Cross-Section of 3rd St. from No. line Upas Street to So. line University Ave. Page 1 to

Cross-Section of Alley in Block 6 Culvercrells Addition and Block 177 Hortons Addition Page 3 to 6 inclusive.

Levels along the North Curb line of "H" Street, from 24th. to 22nd. St. Page 28

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LEVEL

Levels along curbs of "A" St., from State to 7th. Streets. Page 29 to 30

Levels along curbs on Cedar St., from India St., to Park line. Page 31 to 35

Cross-Section Brooks Ave., from west line 5th. St, to Albatross St. Page 36 to

[illegible] Cross-Sections - Ivy St.

[illegible] of 1st to W. line Fifth [illegible]
[illegible]lumbia to Arctic

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.

MICROFILMED
DEC 7 1964

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
o		o		o		o	
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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3/11/03 Cross-section of 3rd St. from Upas to University

{Ramsey
Wilkinson Lambert

4th and Walnut					
B.M.	1.83		290.44	288.61	
	North line of Upas ✓				
E. line		5.2			285.24
Curb		5.3			285.14
1/4		5.4			285.04
Center		5.6			284.84
1/4		6.0			284.44
Curb		6.1			284.34
W. line		6.3			284.14
	25' North of Upas ✓				
W. line		6.2			284.24
Curb		5.8			284.64
1/4		5.5			284.94
Center		5.3			285.14
1/4		5.2			285.24
Curb		4.7			285.74
E. line		4.9			285.54

	50' North of Upas ✓				
E. line		4.5			285.94
Curb		5.1			285.34
1/4		5.4			285.04
Center		5.3			285.14
1/4		5.3			285.14
Curb		5.5			284.94
W. line		5.8			284.64
	75' North of Upas				
W. line		5.6			284.84
Curb		5.2			285.24
1/4		5.2			285.24
Center		5.1			285.34
1/4		5.4			285.04
Curb		5.0			285.44
E. line		4.5			285.94
	100' North of Upas				
E. line		4.4			286.04
Curb		5.2			285.2

1/4	5.3	285.14
Center	5.0	285.44
1/4	5.7	284.74
Curb	5.5	284.94
W. line	5.5	284.94
125' North of Upas		
W. line	5.1	285.34
Curb	5.6	284.84
↓ 2'	5.9	284.54
1/4	5.6	284.84
Center	5.1	285.34
1/4	5.3	285.1
↑ 2'	5.5	284.9
Curb	4.8	285.6
E. line	4.5	285.9
150' North of Upas		
E. line	4.3	286.1
Curb	4.7	285.7
Curb		
↑ 2'	5.5	284.9
1/4	5.4	285.0
Center	5.0	285.4
1/4	5.5	284.9
2'	5.7	284.7
↑ Curb	5.2	285.2
W. line	4.8	285.6
167' North of Upas = S. line Walnut		
W. line	5.1	285.3
Curb	5.0	285.4
↓ 2'	5.6	284.8
1/4	5.5	284.9
Center	4.9	285.5
1/4	5.3	285.1
2'	5.2	285.2
Curb	4.5	285.9
E. line	4.3	286.1
T. P.	2.50 4.96	287.98 285.48

T.P.	5.54	9.23	284.29	278.75

For sections bet. Walnut and Brooks, see Book

South line of Brookes

W. line	5.5	278.8
Curb	5.3	279.0
1/4	4.7	279.6
Centa	4.2	280.1
1/4	3.8	280.5
Curb	3.2	281.1
E. line	3.4	280.9

Curb, So. side of Brookes

E. line	4.5	279.8
Curb	3.9	280.4
1/4	4.0	280.3
Centa	4.5	279.8
1/4	4.6	279.7
Curb	5.2	279.1
W. line	5.9	278.4

1/4, So. Side of Brookes

W. line	6.1	278.2
Curb	5.6	278.7
1/4	4.6	279.7
Centa	4.4	279.9
1/4	4.4	279.9
Curb	3.9	280.4
E. line	4.5	279.8

Centa of Brookes

E. line	4.8	279.5
Curb	4.4	279.9
1/4	4.8	279.5
Centa	5.0	279.3
1/4	5.2	279.1
Curb	5.5	278.8
W. line	5.7	278.6

	1/4, No. Side of Brookes	
W. line	6.2	278.1
Curb	5.9	278.4
1/4	5.6	278.7
Centr	5.2	279.1
1/4	4.9	279.4
Curb	4.6	279.7
E. line	4.3	280.0
	Curb, No. Side of Brookes	
E. line	4.8	279.5
curb	4.9	279.4
1/4	5.2	279.1
Centr	5.2	279.1
1/4	5.4	278.9
curb	6.0	278.3
W. line	6.3	278.0
	North line of Brookes	
W. line	6.5	277.8
Curb	6.2	278.1
1/4	5.9	278.4
Centr	5.4	279.9
1/4	5.4	278.9
Curb	5.2	279.1
E. line	4.7	279.6
	50' North of Brookes	
E. line	5.3	279.0
curb	5.9	278.4
1/4	6.3	278.0
Centr	6.3	278.0
1/4	6.7	277.6
Curb	6.8	277.5
W. line	6.8	277.5
	100' North of Brookes	
W. line	8.2	276.1
Curb	7.7	276.6
1/4	7.5	276.8
Centr	7.1	277.2

1/4	6.6	277.7
Curb	6.5	277.8
E. line	6.0	278.3
125' North of Brookes		
E. line	6.4	277.9
Curb	6.7	277.6
1/4	6.7	277.6
Center	6.8	277.5
1/4	7.9	276.4
Curb	8.5	275.8
W. line	9.2	275.1
150' North of Brookes		
W. line	10.0	274.3
Curb	9.4	274.9
1/4	8.5	275.8
Center	7.7	276.6
1/4	7.5	276.8
Curb	6.9	277.4
E. line	6.3	278.0
175' North of Brookes		
E. line	6.3	278.0
Curb	6.8	277.5
1/4	7.0	277.3
Center	7.0	277.3
1/4	8.1	276.2
Curb	8.6	275.7
W. line	9.1	275.2
200' North of Brookes		
W. line	8.0	276.8
Curb	7.9	276.4
1/4	7.8	276.5
Center	7.7	276.6
1/4	7.2	277.1
Curb	6.7	277.6
E. line	6.4	277.9

225' North of Brookes

E. line	6.2	278.1
Curb	6.3	278.0
1/4	6.7	277.6
Centa	7.0	277.3
1/4	6.9	277.4
Curb	6.9	277.4
W. line	7.1	277.2

250' North of Brookes

W. line	6.4	277.9
Curb	6.1	278.2
1/4	6.0	278.3
Centa	6.3	278.0
1/4	6.2	278.1
Curb	5.6	278.7
E. line	5.8	278.5

275' North of Brookes

E. line	5.4	278.9
Curb	5.1	279.2
1/4	5.6	278.7
Centa	5.6	278.7
1/4	5.3	279.0
Curb	5.1	279.2
W. line	5.5	278.8

300' North of Brookes

W. line	4.9	279.4
Curb	4.9	279.4
1/4	5.2	279.1
Centa	5.2	279.1
1/4	5.2	279.1
Curb	4.7	279.6
E. line	4.6	279.7

325' North of Brookes

E. line	4.3	280.0
Curb	4.5	279.8
1/4	4.7	279.6
Centa	4.4	279.9

1/4	5.0	279.3
Curb	4.7	279.6
R. line	4.4	279.9
350' North of Brookes		
R. line	3.7	280.6
Curb	4.3	280.0
1/4	4.3	280.0
Center	4.2	280.1
1/4	4.3	280.0
Curb	4.2	280.1
B. line	4.0	280.3
375' North of Brookes		
B. line	3.7	280.6
Curb	4.0	280.3
1/4	3.8	280.5
Center	3.8	280.5
1/4	3.1	281.2
Curb	3.6	280.7
R. line	3.2	281.1
400' North of Brookes		
R. line	2.9	281.4
Curb	3.3	281.0
1/4	3.1	281.2
Center	3.2	281.2
1/4	3.5	280.8
Curb	3.7	280.6
B. line	3.6	280.7
425' North of Brookes		
B. line	2.7	281.6
Curb	2.6	281.7
1/4	2.9	281.4
Center	2.9	281.4
1/4	2.7	281.6
Curb	3.0	281.3
R. line	2.8	281.5

	450' North of Brooks	
W. line	2.9	281.4
Curb	3.2	281.1
1/4	3.1	281.2
Centr	2.9	281.4
1/4	3.0	281.3
Curb	2.6	281.7
E. line	2.6	281.7
	475' North of Brooks	
E. line	2.5	281.8
Curb	2.5	281.8
1/4	2.9	281.4
Center	3.2	281.1
1/4	3.7	280.6
Curb	3.8	280.5
W. line	3.5	280.8
	500' North of Brooks	
W. line	4.1	280.2
Curb	4.1	280.2
1/4	3.5	280.8
Centr	3.4	280.9
1/4	3.3	281.0
Curb	3.4	280.9
E. line	3.5	280.8
	525' North of Brooks	
E. line	3.7	280.6
Curb	4.2	280.1
1/4	4.3	280.0
Centr	4.2	280.1
1/4	4.3	280.0
C. Curb	4.2	280.1
W. line	4.1	280.2
	550' North of Brooks	
W. line	4.3	280.0
Curb	4.7	279.6
1/4	4.6	279.7
Centr	4.5	279.8

1/4		4.5		279.8
Curb		3.2		281.1
E. line		2.7		281.6
		575' North of Brooker		
E. line		3.3		281.0
Curb		3.1		281.2
1/4		4.4		279.9
Centr		4.6		279.7
1/4		4.8		279.5
Curb		4.8		279.5
N. line		4.6		279.7
T. R.	5.43	4.61	285.11	279.68
		South line of Thornton		
N. line		5.5		279.6
Curb		5.6		279.5
1/4		5.3		279.8
Centr		5.2		279.9
1/4		4.8		280.3

Curb	3.9	281.2
E. line	4.4	280.7
	Curb, So. Side of Thornton	
E. line	4.1	281.0
Curb	3.5	281.6
1/4	4.2	280.9
Centr	5.3	279.8
1/4	5.0	280.1
Curb	5.2	279.9
N. line	5.6	279.5
	1/4, So. Side of Thornton	
N. line	5.5	279.6
Curb	5.1	280.0
1/4	5.0	280.1
Centr	5.5	279.6
1/4	4.6	280.5
Curb	3.9	281.2
E. line	4.3	280.8

Center of Thornton

E. line	4.4	280.7
Curb	4.5	280.6
1/4	4.8	280.3
Center	5.4	279.7
1/4	5.2	279.9
Curb	5.3	279.8
W. line	5.3	279.8

1/4, No. Side of Thornton

W. line	5.4	279.7
Curb	5.7	279.4
1/4	5.5	279.6
Center	5.2	279.9
1/4	4.6	280.5
Curb	4.5	280.6
E. line	4.5	280.6

Curb No. Side of Thornton

E. line	4.4	280.7
Curb	4.5	280.6
1/4	5.7	281.4
Center	4.9	280.2
1/4	5.4	279.7
Curb	5.6	279.5
W. line	5.9	279.2

North line of Thornton

W. line	5.8	279.3
Curb	5.5	279.6
1/4	5.5	279.6
Center	4.8	280.3
1/4	3.8	281.3
Curb	4.4	280.7
E. line	3.9	281.2

25' North of Thornton

E. line	3.6	281.5
Curb	4.6	280.5
1/4	4.9	280.2
Center	5.4	279.7

1/4	5.4	279.7
Curb	5.6	279.5
W. line	5.8	279.3
50' North of Thornton		
W. line	5.9	279.2
Curb	5.1	280.0
1/4	4.3	280.8
Center	4.8	280.3
1/4	4.9	280.2
Curb	4.3	280.8
E. line	3.9	281.2
75' North of Thornton		
E. line	4.3	280.8
Curb	4.0	281.1
1/4	4.5	280.6
Center	5.0	280.1
1/4	4.6	280.5
Curb	4.7	280.4
W. line	5.5	279.6
100' North of Thornton		
W. line	5.6	279.5
Curb	4.8	280.3
1/4	4.3	280.8
Center	4.7	280.4
1/4	4.2	280.9
Curb	4.1	281.0
E. line	3.9	281.2
125' North of Thornton		
E. line	4.0	281.1
Curb	4.2	280.9
1/4	4.2	280.9
Center	4.9	280.2
1/4	4.9	280.2
Curb	5.0	280.1
W. line	5.3	279.8

150' North of Thornton

W. line	5.0	280.1
Curb	5.2	279.9
1/4	5.0	280.1
Centa	4.1	281.0
1/4	3.4	281.7
Curb	4.0	281.1
E. line	4.1	281.0

175' North of Thornton

E. line	4.1	281.0
Curb	4.3	280.8
1/4	4.4	280.7
Centa	4.5	280.6
1/4	5.2	279.9
Curb	5.2	279.9
W. line	5.4	279.7

200' North of Thornton

W. line	4.7	280.4
Curb	5.1	280.0
1/4	5.0	280.1
Centa	3.8	281.3
1/4	4.3	280.8
Curb	4.3	280.8
E. line	4.0	281.1

225' North of Thornton

E. line	3.7	281.4
Curb	3.1	282.0
1/4	3.2	281.9
Centa	4.4	280.7
1/4	4.5	280.6
Curb	5.0	280.1
W. line	4.5	280.6

250' North of Thornton

W. line	4.8	280.3
Curb	4.7	280.4
1/4	4.0	281.1
Centa	4.5	280.6

1/4	3.8	281.3
Curb	3.4	281.7
E. line	3.5	281.6
275' North of Thornton		
E. line	3.9	281.2
Curb	3.9	281.2
1/4	4.2	280.9
Center	3.6	281.5
1/4	3.5	281.6
Curb	4.7	280.4
W. line	4.7	280.4
300' North of Thornton		
W. line	4.6	280.5
Curb	3.8	281.3
1/4	3.7	281.4
Center	3.9	281.2
1/4	3.8	281.3
Curb	3.3	281.8

E. line	2.7	282.4
325 North of Thornton		
E. line	2.5	282.6
Curb	3.1	282.0
1/4	3.6	281.5
Center	3.3	281.8
1/4	3.4	281.7
Curb	3.6	281.5
W. line	4.1	281.0
350' North of Thornton		
W. line	4.1	281.0
Curb	3.8	281.3
1/4	3.5	281.6
Center	3.4	281.7
1/4	3.3	281.8
Curb	3.1	282.0
E. line	2.6	282.5

375' North of Thornton

E. line	2.6	282.5
Curb	3.0	282.1
1/4	3.0	282.1
Center	2.9	282.2
1/4	3.2	281.9
Curb	3.6	281.5
W. line	4.0	281.1

400' North of Thornton

W. line	3.5	281.6
Curb	3.4	281.7
1/4	3.2	281.9
Center	2.9	282.2
1/4	2.6	282.5
Curb	2.9	282.2
E. line	2.3	282.8

425' North of Thornton

E. line	2.0	283.1
Curb	2.6	282.5
1/4	2.1	283.0
Center	2.5	282.6
1/4	2.8	282.3
Curb	3.4	281.7
W. line	3.2	281.9

450' North of Thornton

W. line	2.8	282.3
Curb	3.0	282.1
1/4	2.6	282.5
Center	2.2	282.9
1/4	1.7	283.4
Curb	1.7	283.4
E. line	1.4	283.7

475' North of Thornton

E. line	1.3	283.8
Curb	1.9	283.2
1/4	1.7	283.4
Center	1.9	283.2

1/4	2.5		282.6
Curb	2.5		282.6
W. line	2.4		282.7
	500' North of Thornton		
W. line	2.3		282.8
Curb	2.4		282.7
1/4	1.9		283.2
Centa	1.7		283.4
1/4	1.4		283.7
Curb	1.9		283.2
E. line	1.6		283.5
	525' North of Thornton		
E. line	0.9		284.2
Curb	1.8		283.3
1/4	1.3		283.8
Centa	1.5		283.6
1/4	1.6		283.5
Curb	2.0		283.1
W. line	1.8		283.3
T. P.	5.62	1.29	289.44 283.82
	550' North of Thornton		
W. line	6.1		283.3
Curb	5.6		283.8
1/4	5.7		283.7
Centa	5.6		283.8
1/4	5.4		284.0
Curb	6.0		283.4
E. line	5.2		284.2
	575' North of Thornton		
E. line	5.0		284.4
Curb	5.9		283.5
1/4	4.9		284.5
Centa	5.4		284.0
1/4	5.7		283.7
Curb	5.8		283.6
W. line	6.1		283.3

South line of Robinson

W. line	6.1	283.3
Curb	6.2	283.2
1/4	5.8	283.6
Centa	5.3	284.1
1/4	5.1	284.3
Curb	5.1	284.3
E. line	4.3	285.1

Curb, So. Side of Robinson

E. line	4.4	285.0
Curb	5.0	284.4
1/4	4.9	284.5
Centa	5.2	284.2
1/4	5.7	283.7
Curb	6.3	283.1
W. line	6.4	283.0

1/4, So. Side of Robinson

W. line	6.0	~~283.4~~
Curb	5.8	283.6
1/4	5.3	284.1
Centa	5.0	284.4
1/4	4.9	284.5
Curb	4.7	284.7
E. line	4.5	284.9

Center of Robinson

E. line	4.3	285.1
Curb	4.5	284.9
1/4	4.9	284.5
Centa	4.9	284.5
1/4	5.3	284.1
Curb	5.6	283.8
W. line	5.8	283.6

1/4, No. Side of Robinson

W. line	6.1	283.3
Curb	5.6	283.8
1/4	5.2	284.2
Centa	5.0	284.4

1/4	4.9	284.5
Curb	4.9	284.5
E. line	4.8	284.6
Curb, No. side of Robinson		
E. line	5.1	284.3
Curb	5.3	284.1
1/4	5.1	284.3
Center	4.9	284.5
1/4	5.2	284.2
Curb	6.3	283.1
W. line	6.4	283.0
North line of Robinson		
W. line	6.3	283.1
Curb	6.2	283.2
1/4	5.5	283.9
Center	4.8	284.6
1/4	5.0	284.4
Curb	4.9	284.5
E. line	4.7	284.7
25' North of Robinson		
E. line	3.8	285.6
Curb	4.6	284.8
1/4	4.7	284.7
Center	4.6	284.8
1/4	5.3	284.1
Curb	6.1	283.3
W. line	6.3	283.1
50' North of Robinson		
W. line	6.1	283.3
Curb	5.7	283.7
1/4	5.1	284.3
Center	4.3	285.1
1/4	4.5	284.9
Curb	4.2	285.2
E. line	3.7	285.7

	75' North of Robinson	
E. line	3.2	286.2
Curb	4.1	285.3
1/4	4.2	285.2
Center	4.1	285.3
1/4	4.9	284.5
Curb	5.3	284.1
W. line	5.3	284.1
	100' North of Robinson	
W. line	5.4	284.0
Curb	5.2	284.2
1/4	4.7	284.7
Center	3.9	285.5
1/4	3.7	285.7
Curb	3.7	285.7
E. line	3.2	286.2
	125' North of Robinson	
E. line	3.2	286.2
Curb	3.8	285.6
1/4	3.9	285.5
Center	3.8	285.6
1/4	4.5	284.9
Curb	5.0	284.4
W. line	5.0	284.4
	150' North of Robinson	
W. line	5.2	284.2
Curb	4.7	284.7
1/4	4.2	285.2
Center	3.5	285.9
1/4	3.7	285.7
Curb	3.4	286.0
E. line	2.9	286.5
	175 North of Robinson	
E. line	2.7	286.7
Curb	3.1	286.3
1/4	3.7	285.7
Center	3.7	285.7

1/4	4.6	284.8
Curb	5.0	284.4
N. line	5.1	284.3

200' North of Robinson

N. line	4.9	284.5
Curb	5.0	284.4
1/4	4.5	284.9
Center	3.9	285.5
1/4	3.8	285.6
Curb	3.5	285.9
E. line	2.8	286.6

225' North of Robinson

E. line	2.8	286.6
Curb	Perp. { 3.0 / 3.7	286.4 / 285.7
1/4	3.8	285.6
Center	3.9	285.5
1/4	4.4	285.0
Curb	4.9	284.5
N. line	4.7	284.7
T. P.	4.54	3.96 / 290.02 / 285.48

250' North of Robinson

N. line	6.0	284.0
Curb	5.6	284.4
1/4	4.7	285.3
Center	4.5	285.5
1/4	4.3	285.7
Curb	Perp. { 4.3 / 3.7	285.7 / 286.3
E. line	3.7	286.3

275' North of Robinson

E. line	3.7	286.3
Curb	4.4	285.6
1/4	4.4	285.6
Center	4.4	285.6
1/4	4.6	285.4
Curb	5.1	284.9
N. line	5.4	284.6

300' North of Robinson

W. line	5.7	284.3
Curb	5.4	284.6
1/4	4.7	285.3
Center	4.4	285.6
1/4	4.4	285.6
Curb	4.0	286.0
E. line	3.9	286.1

325' North of Robinson

E. line	3.9	286.1
Curb	4.2	285.8
1/4	4.6	285.4
Center	4.6	285.4
1/4	4.5	285.5
Curb	5.0	285.0
W. line	5.7	284.3

350' North of Robinson

W. line	4.9	285.1
Curb	4.7	285.3
1/4	4.8	285.2
Center	4.6	285.4
1/4	4.8	285.2
Curb	4.3	285.7
E. line	4.2	285.8

375' North of Robinson

E. line	4.3	285.7
Curb	4.5	285.5
1/4	4.7	285.3
Center	4.7	285.3
1/4	5.0	285.0
Curb	5.2	284.8
W. line	5.8	284.2

South line of University

W. line	5.2	284.8
Curb	5.3	284.7
1/4	5.1	284.9
Center	4.7	285.3

1/4		4.9			285.1
Curb		4.6			285.4
E. line		4.5			285.5
T. P.	5.31	2.48	292.85	287.54	
5th & University B. M.		2.98		289.87	

3/14/03 Cross-Section of alley in Block 177, Hortons add. and Block 66 Culverwell

{ Ramsey
{ Wilkinson
{ Lumbert

B.M.	9.87		68.29	58.42	15th	and D	
T.P.	10.02	0.02	78.29	68.27			
Sta.	North		Center		South		
0	6.3	72.0	7.2	71.1	7.4	70.9	West line of 15th St.
+25	4.5	73.8	6.3	72.0	6.8	71.5	
+50	4.6	73.7	5.9	72.4	6.2	72.1	
+75	4.5	73.8	5.2	73.1	5.4	72.9	
1	4.4	73.9	5.0	73.3	5.3	73.0	
+25	4.6	73.7	4.9	73.4	5.1	73.2	
+50	4.7	73.6	5.3	73.0	5.3	73.0	
+75	4.7	73.6	5.2	73.1	5.4	72.9	
2	4.3	74.0	4.9	73.4	5.8	72.5	
+25	3.5	74.8	4.3	74.0	5.4	72.9	
+50	2.0	76.3	2.7	75.6	3.7	74.6	
+75	0.5	77.8	1.9	76.4	3.0	75.3	
3	0.5	77.8	2.0	76.3	3.3	75.0	
+25	1.6	76.7	2.8	75.5	4.1	74.2	

Hold and Void

Sta.	North		Center		South		
+50	4.2	74.1	5.3	73.0	7.4	70.9	
+75	8.6	69.7	9.8	68.5	11.2	67.1	
T. P.	+1.17	-8.08	71.38	70.21			
4	5.[illegible]	66.3	5.8	65.6	7.4	64.0	East line of 142th St.
T. P.	1.01	-9.98	62.41	61.40			
" "	3.75	-8.79	57.37	53.62			
B. M.		5.87		51.50 dp			142th and Fa

Null and Void

3/14/03 Cross-Section of alley in Block 6, Culverwell's add. and Block 177 Hortons

Pinney
Wilkinson
Lambert

B.M.	0.76		52.27	51.51		142th and F	
Sta.	North		Center		South		
0	4.6	47.7	4.9	47.4	4.8	47.5	East line of 142th St.
+25	5.7	46.6	5.9	46.4	5.8	46.5	
+50	6.7	45.6	6.7	45.6	6.8	45.5	
+75	7.3	45.0	7.4	44.9	7.2	45.1	
1	7.1	45.2	8.0	44.3	7.9	44.4	
+25	7.5	44.8	8.4	43.9	7.6	44.7	
+50	6.8	45.5	7.9	44.4	9.7	42.6	
+75	9.7	42.6	11.5	40.8	11.0	41.3	
2	9.3	43.0	10.1	42.2	11.2	41.1	
+25	9.4	42.9	9.0	43.3	11.6	40.7	
T.P.	2.67	12.27	42.67	40.00			
+50	3.1	39.6	3.1	39.6	2.5	40.2	
+75	5.2	37.5	4.3	38.4	4.3	38.4	
3	6.1	36.6	4.7	38.0	4.2	38.5	
+25	6.5	36.2	5.2	37.5	4.2	38.5	
+50	6.6	36.1	5.1	37.6	3.4	39.3	

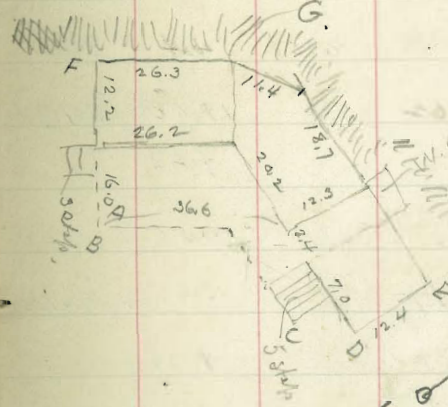
Sta.	North		Center		South		
+75	6.0	36.7	5.1	37.6	3.4	39.3	
4	5.2	37.5	5.2	37.5	3.9	38.8	West line of 15th St.

3/21/03 Lavels along the North
Primsey Curb line of H St. from
Wilkinson 24th to 22nd Sts.
Lambert

	+	⊙	−	Rod	Elev.
24th and H B.M.	3.67	127.89			124.22
W. line 24th ↓0				0.9	127.0
+50				2.4	125.5
1				4.3	123.6
+50				5.8	122.1
2				7.2	120.7
+50				8.5	119.4
3				9.6	118.3
T.P.	2.65	120.23	10.31		117.58
+50				3.0	117.2
+75				on curb 3.81	116.42
E. line 22nd ↓4				on curb 4.17	116.06
22nd & H B.M.			4.76		115.47

at high tide 9.50 am 8/5/03.

	B.S.	F.S.		
	8.11		12.50	4.4
		0.62		11.89 at A.
		3.98		8.53 at B.
		4.55		7.96 at C.
		4.57		7.94 at D.
		4.10		8.41 at E.
		0.82		11.68 at F.
T.P.	3.48	0.19	16.80	12.32
		1.13		14.67 at G.



(1) sign on which is painted the following.

KEEP AWAY!
FROM the BANK
Danger from Caving.

10/6/03 {Anderson, McAuliff, Lambert} Levels along curbs F St. from State to 7th

Sta	Rod	H.I.	ELv	Rod	N. curb	Remarks	Rod	S. curb	Remarks
B.M.	+8,47	46.90	38,43		ELv			ELv	
0.	State			9,45	37.45	Top of curb	10.40	36,50	E side of State st
1.				7.40	39.50		7,40	39,50	
2				4,57	42.33	Top of curb	5,07	41.83	Top of curb
+75	Union			3,95	42.95	Top of curb	4,73	42.17	Top of curb
3+65	-1.80			1,20	45.70	Top of curb	2,80	44.10	
T.P. ⊙	-0.05		46,85						
4,+55	+6,09	52.94		4,97	47.94	Top of curb	5,92	47.02	Top of curb
5+35	Front			4,40	48.54	" " "	5,40	46.54	" " "
6+35				4,90	48,04		5,60	47.34	
7+35				3,45	49.49	Top of curb	4,93	48.01	Top of curb
8+15	First			2,94	50,00	Top of curb	4,91	48.03	" " "
9+15				0,20	52.74		2,20	50.74	
T.P. ⊙	-0.18		52.76						
10+15	+10.80	63.56		8,00	55.56	Top of curb	10,10	53.46	
10+95	Second			9.60	53.96		8.30	55.26	
11+95				5,30	58,26		6.30	57.26	

Levels on A st continued

Sta	Rod	H.I.	Elv	Rod	Elv	Remarks	Rod	Elv	Remarks
		63.56			North curb			South curb	
12+95				3.10	60.46	Top of curb	3.58	59.98	Top of curb
13+75	Third st			2.55	61.01	" " "	3.12	60.44	" " "
14+75				2.85	60.71	" " "	4.30	59.26	
15+75				3.10	60.46	" " "	5.10	58.06	Top of curb.
16+55	Fourth st			3.20	60.36	" " "	5.15	58.41	" " "
T.P. ⊙	-1.93								
17+55	+10.54	72.17		9.40	62.77		9.60	62.57	
18+55				4.35	67.82	Top of curb	6.50	65.67	Top of curb
19+35	Fifth st			4.36	67.81	" " "	6.47	65.70	" " "
T.P. ⊙	-0.28		71.89						
20+35	+12.76	84.65		10.00	74.65		12.30	72.35	Top of curb.
21+35				3.45	81.20		5.65	79.00	" " "
22+15	Sixth st			1.68	82.97		4.92	79.73	" " "
T.P. ⊙	-0.17		84.48						
23+15	+12.15	96.63		6.90	89.73		9.70	86.93	
24+15				0.25	96.38	Top of curb	2.27	94.36	Top of curb W. side of 7. st
	Seventh								

10/6/03 Anderson Metcalfe Lambert

Levels along curb lines on Cedar st from India to Park line

Sta	Rod	H.I.	Elv.	Rod	Elv	Remarks	Rod	S. curb	Remarks
B.M.	+0.35	63.66	63.31		N. curb				
T.P.	-12.17		51.49						
	+0.84	52.33							
T.P.	-12.55		39.78						
	+10.93	50.71							
	India								
0				13.50	37.21		13.40	37.31	E side of India st
1.				8.90	41.81		8.90	41.81	
2.				4.80	45.91		5.00	45.71	
	Columbia st								
+75				2.70	48.01		2.70	48.01	
T.P.	-0.00		50.71						
	+12.62	63.33							
3+75				11.50	51.83		11.50	51.83	curb
4+75				6.60	56.73		7.50	55.83	
5+50	State st			4.30	59.03	Top of curb	6.34	56.99	Top of curb
6+50				1.80	61.53		3.33	60.00	
	-0.28		63.05						
	+8.77	71.82							

Levels on Cedars st continued.

Sta	Rod	H.I.	Elv	Rod	Elv	Remarks	Rod	Elv	Remarks
		71.82			N. curb			S. curb	
7+50				7.80	64.02	Top of curb	8.77	63.05	
8+25	Union st.			6.80	65.02		7.90	63.92	
9+15	180 ft ~			9.80	62.02	Top of curb	9.90	61.92	
10+05				10.50	61.32		12.80	59.02	
10+85	Front			9.45	62.37		11.45	60.37	
11+85				6.85	64.97	Top of curb	7.85	63.97	Top of curb
12+85				3.45	68.37		3.83	67.99	Top of curb
13+65	Line			1.17	70.65		1.73	70.09	" " "
T.P. 0	-0.60		71.22						
	+12.90	84.12							
14+65				5.50	78.62		6.50	77.62	
T.P. 0	-0.50		83.62						
	+12.85	96.47							
15+65	Second			8.90	87.57		11.50	84.97	Top of curb
16+45				5.50	90.97		8.45	88.02	" " "
T.P. 0	0.11		96.36						

Levels on Cedar st continued

St	Rod	H.I.	Elv	Rod	Elv	Remarks	Rod	Elv	Remarks
	+12.35	108.71	96.36		N. curb			S. curb	
17+45				9.00	99.71	Top of curb	12.20	96.51	Top of curb
18+45				0.70	108.01		3.73	104.98	" " "
T.P. 0	-0.56		108.15						
	+5.80	113.95							
	Third st								
19+25				4.00	109.95		7.25	106.70	
20+25				3.75	110.20		6.20	107.75	
21+25				3.45	110.50		5.45	108.50	
22+05	Fourth st			2.98	111.03		4.95	109.00	
T.P. 0	-0.55		113.40						
	+7.52	120.92							
23+05				6.30	114.62	Top of curb	8.42	112.50	Top of curb
24+05				2.50	118.42	Top of curb	4.98	115.94	" " "
24+85	Fifth			3.05	117.87		4.96	115.94	" " "
T.P. 0	-0.48		120.44						
	+12.59	133.03							
25+85				9.80	123.23		12.00	121.03	

Levels on cedar st. continued

10/7/06. {Anderson / Davis

Sta	Rod	H.I.	Elv	Rod	Elv	Remarks	Rod	Elv	S. curb. Remarks
		133.03			N. curb			S. curb.	Remarks
26+85				7.30	125.73	Top of curb	8.72	124.31	Top of curb
	-4.02		129.01			Pt on curb NE cor. 6th st			
	+11.67	140.68							
	Sixth.								
27+65				11.67	129.01	Top of curb	13.65	127.03	Top of curb
T.P. ⊙	-0.67		140.01						
	+12.76	152.77							
28+65				9.25	143.52	Top of curb	9.65	143.12	Top of curb
T.P. ⊙	-0.72		152.05						
	+12.23	164.28							
29+65				6.27	158.01	Top of curb	5.29	158.99	Top of curb
	Seventh.								
30+45				3.27	161.01		2.25	162.03	" " "
31+45				2.63	161.65		2.80	161.48	
32+45				4.50	159.78		4.50	159.78	
T.P. ⊙	-5.33		158.95						
	+1.86	160.81							
	Eighth.								
33+25				3.84	156.97		3.90	156.91	

Levels on Cedar st continued

Sta	Rod	H.I.	Elv	Rod	N curb Elv	Remarks	Rod	S. curb Elev	Remarks
34+25		160,81		7,30	153.51		8,37	152.31	
35+25				10,00	150.81		12,20	148.61	
36+05	Ninth	FINISH.		10,40	150.41		12,40	148.41	
37+05				12,50	148.31		13,20	147.61	
T.P. ⊙	-12,47		148.34						
	+0,98	149.32							
T.P. ⊙	-12,92		136.40						
	+0,51	136.91							
38+05				11,00	125.91		11.40	125.51	
T.P. ⊙	-12,27		124.64						
	+0.64	125.28							
38+85	Tenth.			3,57	121.71	Top of curb	3,58	121.70	
T.P. ⊙	-12,48		112.80						
	+0,79	113.59							
39+85				14.10	99.49	Park line	14.40	99.19	Park line

10/9/03 { d'Hemecourt, Alverson, Fortner, Davis

Cross-section, Brooks Av. 5th to Alabama

Bm	~~280.30~~ +9.01	289.34	280.33

West line of 5th. St.

So. line	8.8	✓ 280.5
Cent	8.9	✓ 280.4
1/4	9.4	✓ 279.9
Center	9.1	✓ 280.2
1/4	9.0	✓ 280.3
Cent	8.9	✓ 280.4
No. line	8.7	✓ 280.6

25' W. of 5th.

No. line	7.7	✓ 281.6
Cent	8.0	✓ 281.3
1/4	8.5	✓ 280.8
Center	8.5	✓ 280.8
1/4	8.4	✓ 280.9
Cent	8.1	✓ 281.2
So. line	7.6	✓ 281.7

50 ft. W. of 5th.

So. line	6.4	✓ 282.9
Cent	7.1	✓ 282.2
1/4	7.4	✓ 281.9
Center	7.7	✓ 281.6
1/4	8.0	✓ 281.3
Cent	7.4	✓ 281.9
No. line	7.0	✓ 282.3

75' W. of 5th.

No. line	6.3	✓ 283.0
Cent	6.6	✓ 282.7
1/4	7.3	✓ 282.0
Center	6.9	✓ 282.4
1/4	7.0	✓ 282.3

Cent	6.6	✓ 282.7
So. line	6.1	✓ 283.2

100 ft. W. of 5th.

So. line	5.9	✓ 283.4
Cent	6.5	✓ 282.8
1/4	6.7	✓ 282.6
Center	6.5	✓ 282.8
1/4	7.0	✓ 282.3
Cent	6.0	✓ 283.3
No. line	5.5	✓ 283.8

125 ft. W. of 5th.

No. line	5.0	✓ 284.3
Cent	5.6	✓ 283.7
1/4	6.4	✓ 282.9
Center	6.0	✓ 283.3
1/4	6.1	✓ 283.2

Cent	6.2	✓ 283.1
So. line	5.5	✓ 283.8

135' W. of 5th

So. line	5.3	✓ 284.0
Cent	5.8	✓ 283.5
1/4	6.0	✓ 283.3
Center	5.7	✓ 283.6
1/4	5.9	✓ 283.4
Cent	5.4	✓ 283.9
No. line	4.8	✓ 284.5

150 ft. W. of 5th

No. line	4.9	✓ 284.4
Cent	5.4	✓ 283.9
1/4	5.5	✓ 283.8
Center	5.2	✓ 284.1
1/4	5.5	✓ 283.8

Cent	5.6	✓ 283.7
So. line	4.8	✓ 284.5

160 ft. W. of 5th.

So. line	4.3	✓ 285.0
Cent	5.4	✓ 283.9
1/4	5.3	✓ 284.0
Center	5.1	✓ 284.2
1/4	5.4	✓ 283.9
Cent	5.2	✓ 284.1
No. line	4.9	✓ 284.4

185 ft. W. of 5th.

No. line	4.8	✓ 284.5
Cent	4.9	✓ 284.4
1/4	5.2	✓ 284.1
Center	5.0	✓ 284.3
1/4	5.1	✓ 284.2
Cent		
So. line	4.9	✓ 284.4
So. line	4.2	✓ 285.1

210 ft. W. of 5th.

So. line	4.8	✓ 284.5
Cent	5.1 ~~4.8~~	✓ 284.2
1/4	5.2	✓ 284.1
Center	4.7 ~~5.1~~	✓ 284.6
1/4	5.0 ~~4.7~~	✓ 284.3
Cent	4.8 ~~5.0~~	✓ 284.5
No. line	4.6	✓ 284.7

235 ft. W. of 5th.

No. line	4.6	✓ 284.7
Cent	5.0	✓ 284.3
1/4	5.2	✓ 284.1
Center	4.8	✓ 284.5
1/4	5.2	✓ 284.1
Cent	5.2	✓ 284.1

So. line	4.4	✓ 284.9

260 ft. W. of 5th

So. line	5.0	✓ 284.3
Cent	5.3	✓ 284.0
1/4	5.2	✓ 284.1
Center	4.9	✓ 284.4
1/4	5.2	✓ 284.1
Cent	5.1	✓ 284.2
No. line	4.8	✓ 284.5

East line of 4th

No. line	5.2	✓ 284.1
Cent	5.7	✓ 283.6
1/4	5.3	✓ 284.0
Center	5.4	✓ 283.9
1/4	5.5	✓ 283.8
Cent	5.4	✓ 283.9

So. line	5.3	✓ 284.0

West line of 4th.

So. line	5.8	✓ 283.5
Cent	5.9	✓ 283.4
1/4	6.0	✓ 283.3
Center	6.4	✓ 282.9
1/4	6.8	✓ 282.5
Cent	6.3	✓ 283.0
No. line	5.8	✓ 283.5

25 ft. W. of 4th.

No. line	6.4	✓ 282.9
Cent	6.6	✓ 282.7
1/4	7.2	✓ 282.1
Center	7.0	✓ 282.3
1/4	6.9	✓ 282.4
Cent	6.6	✓ 282.7

So. line	6.3		✓ 283.0
T. P.	2.87	6.96	285.25 282.38

50 ft. W. of 4th.

So. line	2.8	✓283.0
Curb	2.8	✓282.5
1/4	3.0	✓282.3
Center	3.2	✓282.1
1/4	3.5	✓281.8
Curb	2.8	✓282.5
No. line	2.8	✓282.5

75 ft. W. of 4th.

No. line	3.2	✓282.1
Curb	3.4	✓281.9
1/4	3.6	✓281.7
Center	3.4	✓281.9
1/4	3.3	✓282.0
Curb	3.0	✓282.3

So. line	2.9	✓282.4

100 ft. W. of 4th.

So. line	3.0	✓282.3
Curb	3.3	✓282.0
1/4	3.6	✓281.7
Center	3.8	✓281.5
1/4	4.0	✓281.3
Curb	3.8	✓281.5
No. line	3.5	✓281.8

East line of alley

No. line	4.0	✓281.3
Curb	3.9	✓281.4
1/4	3.7	✓281.6
Center	3.8	✓281.5
1/4	3.7	✓281.6
Curb	3.5	✓281.8

So. line	2.8	✓282.5

West line of alley

So. line	3.4	✓281.9
Cent	3.7	✓281.6
1/4	3.6	✓281.7
Center	3.9	✓281.4
1/4	3.7	✓281.6
Cent	3.8	✓281.5
No. line	4.1	✓281.2

185' W of 4th.

No. line	4.6	✓280.7
Cent	4.6	✓280.7
1/4	4.3	✓281.0
Center	4.2	✓281.1
1/4	3.6	✓281.7
Cent	3.1	✓282.2

So. line	2.5	✓282.8

210 ft. W. of 4th

So. line	2.3	✓283.0
Cent	3.6	✓281.7
1/4	4.1	✓281.2
Center	4.5	✓280.8
1/4	3.9	✓281.4
Cent	4.8	✓280.5
No. line	4.9	✓280.4

235 ft. W. of 4th

No. line	5.1	✓280.2
Cent	4.8	✓280.5
1/4	4.5	✓280.8
Center	4.8	✓280.5
1/4	4.4	✓280.9
Cent	4.1	✓281.2

So. line	2.9	✓282.4

260 ft. W. of 4th.

So. line	3.6	✓281.7
Cent	4.7	✓280.6
1/4	5.0	✓280.3
Center	5.1	✓280.2
1/4	5.3	✓280.0
Cent	5.5	✓279.8
No. line	5.8	✓280.0

East line of 3d.

No. line	5.6	✓279.7
Cent	5.8	✓279.5
1/4	5.4	✓279.9
Center	5.7	✓279.6
1/4	5.6	✓279.7
Cent	5.5	✓279.8

So. line	4.5	✓280.8

West line of 3d.

So. line	6.5	✓278.8
Cent	6.7	✓278.6
1/4	7.1	✓278.2
Center	6.9	✓278.4
1/4	7.2	✓278.1
Cent	7.2	✓278.1
No. line	7.5	✓277.8

25 ft. W. of 3d.

No. line	7.9	✓277.4
Cent	7.7	✓277.6
1/4	7.8	✓277.5
Center	7.7	✓277.6
1/4	7.8	✓277.5
Cent	7.3	✓278.0

So. line	7.0		✓ 278.3
	50 ft. W. of 3d;		
So. line	6.9		✓ 278.4
Curb	7.4		✓ 277.9
1/4	8.2		✓ 277.1
Center	8.1		✓ 277.2
1/4	8.6		✓ 276.7
Curb	8.8		✓ 276.5
No. line	8.8		✓ 276.5
	75 ft. W. of 3d.		
No. line	8.7		✓ 276.6
Curb	8.7		✓ 276.6
1/4	8.8		✓ 276.5
Center	8.2		✓ 277.1
1/4	8.7		✓ 276.6
Cnt.	8.6		✓ 276.7

So. line		8.4		✓ 276.9
T.P.	1.02	8.65	277.62	276.60
Bm. x		0.72		
BM x	0.72			
	100 ft. W. of 3d.			
So. line		1.3		✓ 276.3
Curb		1.9		✓ 275.7
1/4		1.9		✓ 275.7
Center		1.9		✓ 275.7
1/4		1.5		✓ 276.1
Cnt.		1.6		✓ 276.0
No. line		1.5		✓ 276.1
	East line of Alley			
No. line		2.6		✓ 275.0
Cnt.		2.9		✓ 274.7
1/4		3.2		✓ 274.4

Center	3.4	274.2
1/4	3.1	274.5
Curb	2.8	274.8
So. line	2.7	274.9

West line of alley

So. line	2.9	274.7
Curb	2.9	274.7
1/4	3.3	274.3
Center	3.7	273.9
1/4	3.9	273.7
Curb	3.5	274.1
No line	4.4	273.2

100 ft. E. of 2d.

No. line	5.0	272.6
Curb	4.3	273.3
1/4	4.3	273.3
Center	4.4	273.2
1/4	4.7	272.9
Curb	4.0	273.6
So. line	3.9	273.7

75 ft. E. of 2d.

So. line	5.0	272.6
Curb	4.9	272.7
1/4	5.2	272.4
Center	5.2	272.4
1/4	4.8	272.8
Curb	4.6	273.0
No. line	5.7	271.9

50 ft. East of 2d.

No. line	6.4	271.2
Curb	6.3	271.3
1/4	6.0	271.6

Center		5.7		✓ 271.9
1/4		5.8		✓ 271.8
Curb		6.1		✓ 271.5
So. line		6.4		✓ 271.2
T.P.	0.53	8.10	270.03	269.50

25 ft. E. of 2d.

So. line		0.8		✓ 269.2
Curb		1.0		✓ 269.0
1/4		0.6		✓ 269.4
Center		0.7		✓ 269.3
1/4		0.8		✓ 269.2
Curb		0.6		✓ 269.4
No. line		1.3		✓ 268.7

East line of 2d. ✓

No. line	4.2	Void
Curb	2.8	
1/4	3.3	

Center	3.1	
1/4	3.2	Void
Curb	3.3	
So. line	3.5	

Curb line E. side 2d. ✓

So. line	4.6	
Curb	4.2	
1/4	4.0	Void
Center	4.0	
1/4	4.1	
Curb	4.5	
No. line	5.0	

1/4 - east side 2d. ✓

No. line	6.4	Void
Curb	5.4	
1/4	5.1	

Center	5.2	
1/4	4.7	Void
Cent	4.9	
So. line	5.4	

Center line of 2d. ✓

So. line	5.4	
Cent	5.7	
1/4	5.7	Void
Center	6.0	
1/4	6.2	
Cent	6.9	
No. line	7.0	

1/4 line W. side of 2d. ✓

No. line	8.2	
Cent	7.8	Void
1/4	7.3	

Center	6.8	Void
1/4	6.6	
Cent	6.5	
So. line	6.3	

Cent line W. side 2d.

So. line	6.5	✓ 263.5
Cent	7.3	✓ 262.7
1/4	7.5	✓ 262.5
Center	7.6	✓ 262.4
1/4	8.9	✓ 261.1
Cent	9.5	✓ 260.5
No. line	10.8	✓ 259.2

West line of 2d.

No. line	14.4	✓ 255.6
Cent	13.0	✓ 257.0
1/4	11.0	✓ 259.0

10/10/03 Alverson, Forshier, Davis, John Doe

Center		9.5		260.5
1/4		7.7		262.3
Curb		7.6		262.4
So. line		6.7		263.3
T.P.	1.15	4.06	267.12	265.97

East line of 2d.

No. line	1.6	265.5
Curb	1.4	265.7
1/4	0.9	266.2
Center	0.7	266.4
1/4	0.8	266.3
Curb	0.9	266.2
So. line	0.3	266.8

Curb line E side 2d

So. line	1.9	265.2
Curb	1.7	265.4
1/4	1.4	265.7

Center	1.8	265.3
1/4	1.6	265.5
Curb	2.1	265.0
No. line	2.1	265.0

1/4 east side 2d.

No. line	3.8	263.3
Curb	2.8	264.3
1/4	2.7	264.4
Center	2.6	264.5
1/4	2.2	264.9
Curb	2.3	264.8
So. line	2.5	264.6

Center line 2d.

So. line	2.7	264.4
Curb	3.1	264.0
1/4	3.1	264.0

Center	3.1	✓264.0
1/4	3.6	✓263.5
Curb	4.2	✓262.9
No. line	4.7	✓262.4

1/4 West side 2d

No. line	4.0	✓262.1
Curb	4.8	✓262.3
1/4	4.5	✓262.6
Center	4.0	✓263.0
1/4	3.8	✓263.3
Curb	3.7	✓263.4
So. line	3.4	✓263.7

25 ft West 2d.

So. line	4.6	✓262.5
Curb	5.0	✓262.10
1/4	5.5	✓261.6

Center	6.7	✓260.4
1/4	10.0	✓257.10
Curb	11.7	✓256.4
No. line	14.0	✓253.1

50 ft. West 2d.

No. line	14.0	✓253.1
Curb	12.8	✓254.3
1/4	11.7	✓255.4
Center	9.7	✓257.4
1/4	8.4	✓258.7
Curb	7.8	✓259.3
So. line	8.3	✓258.8

75 ft West 2d.

So. line	8.4	✓258.7
Curb	8.9	✓258.2
1/4	9.5	✓257.6

Center	9.7	✓ 257.4
1/4	10.0	✓ 257.10
Curb	11.0	✓ 256.10
No. line	12.1	✓ 255.8

100' West 2d.

No. line	10.2	✓ 256.9
Curb	9.5	✓ 257.6
1/4	9.2	✓ 257.9
Center	8.8	✓ 258.3
1/4	8.2	✓ 258.9
Curb	8.0	✓ 259.1
So. line	7.2	✓ 259.9

130 ft. West 2d. = E line alley

So. line	5.0	✓ 262.1
Curb	5.6	✓ 261.5
1/4	6.6	✓ 260.5
Center	7.2	✓ 259.9
1/4	8.3	✓ 258.8
Curb	9.1	✓ 258.0
No. line	9.3	✓ 257.8

145 ft. West 2d. = W. line alley

No. line	8.8	✓ 258.3
Curb	8.4	✓ 258.7
1/4	7.1	✓ 260.0
Center	6.4	✓ 260.7
1/4	5.6	✓ 261.5
Curb	5.0	✓ 262.10
So. line	4.4	✓ 262.7
T.P	1.48	5.65 262.95 261.47

175 ft. West 2d.

So. line	1.3	✓ 261.6
Curb	1.5	✓ 261.4

1/4	1.8	✓ 261.1
Center	2.1	✓ 260.8
1/4	2.9	✓ 260.0
Curb	3.7	✓ 259.2
No. line	3.9	✓ 259.0

200 ft. West 2d.

No. line	3.6	✓ 259.3
curb	3.6	✓ 259.3
1/4	3.5	✓ 259.4
Center	3.1	✓ 259.8
1/4	2.9	✓ 260.0
Curb	2.6	✓ 260.3
So. line	2.0	✓ 260.9

225 ft West 2d.

So line	4.0	✓ 258.9
curb	4.3	✓ 258.6
1/4	4.1	✓ 258.8
Center	4.3	✓ 258.6
1/4	4.4	✓ 258.5
Curb	4.6	✓ 258.3
No. line	4.0	✓ 258.9

250 ft. West 2d.

No. line	4.7	✓ 258.2
Curb	5.3	✓ 257.6
1/4	5.3	✓ 257.6
Center	5.4	✓ 257.5
1/4	5.7	✓ 257.2
Curb	6.0	✓ 256.9
So. line	5.7	✓ 257.2

East line 1st.

So. line	7.4	✓ 255.5
Curb	7.4	✓ 255.5

1/4	7.2	✓ 255.7
Center	7.0	✓ 255.9
1/4	6.7	✓ 256.2
Cent	6.6	✓ 256.3
No. line	5.9	✓ 257.0

Cent East side 1st

No. line	6.7	✓ 256.2
Cent	7.1	✓ 255.8
1/4	7.4	✓ 255.5
Center	7.5	✓ 255.4
1/4	7.7	✓ 255.2
Cent	7.7	✓ 255.2
So. line	7.9	✓ 255.0

1/4 East side 1st

So. line	8.4	✓ 254.5
Cent	7.9	✓ 255.0

1/4	7.9	✓ 255.0
Center	8.0	✓ 254.9
1/4	7.8	✓ 255.1
Cent	7.3	✓ 255.6
No. line	7.0	✓ 255.9

Center 1st.

No. line	7.4	✓ 255.5
Cent	7.8	✓ 255.1
1/4	8.1	✓ 254.8
Center	8.3	✓ 254.6
1/4	8.2	✓ 254.7
Cent	8.0	✓ 254.9
So. line	8.6	✓ 254.3

1/4 West side 1st.

So. line	9.2	✓ 253.7
Cent	8.9	✓ 254.0

1/4		8.8	✓254.1
Center		8.5	✓254.4
1/4		8.5	✓254.4
Curb		8.3	✓254.6
No. line		8.1	✓254.8

Curb West side 1st.

No. line		8.5	✓254.4
Curb		8.8	✓254.1
1/4		9.9	✓253.9
Center		9.1	✓253.8
1/4		9.3	✓253.6
Curb		9.6	✓253.3
So. line		9.4	✓253.5

West line 1st.

So. line		9.3	✓253.6
Curb		9.7	✓253.2
1/4		9.7	✓253.2
Center		9.5	✓253.4
1/4		9.2	✓253.7
Curb		9.0	✓253.9
No. line		8.8	✓254.1
T.R.	2.01	9.90	✓255.06 253.05

25 ft West 1st.

No. line		1.8	✓253.3
Curb		2.2	✓252.9
1/4		2.2	✓252.9
Center		2.6	✓252.5
1/4		2.7	✓252.4
Curb		2.5	✓252.6
So. line		2.4	✓252.7

50 ft West 1st

So. line		2.9	✓252.2

Cent	3.8	✓251.3
1/4	3.4	✓251.7
Center	3.4	✓251.7
1/4	2.9	✓252.2
Cent	2.6	✓252.5
No. line	2.4	✓252.7

75 ft. West 1st

No. line	2.6	✓252.5
Cent	2.9	✓252.2
1/4	3.1	✓252.0
Center	3.9	✓251.2
1/4	3.7	✓251.4
Cent	3.7	✓251.4
So. line	3.6	✓251.5

100 ft West 1st

So. line	4.2	✓250.9

Cent	4.3	✓250.8
1/4	3.7	✓251.4
Center	4.1	✓251.0
1/4	3.2	✓251.9
Cent	2.9	✓252.2
No. line	2.7	✓252.4

130 ft West 1st = E side alley

No. line	3.4	✓251.7
Cent	3.4	✓251.7
1/4	3.7	✓251.4
Center	4.5	✓250.6
1/4	4.5	✓250.6
Cent	5.2	✓249.9
So. line	4.8	✓250.3

145 ft West 1st = W. side alley

So. line	5.2	✓249.9

Cent	5.6	✓249.5
1/4	5.2	✓249.9
Center	4.9	✓250.2
1/4	4.4	✓250.7
Cent	4.2	✓250.9
No. line	3.9	✓251.2

175 ft West 1st.

No. line	4.8	✓250.3
Cent	4.7	✓250.4
1/4	5.0	✓250.1
Center	5.6	✓249.5
1/4	5.8	✓249.3
Cent	6.0	✓249.1
So. line	6.0	✓249.1

200 ft West 1st

So. line	5.9	✓249.2

Cent	6.0	✓249.1
1/4	6.1	✓249.0
Center	6.1	✓249.0
1/4	5.4	✓249.7
Cent	5.1	✓250.0
No. line	5.2	✓249.9

225 ft West 1st

No. line	5.7	✓249.4
Cent	5.8	✓249.3
1/4	6.0	✓249.1
Center	6.6	✓248.5
1/4	6.6	✓248.5
Cent	6.7	✓248.4
So. line	6.3	✓248.8

250 ft West 1st

So. line	10.6	✓244.5
	7.7	✓247.4

Curb	7.4	✓ 247.7
1/4	7.2	✓ 247.9
Center	7.0	✓ 248.1
1/4	6.6	✓ 248.5
Curb	6.5	✓ 248.6
No. line	6.6	✓ 248.5

275 ft West 1st.

No. line	9.0	✓ 246.1
Curb	8.6	✓ 246.5
1/4	8.6	✓ 246.5
Center	8.6	✓ 246.5
1/4	9.0	✓ 246.1
Curb	9.7	✓ 245.4
So. line	12.5	✓ 242.6

Levels on Cedar from Front to 2nd
{ Davis
{ Fortiner 1/25/04

Sta	−	+	I.H	Rod	Elev
B.M.					71.90
		1.65	73.55		
T.P.	11.21	4.41	66.75		62.34
S.E. Cor Front & Cedar				6.20	60.55 ✓
S.W. Cor				7.73	59.02 ✓
N.W. Cor				5.47	61.28 ✓
N.E. Cor				4.35	62.40 ✓
					71.90
		5.19	77.09		
SE Cor 1st & Cedar				7.09	70.0 ✓
S.W Cor				9.07	68.02 ✓
N.W.				9.09	68.00 ✓
N.E.				7.08	70.01 ✓
T.P.	1.58	11.91	87.42		75.51
T.P	1.59				85.83
		7.85	93.68		

Sta	−	+	I.H	Rod	Elev
N.W. Cor 2nd & Cedar			93.68	6.15	87.53 ✓
N.E				2.78	90.90 ✓
S.E				5.67	88.01 ✓
S.W.				8.70	84.98 ✓
	4.79		Check	B.M.	88.89

Cross on cement step S.E cor 2nd & Cedar

Ivy St

12/9/04 Hutchison Torrance Evans

Continued from Book 146 Page 50.

100' East of 1st St.

No. Line	200.05	4.5	195.5
—		5.5	194.5
4		5.9	194.1
Ct.		6.3	193.7
4		6.7	193.3
—		6.9	193.1
No Line		7.7	193.3

125' East of 1st

No Line		5.4	194.6
—		5.5	194.5
4		5.3	194.7
Ct.		5.0	195.0
4		4.5	195.5
—		4.2	195.8
No Line		3.7	196.3

150' East of 1st

No Line	200.05	3.1	196.9
—		3.2	196.8
4		3.5	196.5
Ct.		3.6	196.4
4		4.2	195.8
—		4.6	195.3
No. L.		4.1	195.9

175' East

No Line		3.5	196.5
—		4.3	195.7
4		3.9	196.1
Ct.		3.4	196.6
4		3.2	196.8
—		2.7	197.3
No Line		2.5	197.5

(200') West Line of 2nd

No Line	200.05	2.0		198.0
—		2.2		197.8
4		3.2		196.8
Ct.		4.0		196.0
4		4.4		195.6
—		4.8		195.2
So Line		4.5		195.5
	7.72	206.50	198.78	

East line of 2nd St.

No Line		5.7		200.8
Curb		6.6		199.9
1/4		7.2		199.3
10' No of Center line		10.0		196.5
Center		10.5		196.0
7' So of Center		10.3		196.2
8' " " "		8.2		198.3
1/4		8.2		198.3
Curb		8.7		197.8
So Line		8.4		198.1

Ivy

25' East of 2nd

So Line	206.50	7.7		198.8
—		7.7		198.8
4		7.5		199.0
Ct.		7.7		198.8
4		6.6		199.9
—		5.9		200.6
No Line		4.9		201.6

50' East of 2nd

No Line		3.9		202.6
—		4.5		202.0
4		5.3		201.2
Ct.		5.7		200.8
4		6.1		200.4
—		6.6		199.9
So Line		6.6		199.9

Levy

75' East of Yard

Ro Line	206.50	5.5	201.0
—		5.1	201.4
4		4.5	202.0
Ct.		4.2	202.3
4		4.0	202.5
—		3.5	203.0
No Line		2.5	204.0

100' East of

No Line		1.2	205.3
—		1.7	204.8
4		2.4	204.1
Ct.		2.9	203.6
4		3.3	203.2
—		3.5	203.0
Ro Line		4.2	202.3

125' East of Yard

Ro Line	206.50	5.3	201.2
—		3.5	203.0
4		2.5	204.0
Ct.		2.0	204.5
4		1.4	205.1
—		0.9	205.6
No Line		0.3	205.2

150' East of

No Line		1.7	204.8
—		2.6	203.9
4		3.1	203.4
Ct.		4.1	202.4
4		5.0	201.5
—		6.0	200.5
Ro L.		7.4	199.1

175' East of 2nd ¼

Ro. Line	206.50	10.7		195.8
—		9.3		197.2
4		8,0		198.5
Ct,		8,0		198.5
4		6,7		199.8
—		5,8		200.7
No Line		4,8		201.7

(700) West Line of 3rd ¼

No. Line		10,1		196.4
Curve		10,6		195.9
1/4		10,2		196.3
Ct,		11,6		194.9
1/4		12,9		193.6
25' Ro of Center		13,1		193.4
040	194.54	12.36	194.14	
Curve		15		193.0
So Line		17		191.3

West Curve Line of 3rd ¼

So Line	194.54	11.0		183.5
Curve		8,5		186.0
1/4		5,1		189.4
Center		3,5		191.0
1/4		2,7		191.8
C		1,7		192.8
No Line		0,2		194.3

West 1/4 Line of 3rd ¼

No Line		6,9		187.6
C		6,6		187.9
1/4		8,6		185.9
Ct.		11.3		183.2
	0.58	182.07	18.05	181.49
1/4		1.1		181.0
C		3.4		178.7
So Line		5.7		176.4

Jog

Center Line of 3rd

N. Line	182.07	3.5		178.6
10' So of	N. L.	2.0		180.1
Curb		1.3		180.8
1/4		2.8		179.3
Ct.		6.1		176.0
1/4		8.2		173.9
C		10.5		171.6
So Line		12.7		169.4

East 1/4 Line of 3rd

N. Line		9.7		172.4
C		8.0		174.1
1/4		8.4		173.7
Ct.		11.6		170.5
	0.11	169.93	12.25	169.82
1/4		2.5		167.4
C		4.5		165.4
So Line		6.8		163.1

East Curb Line of 3rd

N. Line	169.93	4.7	165.2
C		3.8	166.1
4		1.8	168.1
Ct.		3.9	166.0
4		6.9	163.0
C		9.5	160.4
So Line		11.1	158.8

East Line of 3rd St.

N. Line		9.0	160.9
C		8.4	161.5
1/4		7.9	162.0
Ct.		8.5	161.4
1/4		10.4	159.5
C		12.1	157.8
So Line		14.3	155.6

15' East of 3-4

M° Line	169.93	11.8	158.1
C		12.1	157.8
1/4		12.3	157.6
Ct.		12.4	157.5
4		13.3	156.6
C		14.1	155.8
Do Line		14.6	155.3

25' East of 3-4

M° Line		11.7	158.2
C		11.9	158.0
1/4		11.9	158.0
Ct.		12.4	157.5
4		13.2	156.7
C.		13.3	156.6
Do Line		13.7	156.2

50' East of 3-4

M° Line	169.93	4.4	165.5
C		7.9	162.0
4		10.0	159.9
Ct.		9.9	160.0
4		8.4	161.5
C		6.5	163.4
Do Line		4.8	165.1
	12.87	182.05	0.75 169.18

75' East of 3-4

M° Line	10.0	172.0
C	14.0	168.0
1/4	15.5	166.5
Ct.	12.1	169.9
1/4	9.6	172.4
C	5.8	176.2
Do Line	5.8	176.2

100' East of 3rd

W° Line		18.05	5.3	176.7
C			8.9	173.1
1/4			6.9	175.1
Ct.			2.6	179.4
1/4			0.2	181.8
	12.37	193.86	0.56	181.49
C			11.4	182.5
So Line			9.9	184.0

125' East of 3rd

W° Line			12.4	181.5
C			13.3	180.6
1/4			10.5	183.4
Ct.			7.7	186.2
1/4			7.5	186.4
C			7.5	186.4
So Line			7.4	186.5

Ivy St.

150' East of 3rd

W° Line		193.86	4.5	189.4
C			4.0	189.9
1/4			2.6	191.3
Ct.			2.1	191.8
1/4			3.3	190.6
C			3.0	190.9
So Line			3.8	190.1
	12.79	204.39	2.26	191.60

175' East of 3rd

So Line			9.0	195.4
C			8.4	196.0
1/4			7.2	197.2
Ct.			5.4	199.0
1/4			5.4	199.0
C			7.1	197.3
W° Line			7.5	196.9

(200) West Line of 4th

N. Line	204.39	0.1	204.3
C		0.5	203.9
1/4		0.3	204.1
Ct.		1.0	203.4
1/4		1.8	202.6
C		3.1	201.3
So Line		4.0	200.4
	12.33 216.19	0.53	203.86

East Line of 4th

So. Line	6.2	210.0
C	5.7	210.5
1/4	6.6	209.6
8' So of Center	7.0	209.2
4' " " "	9.5	206.7
Ct	9.4	206.8
1/4	9.3	206.9
5' So of N. Line	6.3	209.9
C	5.6	210.4
N. Line	4.2	212.0

25' East of 4th

N. Line	216.19	2.8	213.4
C		4.4	211.8
1/4		5.0	211.2
9' N. of Ct.		6.2	210.0
Ct		5.9	210.3
1/4		4.0	212.2
C		3.2	213.0
So Line		2.7	213.5

50' East of 4th

So Line	1.3	214.9
C	1.5	214.7
4	1.8	214.4
Ct	1.9	214.3
4	2.1	214.1
C	2.3	213.9
N. Line	2.3	213.9

75' East of 4th

No Line	216.9	0.4	215.8
C		1.1	215.1
4		0.9	215.3
Ct.		0.6	215.6
4		0.6	215.6
C		0.5	215.7
No Line		0.4	215.8
	7.18 222.86	0.51	215.68

100' East of 4th

No Line	6.7	216.2
C	6.7	216.2
1/4	6.2	216.7
Ct.	6.2	216.7
1/4	5.7	217.2
C	5.9	217.0
No Line	5.6	217.3

125' East of 4th

No Line	4.1	218.8
C	4.3	218.6
1/4	4.6	218.3
Ct.	5.5	217.4
1/4	5.4	217.5
C	5.7	217.2
No Line	5.8	217.1

100' East of 4th

No Line	6.1	216.8
C	6.0	216.9
1/4	5.3	217.6
Ct	5.1	217.8
1/4	4.2	218.7
C	3.8	219.1
No Line	3.5	219.4

175' East of 4th			
M° Line	222.86	3.2	219.7
C		3.5	219.4
1/4		3.8	219.1
6' M° of Ct.		4.2	218.7
3' " " "		5.7	217.2
Center		5.7	217.2
1/4		6.1	216.8
C		6.1	216.8
Do Line		6.6	216.3
190' East of 4th			
Do Line		6.8	216.1
C		6.6	216.5
1/4		6.8	216.1
Ct.		7.0	215.9
8' M° of Ct.		6.1	216.8
11' " " "		4.1	218.8
1/4		4.0	218.9
C		3.5	219.4
M° Line		3.5	219.4

(200) West Line of 5th				
M° Line		3.2		219.7
C		3.6		219.3
25' So of M° Line		4.5		218.4
1/4		6.3		216.6
9' M° of Ct.		7.6		215.3
Ct.		7.8		215.1
1/4		8.0		214.9
C		8.8		214.1
Do Line		9.3		213.6
	0.00	210.25	12.61	210.25
			12.45	198.80

Ivy St.

12/28/04 Hutchins Evans Lewis

Columbia to Astor

	4.5	67.76	63.31

West Line of Columbia

No Line		4.5	63.3
—		4.5	63.3
Gutter		5.5	62.3
4		5.4	62.4
Ct.		4.9	62.9
4		5.2	62.6
Gutter		5.3	62.5
Curb		4.7	63.0
No Line		4.5	63.3

25' West of Columbia

No Line		5.7	62.1
—		5.8	62.0
4		5.6	62.2
Ct.		6.0	61.8
4		6.0	61.8
Ct.		5.6	62.2
No Line		5.7	62.1

50' West of Columbia

No Line	67.76	7.3	60.5
—		7.0	60.8
4		6.9	60.9
Ct.		7.0	60.8
4		6.9	60.9
—		7.0	60.8
No Line		7.2	60.6

75' West of

No L.		8.1	59.7
—		8.1	59.7
4		8.3	59.5
Ct		8.2	59.6
4		8.0	59.8
—		8.8	59.0
No Line		8.9	58.9

IVY

100' West of Columns

So Line		67.76	10.9	-6.9
–			10.3	-7.5
4			9.7	-8.1
Ct.			9.3	-8.5
4			9.4	-8.4
–			9.1	-8.7
No Line			9.1	-8.7
	125' West of			
No Line			10.7	-7.1
Ct.			10.4	-7.4
4			10.6	-7.2
Ct.			10.7	-7.1
4			11.5	-6.3
–			17.0	-0.8
So Line			17.9	-4.9
	0.72	-7.56	10.92	-6.84

150' West of Columns

So Line	-7.56	4.8	-2.8
–		3.5	-4.1
4		2.8	-4.8
Ct		2.3	-5.3
4		2.2	-5.4
–		2.0	-5.6
No Line		2.1	-5.5
	175' West of Columns		
No Line		3.3	-4.3
–		2.7	-4.9
4		3.4	-4.2
Ct.		4.0	-3.6
4		4.3	-3.3
–		4.9	-2.7
So Line		6.1	-1.5

195' West of Columbia

No Line	57.56	8.2	49.4
—		6.52	57.1
4		5.3	52.8
Ct.		5.1	52.5
4		5.1	52.5
—		4.7	52.9
No Line		4.7	52.9

(200) East Line of India

No Line		8.3	49.2
—		8.6	49.0
4		7.9	49.7
Ct.		7.5	50.1
4		8.0	49.6
—		8.7	48.9
No Line		8.9	48.7

West Line of India

No Line	57.56	12.0	45.6
			45.7
—		11.9	~~45.7~~
4		11.4	46.2
Ct.		11.6	46.0
4		11.8	45.8
—		12.0	45.6
No Line		11.5	46.1
	0.27	46.49	11.34	46.22

5' West of India

No Line		1.0	45.5
—		1.4	45.1
4		1.5	45.0
Ct.		1.5	45.0
4		2.2	44.3
—		2.4	44.1
No Line		2.9	43.6

25' West of India			
Do Line	46.49	41,9	41,6
—		42,5	42,0
4	5/8	42,1	42,4
Ct.		43,3	43,7
4		33	43,2
—		3,1	43,4
No Line		3.0	43,5
50' West of India			
No Line		4.6	41,9
—		4,9	41.6
4		5,3	41.2
Ct.		5,5	41,0
4		6,3	40.2
—		6,4	40,1
Do Line		6.5	40.0

75' West of		
Do Line	8,4	38,1
—	8,3	38,2
4	7.8	38,7
Ct.	7,7	38,8
4	7,1	39,4
—	6,7	39,8
No Line	6.4	40,1
100' West of		
No Line	8,1	38,4
—	8,3	38,2
4	8,8	37,7
Ct.	9,2	37,3
4	9,9	36,6
—	10,1	36,4
Do Line	10,1	36,4

Ivy St
" Columbia to Artic

125' West of India

So Line		46.49	12.1	34.4
—			11.8	34.7
4			11.3	35.2
Ct.			10.9	35.6
4			10.5	36.0 ~~35.0~~
—			10.1	36.4
No Line			9.9	36.6
	1.69	38.54	9.64	36.85

150' West of India

No Line			3.4	35.1
—			3.9	34.6
4			4.2	34.3
Ct.			4.4	34.1
4			4.5	34.0
—			5.0	33.5
So Line			5.3	33.2

175' West of India

So Line		38.54	6.6	31.9
—			6.6	31.9
4			6.0	32.5
Ct.			5.7	32.8
4			5.3	33.2
—			4.9	33.6
No Line			4.9	33.6

(200) East Line of Artic

No Line			6.6	31.9
—			6.5	32.0
4			6.5	32.0
Ct.			6.8	31.7
4			7.3	31.2
—			7.6	30.9
So Line			7.8	30.7

Lot 21 & 22 Block 10
Block 28 & 2
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Return to City Engineers Office
City Hall, San Diego, Cal.

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

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

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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o City Engineers Office
Hall, San Diego, Cal.

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

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

Degrees	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0									
1	99.9								
2	99.9								
3	99.8								
4	99.7								
5	99.6								
6	99.4								
7	99.2								
8	99.0								
9	98.7								
10	98.4								
11	98.1								
12	97.8								
13	97.4								
14	97.0								
15	96.5								
16	96.1								
17	95.6								
18	95.11								
19	94.55								
20	93.97								
21	93.36								
22	92.72								
23	92.05								
24	91.35								
25	90.63								
26	89.88								
27	89.10								
28	88.29								
29	87.46								
30	86.60								
31	85.72								
32	84.80								
33	83.87								
34	82.90								
35	81.92								
36	80.90								
37	79.86								
38	78.80								
39	77.71								
40	76.60								
41	75.47								
42	74.31								
43	73.14								
44	71.93								
45	70.71								
Degrees.	Dep.								
	DEGR								

Book no. 138.

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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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