centr	9.0	155.6
1/4	9.3	155.3
Curb	8.8	155.8
E. line	8.4	156.2
250' South of D		
7'	10.0	154.6
E. line	11.0	153.6
Curb	11.2	153.4
1/4	11.5	153.1
Centr	11.0	153.6
1/4	12.1	152.5
Curb	12.6	152.0
W. line	13.4	151.2
10'	14.7	149.9
275' South of D		
10'	15.2	148.4
W. line	14.4	150.0
Curb	13.4	151.2

1/4	12.3	152.8
Center	10.8	153.8
1/4	11.0	153.6
Curb	9.9	154.7
E. line	8.4	156.4
North line of E		
E. line	6.2	158.4
Curb	7.2	157.4
1/4	7.9	156.7
Center	8.8	155.8
1/4	9.3	155.3
Curb	8.9	155.7
W. line	10.1	154.5
Curb, No. line of E		
W. line	7.8	156.8
Curb	8.2	156.4
1/4	7.9	156.7
Center	7.8	156.8

1/4	7.3	157.3
Curb	6.7	157.9
E. line	5.5	159.1
1/4, No. side of E		
E. line	4.7	159.9
Curb	5.6	159.0
1/4	6.7	157.9
Center	7.3	157.3
1/4	7.5	157.1
Curb	7.6	157.0
W. line	8.0	156.6
Center of E		
W. line	8.2	156.4
Curb	7.4	157.2
1/4	7.1	157.5
Center	6.9	157.7
1/4	6.1	158.5
Curb	5.0	159.6

E. line		4.2			160.4
	1/4, So. Side of E				
E. line		3.7			160.9
Curb		5.4			159.2
1/4		5.3			159.3
Center		6.3			158.3
1/4		6.8			157.8
Curb		7.4			157.2
W. line		7.7			156.9
	Curb, So. Side of E.				
W. line		7.2			157.4
Curb		6.6			158.0
1/4		5.7			158.9
Center		5.2			159.4
1/4		4.5			160.1
Curb		3.9			160.7
E. line		3.3			161.3
T. P.	5.55	6.15	163.95	158.40	

	South line of E				
W. line		7.2			156.7
Curb		5.7			158.2
1/4		4.8			159.1
Center		4.1			159.8
1/4		3.7			160.2
Curb		2.6			161.3
E. line		1.7			162.2
	25' South of E				
E. line		1.2			162.7
Curb		1.8			162.1
1/4		2.4			161.5
Center		3.2			160.7
1/4		3.4			160.5
Curb		4.5			159.4
W. line		5.3			158.6
	50 South of E.				
W. line		4.7			159.2
Curb		3.7			160.2

1/4	3.2	160.7
Center	2.8	161.1
1/4	2.1	161.8
Curb	1.5	162.4
E. line	1.1	162.8
	75' South of E	
E. line	0.9	163.0
Curb	1.5	162.4
1/4	2.1	161.8
Center	2.6	161.3
1/4	3.1	160.8
Curb	3.6	160.3
W. line	4.7	159.2
	100' South of E	
W. line	4.2	159.7
Curb	3.8	160.1
1/4	3.4	160.5
Center	2.9	161.0

1/4	2.4	161.5
Curb	1.8	162.1
E. line	1.4	162.5
	125' South of E	
E. line	1.8	162.1
Curb	2.2	161.7
1/4	3.0	160.9
Center	3.5	160.4
1/4	3.8	160.1
Curb	4.0	159.9
W. line	4.6	159.3
	150' South of E	
W. line	4.7	159.2
Curb	4.4	159.5
1/4	3.9	160.0
Center	3.4	160.5
1/4	2.9	161.0
Curb	2.6	161.3

E. line	3.3	161.6
175' South of E		
E. line	3.8	161.1
Curb	3.3	160.6
1/4	3.5	160.4
Center	3.9	160.0
1/4	4.1	159.8
Curb	4.8	159.1
W. line	4.9	159.0
200' South of E		
W. line	5.1	158.8
Curb	4.7	159.2
1/4	4.5	159.4
Center	4.1	159.8
1/4	3.9	160.0
Curb	3.4	160.5
E. line	3.1	160.8

225' South of E		
E. line	3.7	160.2
Curb	4.3	159.6
1/4	4.8	159.1
Center	4.9	159.0
1/4	4.9	159.0
Curb	5.0	158.9
W. line	5.6	158.3
250' South of E		
W. line	6.1	157.8
Curb	5.5	158.4
1/4	5.5	158.4
Center	5.3	158.6
1/4	4.9	159.0
Curb	4.8	159.1
E. line	4.3	159.6
275' South of E		
E. line	5.7	158.2
Curb	6.0	157.9

1/4		5.8		158.1
Center		6.0		157.9
1/4		6.3		157.6
Curb		6.3		157.6
W. line		6.7		157.2
	North line of F			
W. line		7.6		156.3
Curb		7.4		156.5
1/4		7.5		156.4
Center		7.0		156.9
1/4		7.1		156.8
Curb		6.7		157.2
E. line		6.8		156.1
	South line of F			
E. line		10.4		153.5
Curb		10.5		153.4
1/4		10.5		153.4
Center		10.4		153.5

1/4		10.4		153.5
Curb		10.6		153.3
W. line		10.8		153.1
	25' South of F			
W. line		11.9		152.0
Curb		11.9		152.0
1/4		12.0		151.9
Center		11.7		152.2
1/4		11.4		152.5
Curb		11.6		152.3
E. line		12.2		151.7
T.P.	1.50	12.81	152.64	151.14
	50' South of F			
E. line		2.4		150.2
Curb		2.2		150.4
1/4		2.2		150.4
Center		2.1		150.5
1/4		2.4		150.2

Curb	2.4	150.2
W. line	2.3	150.3
75' South of F		
W. line	3.9	148.7
Curb	3.9	148.7
1/4	3.9	148.7
Center	3.3	149.3
1/4	3.6	149.0
Curb	3.5	149.1
E. line	3.4	149.2
100' South of F		
E. line	4.7	148.4
Curb	4.3	148.3
1/4	4.3	148.3
Center	4.5	148.1
1/4	5.0	147.6
Curb	5.0	147.6
W. line	4.6	148.0

125' South of F		
W. line	5.9	146.7
Curb	5.8	146.8
1/4	5.6	147.0
Center	5.1	147.5
1/4	5.1	147.5
Curb	5.2	147.4
E. line	5.1	147.5
150' South of F		
E. line	6.5	146.1
Curb	6.7	145.9
1/4	6.7	145.9
Center	6.4	146.2
1/4	6.5	146.1
Curb	6.4	146.2
W. line	6.7	145.9
175' South of F		
W. line	7.7	144.9
Curb	7.4	145.2

1/4	7.3	145.3
Center	7.1	145.5
1/4	7.1	145.5
Curb	7.4	145.2
E. line	7.5	145.1
200' South of F		
E. line	8.3	144.3
Curb	8.5	144.1
1/4	8.4	144.2
Center	8.2	144.4
1/4	8.6	144.0
Curb	7.0	143.6
W. line	8.7	143.9
225' South of F		
W. line	9.7	142.9
Curb	9.7	142.9
1/4	9.7	142.9
Center	9.1	143.5

1/4	9.3	143.3
Curb	8.8	143.8
E. line	8.5	144.1
250' South of F		
E. line	9.2	143.4
Curb	9.4	143.2
1/4	9.7	142.7
Center	10.2	142.4
1/4	10.2	142.4
Curb	10.2	142.4
W. line	10.7	141.9
275' South of F		
W. line	11.8	140.8
Curb	11.6	141.0
1/4	10.9	141.7
Center	10.7	141.9
1/4	10.5	142.1
Curb	10.4	142.2

E. line		10.3			142.3
T.P.	1.51	12.12	142.03	140.52	
		North line of G			
E. line		1.8			140.2
Curb		2.2			139.8
1/4		1.9			140.1
Center		2.6			139.4
1/4		3.2			138.8
Curb		3.4			138.6
W. line		3.5			138.5
		Curb, No. side of G			
W. line		5.2			136.8
Curb		4.4			137.6
1/4		4.0			138.0
Center		3.7			138.3
1/4		3.3			138.7
Curb		3.3			138.7
E. line		2.7			139.3

		1/4, No. side of G			
E. line		2.9			139.1
Curb		3.3			138.7
1/4		3.6			138.4
Center		3.9			138.1
1/4		4.1			137.9
Curb		4.5			137.5
W. line		4.6			137.4
		Center of G			
W. line		5.0			137.0
Curb		4.7			137.3
1/4		4.4			137.6
Center		4.2			137.8
1/4		3.9			138.1
Curb		3.7			138.3
E. line		3.4			138.6
		1/4, No. side of G			
E. line		3.4			138.6
Curb		4.0			138.0

1/4	4.2	137.8
Center	4.6	137.4
1/4	4.7	137.3
Curb	5.2	136.8
W. line	5.7	136.3
Curb, No. side of G		
W. line	6.2	135.8
Curb	6.2	135.8
1/4	5.9	136.1
Center	5.3	136.7
1/4	5.1	136.9
Curb	4.9	137.1
E. line	4.3	137.7
South line of G		
E. line	4.5	137.5
Curb	5.3	136.7
1/4	5.7	136.3
Center	5.7	136.3

1/4	6.2	135.8
Curb	6.4	135.6
W. line	6.7	135.3
25' South of G		
W. line	8.0	134.0
Curb	7.3	134.7
1/4	7.3	134.7
Center	6.7	135.3
1/4	6.6	135.4
Curb	6.5	135.5
E. line	6.3	135.7
50' South of G		
E. line	7.1	134.9
Curb	7.6	134.4
1/4	7.5	134.5
Center	7.9	134.1
1/4	8.4	133.6
Curb	8.3	133.7

N. line		9.1			132.9
T. P.	2.63	9.75	134.91	132.28	
		75' South of G			
N. line		3.0			131.9
Curb		2.5			132.4
1/4		2.3			132.6
Center		1.9			133.0
1/4		1.7			133.2
Curb		1.5			133.4
S. line		1.1			133.8
		100' South of G			
S. line		2.4			132.5
Curb		2.9			132.0
1/4		3.0			131.9
Center		3.1			131.8
1/4		3.5			131.4
Curb		3.9			131.0
N. line		4.2			130.7

		125' South of G			
N. line		5.4			129.5
Curb		5.1			129.8
1/4		5.1			129.8
Center		4.6			130.3
1/4		4.5			130.4
Curb		4.4			130.5
S. line		4.2			130.7
		150' South of G			
S. line		5.4			129.5
Curb		5.9			129.0
1/4		5.9			129.0
Center		6.0			128.9
1/4		6.2			128.7
Curb		6.4			128.5
N. line		6.4			128.5
		179' South of G = N. line Sluice			
N. line		7.8			127.1
Curb		7.9			127.0

1/4	7.8		127.1
Center	7.4		127.5
1/4	7.3		127.6
Curb	6.9		128.0
P. line	5.8		129.1
B.M. 24 ft W/H	10.65	124.76	

3/20/03
Pinney
Wilkinson
Lambert

Cross-section of 15th St. from D to E

15th & D B.M.	9.57		67.99	58.42

North line of D

E. line	10.2	57.79
Curb	9.7	58.29
1/4	8.9	59.09
Center	7.5	60.49
1/4	5.6	62.39
Curb	5.1	62.89
W. line	4.1	63.89

25' North of D

W. line	3.1	64.89
Curb	4.1	63.89
1/4	4.7	63.29
Center	5.3	62.69
1/4	6.6	61.39
Curb	7.2	60.79
E. line	7.6	60.39

50' North of D

E. line	6.4	61.59
Curb	5.9	62.09
1/4	5.5	62.49
Center	4.5	63.49
1/4	3.6	64.39
Curb	2.8	65.19
W. line	2.2	65.79

75' North of D

W. line	1.5	66.49
Curb	2.1	65.89
1/4	3.0	64.99
Center	3.8	64.19
1/4	4.3	63.69
Curb	4.7	63.29
E. line	5.6	62.39

100' North of D

E. line	4.2	63.79

Curb		3.1			64.89
1/4		2.4			65.59
Center		1.9			66.09
1/4		1.1			66.89
Curb		0.1			67.89
W. line		+0.3			68.3
T. P.	7.14	0.21	74.92	67.78	
	125' North of D				
W. line		5.2			69.72
Curb		5.8			69.12
1/4		6.3			68.62
Center		6.8			68.12
1/4		7.7			67.22
Curb		8.5			66.42
E. line		9.4			65.52
	150' North of D				
E. line		7.9			67.02
Curb		6.9			68.02
1/4		5.9			69.02
Center		4.8			70.12
1/4		4.5			70.42
Curb		4.1			70.82
W. line		4.0			70.92
	175' North of D				
W. line		2.0			72.92
Curb		2.3			72.62
1/4		3.0			71.92
Center		3.4			71.52
1/4		3.8			71.12
Curb		4.6			70.32
E. line		5.0			69.92
	200' North of D				
E. line		3.2			71.72
Curb		3.1			71.82
1/4		2.9			72.02
Center		1.8			73.12

1/4		1.2			73.72
Curb		0.3			74.62
N. line		0.2			74.72
T. P.	6.12	0.55	80.49	74.37	
		225' North of D			
N. line		3.5			76.99
Curb		4.2			76.29
1/4		5.5			74.99
Center		6.1			74.39
1/4		6.8			73.69
Curb		7.2			73.29
E. line		7.7			72.79
		250' North of D			
E. line		7.0			73.49
Curb		6.2			74.29
1/4		5.5			74.99
Center		4.9			75.59
1/4		3.2			77.29

Curb	2.5	77.99
N. line	1.6	78.89
	275' North of D	
N. line	0.4	80.09
Curb	1.2	79.29
1/4	2.2	78.29
Center	3.5	76.99
1/4	4.5	75.99
Curb	5.1	75.39
E. line	5.9	74.59
	285' North of D	
E. line	5.1	75.39
Curb	4.5	75.99
1/4	4.0	76.49
Center	2.9	77.59
1/4	2.1	78.39
Curb	0.7	79.79
N. line	0.3	80.19

South line of C

W. line		2.8			77.68
Curb		2.6			77.89
1/4		3.2			77.29
Center		3.1			77.39
1/4		3.2			77.29
Curb		3.5			76.99
E. line		3.5			76.99
T. P.	0.46	12.58	68.37	67.91	
15th m/ D					
B. M.		9.94		58.43 chp	

On Columbia betn Fir and Grape - put in a 2' x 2' Box,

On Columbia betn Ivy and Juniper put in a 3" x 4" Box.

10/12/03 Cross-section of Thornton Ave. from West line of 7th
Alvinson St. to East line 1st. Street.
Fortner
Davis

5th and Thornton		⊙	Elc.
B.M.	8.92	291.49	282.57

West line 7th.

No. line	12.1	279.4
Curb	11.8	279.7
	12.4	279.1
1/4	12.2	279.3
Center	12.0	279.5
1/4	12.2	279.3
Curb	12.7	278.8
So. line	12.0	279.5

25' West 7th

So. line	11.1	280.4
Curb	11.4	280.1
1/4	11.6	279.9
Center	11.5	280.0
1/4	11.3	280.2
Curb	11.4	280.1
	11.0	280.5

No. line	11.1	291.49
		280.4

50' West 7th

No. line	10.1	281.4
Curb	10.0	281.5
1/4	10.5	281.0
Center	10.6	280.9
1/4	10.7	280.8
Curb	10.3	281.2
So. line	10.0	281.5

75' West 7th

So. line	8.9	282.6
Curb	9.5	282.0
1/4	10.0	281.5
Center	9.7	281.8
1/4	9.8	281.7
Curb	9.7	281.8
	9.2	282.3

No. line	9.3	ϕ 291.49	282.2	No. line	7.7	ϕ 291.49	283.8
	100' West 7th				140' West 7th = E line alley		
No. line	8.4		283.1	No line	7.4		284.1
Curb	8.4		283.1	Curb	7.3		284.2
	8.7		282.8				
1/4	8.8		282.7	1/4	7.1		284.4
center	8.8		282.7	center	6.9		284.6
1/4	8.8		282.7	1/4	7.0		284.5
curb	8.5		283.0	curb	6.4		285.1
So. line	8.4		283.1	So. line	6.2		285.3
	125' West 7th				160' West 7th = W line alley		
So. line	7.2		284.3	So. line	5.1		286.4
Curb	7.4		284.1	Curb	5.4		286.1
1/4	7.7		283.8	1/4	6.2		285.3
center	7.6		283.9	center	6.4		285.1
1/4	7.7		283.8	1/4	6.4		285.1
curb	7.9		283.6	curb	6.6		284.9
	7.6		283.9				

No. line	6.7 P 291.49	284.8

175' West 7th

No line	6.2	285.3
curb	6.1	285.4
1/4	6.0	285.5
center	5.9	285.6
1/4	5.8	285.7
curb	5.3	286.2
So. line	4.9	286.6

200' West 7th

So. line	5.0	286.5
curb	5.1	286.4
1/4	5.6	285.9
center	5.6	285.9
1/4	5.7	285.8
curb	5.5	286.0

No. line	5.4 P 291.49	286.1

225' West 7th

No. line	4.6	286.9
curb	5.1	286.4
1/4	5.4	286.1
center	5.2	286.3
1/4	5.0	286.5
curb	4.6	286.9
So. line	4.5	287.0

250' West 7th

So. line	4.0	287.5
curb	4.6	286.9
1/4	4.8	286.7
center	4.9	286.6
1/4	4.9	286.6
curb	4.7	286.8

No. line	4.5 @ 291.49	287.0

275' West 7th

No line	4.3	287.2
curb	4.6	286.9
1/4	4.7	286.8
center	4.7	286.8
1/4	4.7	286.8
curb	4.3	287.2
So. line	4.2	287.3

East line 6th

So line	4.6	286.9
curb	4.6	286.9
1/4	4.8	286.7
center	4.9	286.6
1/4	5.0	286.5
curb	4.7	286.8

No. line	4.6 @ 291.49	286.9

Curb East side 6th

No. line	4.8	286.7
Curb	5.2	286.3
1/4	5.2	286.3
Center	5.0	286.5
1/4	5.0	286.5
curb	4.9	286.6
So. line	4.7	286.8

Center 6th

So. line	5.1	286.4
curb	5.4	286.1
1/4	5.4	286.1
Center	5.3	286.2
1/4	5.4	286.1
Curb	5.7	285.8

No. line	5.0	286.5

Curb West side 6th

No. line	5.8	285.7
curb	6.1	285.4
1/4	5.7	285.8
center	5.6	285.9
1/4	5.6	285.9
curb	5.8	285.7
So. line	5.3	286.2

195 West line 6th

So. line	5.4	286.1
curb	5.7	285.8
1/4	5.7	285.8
center	5.6	285.9
1/4	6.0	285.5
curb	6.1	285.4

No. line	5.5	286.0

175' E. of 5th

No. line	5.6	285.9
curb	6.0	285.5
	6.4	285.1
1/4	6.1	285.4
Center	6.1	285.4
1/4	6.0	285.5
curb	6.2	285.3
So. line	5.9	285.6

150' E. of 5th X

So. line	5.8	285.7
curb	6.3	285.2
1/4	6.2	285.3
center	6.4	285.1
1/4	6.2	285.3
curb	6.4	285.1
	6.1	285.4

No. line	5.7 ℄ 291.49	285.8

125' E. of 5th

No. line	6.0	285.5
curb	6.2	285.3
	6.4	285.1
1/4	6.3	285.2
center	6.3	285.2
1/4	6.5	285.0
curb	6.6	284.9
So. line	6.5	285.0

100' E. of 5th

So. line	6.9	284.6
curb	6.8	284.7
1/4	6.6	284.9
center	6.5	285.0
1/4	6.7	284.8
curb	6.8	284.7

No. line	6.4 ℄ 291.49	285.1

75' E. of 5th

No. line	6.5	285.0
curb	6.8	284.7
1/4	6.9	284.6
center	6.7	284.8
1/4	6.7	284.8
curb	6.8	284.7
So. line	7.0	284.5

50' E. of 5th

So. line	7.2	284.3
curb	7.1	284.4
1/4	7.0	284.5
center	7.0	284.5
1/4	6.8	284.7
curb	6.8	284.7

No. line	6.3	291.49		285.2

25' E. of 5th

No. line	6.1			285.4
curb	6.9			284.6
1/4	7.1			284.4
center	7.3			284.2
1/4	7.4			284.1
curb	7.3			284.2
So. line	7.3			284.2

East line 5th

So. line	8.3			283.2
curb	9.0			282.5
1/4	8.9			282.6
center	9.0			282.5
1/4	8.9			282.6
curb	8.5			283.0

No. line	7.6			283.9
B.M.	6.70	289.27	Ele. 282.57	

West line 5th.

No. line	4.3			285.0
curb	4.8			284.5
1/4	5.0			284.3
center	5.3			284.0
1/4	4.9			284.4
curb	5.0			284.3
So. line	5.2			284.1

25' West 5th

So. line	6.7			282.6
curb	6.8			283.0
1/4	6.0			283.8
center	5.7			283.6
1/4	5.0			284.3

curb		3.7	ϕ289.27		285.6	curb		5.0	ϕ289.27		284.3
No. line		3.3			286.0	No. line		4.8			284.5
		50' West 5th						100' West 5th			
No. line		6.1			283.2	No. line		5.7			283.6
curb		6.3			283.0	curb		5.8			283.5
1/4		6.4			282.9	1/4		5.8			283.5
center		6.5			282.8	center		6.0			283.3
1/4		6.9			282.4	1/4		6.3			283.0
curb		7.0			282.3	curb		5.9			283.4
So. line		6.5			282.8	So. line		6.0			283.3
		75' West 5th						125' West 5th			
So. line		7.0			282.3	So. line		5.7			283.6
curb		6.8			282.5	curb		5.6			283.7
1/4		6.6			282.7	1/4		5.6			283.7
center		5.7			283.6	center		54			283.9
1/4		5.0			284.3	1/4		5.3			284.0

curb	5.2	℄ 289.27	284.1
No. line	5.0		284.3

135' West 5th = E. line alley

No. line	4.8	284.5
curb	4.3	285.0
1/4	3.6	285.7
center	3.9	285.4
1/4	4.7	284.6
curb	5.7	283.6
So. line	5.7	283.6

150' West 5th = W. line alley

So. line	5.0	284.3
curb	5.4	283.9
1/4	4.2	285.1
center	3.3	286.0
1/4	3.2	286.1

curb	4.0	℄ 289.27	285.3
No. line	4.5		284.8

160' West 5th

No. line	4.4	284.9
curb	4.4	284.9
1/4	3.8	285.5
center	3.8	285.5
1/4	4.5	284.8
curb	5.2	284.1
So. line	5.1	284.2

185'

So. line	5.0	284.3
curb	4.8	284.5
1/4	4.6	284.7
center	4.5	284.8
1/4	4.0	285.3

curb	3.3	289.27	286.0
No. line	4.0		285.3
	210'		
No. line	3.2		286.1
curb	3.6		285.7
1/4	4.2		285.1
center	4.4		284.9
1/4	4.5		284.8
curb	4.4		284.9
So. line	4.7		284.6
	235'		
So. line	4.4		284.9
curb	4.6		284.7
1/4	4.4		284.9
center	4.4		284.9
1/4	4.2		285.1

curb	3.9	289.27	285.4
No. line	3.2		286.1
	260'		
No. line	4.1		285.2
curb	4.0		285.3
1/4	3.6		285.7
center	4.0		285.3
1/4	4.3		285.0
curb	4.4		284.9
So. line	4.4		284.9
	East line 4th		
So. line	3.6		285.7
curb	4.1		285.2
1/4	4.2		285.1
center	4.1		285.2
1/4	3.6		285.7

curb		3.6	℄ 289.27		285.7
No. line		3.3			286.0
T. P	3.08	288.35	4.00	285.27	

West line 4th

No line	2.7	285.6
curb	3.2	285.1
1/4	3.3	285.0
center	3.3	285.0
1/4	3.2	285.1
curb	3.2	285.1
So. line	2.9	285.4

25' West 4th

So. line	3.0	285.3
curb	3.7	284.6
1/4	3.9	284.4
center	3.2	285.1

1/4	2.9	℄ 288.35		285.4
curb	3.3			285.0
No. line	3.6			284.7

50' West 4th

No. line	3.9	284.4
curb	4.1	284.2
1/4	3.1	285.2
Center	3.3	285.0
1/4	4.1	284.2
curb	4.2	284.1
So. line	4.2	284.1

75' West 4th

So. line	4.6	283.7
curb	4.5	283.8
1/4	4.8	283.5
center	4.6	283.7

1/4	4.6	288.35	283.7
curb	4.3		284.0
No. line	3.9		284.4

100' West 4th

No. line	4.4	283.9
curb	4.0	284.3
1/4	4.0	284.3
center	4.2	284.1
1/4	4.9	283.4
curb	4.6	283.7
So. line	4.5	283.8

125' West 4th

So. line	5.5	282.8
curb	5.3	283.0
1/4	5.4	282.9
center	5.5	282.8

1/4	5.4	288.35	282.9
curb	5.2		283.1
No. line	5.2		283.1

135' West 4th = East line alley

No. line	5.2	283.1
curb	5.4	282.9
1/4	5.5	282.8
center	5.6	282.7
1/4	5.8	282.5
curb	5.6	282.7
So. line	5.5	282.8

150' West 4th = West line alley

So. line	4.7	283.6
curb	4.7	283.6
1/4	5.5	282.8
center	5.6	282.7

1/4	5.5 ⊕288.35	282.8
curb	5.3	283.0
No. line	5.6	282.7

160' West 4th

No. line	5.0	283.3
curb	4.8	283.5
1/4	5.6	282.7
center	5.8	282.5
1/4	5.7	282.6
curb	5.0	283.3
So. line	4.7	283.6

185' West 4th

So. line	5.8	282.5
curb	6.0	282.3
1/4	5.9	282.4
center	6.2	282.1

1/4	6.2 ⊕288.35	282.1
curb	6.3	282.0
No. line	6.2	282.1

210' West 4th

No. line	6.0	282.3
curb	5.1	283.2
1/4	5.5	282.8
center	6.6	281.7
1/4	6.6	281.7
curb	6.2	282.1
So. line	5.8	282.5

235' West 4th

So. line	6.2	282.1
curb	6.7	281.6
1/4	7.0	281.3
center	7.2	281.1

1/4	7.1	288.35	281.2
curb	7.1		281.2
No. line	7.2		281.1

260' West 4th

No. line	7.5	280.8
curb	7.4	280.9
1/4	7.4	280.9
center	7.5	280.8
1/4	6.6	281.7
curb	6.4	281.9
So. line	7.2	281.1

East line 3rd.

So. line	7.7	280.6
curb	7.4	280.9
1/4	7.6	280.7
Center	7.6	280.7

1/4		8.0	282.34	280.3
curb		7.7		280.6
No. line		7.2		281.1
T.P.	3.05	282.34	9.06	279.29

West line 3rd.

No. line	3.1	279.2
curb	3.2	279.1
1/4	2.5	279.8
center	2.6	279.7
1/4	2.8	279.5
curb	2.9	279.4
So. line	2.8	279.5

25' West 3rd.

So. line	3.3	279.0
curb	3.3	279.0
1/4	3.3	279.0

center	3.0	282.34	279.3
1/4	3.2		279.1
curb	3.6		278.7
No. line	3.7		278.6

50' West 3rd.

No. line	4.0	278.3
curb	3.6	278.7
1/4	3.2	279.1
center	3.0	279.3
1/4	3.8	278.5
curb	3.9	278.4
So. line	3.6	278.7

75' West 3rd

So. line	4.0	278.3
curb	4.2	278.1
1/4	4.4	277.9

center	4.3	282.34	278.0
1/4	4.0		278.3
curb	4.5		277.8
No. line	4.7		277.6

100' West 3rd.

No. line	4.3	278.0
curb	4.8	277.5
1/4	4.7	277.6
center	4.7	277.6
1/4	4.8	277.5
curb	4.4	277.9
So. line	4.0	278.3

125' West 3rd.

So. line	4.5	277.8
curb	4.8	277.5
1/4	5.2	277.1

center	5.3	⊕282.34	277.0
1/4	5.5		276.8
curb	5.5		276.8
No. line	5.6		276.7

135' West 3d. = East line alley

No. line	5.9	276.4
curb	5.9	276.4
1/4	5.7	276.6
center	6.1	276.2
1/4	5.6	276.7
Curb	5.3	277.0
So. line	4.8	277.5

150' West 3d: West line alley

So. line	5.9	276.4
curb	6.1	276.2
1/4	6.0	276.3

center	6.0	⊕282.34	276.3
1/4	6.2		276.1
curb	6.4		275.9
No. line	6.3		276.0

160' West 3d.

No. line	6.9	275.4
curb	7.0	275.3
1/4	7.3	275.0
center	6.8	275.5
1/4	6.5	275.8
curb	6.4	275.9
So. line	6.4	275.9

185' West 3d.

So. line	8.1	274.2
curb	8.3	274.0
1/4	8.4	273.9

center	8.2	℄ 282.34	274.1
1/4	8.1		274.2
curb	8.6		273.7
No. line	8.6		273.7

210' West 3d.

No. line	9.5	272.8
curb	9.6	272.7
1/4	9.5	272.8
center	9.2	273.1
1/4	9.5	272.8
curb	9.6	272.7
So. line	9.6	272.7

235' West 3d.

So. line	10.1	272.2
curb	10.0	272.3
1/4	9.9	272.4

center	10.3	℄ 282.34	272.0
1/4	10.6		271.7
curb	10.2		272.1
No. line	9.8		272.5

260' West 3d.

No. line	11.0	271.3
curb	10.9	271.4
1/4	11.1	271.2
center	11.3	271.0
1/4	11.1	271.2
curb	10.8	271.5
So. line	10.8	271.5

East line 2d

So. line	12.0	270.3
curb	12.0	270.3
1/4	11.5	270.8

center	11.1		271.2
1/4	11.3		271.0
curb	11.6		270.7
No. line	11.0		271.3
T. P	1.58 + 272.29	11.63 −	270.71

Curb East side 2d

No. line	1.2	271.1
curb	1.7	270.6
1/4	1.8	270.5
center	1.8	270.5
1/4	1.7	270.6
curb	2.3	270.0
So. line	2.2	270.1

1/4 East side 2d.

So. line	2.5	269.8
curb	2.5	269.8
1/4	2.2 + 272.29	270.1
center	2.2	270.1
1/4	2.1	270.2
curb	1.8	270.5
No. line	1.8	270.5

Center 2d.

No. line	2.1	270.2
curb	2.3	270.0
1/4	2.5	269.8
center	2.6	269.7
1/4	2.3	270.0
curb	2.1	270.2
So. line	1.8	270.5

1/4 West side 2d.

So. line	2.8	269.5
curb	2.8	269.5

1/4		3.0	d272.29	269.3	1/4		2.5	d272.29	269.8
center		2.8		269.5	center		2.9		269.4
1/4		2.7		269.6	1/4		3.0		269.3
curb		2.2		270.1	curb		2.3		270.0
No. line		2.2		270.1	No. line		2.9		269.4
	Curb West side 2d.					25' West 2d.			
No. line		2.3		270.0	No. line		3.7		268.6
curb		1.7		270.6	curb		3.9		268.4
1/4		2.2		270.1	1/4		4.1		268.2
center		2.7		269.6	center		4.0		268.3
1/4		2.5		269.8	1/4		4.4		267.9
curb		2.5		269.8	curb		4.7		267.6
So. line		3.2		269.1	So. line		4.9		267.4
	West line 2d.					50' West 2d			
So. line		3.4		268.9	So. line		7.1		265.2
curb		2.8		269.5	curb		6.5		265.8

1/4	5.6	d 272.29	266.7
center	5.2		267.1
1/4	5.1		267.2
curb	5.0		267.3
No. line	4.6		267.7

75' West 2d

No. line	7.3	265.0
curb	7.3	265.0
1/4	7.5	264.8
center	7.7	264.6
1/4	8.1	264.2
curb	8.6	263.7
So. line	8.9	263.4

100' West 2d

So. line	9.8	262.5
curb	9.5	262.8

1/4	9.1	d 272.29	263.2
center	8.8		263.5
1/4	8.7		263.6
curb	8.4		263.9
No. line	8.2		264.1

130' West 2d. = East line alley

No. line	10.0	262.3
curb	9.9	262.4
1/4	9.9	262.4
center	9.9	262.4
1/4	10.1	262.2
curb	10.0	262.3
So. line	10.2	262.1

145' West 2d = West line alley

So. line	10.6	261.7
curb	10.6	261.7

1/4		10.3	272.29		262.0
center		10.5			261.8
1/4		10.4			261.9
curb		10.5			261.8
No. line		10.5			261.8
		175' West 2d.			
No. line		11.5			260.8
curb		11.3			261.0
1/4		11.6			260.7
center		11.6			260.7
1/4		11.5			260.8
curb		11.3			261.0
So. line		11.3			261.0
T.P	4.46	11.12	265.63	261.17	
		200' West 2d			
So. line		4.7			260.9

curb		4.7	265.63		260.9
1/4		5.1			260.5
center		5.5			260.1
1/4		5.7			259.9
curb		5.6			260.0
No. line		5.8			259.8
		225' West 2d.			
No. line		7.1			258.5
curb		6.4			259.2
1/4		6.0			259.6
center		5.7			259.9
1/4		5.3			260.3
curb		4.8			260.8
So. line		4.5			261.1
		250' West 2d			
So. line		4.9			260.7

curb	5.0	265.63	260.5
1/4	5.4		260.2
center	5.7		259.9
1/4	6.1		259.5
curb	6.5		259.1
No. line	7.0		258.6

~~East~~ West line 1st.

No. line	6.3	259.3
curb	6.1	259.5
1/4	6.0	259.6
center	5.9	259.7
1/4	5.8	259.8
curb	6.0	259.6
So. line	6.0	259.6

10/12/03

Levels on Cedar St from E. side 10th St to City Park line (Appx)

Sta	+	⊗	−	Elev
BM	2.45	150.87		148.42
T.P.	0.43	138.36	12.94	137.93
T.P.	0.07	125.96	12.47	125.89
Cb. N side			4.25	121.71
" S			4.3	121.66
" +10 S			6.5	119.46
" +10 N			7.1	118.86
+20 N			9.35	116.61
+20 S			9.1	116.86
+30 S			11.85	114.11
+30 N			11.55	114.41
T.P.	0.18	113.67	12.47	113.48
+40 N			2.2	111.47
+40 S			2.2	111.47
+50 S			5.0	108.67
+50 N			5.2	108.47

Alverson
Davis

Levels continued

	+	Cedar ~~0~~ 113.67	−	Elv
Cb				
+60 N. side			8.70	104.97
+60 S			7.85	105.82
+70 S			11.20	102.47
+70 N			12.50	101.17
T.P.	0.07	101.72	12.02	101.65
+80 N			4.10	97.62
+80 S			4.25	97.47
+90 S			7.50	94.22
+90 N			7.30	94.42

Levels over center of 11st from South side of N. St. to intersection of Main St. Thence over center of Main st.

Sta		⌀					⌀			
							06.56			
B.M.	+2.31	10.56		08.25	Spk in Tel pole N.W. cor 10th & M. St.	Top of ties N. C. & O. R.R. Bridge about 13th St.				
T.P.	⊙ +1.77		-5.77	04.79			4.00		02.56	Top of ties)
		06.56								
center South side of N St										
0.		1.60		4.96						
+50		2.50		4.06						
+98		3.50		3.06						
1.		5.20		1.36						
+50		7.90		-1.34	Below datum					
+98		10.00		-3.44	" " "					
Intersection of 11th & Main										
2.		10.00		-3.44	" " "					
+50		8.90		-2.34	" " "					
+80		8.50		-1.94	" " "					
3.		10.20		-3.64	" " "					
+07		11.20		-4.64	" " "					

Anderson
Lambert } 12/18-03
Matlax

Cross-section of intersection of Main and 26th Streets.

		Rod	
B.M.	West line 26th.	+0.82	29.86
	⌀30.68		
N. line	3.00		27.68
16.9	3.20		27.48
32.0	3.90		26.78
47.5	4.80		25.88
63.0	5.30		25.38
78.0	5.80		24.88
94.5	6.00		24.68
(So line of main) 105.5	(6.20)		
119.5	6.30		24.38
144.5	6.90		23.78
(N Line of main 156.5)	(6.70)		
169.5	7.00		23.68
170.5	7.00)		
183.5			
194.5	7.20		23.48
196.5	7.80)		
209.5	7.80		22.88
222.5	8.30)		
223.5	8.40		22.28
236.5 So line	8.10		

Curb West side 26th

N. line	3.30	27.38
16.9	4.10	26.58
32.0	4.70	25.98
47.5	5.40	25.28
63.0	5.80	24.88
78.0	6.00	24.68
88.0	5.80	24.88
(105.5' So side of main	6.20)	
113.5	6.20	24.48
138.5	6.50	24.18
(147.2' N Line of main	6.60)	
163.5 (161.2)	6.90	23.78
(174.2'	7.00)	
188.5	7.40	23.28
187.2	7.40	
200.2	7.50	
203.5	7.50	23.18
213.2'	7.40	
217.5	7.40	23.28
227.2' So Line	6.90	

1/4 West side 26th

N. line	4.30	26.38
16.9	4.90	25.78
30.5	5.30	25.38

	30.68	
45.5	5.70	24.98
60.5	5.70	24.98
74.0	5.80	24.88
82.0	5.40	25.28
(105.5' So side of main	(5.50)	
107.0	5.50	25.18
(130.5'	6.00)	
132.0	6.00	24.68
(139.5' N side of main)	6.10)	
152.5'	6.40)	
157.0	6.60	24.08
164.5	6.70	
179.5'	6.80	
182.0	6.90	23.78
192.5	6.70	
197.0	6.60	24.08
205.5'	6.40	
211.0	6.40	24.28
219.5' So line	6.10	

Centre of 26th

N. line	4.70	25.98
16.9	5.10	25.58
29.5	5.20	25.48
44.9	5.10	25.58
58.0	4.60	26.08
70.5	4.50	26.18

76.0	4.70	25.98
101.0	4.80	25.88
(105.5' So side of main	5.00)	
126.0	4.90	25.78
131. N Side of main	4.90	
144. curb	5.50	
151.0	5.80	24.88
157. 1/4	5.90	
170. center	6.00	
176.0	6.00	24.68
183. 1/4	6.00	
191.0	6.00	24.68
196 curb	5.80	
205.0	5.60	25.08
210. So Line	5.50	

1/4 East side 26th

N. line	4.60	26.08
16.9	4.10	26.58
29.0	4.00	26.68
42.0	3.90	26.78
56.0	3.20	27.48
67.0	3.30	27.38
69.5	3.40	27.28
95.0	4.70	25.98
105.5'	4.20	
120.0	4.20	26.48
(123. N Line of main	4.30)	

	30.68	
(137. curb	4.80)	
145.0	5.00	25.68
150 ¼	5.10	
163. Center	5.10	
170.0	5.50	25.18
176 ¼	5.20	
185.0	5.40	25.28
189 curb	5.30	
199.0	4.90	25.78
203. So line	4.70	

Cut East side 26th.

N. line	3.20	27.48
16.9	2.90	27.78
26.9	3.00	27.68
40.0	2.90	27.78
53.5	2.60	28.08
63.5	2.80	27.88
88.5	4.10	26.58
105.5 So line	3.70)	
113.5	4.00	26.68
(114.3' N line domain	4.00)	
128.3 curb	4.30)	
138.5	4.40	26.28
141.3' ¼	4.40)	
154.3' center	4.30)	
163.5	4.40	26.28
167.3' ¼	4.70)	
178.5	4.70	25.98
180.3 curb	4.70	
192.5	4.40	26.28
194.3' So line	4.40	

12/30/03 Anderson, Mattox, Lembert

Cross section of 24th St from So side of G St to No side of H St

B.M.		145.34	
+0.59	145.93		
West line	2.40		143.5
Curb	2.10		143.8
1/4	2.20		143.7
Center	1.60		144.3
1/4	1.60		144.3
Curb	0.40 on cement		145.5
East line	0.15 " " "		145.8
25' South of G St.			
East line	1.60		144.3
Curb	2.10		143.8
1/4	2.70		143.2
Center	3.20		142.7
1/4	3.20		142.7
Curb	3.20		142.7
West line	3.40		142.5

50' South of G St.		
West line	5.10	140.8
Curb	4.40	141.5
1/4	4.40	141.5
Center	4.40	141.5
1/4	3.80	142.1
Curb	3.60	142.3
East line	2.70	143.2
75' South of G St.		
East line	4.20	141.7
Curb	4.60	141.3
1/4	5.30	140.6
Center	5.60	140.3
1/4	5.60	140.3
Curb	6.00	139.9
West line	6.50	139.4
100' South of G St.		
West line	7.30	138.6

	145.93	
Curb	7.20	138.7
1/4	6.90	139.0
Center	6.70	139.2
1/4	6.70	139.2
Curb	5.80	140.1
Eastline	5.50	140.4
125' South of G St.		
Eastline	6.90	139.0
Curb	7.40	138.5
1/4	8.10	137.8
Center	8.10	137.8
1/4	8.00	137.9
Curb	8.30	137.6
Westline	8.70	137.2
140' South of G St. No side of alley.		
Westline	9.30	136.6
Curb	9.00	136.9
1/4	9.10	136.8
Center	8.80	137.1
1/4	8.90	137.0
Curb	8.30	137.6
Eastline	7.40	138.5
160' South of G St. So side of alley		
Eastline	7.30	138.6
Curb	8.50	137.4
1/4	9.20	136.7
Center	9.70	136.2
1/4	9.70	136.2
Curb	10.10	135.8
Westline	10.60	135.3
⊙	-10.78	135.15 T.P.
+3.39	138.54	
175' South of G St.		
Westline	4.00	134.5
Curb	3.70	134.8

	138.54	
1/4	3.20	135.3
Center	2.90	135.6
1/4	2.10	136.4
Curb	1.40	137.1
East line	0.70	137.8
200' South of G St		
East line	2.20	136.3
Curb	3.00	135.5
1/4	3.60	134.9
Center	4.10	134.4
1/4	4.60	133.9
Curb	5.40	133.1
West line	4.90	133.6
225' South of G St,		
West line	6.30	132.2
Curb	5.70	132.8
1/4	6.10	132.4
Center	5.20	133.3
1/4	4.90	133.6
Curb	4.10	134.4
East line	3.60	134.9
250' South of G St,		
East line	4.60	133.9
Curb	4.90	133.6
1/4	5.90	132.6
Center	6.30	132.2
1/4	6.70	131.8
Curb	7.30	131.2
West line	7.60	130.9
275' South of G St,		
West line	8.60	129.9
Curb	8.20	130.3
1/4	7.70	130.8
Center	7.70	130.8
1/4	7.30	131.2

	138.54		
Curb	6.00		132.5
East line	5.90		132.6
(300' South of C St.)			
North side of H St.			
East line	8.75	(on cement)	129.8
Curb	9.00	" "	129.5
1/4	8.90		129.6
Center	10.10		128.4
1/4	9.70		128.8
Curb	9.40		129.1
West line	10.00		128.5
312.45' West side to 300' ft pt on East side			
North side of H St			
West line	11.00		127.5
Curb	10.70		127.8
1/4	10.00		128.5
Center	10.00		128.5
1/4	9.40		129.1
Curb	9.00	(on cement)	129.5

East line	8.75	(on cement)	129.8

2/8/04 } Hutchison Torrance Conley

Kalmia St

3.68	43.89		240.21

West Line of 5th

M. Line	2.0		241.9
Curb	2.3		241.6
1/4	2.8		241.1
Center	3.0		240.9
1/4	3.6		240.3
Curb	3.8		240.1
So Line			

25' west of 5th

So Line			
Curb	5.92		238.0
Curb	5.3		238.6
1/4	4.6		239.3
Center	4.1		239.8
1/4	3.5		240.4
Curb	2.9		241.0
M. Line	2.2		241.7

50' west of 5th

43.89

No Line	3.0	240.9
Curb	3.6	240.3
1/4	4.1	239.8
Center	5.0	238.9
1/4	5.9	238.0
Curb	6.3	237.6
	7.87	236.0

75' west 5th St.

So. Curb	10.0	233.9
Curb	7.4	236.5
1/4	6.8	237.1
Center	6.0	237.9
1/4	4.9	239.0
Curb	4.6	239.3
No Line	3.7	240.2

Kalina St.

100' West 5th

43.89 4

No Line	5.0	238.9
Curb	6.4	237.5
1/4	6.5	237.4
Center	7.2	236.7
1/4	8.1	235.8
Curb	8.2 10.6	235.7 233.3
So Line	10.7	233.2

100' West of 5th

No Line	5.0	238.9
Curb	6.4	237.5
1/4	6.5	237.4
Center	7.2	236.7
1/4	8.1	235.8
Curb	8.2	235.7
So Line	9.2	234.7

125' West of 5th

43.89

So Line	9.8	234.1
Curb	9.6	234.3
1/4	8.8	235.1
Curb	8.9	235.0
1/4	8.7	235.2
Curb	8.2	235.7
No Line	6.4	237.5

150' West of 5th

No Line	7.9	236.0
Curb	10.5	233.4
1/4	11.3	232.6
Curb	11.7	232.2
1/4	11.4	232.5
Curb	11.3	232.6
So Line	11.6	232.3

Kalmio St. 7/8/04

4389

7.78 34.87 11.80 37.09

175' west of 5th

So Line		5.4	229.5
Cent		5.1	229.8
1/4	{	4.5 5.5	230.4 229.4
Cent		5.9	229.6
1/4		4.8	230.1
Cent		3.8	231.1
No Line		7.0	232.9

200' west of 5th East Line of 4th

No Line		8.35	226.5
Cent.		8.67	226.2
1/4		8.6	226.3
Cent.		9.0	225.9
1/4		9.5	225.4
Cent		7.1	227.8
So Line		7.9	227.0

22nd Street.

8.78	147.89		139.11
3.90	149.93	1.86	146.03

No. Line of "B"

Center	3.4	146.5
1/4	3.7	146.2
Curb	3.4	146.5
East Line	3.0	146.9

15' No. of "B"

East Line	5.0	144.9
Curb	10.6	139.3
1/4	9.0	140.9
Center	10.1	139.8

25' No. of "B"

Center	10.6	139.3
1/4	9.8	140.1
Curb	10.6	139.3
East Line	11.8	138.1

50' No. of "B"

East Line	9.5	140.4
Curb	11.6	138.3
19' East of Ct.	13.0	136.9
1/4	11.5	138.4
Center	11.8	138.1

85' No. of "B"

Center	11.1	138.8
1/4	11.7	138.2
20' East of Ct	14.0	135.9
Curb	11.8	138.1
East Line	1.7	148.2

100' No. of B

East Line	2.1	147.8
Curb	12.5	137.4
1/4	16.2	133.7
Center	15.1	134.8

110' No of "B"

Center	149.93	15.6	134.3
1/4		15.7	134.2
Curb		13.1	136.8
East Line		4.5	145.4

125' No of B.

East Line		4.0	145.9
Curb		9.5	140.4
4		9.1	140.8
Ct.		9.8	140.1

140' No of

Ct.		5.4	144.5
4		5.5	144.4
Curb		6.1	143.8
5 West of East Line		6.1	143.8
East Line		4.0	145.9
	9.16	156.41	2.68	147.25

150' No of B

Center	156.41	10.4	146.0
1/4		9.9	146.5
Curb		9.8	146.6
East Line		10.0	146.4

175' No of

East L.		6.4	150.0
Curb		6.7	149.7
4		7.4	149.0
Ct.		8.1	148.3

200' No of

Ct.		5.9	150.5
4		5.5	150.9
Ct.		4.7	151.7
East L		4.0	152.4

22nd St.

225' No of "B"

East Line	1564.1	1.7	154.7
—		2.3	154.1
4		2.9	153.5
Ct.		3.4	153.0

250' No of "B"

Ct.		4.4	152.0
1/4		3.1	153.3
Cb.		1.9	154.5
East Line		1.2	155.2

275' No of

East Line		2.6	153.8
Cb		3.7	152.7
1/4		5.8	150.6
Center		6.8	149.6

10/28/04 Hutchinson Torrence Evans

(300) So Line of "A"

Center Line	1564.1	10.3	146.1
1/4		8.7	147.7
Cb.		6.7	149.7
East Line		5.5	150.9

17th Street

10/28/04 Hutchison
Torrance
Evans.

	8.18	64.30		56.12
	11.37	73.44	2.23	62.07
B.M.			8.81	64.63
So Line of "D"				
W.L.			9.5	63.9
C			9.4	64.0
1/4			10.1	63.3
Ct.			10.7	63.2
1/4			9.7	63.7
Curb			6.9	66.50
East Line			6.7	66.7
10' So of "D"				
West Line			17.0	56.4
Curb			15.3	58.1
1/4			14.8	58.6
Ct.			14.3	59.1
1/4			13.6	59.8
Curb			12.4	61.0
East Line			10.8	52.6
25' So of D.				
East Line			8.7	64.7
Curb			10.6	62.8
1/4			11.6	61.8
Ct.			13.2	60.2
1/4			14.0	59.4
Ct.			14.6	58.8
West Line			16.0	57.4
50' So of D.				
W.L.			10.3	63.1
7' East of West Line			7.6	65.8
Curb			6.7	66.7
1/4			5.0	68.4
Ct.			5.0	68.4
1/4			3.8	69.6

17 76/11

Curb	73.44	2.4	71.0
East Line		0.3	73.1
		0.02	73.42

50' South D.

West Line	10.3	63.1
~~Curb~~ 7' East of West Line	7.6	65.8
~~1/4~~ Curb	6.7	66.7
~~Center~~ 1/4	5.0	68.4
Center	5.0	68.4

60' South D.

West Line	9.3	64.1
7' East of West Line	5.0	68.4
Curb	3.4	70.0
1/4	1.0	72.4
Center	1.7	72.2

75' South D.

West Line	73.44	8.7	64.7
12.31	85.73	9.02	73.42
9' East of West Line		14.6	71.1
Curb		13.2	72.5
1/4		11.8	73.9
Center		9.4	76.3

100' South D.

Center	1.0	84.7
1/4	2.4	83.3
Curb	4.2	81.5
West Line	7.9	77.8

125' South D.

West		7.4	78.3
12.45	97.70	0.48	85.25
6' East of West Line		12.8	84.9
Curb		10.8	86.9
1/4		7.1	90.6
Center		5.3	92.4

17th

150' Soof D,

Center	97.70	2.9	94.8
1/4		3.4	94.3
Curb		7.6	90.1
West Line		12.9	84.8

175' Soof D

West Line		11.3	86.4
Curb		5.3	92.4
1/4		2.3	95.4
Center		2.2	95.5

200' Soof D,

Center		1.5	96.2
1/4		3.0	94.7
Curb		5.5	92.2
West Line		10.2	87.5

10/29/04 Hutchison
7. + E.

46.52
3.96
50.48 H.I.

0.98 / 49.50
2.8 / 47.7
4.28 / 46.2
5.2

5.8 / 44.7
6.3 / 44.2

74 / 43.1

8.78 / 41.70
3.93 / 46.58
3.8 / 46.7

4.58 / 45.9
4.88 / 45.6

46.52
6.00
52.52 H.I.

6.32 / 46.2
4.52 / 48.0
2.82 / 49.70

44.5
4.7
3) 2.8
.93

44.5
.93
43.57
.93
42.64
.94
41.70

49.7
46.5
3.2

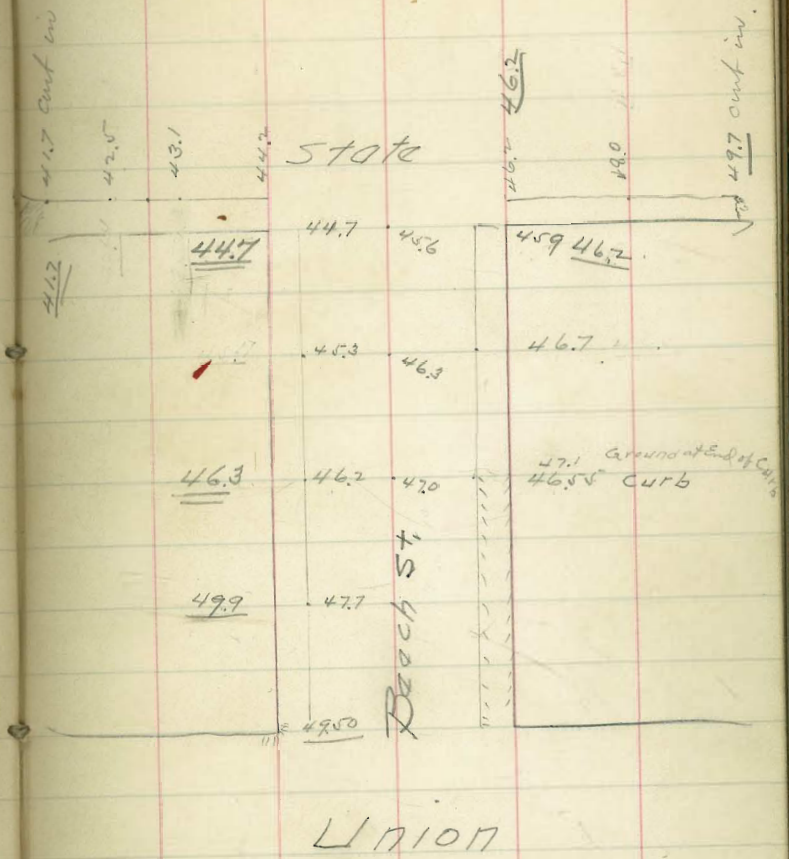
49.7
.16
48.1
.16
48.0

48.1
4.4
46.52
4.34
50.86 H.I.

46.5
6.0

43.57
7.3

Note. Under Lined Elevation are proposed Grades.



Degrees.	Degrees.
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Return to City Engineer's 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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