Cross-Section of E St.,
from 4th St. to Arctic St.
Page to 9

Cross-Section of 3rd St.,
from Walnut to Brookes.
Page 30 to 33

Cross-Section of 5th St.,
from A St. to Juniper St.
Page 35 to 80

400

LEVEL

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F.B. 137

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Table showing the [illegible] 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
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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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Cross Section of Estr fr 4th to Arctic 1-29

" " " 3rd " Walnut-Brooks 30-33

" " " 5th " A to Juniper 34-80

1/9/03 {Dimsey, McAuliffe, Lambert}

Cross-sections of "E" St. from 4th to Arctic

Hyd 4th + E.											
B.M.	1.30		39.71	38.41							
		West line 4th					50' West of 4th				
S. line E		3.6			36.11		S. line E		4.1		35.61
curb		4.1			35.61		curb		4.8		34.91
1/4		4.2			35.51		1/4		5.1		34.61
Center		4.0			35.71		Center		5.1		34.61
1/4		3.7			36.01		1/4		4.6		35.11
curb		3.4			36.31		curb		4.0		35.71
N. line E		2.8			36.91		N. line E		3.4		36.31
		25' West of 4th					75' West of 4th				
N. line E		2.7			37.01		N. line E		3.9		35.81
curb		3.6			36.11		curb		4.6		35.11
1/4		4.6			35.11		1/4		4.8		34.91
Center		4.6			35.11		Center		5.2		34.51
1/4		4.6			35.11		1/4		5.3		34.41
curb		4.5			35.21		curb		5.4		34.31
S. line E		4.1			35.61		S. line E		4.4		35.31

100' West of 4th

S. line	5.9	33.81
Curb	6.0	33.71
1/4	5.6	34.11
Curb	5.5	34.21
1/4	5.2	34.51
Curb	5.2	34.51
N. line	4.5	35.21

125' West of 4th

N Curb	5.1	34.61
Gutter	5.8	33.91
1/4	5.7	34.01
Curb.	5.8	33.91
1/4	5.8	33.91
Curb	5.8	33.91
S line R	6.1	33.61

150' West of 4th

S. line R	6.5	33.21
Curb	6.1	33.61
1/4	6.2	33.51
Curb.	6.2	33.51
1/4	5.8	33.91
Gutter	6.2	33.51
N Curb	5.43	34.28

175' West of 4th

N. Curb	5.8	33.91
Gutter	6.6	33.11
1/4	6.6	33.11
Curb	6.8	32.91
1/4	6.7	33.01
Curb	6.6	33.11
S line R.	6.8	32.91

East line 3rd

S. line R	7.0	32.71
Curb	7.2	32.51
1/4	7.2	32.51
Curb.	7.0	32.71

Gutter	6.8	32.91
N. Curb	6.2	33.51
	Curb East side 3rd	
N. line E	6.9	32.81
curb	7.3	32.41
1/4	7.1	32.61
Center	7.4	32.31
1/4	7.5	32.21
curb	7.8	31.91
S line E.	7.6	32.11
	1/4 East side 3rd	
S line E	7.7	32.01
curb	7.2	32.51
1/4	7.0	32.71
Center	7.0	32.71
1/4	6.7	33.01
curb	6.7	33.01
N line E	6.6	33.11

	Center 3rd	
N line E	6.6	33.11
curb	6.8	32.91
1/4	7.0	32.71
center	7.2	32.51
1/4	7.5	32.21
curb	7.6	32.11
S line E.	7.7	32.01
	1/4 West side 3rd	
S line E	8.2	31.51
curb	7.9	31.81
1/4	7.7	32.01
Center	7.6	32.11
1/4	7.4	32.31
Curb	7.1	32.61
N. line E	6.9	32.81
	Curb West side 3rd	
N. line E	7.1	32.61
Curb	7.4	32.31

1/4		7.5	32.21
Center		8.0	31.71
1/4		8.0	31.71
Curb		8.4	31.31
S line E		8.4	31.31
T. P.	4.17	8.32 (35.56)	31.39
		West line 3rd	
S line E.		4.0	31.56
Curb		4.0	31.56
1/4		4.1	31.46
Center		3.9	31.66
1/4		3.8	31.76
Curb		3.7	31.86
N line E		3.4	32.16
		25' West of 3rd	
N. line E.		3.0	32.56
Curb		3.4	32.16
1/4		3.8	31.76

Center	4.2	31.36
1/4	4.2	31.36
Curb	3.9	31.66
S line E	4.0	31.56
	50' West of 3rd	
S line E	4.2	31.36
Curb	4.1	31.46
1/4	4.3	31.26
Center	4.3	31.26
1/4	4.0	31.56
Curb	3.4	32.16
N line E	3.1	32.46
	75' West of 3rd	
N. line E.	3.2	32.36
Curb	3.4	32.16
1/4	4.1	31.46
Center	4.7	30.86
1/4	4.5	31.06

Curb	4.4	31.16
S line E	4.4	31.16
100' West of 3rd		
S line E.	4.7	30.86
Curb	4.7	30.86
1/4	4.7	30.86
Center	4.9	30.66
1/4	4.1	31.46
Curb	3.5	32.06
N line E.	3.3	32.26
125 West of 3rd		
N. line E	3.5	32.06
Curb	3.7	31.86
1/4	4.2	31.36
Center	4.9	30.66
1/4	5.2	30.36
Curb	4.8	30.76
S line E	4.8	30.76

150' West of 3rd		
S line E	5.2	30.36
Curb	5.4	30.16
1/4	4.9	30.66
Center	5.1	30.46
1/4	4.1	31.46
Curb	4.0	31.56
N. line E.	3.8	31.76
175' West of 3rd		
N line E	3.9	31.66
Curb	4.3	31.26
1/4	4.8	30.76
Center	5.4	30.16
1/4	5.4	30.16
Curb	5.4	30.16
S. line E	5.5	30.06
East line 2nd		
S. line E.	6.2	29.36
Curb	5.8	29.76

1/4	5.5	30.06
Curb	5.7	29.86
1/4	5.5	30.06
Curb	5.0	30.56
N. line E.	4.7	30.86
	Curb East side 2nd	
N. line E	5.0	30.56
Curb	5.3	30.26
1/4	5.2	30.36
Center	5.7	29.86
1/4	5.9	29.66
Curb	6.7	28.86
S. line E.	6.9	28.66
	1/4 East side 2nd	
S line E.	6.8	28.76
Curb	6.3	29.26
1/4	5.7	29.86
Center	5.6	29.96

1/4	5.0	30.56
Curb	5.0	30.56
N. line E.	4.8	30.76
	Center 2nd	
N. line E.	5.2	30.36
Curb	5.4	30.16
1/4	5.5	30.06
Center	5.9	29.66
1/4	6.1	29.46
Curb	6.6	28.96
S. line E.	7.0	28.56
	1/4 West side 2nd	
S. line E.	7.3	28.26
Curb	6.7	28.86
1/4.	6.2	29.36
Center	6.2	29.36
1/4	5.7	29.86
Curb	5.8	29.76

N. line R.		5.6		29.96
		Curb West side 2nd		
N. line R.		5.7		29.86
Curb		5.8		29.76
1/4		6.2		29.36
Center		6.6		28.96
1/4		6.5		29.06
Curb		7.3		28.26
S. line R.		8.0		27.56
T. P.	0.98	4.96	(31.58)	30.60
		West line 2nd		
N. line R.		0.8		30.78
Curb		1.0		30.58
Gutter		1.7		29.88
1/4		2.7		28.88
Center		2.8		28.78
1/4		2.8		28.78
Curb		3.2		28.38

S. line R.	3.2	28.38
	25' West of 2nd	
S. line R.	3.5	28.08
Curb	3.2	28.38
1/4	3.2	28.38
Center	3.5	28.08
1/4	2.9	28.68
Gutter	2.2	29.38
Curb	1.6	29.98
N. line R.	1.0	30.58
	50' West of 2nd	
N. line R.	1.7	29.88
Curb	2.0	29.58
Gutter	2.8	28.78
1/4	3.3	28.28
Center	3.5	28.08
1/4	3.4	28.18
Curb	3.3	28.28

S. line E.	3.5	28.08
	75' West of 2nd	
S. line E.	3.6	27.98
Curb	3.5	28.08
1/4	3.7	27.88
Center	3.9	27.68
1/4	3.7	27.88
Gutter	3.3	28.28
Curb	2.5	29.08
N. line E	2.2	29.38
	100' West of 2nd	
N line E.	3.2	28.38
Curb	3.3	28.28
Gutter	3.3	28.28
1/4	4.0	27.58
Center	4.2	27.38
1/4	4.0	27.58
Curb	4.2	27.38

S. line E	4.3	27.28
	125' West of 2nd	
S. line E.	4.7	26.88
Curb	4.5	27.08
1/4	4.5	27.08
Center	4.7	26.88
1/4	4.4	27.18
Curb	3.9	27.68
N. line E.	3.1	28.48
	150' West of 2nd	
N. line E.	3.5	28.08
Curb	4.2	27.38
1/4	4.5	27.08
Center	4.9	26.68
1/4	5.1	26.48
Curb	4.9	26.68
S. line E	5.2	26.38

175' West of 2nd

S. line R.	5.5	26.08
Curb	5.7	25.88
1/4	5.8	25.78
Center	5.4	26.18
1/4	4.9	26.68
Curb	4.7	26.88
N. line R.	4.2	27.38

East line 1st

N. line R	5.0	26.58
Curb	5.3	26.28
1/4	5.4	26.18
Center	5.9	25.68
1/4	5.7	25.88
Curb	6.1	25.48
S. line R.	6.1	25.48

Curb East Side 1st

S line R.	6.7	24.88
Curb	6.5	25.08
1/4	6.1	25.48
Center	6.1	25.48
1/4	5.7	25.88
Curb	5.7	25.88
N. line R.	5.4	26.18

1/4 East Side 1st.

N. line R.	4.8	26.78
Curb	4.8	26.78
1/4	5.2	26.38
Center	5.6	25.98
1/4	5.6	25.98
Curb	6.0	25.58
S. line R.	6.3	25.28

Center 1st

S line R.	6.3	25.28
Curb	5.9	25.68
1/4	5.7	25.88
Center	5.6	25.98

1/4	5.2	26.38
Curb	4.7	26.88
N. line E.	4.5	27.08
	1/4 West side lot	
N. line E.	5.2	26.38
Curb	5.4	26.18
1/4	5.7	25.88
Center	6.0	25.58
1/4	6.1	25.48
Curb	6.6	24.98
S line E.	6.9	24.68
	Curb West side lot.	
S. line E	7.5	24.08
Curb	7.4	24.18
1/4	6.5	25.08
Center	6.3	25.28
1/4	6.3	25.28
Curb	6.5	25.08
N. line E.	6.0	25.58
	West line lot	
N line E.	5.7	25.88
Curb	6.3	25.28
1/4	6.7	24.88
Center	6.7	24.88
1/4	6.9	24.68
Curb	7.3	24.28
S. line E.	7.0	24.58
	25' West of lot	
S line E.	6.6	24.98
Curb	7.0	24.58
1/4	6.9	24.68
Center	6.7	24.88
1/4	6.7	24.88
Gutter	6.5	25.08
Curb	5.7	25.88
N. line E.	5.4	26.18

50' West of 1st

N. line E.	5.3	26.28
Curb	5.4	26.18
Gutter	6.0	25.58
1/4	6.5	25.08
Center	6.4	25.18
1/4	6.5	25.08
Curb	6.8	24.78
S. line E.	6.7	24.88

75' West of 1st

S line E.	6.1	25.48
Curb	6.3	25.28
1/4	6.0	25.58
Center	6.0	25.58
1/4	6.1	25.48
Gutter	6.0	25.58
Curb	5.1	26.48
N. line E.	4.9	26.68

100' West of 1st

N. line E.	4.7	26.88
Curb	4.8	26.78
Gutter	5.4	26.18
1/4	5.5	26.08
Center	5.6	25.98
1/4	5.5	26.08
Curb	5.8	25.78
S. line E.	5.6	25.98

125' West of 1st

S line E.	4.7	26.88
Curb	4.7	26.88
1/4	4.8	26.78
Center	5.0	26.58
1/4	4.7	26.88
Gutter	5.1	26.48
Curb	4.5	27.08
N. line E.	4.3	27.28

150' West of Lot

N. line E.	4.1	27.48
Curb	4.2	27.38
Gutter	4.5	27.08
1/4	4.1	27.48
Center	4.4	27.18
1/4	4.2	27.38
Curb	4.1	27.48
S. line E.	4.4	27.18

175' West of Lot

S. line E.	4.4	27.18
Curb	3.9	27.68
1/4	4.0	27.58
Center	4.2	27.38
1/4	4.3	27.28
Gutter	4.4	27.18
Curb	3.9	27.68
N. line E.	3.7	27.88

East line Front

N. line E.		3.5		28.08
Curb		3.6		27.98
Gutter		4.0		27.58
1/4		3.9		27.68
Center		4.1		27.48
1/4		4.1		27.48
Curb		4.3		27.28
S. line E. Split Front + E.		4.5		27.08
B. M.	1.04	2.96	(29.65)	(28.61) 28.62

Curb East side Front

S. line E	2.8	26.85
Curb	2.8	26.85
1/4	2.7	26.95
Center	2.6	27.05
1/4	2.5	27.15
Curb	2.4	27.25
N. line E.	2.4	27.25

1/4 East side Front

N. line E	1.7	27.95
Curb	1.7	27.95
1/4	1.7	27.95
Center	2.2	27.45
1/4	2.1	27.55
Curb	2.2	27.45
S line E.	2.7	26.95

Center Front.

S line E.	2.6	27.05
Curb	2.5	27.15
1/4	2.0	27.65
Center	2.0	27.65
1/4	1.8	27.85
Curb	1.7	27.95
N. line E.	1.7	27.95

1/4 West side Front

N. line E.	2.1	27.55
Curb	2.0	27.65
1/4	2.4	27.25
Center	2.2	27.45
1/4	2.5	27.15
Curb	2.7	26.95
S. line E	3.0	26.65

Curb West side Front

S line E.	3.6	26.05
Curb	3.4	26.25
1/4	3.0	26.65
Center	3.0	26.65
1/4	2.7	26.95
Curb	2.6	27.05
N. line E.	2.5	27.15

West line Front

N. line E.	2.2	27.45
Curb	2.4	27.25
1/4	2.5	27.15
Center	2.7	26.95

1/4	2.8	26.85
Curb	3.2	26.45
S line E.	3.1	26.55
	25' West of Front	
S line E.	3.0	26.65
Curb	3.0	26.65
1/4	2.9	26.75
Center	2.6	27.05
1/4	2.7	26.95
Curb	2.6	27.05
N. line E.	2.1	27.55
	50' West of Front	
N. line E.	2.2	27.45
Curb	2.2	27.45
1/4	3.1	26.55
Center	3.0	26.65
1/4	2.9	26.75
Curb	2.9	26.75

S line E	2.9	26.75
	75' West of Front	
S line E.	3.2	26.45
Curb	3.3	26.35
1/4	3.1	26.55
Center	3.3	26.35
1/4	3.3	26.35
Curb	3.2	26.45
N. line E.	2.9	26.75
	100' West of Front	
N. line E.	3.6	26.05
Curb	3.7	25.95
1/4	3.5	26.15
Center	3.5	26.15
1/4	3.5	26.15
Curb	3.6	26.05
S. line E.	3.7	25.95

125' West of Front.

S. line E.	3.9	25.75
Curb	3.7	25.95
1/4	3.5	26.15
Center	3.7	25.95
1/4	3.9	25.75
Curb	3.7	25.95
N. line E.	3.7	25.95

150' West of Front

N. line E.	3.4	26.25
Curb	3.6	26.05
1/4	4.2	25.45
Center	4.3	25.35
1/4	3.9	25.75
Curb	4.1	25.55
S. line E.	4.3	25.35

175' West of Front

S. line E.	4.5	25.15
Curb	4.5	25.15
1/4	4.5	25.15
Center	4.5	25.15
1/4	4.2	25.45
Curb	3.8	25.85
N. line E.	3.8	25.85

East line Union

N. line E.	4.5	25.15
Curb	4.9	24.75
1/4	4.5	25.15
Center	4.5	25.15
1/4	4.5	25.15
Curb	4.6	25.05
S. line E.	4.6	25.05

Curb East side Union

S. line E.	4.9	24.75
Curb	5.3	24.35
1/4	5.2	24.45
Center	5.2	24.45

1/4	5.1	24.55
Curb	5.0	24.65
N. line E	5.0	24.65
	1/4 East Side Union	
N. line E.	4.6	25.05
Curb	4.4	25.25
1/4	4.3	25.35
Center	4.7	24.95
1/4	4.5	25.15
Curb	4.8	24.85
S line E.	5.2	24.45
	Center Union	
S line E.	5.3	24.35
Curb	5.1	24.55
1/4	4.8	24.85
Center	4.9	24.75
1/4	4.7	24.95
Curb	4.8	24.85

N. line E.	4.8	24.85
	1/4 West Side of Union	
N line E.	5.3	24.35
Curb	5.2	24.45
1/4	5.0	24.65
Center	5.1	24.55
1/4	4.9	24.75
Curb	5.2	24.45
S line E.	5.7	23.95
	Curb West Side of Union	
S line E.	6.2	23.45
Curb	6.0	23.65
1/4	5.3	24.35
Center	5.3	24.35
1/4	5.3	24.35
Curb	5.9	23.75
N. line E	5.9	23.75

West line Union

N. line E.	5.8	23.85
Curb	6.0	23.65
1/4	5.6	24.05
Center	5.5	24.15
1/4	5.7	23.95
Curb	6.2	23.45
S. line E.	6.1	23.55

25' West of Union

S. line E.	6.0	23.65
Curb	6.2	23.45
1/4	6.0	23.65
Center	6.1	23.55
1/4	5.9	23.75
Curb	6.3	23.35
N. line E.	5.8	23.85

50' West of Union

N. line E.	6.1	23.55
Curb	6.5	23.15
1/4	6.4	23.25
Center	6.6	23.05
1/4	6.3	23.35
Curb	6.5	23.15
S. line E.	6.4	23.25

75' West of Union

S. line E.	7.1	22.55
Curb	7.0	22.65
1/4	6.8	22.85
Center	7.3	22.35
1/4	7.0	22.65
Curb	7.1	22.55
N. line E.	6.8	22.85

100' West of Union

N. line E.	7.4	22.25
Curb	7.8	21.85
1/4	7.5	22.15
Center	7.8	21.85

1/4	7.5	22.15
Curb	7.6	22.05
S line E.	7.6	22.05
	125' West of Union	
S. line E.	7.9	21.75
Curb	7.8	21.85
1/4	8.1	21.55
Center	8.3	21.35
1/4	8.1	21.55
Curb	8.1	21.55
N line E.	7.5	22.15
	150' West of Union	
N line E.	7.9	21.75
Curb	8.2	21.45
1/4	8.3	21.35
Center	8.6	21.05
1/4	8.6	21.05
Curb	8.4	21.25

S. line E.	8.4	21.25
	175' West of Union	
S. line E.	8.9	20.75
Curb	9.1	20.55
1/4	9.1	20.55
Center	9.2	20.45
1/4	8.9	20.75
Curb	9.0	20.65
N. line E.	8.6	21.05
	East line State	
N. line E.	9.2	20.45
Curb	9.7	19.95
1/4	9.5	20.15
Center	9.7	19.95
1/4	9.7	19.95
Curb	10.0	19.65
S. line E.	10.0	19.65
T. P. 1.43	9.87	(21.21) 19.78

Curb East side State

S line E.	1.7	19.51
Curb	1.9	19.31
1/4	1.7	19.51
Center	1.4	19.81
1/4	1.2	20.01
Curb	1.6	19.61
N. line E.	1.4	19.81

1/4 East side State

N line E	1.1	20.11
Curb	1.7	19.51
1/4	1.4	19.81
Center	1.4	19.81
1/4	1.6	19.61
Curb	1.8	19.41
S line E.	2.0	19.21

Center State

S line E.	2.1	19.11
Curb	2.1	19.11
1/4	1.9	19.31
Center	1.7	19.51
1/4	1.7	19.51
Curb	2.2	19.01
N line E.	1.2	20.01

1/4 West side State

N line E.	2.2	19.01
Curb	2.5	18.71
1/4	2.4	18.81
Center	2.6	18.61
1/4	2.4	18.81
Curb	2.6	18.61
S line E.	2.8	18.41

Curb West side State

S. line E.	3.0	18.21
Curb	3.3	17.91
1/4	3.2	18.01
Center	3.2	18.01

1/4	3.1	18.11
Curb	3.6	17.61
N. line E.	2.8	18.41
	West line State	
N line E.	2.6	18.61
Curb	3.4	17.81
1/4	3.8	17.41
Center	3.5	17.71
1/4	3.5	17.71
Curb	3.5	17.71
S line E.	3.4	17.81
	25' West of State	
S line E.	4.0	17.21
Curb	3.8	17.41
1/4	3.7	17.51
Center	4.0	17.21
1/4	4.1	17.11
Curb	3.6	17.61

N line E.	3.0	18.21
	50' West of State	
N. line E	3.4	17.81
Curb	3.9	17.31
1/4	4.1	17.11
Center	4.3	16.91
1/4	4.3	16.91
Curb	4.1	17.11
S line E.	4.2	17.01
	75' West of State	
S line E.	4.6	16.61
Curb	4.7	16.51
1/4	4.8	16.41
Center	4.6	16.61
1/4	4.5	16.71
Curb	4.3	16.91
N. line E.	3.6	17.61

100' West of State

N. line E.	4.2	17.01
Curb	4.5	16.71
1/4	4.6	16.61
Center	4.7	16.51
1/4	4.8	16.41
Curb	5.1	16.11
S line E.	5.4	15.81

125' West of State

S line E.	5.1	16.11
Curb	5.0	16.21
1/4	5.0	16.21
Center	5.1	16.11
1/4	4.9	16.31
Curb	4.9	16.31
N. line E.	4.6	16.61

150' West of State

N. line E	4.8	16.41
Curb	5.0	16.21
1/4	5.0	16.21
Center	5.1	16.11
1/4	5.2	16.01
Curb	5.2	16.01
S line E.	5.2	16.01

175' West of State

S. line E.	5.2	16.01
Curb	5.4	15.81
1/4	5.5	15.71
Center	5.5	15.71
1/4	5.3	15.91
Curb	5.2	16.01
N. line E.	5.1	16.11

East line Columbia

N. line E.	5.5	15.71
Curb	5.5	15.71
1/4	5.8	15.41
Center	5.8	15.41

1/4	5.8	15.41
Curb	5.9	15.31
S. line E.	5.7	15.51

Curb East side Columbia

S. line E.	5.9	15.31
Curb	6.0	15.21
1/4	6.0	15.21
Center	6.0	15.21
1/4	6.0	15.21
Curb	5.7	15.51
N. line E.	5.7	15.51

1/4 East side Columbia

N. line E.	5.9	15.31
Curb	6.0	15.21
1/4	6.2	15.01
Center	6.3	14.91
1/4	6.4	14.81
Curb	6.3	14.91
S. line E.	6.3	14.91

Center Columbia

S. line E.	5.9	15.31
Curb	6.1	15.11
1/4	6.6	14.61
Center	6.3	14.91
1/4	6.3	14.91
Curb	6.3	14.91
N. line E.	6.4	14.81

1/4 West side Columbia

N. line E.	6.4	14.81
Curb	6.5	14.71
1/4	6.6	14.61
Center	6.6	14.61
1/4	6.8	14.41
Curb	6.7	14.51
S. line E.	6.7	14.51

Curb West side Columbia

S. line E.	6.9	14.31
Curb	7.0	14.21
1/4	7.0	14.21
Center	7.1	14.11
1/4	6.9	14.31
Curb	6.7	14.51
N. line E	6.8	14.41

West line Columbia

N. line E.	6.8	14.41
Curb	6.8	14.41
1/4	6.9	14.31
Center	7.2	14.01
1/4	7.0	14.21
Curb	7.2	14.01
S. line E.	6.8	14.41

25' West of Columbia

S. line E.	7.2	14.01
Curb	7.5	13.71
1/4	7.6	13.61
Center	8.0	13.21
1/4	7.6	13.61
Curb	7.2	14.01
N. line E.	7.5	13.71

50' West of Columbia

N. line E	7.7	13.51
Curb	7.9	13.31
1/4	8.0	13.21
Center	8.5	12.71
1/4	8.2	13.01
Curb	7.9	13.31
S. line E.	8.0	13.21
T. P. 2.78	7.58	(16.41) 13.63

75' West of Columbia

S. line E.	3.6	12.81
Curb	3.9	12.51
1/4	3.7	12.71

Center	4.0	12.41
1/4	4.0	12.41
Curb	4.0	12.41
N. line R	3.3	13.11

100' West of Columbia

N. line R	3.8	12.61
Curb	4.1	12.31
1/4	4.6	11.81
Center	4.5	11.91
1/4	4.3	12.11
Curb	4.2	12.21
S. line R.	3.8	12.61

125' West of Columbia

S. line R.	4.6	11.81
Curb	4.7	11.71
1/4	5.0	11.41
Center	5.0	11.41
1/4	4.9	11.51
Curb	4.6	11.81
N. line R.	4.1	12.31

150' West of Columbia

N. line R.	4.7	11.71
Curb	5.1	11.31
1/4	5.4	11.01
Center	5.5	10.91
1/4	5.3	11.11
Curb	5.3	11.11
S. line R.	5.2	11.21

175' West of Columbia

S. line R.	5.5	10.91
Curb	5.6	10.81
1/4	5.8	10.61
Center	5.9	10.51
1/4	5.9	10.51
Curb	5.5	10.91
N. line R	5.2	11.21

East line India

N. line E.		6.1		10.31
Curb		6.3		10.11
1/4		6.1		10.31
Center		5.8		10.61
1/4		6.1		10.31
Curb		5.7		10.71
S. line E.		6.2		10.21

Curb East side India

S. line E.		6.2		10.21
Curb		6.3		10.11
1/4		6.1		10.31
Center		6.0		10.41
1/4		6.0		10.41
Curb		6.2		10.21
N. line E.		6.5		9.91
T.P.	4.40	5.95	(14.86)	10.46

1/4 East side India

S. line E		4.8		10.06
Curb		4.8		10.06
1/4		4.5		10.36
Center		4.6		10.26
1/4		4.6		10.26
Curb		4.9		9.96
N. line E		4.6		10.26

Center India

N. line E		4.8		10.06
Curb		5.1		9.76
1/4		4.8		10.06
Center		4.7		10.16
1/4		4.7		10.16
Curb		5.1		9.76
S. line E.		5.0		9.86

1/4 West side India

S. line E		5.9		8.96
Curb		5.4		9.46
1/4		5.0		9.86

Curb	4.9	9.96
1/4	5.1	9.76
Curb	5.2	9.66
N. line E	5.2	9.66
Curb West side India		
N. line E	5.8	9.06
Curb	5.8	9.06
1/4	5.4	9.46
Center	5.1	9.76
1/4	5.4	9.46
Curb	6.1	8.76
S. line E.	6.1	8.76
West line India		
S. line E.	6.1	8.76
Curb	6.0	8.86
1/4	5.8	9.06
Center	5.5	9.36
1/4	5.6	9.26

Curb	6.3	8.56
N. line E	5.7	9.16
25' West of India		
N. line E	5.5	9.36
Curb	5.9	8.96
1/4	6.4	8.46
Center	6.1	8.76
1/4	6.1	8.76
Curb	5.8	9.06
S. line E.	5.7	9.16
50' West of India		
S. line E.	5.6	9.26
Curb	5.7	9.16
1/4	6.2	8.66
Center	6.6	8.26
1/4	6.5	8.36
Curb	6.1	8.76
N. line E.	6.0	8.86

75' West of India

N. line E.	6.0	8.86
Curb	6.2	8.66
1/4	6.6	8.26
Center	6.6	8.26
1/4	6.3	8.56
Curb	6.0	8.86
S. line E.	6.0	8.86

100' West of India

S. line E.	6.0	8.86
Curb	6.1	8.76
1/4	6.3	8.56
Center	6.9	7.96
1/4	6.8	8.06
Curb	6.3	8.56
N. line E.	6.3	8.56

125' West of India

N. line E.	6.3	8.56
Curb	6.5	8.36
1/4	7.2	7.66
Center	7.1	7.76
1/4	6.6	8.26
Curb	6.4	8.46
S. line E.	6.2	8.66

150' West of India

S. line E.	6.4	8.46
Curb	6.6	8.26
1/4	6.7	8.16
Center	7.4	7.46
1/4	7.3	7.56
Curb	6.8	8.06
N. line E.	6.5	8.36

175' West of India

N. line E.	6.9	7.96
Curb	7.0	7.86
1/4	7.2	7.66
Center	7.5	7.36

19.62

1/4		7.2			7.66
Curb		6.9			7.96
S. line E.		6.5			8.36
		East line of Arctic			
S. line E		7.5			7.36
Curb		7.7			7.16
1/4		7.5			7.36
Center		7.4			7.46
1/4		7.0			7.86
Curb		7.2			7.66
N. line E		7.4			7.46
T. P.	8.54	3.22	20.18	11.64	
Hydt D + Columbia					
B. M.		0.60		19.58	(19.62)

1/10/03 Cross Section of 3rd St., from Walnut to Brookes

{Spk in tel Pole N.E. Brookes and 4th

B.M.	6.63	(290.85) 284.22	
South line Brookes			
E line 3rd	10.0		280.85
Curb	9.8		281.05
1/4	10.4		280.45
Center	10.9		279.95
1/4	11.2		279.65
Curb	11.9		278.95
W. line 3rd	12.0		278.85
575 25' South of Brookes			
W. line 3rd	11.7		279.15
Curb	11.3		279.55
1/4	11.1		279.75
Center	10.6		280.25
1/4	10.7		280.15
Curb	10.3		280.55
E. line 3rd	9.6		281.25
550 50' South Brookes			

E line 3rd	9.6	281.25
Curb	10.4	280.45
1/4	11.0	279.85
Center	11.1	279.75
1/4	11.0	279.85
Curb	11.9	278.95
W. line 3rd	12.2	278.65
525 75' South Brookes		
W. line 3rd	10.6	280.25
Curb	10.7	280.15
1/4	10.1	280.75
Center	10.0	280.85
1/4	9.8	281.05
Curb	8.9	281.95
E. line 3rd	8.2	282.65
500 100' South of Brookes		
E. line 3rd	6.1	284.75
Curb	6.7	284.15

1/4	7.8	283.05
Center	7.9	282.95
1/4	7.9	282.95
Curb	8.1	282.75
W. line 3rd	7.9	282.95
	4.75 125' South of Brooks	
W. line 3rd	5.0	285.85
Curb	5.4	285.45
1/4	5.5	285.35
Center	5.6	285.25
1/4	5.4	285.45
Curb	4.5	286.35
E. line 3rd	4.0	286.85
	4.5 150' South of Brooks	
E. line 3rd	3.4	287.45
Curb	3.6	287.25
1/4	4.1	286.75
Center	4.6	286.28

1/4	4.6	286.25
Curb	4.5	286.35
W. line 3rd	4.6	286.25
	200' South of Brooks	
W. line 3rd	4.7	286.15
Curb	4.7	286.15
1/4	4.6	286.25
Center	4.6	286.25
1/4	4.0	286.85
Curb	4.0	286.85
E. line 3rd	3.7	287.15
	3.5 250' South of Brooks	
E. line 3rd	4.0	286.85
Curb	4.2	286.65
1/4	4.4	286.45
Center	4.7	286.15
1/4	5.0	285.85
Curb	4.8	286.05

W. line 3rd		5.0			285.85
		300 300' South of Brookes			
W. line 3rd		5.3			285.55
Curb		5.3			285.55
1/4		5.3			285.55
Center		4.9			285.95
1/4		4.7			286.15
Curb		4.4			286.45
E. line 3rd		4.3			286.55
T. P.	3.87	3.96	289.96	(286.00) 286.89	
		350 350' South of Brookes			
E. line 3rd		3.8			286.16
Curb		3.9			286.06
1/4		4.1			285.86
Center		4.3			285.66
1/4		4.7			285.26
Curb		4.7			285.26
W. line 3rd		4.8			285.16

		200 400' South of Brookes	
W. line 3rd		5.1	284.86
Curb		5.0	284.96
1/4		4.9	285.06
Center		4.8	285.16
1/4		4.4	285.56
Curb		4.1	285.86
E. line 3rd		3.9	286.06
		1.00 450' South of Brookes	
E. line 3rd		4.3	285.66
Curb		4.4	285.56
1/4		4.7	285.26
Center		4.9	285.06
1/4		5.0	284.96
Curb		5.0	284.96
W. line 3rd		5.6	284.36
		100 500' South of Brookes	
W. line 3rd		6.0	283.96
Curb	Perp.	6.0	283.96
		5.6	284.36

1/4		5.5	284.46
Center		5.2	284.76
1/4		5.1	284.86
Curb		4.8	285.16
E. line 3rd		4.5	285.46
		550' South of Brooks	
E. line 3rd		4.9	285.06
Curb		5.2	284.76
1/4		5.2	284.76
Center		5.5	284.46
1/4		5.9	284.06
Curb	Perf. Pavk	6.1	283.86
		6.5	283.46
N. line 3rd		6.5	283.46
		North line of Walnut.	
N. line 3rd		7.2	282.76
Curb	Perf.	7.0	282.96
		6.4	283.56
1/4		6.2	283.76
Center		5.9	284.06

1/4		5.6		284.36
Curb		5.6		284.36
E. line 3rd		5.5		284.46
T. P.	3.53	2.53	290.96	287.43
" " Walnut + 5th	5.30	6.85	289.41	284.11
B. M.		4.68		(284.69) 284.73

1/10/08 Cross-section of 5th St. from A to Juniper

Hinge of Hy Ht, 5th + Ivy

B.M.	11.91		227.72	215.81		E. Gut.		1.5			226.21
		South line Juniper						50' South of Juniper			
E. Gutter		0.4			227.31	E. Gut.		2.4			225.31
5'		0.0			227.71	5'		2.1			225.61
1/4		0.1			227.61	1/4		2.0			225.71
16½ 2' East of Track		0.0			227.71	16½		2.1			225.61
16½ 2' West of Track		0.1			227.61	16½		2.1			225.61
1/4		0.2			227.51	1/4		2.1			225.61
5'		0.3			227.41	5'		2.4			225.31
W. Gutter		0.6			227.11	W. Gut.		2.5			225.21
		25' South of Juniper						75' South of Juniper			
W. Gut.		1.5			226.21	W. Gut.		3.5			224.21
5'		1.5			226.21	5'		3.0			224.71
1/4		1.0			226.71	1/4		3.0			224.71
16½		1.1			226.61	16½		3.0			224.71
16½		1.0			226.71	16½		3.1			224.61
1/4		1.1			226.61	1/4		3.0			224.71
5		1.0			226.71	5'		3.1			224.61

E. Gut.	3.4	224.31

100' South of Juniper

E. Gut.	4.4	223.31
5'	4.3	223.41
1/4	4.2	223.51
16½	4.2	223.51
16½	4.2	223.51
1/4	4.0	223.71
5'	4.1	223.61
W. Gutter	4.5	223.21

125' South of Juniper

W. Gutter	5.9	221.81
5'	5.4	222.31
1/4	5.2	222.51
16½	5.2	222.51
16½	5.3	222.41
1/4	5.4	222.31
5'	5.4	222.31

E. Gutter	5.6	222.12

150' South of Juniper

E. gutter	6.6	221.12
5'	6.3	221.42
1/4	6.4	221.32
16½	6.4	221.32
16½	6.3	221.42
1/4	6.2	221.52
5'	6.6	221.12
W. Gutter	6.8	220.92

175' South of Juniper

W. Gutter	8.0	219.72
5'	7.6	220.12
1/4	7.4	220.32
16½	7.4	220.32
16½	7.3	220.42
1/4	7.4	220.32
5'	7.6	220.12

E. Gutter		7.9			219.82
200' South of Juniper					
E. Gutter		9.0			218.72
5'		8.8			218.92
1/4		8.5			219.22
16½'		8.6			219.12
16½'		8.4			219.32
1/4		8.3			219.42
5		8.7			219.02
W. Gutter		8.9			218.82
225' South of Juniper					
W. Gutter		10.1			217.62
5'		9.8			217.92
1/4		9.6			218.12
16½		9.5			218.22
16½		9.6			218.12
1/4		9.5			218.22
5		9.7			218.02

E. Gutter		10.0			217.72
250' South of Juniper					
E. Gutter		11.3			216.42
5'		10.7			217.02
1/4		10.7			217.02
16½'		10.7			217.02
16½'		10.6			217.12
1/4		10.8			216.92
5'		10.9			216.82
W. Gutter		11.3			216.42
T. P.	0.29	10.09	217.91	217.62	
275' South of Juniper					
W. Gutter		2.7			215.21
5'		2.1			215.81
1/4		1.8			216.11
16½'		1.8			216.11
16½		1.9			216.01
1/4		1.8			216.11

5'	1.9	216.01
E. Gutter	2.8	215.11
North Line of Joy		
E. Gutter	3.3	214.61
5'	2.7	215.21
1/4	2.6	215.31
16½	2.7	215.21
16½	2.7	215.21
1/4	2.7	215.21
5'	3.3	214.61
N. Gutter	3.5	214.41
Curb, North Side of Joy		
N. line 5th	2.5	215.41
Gutter	3.9	214.01
5'	3.6	214.31
1/4	3.2	214.71
16½	3.2	214.71
16½	3.1	214.81

1/4	3.1	214.81
5'	3.7	214.21
Gutter	3.4	214.51
E. line 5th	2.1	215.81
1/4 North Side of Joy		
E. line 5th	1.6	216.31
2'	3.0	214.91
Gutter	3.7	214.21
5'	3.8	214.11
1/4	3.6	214.31
16½	3.6	214.31
16½	3.4	214.51
1/4	3.4	214.51
5'	3.8	214.11
Gutter	4.4	213.51
1.5	3.6	214.31
N. line 5th	3.3	214.61

Center of Ivy

N. line 5th	3.2	214.71
3'	3.5	214.41
↓ Gutter	4.5	213.41
5'	4.1	213.81
1/4	3.7	214.21
16½	3.7	214.21
16½	3.9	214.01
1/4	3.9	214.01
5'	3.7	214.21
Gutter	4.2	213.71
↑ 2'	3.3	214.61
E. line 5th	2.2	215.71

1/4 South Side of Ivy

E. line 5th	2.7	215.21
2'	4.0	213.91
↓ Gutter	4.7	213.21
5'	4.1	213.81
1/4	4.1	213.81
16½	4.2	213.71
16½	4.2	213.71
1/4	4.2	213.71
5'	4.6	213.31
Gutter	4.8	213.11
N. line 5th	3.4	214.51

Curb South Side of Ivy

N. line 5th	3.9	214.01
3'	4.7	213.21
↓ Gutter	5.4	212.51
5'	5.0	212.91
1/4	4.7	213.21
16½	4.7	213.21
16½	4.6	213.31
1/4	4.6	213.31
5'	4.4	213.51
Gutter	5.3	212.61
↑ 3	4.2	213.71

B. line 5th	3.8	214.11

South line Joy

E. Gutter	6.0	211.91
5'	5.2	212.71
1/4	5.1	212.81
16½	5.1	212.81
16½	5.2	212.71
1/4	5.1	212.81
5'	5.5	212.41
W. Gutter	5.5	212.41

25' South of Joy

W. Gutter	6.9	211.01
5'	6.4	211.51
1/4	6.3	211.61
16½	6.3	211.61
16½	6.2	211.71
1/4	6.3	211.61
5'	6.4	211.51

E. Gutter	7.2	210.71

50' South of Joy

E. Gutter	8.4	209.51
5'	7.7	210.21
1/4	7.5	210.41
16½'	7.4	210.51
16½	7.3	210.61
1/4	7.5	210.41
5'	7.6	210.31
W. Gutter	8.0	209.91

75' South of Joy

W. Gutter	9.1	209.81
5'	8.7	209.21
1/4	8.7	209.21
16½	8.6	209.31
16½	8.6	209.31
1/4	8.8	209.11
5'	8.9	209.01

E. Gutter		9.6			208.01
		100' South of Joy			
E. Gutter		10.8			207.11
5'		10.2			207.71
1/4		9.9			208.01
16½		9.9			208.01
16½		9.9			208.01
1/4		10.0			207.91
5'		10.1			207.81
W. Gutter		10.8			207.11
		125' South of Joy			
W. Gutter		12.0			205.91
5'		11.4			206.51
1/4		11.2			206.71
16½		11.1			206.81
16½		11.3			206.61
1/4		11.5			206.41
5'		11.7			206.21

E. Gutter		12.0			205.91
T. P.	0.26	11.42	206.75	206.49	
		150' South of Joy			
E. Gutter		2.0			204.75
5'		1.5			205.25
1/4		1.2			205.55
16½		1.1			205.65
16½		1.0			205.75
1/4		1.1			205.65
5		1.7			205.05
W. Gutter		2.0			204.75
		175' South of Joy			
W. Gutter		3.2			203.55
5'		2.5			204.25
1/4		2.2			204.55
16½		2.2			204.55
16½		2.2			204.55
1/4		2.2			204.55

5'	2.5	204.25
E. Gutter	3.1	203.65
200' South of Soy		
E. Gutter	4.0	202.75
5'	3.4	203.35
1/4	3.4	203.35
16½'	3.4	203.35
16½	3.5	203.25
1/4	3.5	203.25
5'	3.8	202.95
W. Gutter	4.3	202.45
225' South of Soy.		
W. Gutter	5.5	201.25
5'	5.0	201.75
1/4	4.6	202.15
16½	4.7	202.05
16½	4.7	202.05
1/4	4.6	202.15

5'	4.5	202.25
E. Gutter	5.2	201.55
250' South of Soy		
E. Gutter	6.3	200.45
5'	5.7	201.05
1/4	5.8	200.95
16½	5.9	200.85
16½	5.8	200.95
1/4	5.8	200.85
5'	6.3	200.45
W. Gutter	6.7	200.05
275' South of Soy		
W. Gutter	7.8	198.95
5'	7.4	199.35
1/4	7.0	199.75
16½	6.9	199.85
16½	7.0	199.75
1/4	7.0	199.75

5'	7.0	199.75
E. Gutter	7.7	199.05
North line Hawthorne		
E. Gutter	8.6	198.15
5'	8.1	198.65
1/4	8.1	198.65
16½	8.2	198.55
16½	8.0	198.75
1/4	8.0	198.75
5'	8.4	198.35
W. Gutter	8.9	197.85
Cent North side Hawthorn		
W. line 5th	8.8	197.95
Gutter	9.2	197.55
5	9.0	197.75
1/4	8.8	197.95
16½	8.6	198.15
16½	8.6	198.15

1/4	8.7	198.05
5'	8.7	198.05
Gutter	8.9	197.85
E. line 5th	8.5	198.25
1/4 North line Hawthorn		
E. line 5th	8.8	197.95
Gutter	9.6	197.15
5'	9.3	197.45
1/4	9.2	197.55
16½	9.2	197.55
16½	9.1	197.65
1/4	9.2	197.55
5'	9.6	197.15
Gutter	10.0	196.75
W. line 5th	9.3	197.45
Center Hawthorn		
W. line 5th	10.5	196.25
Gutter	10.5	196.25

5'	10.0	196.75
1/4	9.8	196.95
16½	9.6	197.15
16½	9.5	197.25
1/4	9.6	197.15
5'	9.9	196.85
Gutter	10.3	196.45
↑ 3'	9.7	197.05
E. line 5th	9.4	197.35
1/4 South side Hawthorn		
E. line 5th	9.8	196.95
2'	10.1	196.65
↓ Gutter	10.6	196.15
5'	10.1	196.65
1/4	10.1	196.65
16½	10.0	196.75
16½	10.0	196.75
1/4	10.2	196.55

5'	10.4	196.35
Gutter	10.7	196.05
W. line 5th	10.8	195.95
Curb South side Hawthorn		
W. line 5th	10.8	195.95
Gutter	10.9	195.85
5'	10.9	195.85
1/4	10.5	196.25
16½	10.4	196.35
16½	10.4	196.35
1/4	10.5	196.25
5'	10.4	196.35
Gutter	10.6	196.15
E. line 5th	10.8	195.95
South line Hawthorn		
E. Gutter	11.5	195.25
5	10.9	195.85
1/4	11.1	195.65

16½		11.1			195.65
16½		11.1			195.65
1/4		11.2			195.55
5'		11.3			195.45
W. Gutter		11.5			195.25
T. P.	0.17	11.83	195.09	194.92	
	25' South of Hawthorn				
W. Gutter		1.4			193.70
5'		0.9			194.20
1/4		0.9			194.20
16½		0.6			194.50
16½		0.7			194.40
1/4		0.7			194.40
5'		0.4			194.70
E. Gutter		1.1			194.00
	50' South of Hawthorn				
E. Gutter		2.7			192.40
5'		2.3			192.80

1/4		2.0			193.10
16½		2.1			193.00
16½		2.1			193.00
1/4		2.0			193.10
5'		2.2			192.90
W. Gutter		2.5			192.60
	75' South of Hawthorn				
W. Gutter		4.3			190.80
5'		3.9			191.20
1/4		3.7			191.40
16½		3.5			191.60
16½		3.5			191.60
1/4		3.6			191.50
5'		3.5			191.60
E. Gutter		4.1			191.00
	100' South of Hawthorn				
E. Gutter		5.6			189.50
5'		5.4			189.70

1/4	5.3	189.80
16½	5.2	189.90
16½	5.2	189.90
1/4	5.2	189.90
5	5.1	190.00
W. Gutter	5.6	189.50

125' South of Hawthorn

W. Gutter	7.0	188.10
5'	6.5	188.60
1/4	6.6	188.50
16½	6.5	188.60
16½	6.5	188.60
1/4	6.5	188.60
5'	6.6	188.50
E. Gutter	7.2	187.90

150' South of Hawthorn

E. Gutter	8.7	186.40
5'	8.1	187.00
1/4	7.9	187.20
16½	7.9	187.20
16½	7.9	187.20
1/4	8.0	187.10
5'	8.2	186.90
W. Gutter	8.4	186.70

175' South of Hawthorn

W. Gutter	10.0	185.10
5'	9.4	185.70
1/4	9.3	185.80
16½	9.3	185.80
16½	9.5	185.60
1/4	9.6	185.50
5'	9.7	185.40
E. Gutter	10.1	185.00

200' South of Hawthorn

E. Gutter	11.6	183.50
5'	11.1	184.00

1/4		11.2			183.90
16½		11.1			184.00
16½		10.7			184.40
1/4		10.8			184.30
5'		10.8			184.30
W. Gutter		11.5			183.60
T. P.	1.35	11.42	185.02	183.67	

225' South of Hawthorn

W. Gutter	2.5		182.52
5'	2.2		182.82
1/4	2.0		183.02
16½	2.0		183.02
16½	2.3		182.72
1/4	2.2		182.82
5'	2.1		182.92
E. Gutter	2.8		182.22

250' South of Hawthorn

E. Gutter	4.4		180.62
5'	3.8		181.22
1/4	3.7		181.32
16½	3.7		181.32
16½	3.6		181.42
1/4	3.6		181.42
5'	3.7		181.32
W. Gutter	3.9		181.12

275' South of Hawthorn

W. Gutter	5.7		179.32
5'	5.0		180.02
1/4	5.0		180.02
16½	4.9		180.12
16½	5.1		179.92
1/4	5.2		179.82
5'	5.2		179.82
E. Gutter	5.7		179.32

North line Grope

E. Gutter	7.0		178.02

5'		6.4			178.62
1/4		6.3			178.72
16 1/2		6.4			178.62
16 1/2		6.2			178.82
1/4		6.2			178.82
5'		6.3			178.72
W. Gutter		6.6			178.42
Spk in El. Pole T. P.	3.21	8.44	179.79	176.58	
	Curb	North	Side of	Grade	
E. line 5th		1.3			178.50
Gutter		1.6			178.20
2'		2.2			177.60
5'		1.7			178.10
1/4		1.5			178.30
16 1/2		1.6			178.20
W. 16 1/2		1.4			178.40
1/4		1.6			178.20
5		1.9			177.90

Gutter		2.2			177.60
4'		1.5			178.30
W. line 5th		0.8			179.00
	1/4	North	Side of	Grade	
W. line 5th		1.6			178.20
Gutter		2.7			177.10
5'		2.4			177.40
1/4		2.0			177.80
16 1/2		1.9			177.90
16 1/2		1.9			177.90
1/4		1.9			177.90
6'		2.0			177.80
5'		2.4			177.40
2.5'		2.8			177.00
Gutter		2.0			177.80
E. line 5th		1.7			178.10
		Center	Grade		
E. line 5th		2.2			177.60

Gutter	Rep. { 2.4 / 3.1	177.40 / 176.70
5'	2.6	177.20
1/4	2.4	177.40
16 1/2	2.3	177.50
16 1/2	2.2	177.60
1/4	2.4	177.40
5'	2.8	177.00
Gutter	3.1	176.70
W. line 5th	1.8	178.00

1/4 South Side Grade

W. line 5th	2.5	177.30
Gutter	3.4	176.40
5'	3.1	176.70
1/4	2.9	176.90
16 1/2	2.7	177.10
16 1/2	2.7	177.10
1/4	2.7	177.10
5'	2.8	177.00

Gutter	Rep. { 3.3 / 2.8	176.50 / 177.00
E. line 5th	2.5	177.30

Curb South Side Grade

E. line 5th	3.0	176.80
Gutter	Rep. { 3.0 / 3.7	176.80 / 176.10
5'	3.2	176.60
1/4	3.0	176.80
16 1/2	3.0	176.80
16 1/2	3.0	176.80
1/4	3.3	176.50
5	3.4	176.40
4'	3.8	176.00
Gutter	3.7	176.10
W. line 5th	2.7	177.10

South line Grade

W. Gutter	3.9	175.90
5'	4.3	175.50
7	3.9	175.90

1/4	3.7	176.10
16 1/2	3.5	176.30
16 1/2	3.5	176.30
1/4	3.5	176.30
5'	3.6	176.20
E. Gutter	4.1	175.70
	25' South of Grape	
E. Gutter	5.7	174.10
5'	5.2	174.60
1/4	4.9	174.90
16 1/2	4.9	174.90
16 1/2	5.0	174.80
1/4	5.2	174.60
5'	5.3	174.50
W. Gutter	5.3	174.50
	50' South of Grape	
W. Gutter	7.0	172.80
4'	7.2	172.60
5'	6.8	173.00
1/4	6.7	173.10
16 1/2	6.6	173.20
16 1/2	6.5	173.30
1/4	6.4	173.40
5'	6.6	173.20
E. Gutter	7.2	172.60
	75' South of Grape	
E. Gutter	8.6	171.20
5'	8.2	171.60
1/4	8.0	171.80
16 1/2	8.0	171.80
16 1/2	8.1	171.70
1/4	8.1	171.70
5'	8.2	171.60
3.5	8.7	171.10
W. Gutter	8.5	171.30

100' South of Grape

W. Gutter	9.9	169.90
↓ 4'	10.1	169.70
5'	9.8	170.00
1/4	9.7	170.10
16½	9.6	170.20
16½	9.6	170.20
1/4	9.6	170.20
5'	9.8	170.00
E. Gutter	10.3	169.50

125' South of Grape

E. Gutter	11.9	167.90
5'	11.4	168.40
1/4	11.1	168.70
16½	11.1	168.70
16½	11.2	168.60
1/4	11.5	168.30
5'	11.6	168.20
W. Gutter	11.6	168.20

T. P.	0.18	11.63	168.34	168.16

150' South of Grape

E. Gutter	1.8	166.54
5'	1.2	167.14
1/4	1.2	167.14
16½	1.2	167.14
16½	1.2	167.14
1/4	1.3	167.04
5	1.5	166.84
W. Gutter	1.8	166.54

175' South of Grape

W. Gutter	3.3	165.04
5'	3.2	165.14
1/4	2.9	165.44
16½	2.8	165.54
16½	2.8	165.54
1/4	2.9	165.44
5'	2.9	165.44

E. Gutter	3.4	164.94
200' South of Grape		
E. Gutter	4.9	163.44
5	4.5	163.84
1/4	4.4	163.94
16½	4.3	164.04
16½	4.4	163.94
1/4	4.5	163.84
5	4.8	163.54
W. Gutter	5.0	163.34
225' South of Grape		
W. Gutter	6.2	162.14
4'	6.7	161.64
5'	6.0	162.34
1/4	5.8	162.54
16½	5.8	
16½	5.9	162.44
1/4	6.0	162.34

5'	6.0	162.34
E. Gutter	6.6	161.74
250' South of Grape		
E. Gutter	8.4	159.94
5'	7.8	160.54
1/4	7.5	160.84
16½	7.5	160.84
16½	7.4	160.94
1/4	7.6	160.74
5'	7.5	160.84
W. Gutter	7.9	160.44
275' South of Grape		
W. Gutter	9.2	159.14
5'	9.0	159.34
1/4	8.8	159.54
16½	8.8	159.54
16½	8.8	159.54
1/4	9.0	159.34

5'	8.9	159.44
E. Gutter	9.4	158.94
North line of Fir		
E. Gutter	10.9	157.44
5'	10.5	157.84
1/4	10.1	158.24
16½	10.0	158.34
16½	9.9	158.44
1/4	10.1	158.24
5'	10.1	158.24
W. Gutter	10.2	158.14
Curb North side Fir		
W. line 5th	10.5	157.84
Gutter	10.7	157.64
5'	10.5	157.84
1/4	10.4	157.94
16½	10.4	157.94
16½	10.4	157.94

1/4	10.6	157.74
5'	10.5	157.84
Gutter	11.4	156.94
8'	10.6	157.74
E. line 5th	10.4	157.94
1/4 North side Fir		
E. line 5th	10.7	157.64
6'	10.9	157.44
Gutter	11.6	156.74
5'	11.3	157.04
1/4	10.8	157.54
16½	10.7	157.64
16½	10.6	157.74
1/4	10.6	157.74
5'	10.5	157.84
Gutter	11.0	157.34
W. line 5th	10.8	157.54

Center Fir

W. line 5th	11.1	157.24
Gutter	11.3	157.04
5'	11.0	157.34
1/4	10.8	157.54
16½	10.9	157.44
16½	11.2	157.14
1/4	11.2	157.14
5	11.7	156.64
Gutter	11.9	156.44
6'	11.2	157.14
E. line 5th	11.0	157.34

1/4 South Side Fir

E. line 5th	11.4	156.94
6'	11.4	156.94
5'	12.2	156.14
Gutter	12.2	156.14
5'	11.9	156.44
1/4	11.4	156.94
16½	11.3	157.04
16½	11.2	157.14
1/4	11.2	157.14
5'	11.3	157.04
Gutter	11.5	156.84
W. line 5th	11.4	156.94
Rough Hy'dt 5th & Fir	(168.38) corrected	160.27
B.M.	8.11	160.23
T.P.	0.66 11.63 157.41 156.75	

Curb South Side Fir

W. line 5th	0.8	156.60
Gutter	1.1	156.30
5'	1.0	156.40
1/4	0.7	156.70
16½	0.6	156.80
16½	0.6	156.80
1/4	0.7	156.70
5'	1.1	156.30
2'	1.6	155.80

Gutter	1.6	155.80
E. line 5th	0.9	156.50
South line Fir		
Gutter	1.7	155.70
5'	1.6	155.80
1/4	1.0	156.40
16 1/2	1.0	156.40
16 1/2	1.0	156.40
1/4	1.0	156.40
5'	0.9	156.50
3'	1.5	155.90
↑ Gutter	1.5	155.90
25' South of Fir		
N. Gutter	2.9	154.50
↓ 2.5	3.1	154.30
5'	2.3	155.10
1/4	2.2	155.20
16 1/2	2.0	155.40

16 1/2	2.0	155.40
1/4	2.2	155.20
5'	2.6	154.80
E. Gutter	3.0	154.40
50' South of Fir		
E. Gutter	4.4	153.00
5'	4.0	153.40
1/4	3.7	153.70
16 1/2	3.4	154.00
16 1/2	3.3	154.10
1/4	3.4	154.00
5'	3.6	153.80
N. Gutter	4.1	153.30
75' South of Fir		
N. Gutter	5.2	152.20
5'	5.8	151.60
6'	4.9	152.50
1/4	4.7	152.70

16 1/2	4.6	152.80
16 1/2	4.7	152.70
1/4	4.9	152.50
5'	5.2	152.20
E. Gutter	5.4	152.00
	100' South of Fir	
E. Gutter	6.5	150.90
5'	6.4	151.00
1/4	6.1	151.30
16 1/2	5.9	151.50
16 1/2	5.9	151.50
1/4	5.8	151.60
6'	6.1	151.30
5'	6.5	150.90
W. Gutter	6.4	151.00
	125' South of Fir	
W. Gutter	7.5	149.90
5'	7.8	149.60

Gutter 6'	7.2	150.20
1/4	7.1	150.30
16 1/2	7.1	150.30
16 1/2	7.1	150.30
1/4	7.3	150.10
5'	7.3	150.10
E. Gutter	7.8	149.60
	150' South of Fir	
E. Gutter	8.7	148.70
5'	8.6	148.80
1/4	8.5	148.90
16 1/2	8.5	148.90
16 1/2	8.3	149.10
1/4	8.3	149.10
5'	8.8	148.60
W. Gutter	8.9	148.50
	175' South of Fir	
W. Gutter	10.2	147.20

5'		10.3			147.10
1/4		9.4			148.00
16 1/2		9.4			148.00
16 1/2		9.6			147.80
1/4		9.7			147.70
5'		9.9			147.50
E. Gutter		9.9			147.50
		200' South of Fir			
E. Gutter		11.2			146.20
5'		11.2			146.20
1/4		10.9			146.50
16 1/2		10.8			146.60
16 1/2		10.7			146.70
1/4		10.7			146.70
5'		11.1			146.30
W. Gutter		11.3			146.10
T. P.	0.27	11.03	146.65	146.38	

	225' South of Fir	
W. Gutter	1.7	144.95
5'	1.3	145.35
1/4	1.0	145.65
16 1/2	1.0	145.65
16 1/2	1.1	145.55
1/4	1.3	145.35
5'	1.4	145.25
E. Gutter	2.0	144.65
	250' South of Fir	
E. Gutter	3.0	143.65
5'	2.5	144.15
1/4	2.8	143.85
16 1/2	2.5	144.15
16 1/2	2.1	144.55
1/4	2.3	144.35
5'	2.5	144.15
W. Gutter	3.0	143.65

275' South of Fir

N. Gutter	4.2	142.45
5'	3.8	142.85
1/4	3.4	143.25
16½	3.2	143.45
16½	3.4	143.25
1/4	3.8	142.85
5'	Perp. {3.5 4.3	143.15 142.35
S. Gutter	4.2	142.45

North line Elm

S. Gutter	5.2	141.45
5'	4.8	141.85
1/4	4.4	142.25
16½	4.3	142.35
16½	4.2	142.45
1/4	4.2	142.45
5'	4.8	141.85
N. Gutter	5.1	141.55

Cont. North Side Elm

N. line 5th	5.0	141.65
5'	5.1	141.55
Gutter	5.4	141.25
5'	5.1	141.55
1/4	4.7	141.95
16½	4.5	142.15
16½	4.8	141.85
1/4	5.0	141.65
5'	5.2	141.45
Gutter	5.6	141.05
5'	5.0	141.65
S. line 5th	4.8	141.85

1/4 North Side Elm

S. line 5th	5.0	141.65
6'	5.1	141.55
Gutter	6.0	140.65
5'	5.4	141.25
1/4	5.1	141.55

16½	4.9	141.75
16½	4.8	141.85
1/4	4.9	141.75
5'	5.6	141.05
Gutter	5.7	140.95
↓ 4'	5.1	141.55
N. line 5th	5.4	141.25

Center Elm

N. line 5th	5.4	141.25
4'	5.4	141.25
↑ Gutter	6.2	140.45
5'	5.9	140.75
1/4	5.3	141.35
16½	5.1	141.55
16½	5.2	141.45
1/4	5.3	141.35
5'	5.6	141.05
Gutter	6.2	140.45
↓ 6'	5.4	141.25
S. line 5th	5.5	141.15

1/4 South Side Fir

S. line 5th	5.8	140.85
5'	5.8	140.85
↑ Gutter	6.5	140.15
5'	5.8	140.85
1/4	5.8	140.85
16½	5.6	141.05
16½	5.3	141.35
1/4	5.4	141.25
7'	5.8	140.85
5	6.3	140.35
Gutter	6.2	140.45
↓ 4'	5.7	140.95
N. line 5th	6.2	140.45

Curb South Side Elm

N. line 5th	6.2	140.45

4'	6.2	140.45
Gutter	5.8	140.85
5'	6.2	140.45
1/4	5.7	140.95
16½	5.6	141.05
16½	5.9	140.75
1/4	6.0	140.65
6'	6.0	140.65
5	6.2	140.45
Gutter	6.8	139.85
E. line 5th	5.8	140.85
South line Elm		
E. Gutter	7.1	139.55
5'	6.5	140.15
1/4	6.4	140.25
16½	6.2	140.45
16½	6.0	140.65
1/4	6.1	140.55

5'	6.4	140.25
W. Gutter	6.9	139.75
25' South of Elm		
W. Gutter	7.7	138.95
5'	7.7	138.95
7'	7.1	139.55
1/4	6.9	139.75
16½	6.9	139.75
16½	7.0	139.65
1/4	7.0	139.65
5'	7.1	139.55
E. Gutter	7.8	138.85
50' South of Elm		
E. Gutter	8.7	137.95
5'	8.2	138.45
1/4	7.8	138.85
16½	7.7	138.95
16½	7.8	138.85

1/4		7.8			138.85
5'		8.0			138.65
W. Gutter		8.5			138.15
	75' South of Elm				
W. Gutter		9.4			137.25
5'		8.8			137.85
1/4		8.6			138.05
16½		8.6			138.05
16½		8.6			138.05
1/4		8.6			138.05
5'		8.8			137.85
E. Gutter		9.4			137.25
	100' South of Elm				
E. Gutter		10.0			136.65
5'		9.5			137.15
1/4		9.6			137.05
16½		9.5			137.15
16½		9.4			137.25

1/4		9.5			137.15
5'		9.6			137.05
W. Gutter		10.6			136.05
T. P.	0.20	9.54	137.31'	137.11	
	125' South of Elm				
E. Gutter		1.4			135.91
4'		1.3			136.01
5'		0.9			136.41
1/4		0.9			136.41
16½		0.8			136.51
16½		0.8			136.51
1/4		0.8			136.51
5'		1.2			136.11
4'		1.9			135.41
W. Gutter		2.0			135.31
	150' South of Elm				
W. Gutter		2.5			134.81
5'		2.6			134.71

7'	1.8	135.61
1/4	1.7	135.61
16 1/2	1.7	135.61
16 1/2	1.7	135.61
1/4	1.6	135.71
5'	1.7	135.61
2.5	2.1	135.21
Gutter	2.1	135.21
175' South of Elm		
E. Gutter	3.0	134.31
3.5	3.1	134.21
5'	2.6	134.61
1/4	2.5	134.81
16 1/2	2.5	134.81
16 1/2	2.4	134.91
1/4	2.5	134.81
5	3.0	134.31
3'	3.6	133.71

W. Gutter	3.3	134.01
200' South of Elm		
W. Gutter	3.9	133.41
4'	4.1	133.21
5'	3.5	133.81
1/4	3.1	134.21
16 1/2	3.2	134.11
16 1/2	3.2	134.11
1/4	3.2	134.11
5'	3.4	133.91
3'	4.0	133.31
E. Gutter	3.9	133.41
225' South of Elm		
E. Gutter	4.7	132.61
4'	4.7	132.61
5'	4.0	133.31
1/4	4.0	133.31
16 1/2	4.0	133.31

16½	3.9	133.41
1/4	3.8	133.51
5'	4.1	133.21
3'	4.7	132.61
N. Gutter	4.8	132.51

250' South of Elm

N. Gutter	5.2	132.11
4'	5.2	132.11
5'	4.8	132.51
1/4	4.7	132.61
16½	4.8	132.51
16½	4.7	132.61
1/4	4.9	132.41
5	5.2	132.11
E. Gutter	5.1	132.21

275' South of Elm

E. Gutter	5.5	131.81
5'	5.7	131.61

133.68

1/4	5.3	132.01
16½	5.3	132.01
16½	5.4	131.91
1/4	5.6	131.71
5'	5.6	131.71
N. Gutter	5.7	131.61

North line Date

N. Gutter	6.5	130.81
5'	6.2	131.11
1/4	6.1	131.21
16½	6.1	131.21
16½	5.9	131.41
1/4	6.0	131.31
5	6.2	131.11
E. Gutter	6.1	131.21

Curb North side Date

E. line Sth	6.0	131.31
Gutter	6.5	130.81

5'	6.4	130.91
1/4	6.3	131.01
16 1/2	6.3	131.01
16 1/2	6.4	130.91
1/4	6.5	130.81
5'	6.4	130.91
Gutter	6.6	130.71
W. line 5th	6.7	130.61
	1/4 North side Date	
W. line 5th	6.3	131.01
Gutter	6.9	130.41
5'	6.7	130.61
1/4	6.6	130.71
16 1/2	6.5	130.81
16 1/2	6.6	130.71
1/4	6.6	130.71
5'	6.7	130.61
Gutter	6.8	130.51

8'	6.8	130.91
E. line 5th	6.0	131.81
	Center Date	
E. line 5th	6.0	131.31
8'	6.9	130.41
Gutter	7.0	130.31
5'	7.0	130.31
1/4	6.7	130.61
16 1/2	6.6	130.61
16 1/2	6.7	130.61
1/4	6.9	130.41
5'	7.0	130.31
Gutter	7.1	130.21
W. line 5th	6.5	130.81
	1/4 South side Date	
W. line 5th	7.0	130.31
Gutter	7.0	130.31
5'	7.2	130.11

4		7.0			130.31
16½		6.9			130.41
16½		6.9			130.41
1/4		7.0			130.31
5'		7.2			130.11
Gutter		7.3			130.01
5'		7.3			130.01
8'		6.7			130.61
E. line 5th		6.2			131.11
	Curb South Side Date				
E. line 5th		7.2			130.11
Gutter		7.6			129.71
5'		7.4			129.91
1/4		7.2			130.11
16½		7.2			130.11
16½		7.2			130.11
1/4		7.3			130.01
5		7.6			129.71

Gutter		7.6			129.61
W. line 5th		7.0			130.31
	South line Date				
W. Gutter		7.7			129.61
5'		7.8			129.51
1/4		7.4			129.91
16½		7.4			129.91
16½		7.5			129.81
1/4		7.5			129.81
5'		7.8			129.51
E. Gutter		7.8			129.51
T. P.	0.99	8.50	129.80	128.81	
	25' South of Date				
E. Gutter		1.4			128.40
5'		1.4			128.40
6'		1.0			128.80
1/4		1.2			128.60
16½		0.9			128.90

6½	0.8	129.0
1/4	0.8	129.0
6'	0.9	128.90
5'	1.3	128.50
N. Gutter	1.0	128.80
50' South of Date		
N. Gutter	2.3	127.50
5'	2.2	127.60
6'	1.8	128.00
1/4	1.7	128.10
16½	1.7	128.10
16½	1.8	128.00
1/4	1.8	128.00
5'	2.2	127.60
S. Gutter	2.4	127.40
75' South of Date		
S. Gutter	3.4	126.40
5'	3.1	126.70

1/4	2.7	127.10
16½	2.8	127.00
16½	2.7	127.10
1/4	2.8	127.00
7	2.9	126.90
5	3.4	126.40
N. Gutter	3.1	126.70
100' South of Date		
N. Gutter	3.9	125.90
5'	4.0	125.80
1/4	3.8	126.00
16½	3.8	126.00
16½	3.7	126.10
1/4	3.6	126.20
5	3.8	126.00
S. Gutter	3.8	126.00
125' South of Date		
S. Gutter	4.8	125.00

5'	5.2	124.60
6'	4.8	125.00
1/4	4.6	125.20
16½	4.7	125.10
16½	4.7	125.10
1/4	4.6	125.20
5'	4.7	125.10
W. Gutter	5.1	124.70

150' South of Date

W. Gutter	5.9	123.90
5	5.6	124.20
1/4	5.4	124.40
16½	5.6	124.20
16½	5.7	124.10
1/4	5.8	124.00
5	5.7	124.10
3	6.2	123.60
E. Gutter	6.3	123.50

175' South of Date

E. Gutter	7.2	122.60
4'	7.2	122.60
5'	6.8	123.00
1/4	6.6	123.20
16½	6.5	123.30
16½	6.6	123.20
1/4	6.5	123.30
5'	6.6	123.20
W. Gutter	7.1	122.70

200' South of Date

W. Gutter	8.0	121.80
3'	8.0	121.80
5'	7.6	122.20
1/4	7.5	122.30
16½	7.5	122.30
16½	7.5	122.30
1/4	7.7	122.10
6	7.4	122.40

5		7.8			122.00
E. Gutter		8.0			121.80
on Stop T. P	0.44	6.98	128.26	122.82	
225' South of Date					
E. Gutter		2.2			121.06
5'		2.4			120.86
1/4		2.0			121.26
16½		1.9			121.36
16½		1.9			121.36
1/4		1.8			121.46
5'		2.1			121.16
3'		2.7			120.56
W. Gutter		2.2			121.06
250' South of Date					
W. Gutter		3.4			119.86
3'		3.5			119.76
5'		3.0			120.26
1/4		2.8			120.46

16½		2.8			120.46
16½		2.6			120.66
1/4		3.0			120.26
7'		3.1			120.16
5'		3.6			119.66
2'		3.5			119.76
E. Gutter		2.8			120.46
275' South of Date					
E. Gutter		4.1			119.16
2'		4.5			118.76
5'		3.7			119.56
1/4		3.7			119.56
16½		3.7			119.56
16½		3.7			119.56
1/4		3.8			119.46
5'		4.0			119.26
3'		4.6			118.66
W. Gutter		4.3			118.96

North line of Cedar

N. Gutter	5.2	118.06
3'	5.6	117.66
5'	5.0	118.26
1/4	4.8	118.46
16½	4.7	118.56
16½	4.9	118.36
1/4	5.1	118.16
5'	5.1	118.16
3'	5.6	117.66
E. Gutter	5.3	117.96

Curb North side of Cedar

E. line 5th	5.4	117.86
1.5	5.5	117.76
Gutter	6.0	117.26
5'	5.8	117.46
7'	5.4	117.86
1/4	5.5	117.76
16½	5.4	117.86
16½	5.1	118.16
1/4	5.1	118.16
5'	5.6	117.66
N. Gutter	6.0	117.26
N. line 5th	5.7	117.56

1/4 North side Cedar

N. line 5th	5.8	117.46
4'	6.0	117.26
Gutter	6.5	116.76
5'	5.9	117.36
1/4	5.7	117.56
16½	5.5	117.76
16½	5.8	117.46
1/4	6.0	117.26
5'	5.9	117.36
2.5	6.3	116.96
Gutter	6.3	116.96
5'	6.3	116.96

7'	5.6	117.66
E. line 5th	5.4	117.86
	Center of Cedar	
E. line 5th	5.5	117.76
6'	5.9	117.36
5'	6.6	116.66
Gutta	6.6	116.66
5'	6.1	117.16
1/4	6.4	116.86
16½	6.2	117.06
16½	6.0	117.26
1/4	6.0	117.26
5'	6.6	116.66
Gutta	6.8	116.46
W. line 5th	6.3	116.96
	1/4 South side Cedar	
W. line 5th	6.9	116.36
2'	6.9	116.36

Gutta	7.3	115.96
5'	7.2	116.06
1/4	6.5	116.76
16½	6.4	116.86
16½	6.5	116.76
1/4	6.6	116.66
5'	6.5	116.76
Gutta	6.8	116.46
4'	7.0	116.26
E. line 5th	5.8	117.46
	Cut South side Cedar	
E. line 5th	6.0	117.26
5'	6.8	116.46
Gutta	7.5	115.76
5'	7.3	115.96
1/4	6.7	116.56
16½	6.8	116.46
16½	6.8	116.46

5'	7.6	115.66
Gutter	7.8	115.46
N. line 5th	7.7	115.56
South line Cedar		
N. Gutter	7.9	115.36
5'	8.0	115.26
1/4	7.6	115.66
16½	7.5	115.76
16½	7.4	115.86
1/4	7.3	115.96
5'	7.6	115.66
2'	8.2	115.06
E. Gutter	7.8	115.46
25' South of Cedar		
E. Gutter	8.9	114.36
2'	9.6	113.66
5'	9.3	113.96
8'	8.7	114.56

1/4	8.6	114.66
16½	8.6	114.66
16½	8.8	114.46
1/4	8.9	114.36
5'	8.9	114.36
3'	9.6	113.66
N. Gutter	9.2	114.06
50' South of Cedar		
N. Gutter	10.7	112.56
4'	10.9	112.36
5'	10.6	112.66
1/4	10.4	112.86
16½	10.3	112.96
16½	10.2	113.06
1/4	10.0	113.26
7'	10.3	112.96
5'	10.9	112.36
E. Gutter	10.5	112.76

T.P.	0.63	11.13	112.76	112.13	
		75' South of Cedar			
E. Gutter		1.6			111.16
5'		2.0			110.76
10'		1.5			111.26
1/4		1.1			111.66
16½		1.2			111.56
16½		1.2			111.56
1/4		1.3			111.46
5'		1.9			110.86
W. Gutter		1.3			111.46
		100' South of Cedar			
W. Gutter		3.4			109.36
4'		3.5			109.26
5'		3.2			109.56
1/4		2.7			110.06
16½		2.7			110.06
16½		2.6			110.16

1/4		2.5			110.26
7'		2.8			109.96
5'		3.3			109.46
E. Gutter		3.2			109.56
		125' South of Cedar			
E. Gutter		4.3			108.46
3'		5.1			107.66
5'		4.6			108.16
1/4		4.3			108.46
16½		4.3			108.46
16½		4.3			108.46
1/4		4.4			108.36
5'		4.6			108.16
W. Gutter		4.9			107.86
		150' South of Cedar			
W. Gutter		6.3			106.46
2'		6.6			106.16
5'		6.1			106.66

1/4	5.8	106.96
16½	5.8	106.96
16½	5.8	106.96
1/4	5.9	106.86
5'	6.4	106.36
2'	6.7	106.06
E. Gutter	6.3	106.46
	175' South of Cedar	
E. Gutter	7.5	105.26
2'	7.9	104.86
5'	7.5	105.26
1/4	7.4	105.36
16½	7.3	105.46
16½	7.3	105.46
1/4	7.4	105.36
5'	7.5	105.26
W. Gutter	8.0	104.76

	200' South of Cedar	
W. Gutter	9.6	103.16
5'	9.2	103.56
1/4	9.0	103.76
16½	8.9	103.86
16½	8.8	103.96
1/4	8.8	103.96
5'	9.3	103.46
2'	9.4	103.36
E. Gutter	9.1	103.66
	225' South of Cedar	
E. Gutter	10.5	102.26
2'	10.9	101.86
5'	10.7	102.06
1/4	10.4	102.36
16½	10.3	102.46
16½	10.3	102.46
1/4	10.4	102.36
5'	10.7	102.06

N. Gutter		11.1			101.66
T. P.	0.81	11.08	101.99	101.68	
250' South of Cedar					
N. Gutter		1.5			100.5
5'		1.4			100.6
1/4		1.1			100.9
16½		1.0			101.00
16½		0.8			101.20
1/4		0.8			101.2
5'		1.4			100.6
2'		1.6			100.4
E. Gutter		1.2			100.8
275' South of Cedar					
E. Gutter		2.5			99.5
2'		2.9			99.1
5'		2.7			99.3
1/4		2.3			99.7
16½		2.3			99.7
16½		2.3			99.7
1/4		2.4			99.6
5'		2.8			99.2
N. Gutter		3.1			98.9
North line Beech					
N. Gutter		4.4			97.6
5'		4.0			98.0
1/4		3.7			98.3
16½		3.6			98.4
16½		3.5			98.5
1/4		3.4			98.6
5'		3.5			98.5
2'		4.2			97.8
E. Gutter		3.9			98.1
Curb North side Beech					
E. line 5th		3.7			98.3
Gutter		4.6			97.4
3'		4.5			97.5

5'	4.1	97.9
1/4	3.8	98.2
16½	3.8	98.2
16½	4.0	98.0
1/4	4.1	97.9
5'	4.6	97.4
Gutter	4.9	97.1
W. line 5th	4.6	97.4

1/4 North side Beech

W. line 5th	4.8	97.2
3'	5.0	97.0
Gutter	5.4	96.6
5'	4.9	97.1
1/4	4.6	97.4
16½	4.4	97.6
16½	4.3	97.7
1/4	4.3	97.7
5'	4.4	97.6

Gutter	4.9	97.1
5.5'	5.3	96.7
7'	4.4	97.6
E. line 5th	4.1	97.9

Center of Beech

E. line 5th	4.4	97.6
4'	4.9	97.1
Gutter	5.6	96.4
5'	5.0	97.0
1/4	4.6	97.4
16½	4.6	97.4
16½	4.8	97.2
1/4	4.9	97.1
5'	5.3	96.7
Gutter	5.9	96.1
4'	5.4	96.6
W. line 5th	4.9	97.1

1/4 South side Beech

W. line 5th	5.6	96.4
4'	5.7	96.3
Gutter	6.2	95.8
5'	5.6	96.4
1/4	5.2	96.8
16½	5.1	96.9
16½	5.0	97.0
1/4	5.0	97.0
5'	5.3	96.7
5'	5.8	96.2
Gutter	5.8	96.2
E. line 5th	4.8	97.2

Curb South side Beech

E. line 5th	5.2	96.8
Gutter	6.1	95.9
5'	5.6	96.4
1/4	5.3	96.7
16½	5.4	96.6
16½	5.4	96.6
1/4	5.5	96.5
5'	6.0	96.0
Gutter	6.5	96.5
W. line 5th	5.8	96.2

South line Beech

W. Gutter	6.8	95.4
5'	6.7	95.3
1/4	5.9	96.1
16½	5.9	96.1
16½	5.9	96.1
1/4	5.8	96.2
5'	6.1	95.9
E. Gutter	6.2	95.8

25' South of Beech

E. Gutter	7.8	94.2
5'	7.0	95.0
1/4	7.1	94.9

16½		7.1		94.9
16½		7.2		94.8
1/4		7.3		94.7
5'		7.6		94.4
W. Gutter		8.0		94.0
	50' South of Buck			
W. Gutter		9.3		92.7
5'		8.9		93.1
1/4		8.5		93.5
16½		8.5		93.5
16½		8.6		93.4
1/4		8.5		93.5
5'		8.5		93.5
E. Gutter		9.1		92.9
	75' South of Buck			
E. Gutter		10.5		91.5
2'		10.0		92.0
5'		9.6		92.4

1/4		9.5		92.5
16½		9.7		92.3
16½		10.0		92.0
1/4		10.0		92.0
5'		10.1		91.9
W. Gutter		10.7		91.3
	100' South of Buck			
W. Gutter		12.0		90.0
5'		11.9		90.9
1/4		11.4		90.6
16½		11.3		90.7
16½		11.1		90.9
1/4		11.1		90.9
5'		10.9		91.1
3'		11.5		90.5
E. Gutter		11.7		90.3
T. P.	0.17	11.26	90.90	90.73

125' South of Buck

E. Gutter	2.0	88.90
5'	1.7	89.20
1/4	1.5	89.40
16½	1.4	89.50
16½	1.5	89.40
1/4	1.7	89.20
5'	2.0	88.90
W. Gutter	2.3	88.60

150' South of Buck

W. Gutter	3.7	87.20
5'	3.4	87.50
1/4	3.1	87.80
16½	2.9	88.00
16½	2.8	88.10
1/4	2.7	88.20
5'	2.9	88.00
2'	3.4	87.50
E. Gutter	3.2	87.70

175' South of Buck

E. Gutter	4.9	86.00
5'	4.4	86.50
1/4	4.1	86.80
16½	4.2	86.70
16½	4.2	86.70
1/4	4.1	86.80
5'	4.8	86.10
3'	5.4	85.50
W. Gutter	5.0	85.90

200' South of Buck

W. Gutter	6.6	84.30
5'	6.5	84.40
1/4	5.8	85.10
16½	5.7	85.20
16½	5.6	85.30
1/4	5.4	85.50
8'	5.3	85.60
5'	5.8	85.10

E. Gutter	5.7	85.20
	225' South of Beech	
E. Gutter	7.1	83.80
5'	7.2	83.70
1/4	6.9	84.00
16½	6.9	84.00
16½	7.1	83.80
1/4	7.3	83.60
5'	7.7	83.20
W. Gutter	8.4	82.50
	250' South of Beech	
W. Gutter	9.5	81.40
3'	9.5	81.40
5'	9.0	81.90
1/4	8.6	82.30
16½	8.4	82.50
16½	8.3	82.60
1/4	8.4	82.50
5'	8.3	82.60
E. Gutter	8.5	82.40
	275' South of Beech	
E. Gutter	9.8	81.10
4'	9.7	81.20
5'	9.3	81.60
1/4	9.4	81.50
16½	9.5	81.40
16½	9.6	81.30
1/4	10.0	80.90
5'	10.3	80.60
3'	10.7	80.20
W. Gutter	10.7	80.20
T. P.	0.80 11.15	80.55 79.75
	North line of Ash	
W. Gutter	1.8	78.75
5'	1.5	79.05
1/4	0.7	79.85

16½	0.5	80.05
16½	0.3	80.25
1/4	0.3	80.25
5'	0.2	80.35
3'	0.8	79.75
E. Gutter	0.5	80.05

Cent North side of ash

E. line 5th	0.3	
Gutter	1.2	79.35
3'	2.0	78.55
5'	1.1	79.45
1/4	0.9	79.65
16½	0.9	79.65
16½	1.0	79.55
1/4	1.3	79.25
5'	1.6	78.95
Gutter	2.5	78.05
W. line 5th	1.9	78.65

1/4 North side of ash

W. line 5th	2.2	78.35
5'	2.7	7785
Gutter	2.2	78.35
5'	2.0	78.55
1/4	1.6	78.95
16½	1.4	79.15
16½	1.3	79.25
1/4	1.4	79.15
5'	1.4	79.15
Gutter	2.3	78.25
3'	1.6	78.95
E. line 5th	0.8	79.75

Center ash

E. line 5th	1.1	79.45
3'	2.0	78.55
Gutter	2.5	78.05
5'	2.0	78.55
1/4	1.7	78.85

16½	1.7	78.85
16½	1.8	78.75
1/4	2.2	78.35
5'	2.5	78.05
Gutter	3.0	77.55
W. line 5th	2.5	78.05

1/4 South side of ash

W. line 5th	3.1	77.45
Gutter	3.3	77.25
5'	3.2	77.35
1/4	2.6	77.95
16½	2.3	78.25
16½	2.1	78.45
1/4	2.2	78.35
5'	2.3	78.25
Gutter	2.8	78.75
E. line 5th	1.8	78.75

Cont. South side of ash

E. line 5th	2.3	78.25
Gutter	3.0	77.55
5'	2.5	78.05
1/4	2.6	77.95
16½	2.5	78.05
16½	2.7	77.85
1/4	3.0	77.55
5'	3.4	77.15
Gutter	4.0	76.55
W. line 5th	3.6	76.95

South line of ash

W. Gutter	4.1	76.45
5'	4.1	76.45
1/4	3.3	77.25
16½	3.2	77.35
16½	3.1	77.45
1/4	3.1	77.45
5'	3.2	77.35
E. Gutter	3.6	76.95

X 137 E. St.
from West Line 4th to East Line of
Third,
from North Line Walnut
to South Line Brooks

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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