Levels. Gutters in First Street. From [illegible] Street Brackets to [illegible] University [illegible]

Page [illegible] to 21

Estimate for Grading of "L" Street from East line of 16th Street to West line of 25th St.

Page 22 to 42
" 48 to 54

Cross-Sections of Witherby St. from 3rd to 4th Street.

Page 43 to 44.

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Levels to Show Elevation of R.R. Tracks at 19th and N. Sts.

Page 45 to 45

Levels to determine Elevations at which Curbs and Side-walks have been Constructed.

Page 46 to 47

Estimate of cost of Guttering Fish St. from E. line 5th to W. line 8th

Page 55 to 61.

Cross-Sections of Alley in Blk. 42 Hortons. P. 63

[illegible] sections of 20th St. D to E

[illegible] C to E. P. 64 to 69

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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.

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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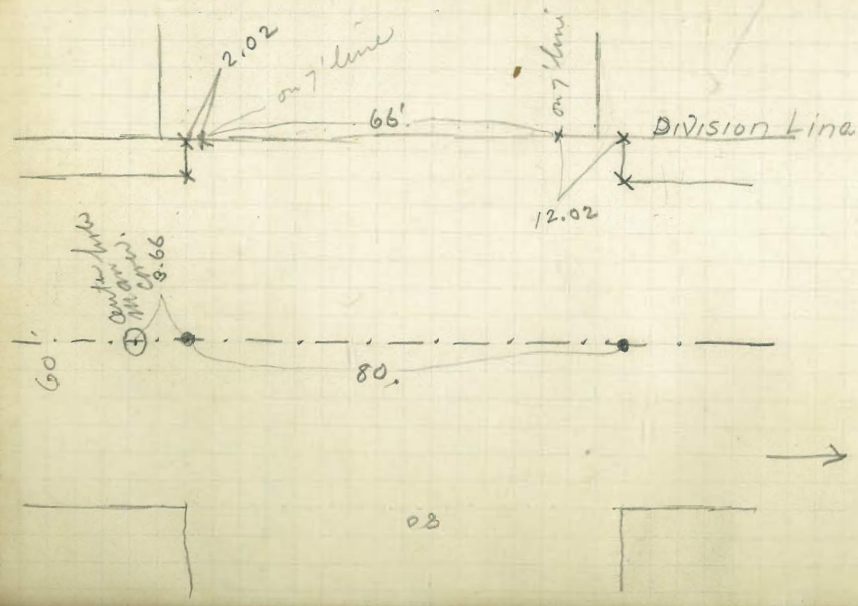
Cross-sections of Ivy St. from 4th St. to W. line Park.
Page 70 to 73.

Cross-sections of Alley in Block bounded by 4th + 5th Brookes and Thornton
Page 73-74.


2.02
on 7' line
66'
on 7' line
Division Line
12.02
3.66
60
80
08

5th St. Gutters.

455' So. of Brooks (W. 5th)

b.		5.6	288.26	✓282.66
2'		5.9		✓282.36
5'		5.7		✓282.56

430.5' So. of Brooks (W.

b.		5.6		✓282.66
2'		6.0		✓282.26
5'		5.9		✓282.36

405.5' So. of Brooks (W.

b.		6.0		✓282.26
2'		6.1		✓282.16
5'		6.1		✓282.16

380.5' So. of Brooks (W.

b.		6.1		✓282.16
2'		6.2		✓282.06
5'		6.2		✓282.06
T.P.	3.27	5.90	285.63	282.36

350' So. of Brooks (W. 5th)

b.	3.5 285.63	✓	282.13
2'	3.9	✓	281.73
5'	3.8	✓	281.83

325' So. of Brooks (W. 5th)

b.	3.8	✓	281.83
2'	4.2	✓	281.43
5'	4.0	✓	281.63

300' So. of Brooks. (W.

b.	3.8	✓	281.83
2'	4.4	✓	281.23
5'	4.2	✓	281.43

275' So. of Brooks. (W.

b.	4.2	✓	281.43
2'	4.6	✓	281.03
5'	4.6	✓	281.03

250' So. of Brooks. (W.

b.	4.4	✓	281.23
2'	4.6 285.63	✓	281.03
5'	4.8	✓	280.83

225' So. of Brooks. (W.

b.	4.6	✓	281.03
2'	4.9	✓	280.73
5'	5.0	✓	280.63

200' So. of Brooks. (W.

b.	4.7	✓	280.93
2'	5.0	✓	280.63
5'	5.1	✓	280.53

175' So. of Brooks. (W.

b.	4.8	✓	280.83
2'	5.1	✓	280.53
5'	5.1	✓	280.53

150' So. of Brooks. (W.

b.	4.8	✓	280.83
2'	5.1	✓	280.53
5'	5.1	✓	280.53

125' So. of Brookes (W. 5th)

b.	5.2	285.63	✓ 280.43
2'	5.4		✓ 280.23
5'	5.0		✓ 280.63

100' So. of Brookes. (W. 5th)

b.	5.4	✓ 280.23
2'	5.5	✓ 280.13
5'	5.5	✓ 280.13

75' So. of Brookes. (W. 5th)

b.	5.7	✓ 279.93
2'	5.7	✓ 279.93
5'	5.5	✓ 280.13

50' So. of Brookes. (W.

b.	5.8	✓ 279.83
2'	5.9	✓ 279.73
5'	5.7	✓ 279.93

25' So. of Brookes. (W.

b.	6.0		✓ 279.63
2'	6.0	285.63	✓ 279.63
5'	5.7		✓ 279.93

So. line of Brookes. (W. 5th)

b.	5.8	✓ 279.83
2'	5.9	✓ 279.73
5'	5.7	✓ 279.93

300' So. of Brookes. (E. 5th)

b.	4.1	✓ 281.53
2'	4.6	✓ 281.03
5'	4.5	✓ 281.13

275' So. of Brookes. (E.

b.	4.3	✓ 281.33
2'	5.0	✓ 280.63
5'	4.8	✓ 280.83

250' So. of Brookes. (E. ✓ 280.93

b.	4.7	✓ 280.23
2'	5.4	✓ 280.53
5'	5.1	

225' So. of Brookes (E

b,	4.9	285.63	✓ 280.73
2'	5.5		✓ 280.13
5'	5.2		✓ 280.43

200' So. of Brookes (E

b,	4.9		✓ 280.73
2'	5.6		✓ 280.03
5'	5.4		✓ 280.23

175' So. of Brookes (E

b,	5.3		✓ 280.33
2'	5.8		✓ 279.83
5'	5.5		✓ 280.13

150' So. of Brookes (E

b,	5.4		✓ 280.23
2'	5.8		✓ 279.83
5'	5.5		✓ 280.13

125' So. of Brookes (E

b,	5.5		✓ 280.13
2'	6.0	285.63	✓ 279.63
5'	5.8		✓ 279.83

100' So. of Brookes

b,	5.6		✓ 280.03
2'	6.1		✓ 279.53
5'	5.8		✓ 279.83

75' So. of Brookes.

b,	5.8		✓ 279.83
2'	6.3		✓ 279.33
5'	6.0		✓ 279.63

50' So. of Brookes.

b,	6.0		✓ 279.63
2'	6.3		✓ 279.33
5'	6.1		✓ 279.53

25' So. of Brookes

b,	6.1		✓ 279.53
2'	6.6		✓ 279.03
5'	6.4		✓ 279.23

So. line of Brooks (E. 5th)

b.	6.3	285.63	✓ 279.33
2'	6.8		✓ 278.83
5'	6.5		✓ 279.13
T.P.	4.77	4.79	Hyd. 5th + Brooks 285.61 280.84

20' No. of So. line Brooks (E. 5th)

b.	6.2	✓ 279.43
2'	6.6	✓ 279.03
5'	6.3	✓ 279.33

40' No. of So. line Brooks (E. 5th)

b.	6.0	✓ 279.63
2'	6.1	✓ 279.53
5'	6.3	✓ 279.33

No. line Brooks (E. 5th.)

b.	6.1	✓ 279.53
2'	6.0	✓ 279.63
5'	6.1	✓ 279.53

20' No. So. line Brooks (W. 5th)

b.	6.0	285.61 ✓ 279.61
2'	5.9	✓ 279.71
5'	5.8	✓ 279.81

40' No. So. line Brooks (W. 5th)

b.	5.9	✓ 279.71
2'	6.0	✓ 279.61
5'	5.8	✓ 279.81

~~No. line Brooks. (W. 5th~~

~~b. 6.2~~

~~2' 6.0~~

~~5' 5.8~~

NULL

No. line Brook. (W.

b.	6.1	✓ 279.51
2'	6.4	✓ 279.21
5'	6.0	✓ 279.61

25' No. of Brooks. (W. 5th

b.	6.2	✓ 279.41

2'	6.2	285.61	279.41
5'	6.1		279.51

50' No. of Brooks (W. 5th)

b.	6.1		279.51
2'	6.2		279.41
5'	5.9		279.71

75' No. of Brooks (W. 5th)

b.	6.1		279.51
2'	6.0		279.61
5'	6.0		279.61

100' No. of Brooks (W. 5th)

b	6.0		279.61
2'	5.9		279.71
5'	5.9		279.71

125 No. of Brooks (W. 5th)

b.	5.9		279.71
2'	6.0		279.61
5'	5.8		279.81

150' No. of Brooks (W. 5th)

b.	5.9	285.61	279.71
2'	5.9		279.71
5'	5.9		279.71

175 No. of Brooks (W. 5th)

b.	5.8		279.81
2'	5.9		279.71
5'	5.9		279.71

200' No. of Brooks (W. 5th)

b.	5.6		280.01
2'	5.8		279.81
5'	5.8		279.81

225' No. of Brooks (W. 5th)

b.	5.6		280.01
2'	5.8		279.81
5'	5.6		280.01

250' No. of Brooks (W. 5th)

b.	5.3		280.31

2'	5.5	285.61	280.11
5'	5.5		280.11

275 No. of Brooks. (W. Sh)

b.	5.3		280.31
2'	5.4		280.21
5'	5.4		280.21

300' No. of Brooks (W.

b.	5.3		280.31
2'	5.3		280.31
5'	5.3		280.31

325' No. of Brooks (W

b.	5.2		280.41
2'	5.2		280.41
5'	5.2		280.41

350' No. of Brooks (W.

b.	5.0		280.61
2'	5.2		280.41
5'	5.0		280.61

375 No. of Brooks (W. Sh)

b.	4.9	285.61	280.71
2'	5.1		280.51
5'	5.0		280.61

400' No. of Brooks (W

b.	4.7		280.91
2'	5.0		280.61
5'	4.9		280.71

425 No. of Brooks. (W.

b.	4.5		281.11
2'	4.8		280.81
5'	4.8		280.81

450 No. of Brooks. (W.

b.	4.3		281.31
2'	4.6		281.01
5'	4.6		281.01

475 No. of Brooks. (W.

b.	4.3		281.31

2'	4.4	285.61	✓ 281.21
5'	4.4		✓ 281.21
500' No. of Brooks (W, 5th,			
b,	4.0		✓ 281.61
2'	4.4		✓ 281.21
5'	4.1		✓ 281.51
525' No. of Brooks. (W,			
b,	4.1		✓ 281.51
2'	4.2		✓ 281.41
5'	4.1		✓ 281.51
550' No. of Brooks. (W,			
b,	3.7		✓ 281.91
2'	3.9		✓ 281.71
5'	3.9		✓ 281.71
575' No. of Brooks. (W)			
b.	3.9		✓ 281.71
2'	3.9		✓ 281.71
5'	3.8		✓ 281.81

So. line of Thornton, (W, side.)

b,	3.7	285.61	✓ 281.91
2'	3.8		✓ 281.81
5'	3.8		✓ 281.81

d'Hemecourt
Fortina, Davis

Nov. 1/02.			
T. P.	5.23	286.07	280.84
25' No. of Brooks. (E, 5th.)			
b.	6.7		✓ 279.37
2'	6.6		✓ 279.47
5'	6.6		✓ 279.47
50' No. of Brooks (E.)			
b	6.8		✓ 279.27
2'	6.7		✓ 279.37
5'	6.7		✓ 279.37
75' No. of Brooks (E.)			
b	6.5		✓ 279.57
2	6.5		✓ 279.57
5	6.5		✓ 279.57

100' No. of Brooks (E.

b	6.7	286.07	✓ 279.37
2'	6.5		✓ 279.57
5'	6.4		✓ 279.67

125' No. of Brooks (E.

b.	6.5		✓ 279.57
2'	6.4		✓ 279.67
5'	6.3		✓ 279.77

150' No. of Brooks (E.

b.	6.6		✓ 279.47
2'	6.6		✓ 279.47
5'	6.5		✓ 279.57

175' No. of Brooks (E.

b.	6.2		✓ 279.87
2'	6.3		✓ 279.77
5'	6.4		✓ 279.67

200' No. of Brooks (E.

b.	6.1		✓ 279.97
2'	6.1	286.07	✓ 279.97
5	6.2		✓ 279.87

225' No. of Brooks (E. 5th)

b.	6.1		✓ 279.97
2'	5.8		✓ 280.27
5'	5.8		✓ 280.27

250' No. of Brooks (E. 5th,

b.	6.8		✓ 279.27
2'	6.3		✓ 279.77
5'	5.6		✓ 280.47

275' No. of Brooks (E. 5th)

b.	6.1		✓ 279.97
2'	5.9		✓ 280.17
4'	5.6		✓ 280.47

300' No. of Brooks (E

b.	6.0		✓ 280.07
2'	5.7		✓ 280.37
5	5.3		✓ 280.77

325' No. of Brooks (E,

b,	5.5	286.07	280.57
2'	5.7		280.37
5'	5.4		280.67

350' No. of Brooks (E,

b,	5.7		280.37
2'	5.7		280.37
5'	5.4		280.67

375' No. of Brooks (E

b,	5.6		280.47
2'	5.6		280.47
5'	5.4		280.67

400' No. of Brooks (E.

b,	5.8		280.27
2'	5.7		280.37
5'	5.3		280.77

425' No of Brooks (E

b,	5.5		280.57
2'	5.3	286.07	280.77
5'	5.1		280.97

450' No. of Brooks

b,	5.1		280.97
2'	5.3		280.77
5'	5.0		281.07

475' No. of Brooks

b,	4.9		281.17
2'	5.3		280.77
5'	4.9		281.17

500' No. of Brooks

b,	4.3		281.77
2'	5.0		281.07
5'	4.8		281.27

525' No. of Brooks

b	4.8		281.27
2'	5.0		281.07
5'	4.6		281.47

550' No. of Brooks, (E. 5th)

b,		4.4	286.07	√ 281.67
2'		4.6		√ 281.47
5'		4.5		√ 281.57

575' No. of Brooks (E. 5th)

b,		4.4		√ 281.67
2'		4.5		√ 281.57
5'		4.4		√ 281.67

So. line of Thornton (E. 5th)

b,		4.2		√ 281.87
2'		4.4		√ 281.67
5'		4.2		√ 281.87
T.P.	6.07	2.90	289.24	283.17
B.M,		6.78		282.46
B.M.	6.78		289.35	282.57

20' No. of So. line. Thornton (E.)

b		7.5	289.35	√ 281.85
2'		7.4		√ 281.95
5'		7.3		√ 282.05

40' No. E.

b.		7.2		√ 282.15
2'		7.4		√ 281.95
5'		7.1		√ 282.25

No. line Thornton (E. 5th)

b,		7.0		√ 282.35
2'		7.2		√ 282.15
5'		7.0		√ 282.35

25' No. of Thornton (E. 5th)

b.		6.9		√ 282.45
2'		7.3		√ 282.05
5'		6.9		√ 282.45

50' No. of Thornton (E.

b,		6.6		√ 282.75

2'	6.8	289.35	✓	282.55
5'	6.7		✓	282.65
75' No.			(E	
b.	6.3		✓	283.05
2'	6.6		✓	282.75
5'	6.3		✓	283.05
100' No.			E.	
b.	6.2		✓	283.15
2'	6.5		✓	282.85
5'	6.2		✓	283.15
125' No.			E.	
b.	6.0		✓	283.35
2'	6.2		✓	283.15
5'	6.0		✓	283.35
150' No.			E.	
b.	5.6		✓	283.75
2'	5.9		✓	283.45
5'	5.7		✓	283.65

175' No.		289.35	(E.	
b.	5.6		✓	283.75
2'	5.9		✓	283.45
5'	5.6		✓	283.75
200' No.			(E.	
b.	5.3		✓	284.05
2'	5.7		✓	283.65
5'	5.4		✓	283.95
225' No.			(E	
b.	5.1		✓	284.25
2'	5.4		✓	283.95
5'	5.2		✓	284.15
250' No.			(E	
b.	5.2		✓	284.15
2'	5.3		✓	284.05
5	5.1		✓	284.25
275' No.			(E.	
b.	5.0		✓	284.35

2'		5.2	289.35	✓ 284.15
5'		4.9		✓ 284.45
	300' No.			E
b.		4.9		✓ 284.45
2'		4.7		✓ 284.65
		4.4		✓ 284.95
	325' No.			E
b.		4.5		✓ 284.85
		4.8		✓ 284.55
		4.4		✓ 284.95
	350' No.			E
b.		4.3		✓ 285.05
		4.8		✓ 284.55
		4.3		✓ 285.05
	375' No.			E
b.		4.1		✓ 285.25
		4.4		✓ 284.95
		4.1		✓ 285.25

	400' No.		289.35	E
b.		4.1		✓ 285.25
		4.1		✓ 285.25
		3.8		✓ 285.55
	425' No.			E
b.		3.6		✓ 285.75
		3.8		✓ 285.55
		3.6		✓ 285.75
	450' No.			E
b.		3.7		✓ 285.65
		3.4		✓ 285.95
		3.3		✓ 286.05
	475' No			E
b.		3.5		✓ 285.85
		3.1		✓ 286.25
		3.0		✓ 286.35
	500' No.			E
b.		3.0		✓ 286.35

2'		2.8	289.35	✓ 286.55
5'		2.7		✓ 286.65
	525' No.			(E
b.		2.9		✓ 286.45
		2.6		✓ 286.75
		2.6		✓ 286.75
	550' No.			(E
b.		2.5		✓ 286.85
		2.6		✓ 286.75
		2.5		✓ 286.85
	575' No.			(E
b.		2.5		✓ 286.85
		2.5		✓ 286.85
		2.4		✓ 286.95
	So. line of Robinson			(E
b.		2.0		✓ 287.35
		2.0		✓ 287.35
		2.1		✓ 287.25

	20' No. of So. line Thornton			(W. 5th)
b.		7.3	289.35	✓ 282.05
2'		7.3		✓ 282.05
5'		7.1		✓ 282.25
	40' No.			(W.
b		7.1		✓ 282.25
2		7.2		✓ 282.15
5'		7.1		✓ 282.25
	No. line of Thornton			(W. 5th.)
b.		6.9		✓ 282.45
2'		7.0		✓ 282.35
5'		7.0		✓ 282.35
	25' No.			(W.
b.		6.7		✓ 282.65
		6.9		✓ 282.45
		6.9		✓ 282.45
	50' No.			(W.
b.		6.8		✓ 282.55

	6.8	289.35	✓ 282.55
	6.6		✓ 282.75
75' No.			(W.
b.	6.5		✓ 282.85
	6.5		✓ 282.85
	6.6		✓ 282.75
100' No.			(W.
b.	6.4		✓ 282.95
2'	6.3		✓ 283.05
5'	6.2		✓ 283.15
125' No.			(W.
b.	6.0		✓ 283.35
	6.1		✓ 283.25
	6.0		✓ 283.35
150' No.			(W.
b.	5.8		✓ 283.55
	5.9		✓ 283.45
	5.9		✓ 283.45

175' No.		289.35	(W.
b.	5.7		✓ 283.65
	5.7		✓ 283.65
	5.5		✓ 283.85
200' No.			(W.
b.	5.3		✓ 284.05
	5.5		✓ 283.85
	5.5		✓ 283.85
225' No.			(W.
b.	5.3		✓ 284.05
	5.3		✓ 284.05
	5.3		✓ 284.05
250' No.			(W.
b.	5.2		✓ 284.15
	5.1		✓ 284.25
	5.0		✓ 284.35
275' No.			(W.
b.	4.9		✓ 284.45

	5.0	289.35	✓ 284.35
	4.9		✓ 284.45
300' No.			(W.
b.	4.8		✓ 284.55
2'	4.8		✓ 284.55
5'	4.8		✓ 284.55
325' No.			(W.
b.	4.6		✓ 284.75
2'	4.7		✓ 284.65
5'	4.6		✓ 284.75
350' No.			(W.
b.	4.4		✓ 284.94
	4.5		✓ 284.85
	4.4		✓ 284.95
375' No.			(W.
b.	4.2		✓ 285.15
	4.2		✓ 285.15
	4.1		✓ 285.25

400' No.		289.35	(W.
b.	3.9		✓ 285.45
	4.0		✓ 285.35
	3.8		✓ 285.55
425' No.			(W.
b.	3.7		✓ 285.65
	3.8		✓ 285.55
	3.8		✓ 285.55
450' No.			(W.
b	3.6		✓ 285.75
	3.7		✓ 285.65
	3.6		✓ 285.75
475' No.			(W.
b.	3.3		✓ 286.05
	3.3		✓ 286.05
	3.3		✓ 286.05
500' No.			(W.
b.	3.1		✓ 286.25

	3.2	289.35		286.15
	3.0			286.35
525' No.				(W.
b.	3.0			286.35
	3.0			286.35
	2.8			286.55
550' No.				(W.
b.	2.7			286.65
	2.8			286.55
	2.6			286.75
575' No.				(W.
b.	2.5			286.85
	2.6			286.75
	2.4			286.95
So. line of Robinson				(W. 5th
b.	2.3			287.05
2'	2.3			287.05
5'	2.0			287.35

T.P.	5.81	1.67	293.49	287.68
20' No. of So. line Robinson				(W. 5th.
b.	6.3			287.19
	6.4			287.09
	6.1			287.39
40' No. of So.				(W.
b.	6.1			287.39
2'	6.2			287.29
5'	6.0			287.49
No. line of Robinson				(W. 5th)
b.	5.9			287.59
2'	6.0			287.49
5'	5.7			287.79
25' No.				(W.
b.	6.0			287.49
	5.8			287.69
	5.4			288.09

	50' No.		293.49	(W.
b.		5.8		✓ 287.69
	2'	5.7		✓ 287.79
	5'	5.4		✓ 288.09
	75' No.			(W.
b.		5.6		✓ 287.89
	2'	5.7		✓ 287.79
	5'	5.3		✓ 288.19
	100' No.			(W.
b.		5.5		✓ 287.99
		5.4		✓ 288.09
		5.0		✓ 288.49
	125' No.			(W.
b.		5.2		✓ 288.29
		5.4		✓ 288.09
		4.9		✓ 288.59
	150' No.			W.
b.		5.2		✓ 288.29

	2'	5.2	293.49	✓ 288.29
		4.7		✓ 288.79
	175' No.			(W. 5ch.)
b.		5.0		✓ 288.49
		5.0		✓ 288.49
		4.7		✓ 288.79
	200' No.			(W. 5ch.)
b.		4.9		✓ 288.59
		4.8		✓ 288.69
		4.5		✓ 288.99
	225' No.			(W.
b.		4.7		✓ 288.79
		4.6		✓ 288.89
		4.4		✓ 289.09
	250' No.			(W.
b.		4.6		✓ 288.89
		4.7		✓ 288.79
		4.3		✓ 289.19

	275' No,	293.49	(W, 5th.)	
b.	4.7			✓ 288.79
	4.5			✓ 288.99
	4.2			✓ 289.29
	300' No.		(W,	
b.	4.4			✓ 289.09
	4.5			✓ 288.99
	4.2			✓ 289.29
	325' No.		(W,	
b.	4.3			✓ 289.19
	4.3			✓ 289.19
	4.1			✓ 289.39
	350' No,		(W,	
b,	4.1			✓ 289.39
	4.2			✓ 289.29
	4.0			✓ 289.49
	375' No,		(W,	
b,	4.0			✓ 289.49

	2'	4.1	293.49	✓ 289.39
		4.0		✓ 289.49
	400' No.			(W,
b.		3.9		✓ 289.59
		3.9		✓ 289.59
		3.7		✓ 289.79
	So. line University Ave.			(W.
b		3.5		✓ 289.99
	2'	3.5		✓ 289.99
	5'	3.4		✓ 290.09
	20' No. of So. line Robinson			(E. 5th
b,		6.0		✓ 287.49
	2'	6.1		✓ 287.39
	5'	6.0		✓ 287.49
	40' No. of So. line Pat			(E
b,		5.8		✓ 287.69
	2'	6.0		✓ 287.49
	5'	5.8		✓ 287.69

No. line of Robinson - E. 5th,

b.	5.9	293.49	✓ 287.59
2'	6.1		✓ 287.39
5'	5.9		✓ 287.59
25' No.			(E
b	5.9		✓ 287.59
2'	5.9		✓ 287.59
5'	5.8		✓ 287.69
50' No.			(E,
b.	5.8		✓ 287.69
2'	5.8		✓ 287.69
5'	5.6		✓ 287.89
75' No.			(E,
b.	5.7		✓ 287.79
2'	5.6		✓ 287.89
5'	5.4		✓ 288.09
100' No.			(E
b.	5.4		✓ 288.09
2'	5.3	293.49	✓ 288.19
5'	5.2		✓ 288.29
125' No of			(E
b.	5.1		✓ 288.39
	5.4		✓ 288.09
	5.2		✓ 288.29
150' No. of			(E.
b.	5.0		✓ 288.49
	5.2		✓ 288.29
	4.9		✓ 288.59
175' No			(E
b.	5.0		✓ 288.49
	5.0		✓ 288.49
	4.7		✓ 288.79
200' No			(E,
b.	4.9		✓ 288.59
	4.9		✓ 288.59
	4.7		✓ 288.79

	225' No.	293.49	(E,
b.	4.6		✓ 288.89
2'	4.7		✓ 288.79
5'	4.6		✓ 288.89
	250' No.		(E,
b.	4.6		✓ 288.89
	4.8		✓ 288.69
	4.6		✓ 288.89
	275' No.		(E,
@.	5.0		✓ 288.49
	4.9		✓ 288.59
	4.7		✓ 288.79
	300' No.		(E.
b.	4.7		✓ 288.79
	4.7		✓ 288.79
	4.6		✓ 288.89
	325' No.		(E
b.	4.3		✓ 289.19

	4.3	293.49	✓ 289.19
	4.3		✓ 289.19
	350' No.		(E.
b.	4.1		✓ 289.39
2'	4.1		✓ 289.39
5'	4.1		✓ 289.39
	375' No.		(E.
b.	4.1		✓ 289.39
	3.9		✓ 289.59
	3.9		✓ 289.59
	400' No.		(E
b.	3.5		✓ 289.99
2'	3.6		✓ 289.89
5'	3.7		✓ 289.79
	So. line University Ave.		(E.
b.	3.5		✓ 289.99
	3.6		✓ 289.89
	3.6		✓ 289.89

Estimate of the cost of grading L. st. from 16th to 24th

B.M. at 16th and M.					
B.M.	4.83		22.97	18.14	
T.P.	11.71	2.07	32.61	20.90	
B.M. (new)		8.81		23.80	16th & L.
East line of 16th. st.					
So. line		10.2			22.41
" Curb		9.8			22.81
" 1/4		9.4			23.21
Center		9.3			23.31
No. 1/4		9.1			23.51
No. Curb		9.1			23.51
No. line		8.0			24.61
25' East of E. line 16th.					
No. line		6.1			26.51
" Curb		7.4			25.21
" 1/4		7.9			24.71
Center		8.0			24.61

11/5/02 { d'Hemecourt, Fortiner, Davis

So. 1/4	8.1	24.51
So. Curb	8.8	23.81
So. line	8.9	23.71
50' East of E. line of 16th.		
So. line	6.5	26.11
" Curb	6.6	26.01
" 1/4	6.4	26.21
Center	6.5	26.11
No. 1/4	6.5	26.11
" Curb	5.7	26.91
" line	4.2	28.41
75' East of E. line of 16th.		
No. line.	2.1	30.51
Curb	4.1	28.51
No. 1/4	4.0	28.61
Center	5.0	27.61
So. 1/4	4.9	27.71
" Curb	4.1	28.51

So. line		3.7	32.61		28.91

100' East of E. line of 16th.

So. line		3.4			29.21
" Curb		4.1			28.51
" 1/4		4.2			28.41
Center		3.3			29.31
No. 1/4		2.1			30.51
" Curb		1.8			30.81
" line		0.7			31.91
T.P.	5.73	0.79	37.55	31.82	

125' East of E. line of 16th.

No. line		4.6			32.95
" Curb		5.2			32.35
" 1/4		5.7			31.85
Center		6.9			30.65
So. 1/4		7.8			29.75
" Curb		7.9			29.65
" line		7.6			29.95

150' East of E. line of 16th.

So. line	5.8	31.75
" Curb	5.9	31.65
3↓	6.9	30.65
" 1/4	6.2	31.35
Center	5.3	32.25
No. 1/4	4.7	32.85
" curb	4.4	33.15
" line	4.1	33.45

175' East of E. line of 16th.

No. line	3.1	34.45
" curb	3.5	34.05
" 1/4	3.9	33.65
Center	3.9	33.65
So. 1/4	4.8	32.75
13↓	5.3	32.25
" Curb	4.4	33.15
" line	4.3	33.25

West line of 17th. street,

So. line	2.7	37.55	34.85
" curb	2.7		34.85
3' ↓	4.0		33.55
" 1/4	3.5		34.05
Center	2.6		34.95
No. 1/4	2.7		34.85
" curb	2.7		34.85
" line	2.3		35.25

Curb line W. side of 17th.

No. line	1.8		35.75
" curb	2.0		35.55
" 1/4	2.0		35.55
Center	2.2		35.35
So. 1/4	2.9		34.65
" curb	3.1		34.45
" line	3.4		34.15

1/4 line, W. side of 17th.

So. line		2.6	37.55		34.95
" curb		2.4			35.15
" 1/4		2.2			35.35
Center		1.8			35.75
No. 1/4		1.2			36.35
" curb		1.3			36.25
" line		0.9			36.65

Center of 17th.

No. line		0.3			37.25
" curb		0.6			36.95
" 1/4		0.6			36.95
Center		1.4			36.15
So. 1/4		1.4			36.15
" curb		1.4			36.15
" line		1.5			36.05
B.M.	11.12	2.55	46.12	35.00	17th & L.

46.12

1/4 line East side of 17th.

No. line	7.9	38.22
" curb	8.5	37.62
" 1/4	8.4	37.72
Center	9.2	36.92
So. 1/4	9.2	36.92
So. curb	9.1	37.02
" line	8.8	37.32

✓

Curb East side of 17th.

So. line	8.5	37.62
" curb	8.4	37.72
" 1/4	8.0	38.12
Center	8.1	38.02
No. 1/4	7.8	38.32
" curb	7.9	38.22
No. line	6.5	39.62

✓

East line of 17th.

No. line	5.2	46.12	40.92
" curb	6.4		39.72
" 1/4	6.8		39.32
Center	7.4		38.72
So. 1/4	6.9		39.22
" curb	7.7		38.42
" line	7.5		38.62

25' East of E. line of 17th.

So. line	6.1	40.02
" curb	5.8	40.32
" 1/4	5.3	40.82
Center	5.1	41.02
No. 1/4	5.2	40.92
" curb	4.5	41.62
No. line	3.6	42.52

50' East of E. line of 17th

No. line	2.5	43.62

No. curb		3.1	46.12		43.02
No. 1/4		3.4			42.72
Center		3.5			42.62
So. 1/4		3.6			42.52
" curb		3.4			42.72
" line		4.3			41.82
75' East of the E. line of 17th,					
So. line		3.1			43.02
" curb		2.4			43.72
" 1/4		2.4			43.72
Center		2.4			43.72
No. 1/4		2.0			44.12
" curb		1.6			44.52
No. line		0.9			45.22
T.P	6.67	0.52	52.27	45.60	
100 ft. E. of E. line of 17th.					
No. line		6.1			46.17
" curb		6.2			46.07

No. 1/4		6.8	52.27		45.47
Center		7.6			44.67
So. 1/4		7.7			44.57
So. curb		8.0			44.27
" line		8.4			43.87
125 ft. E. of E. line of 17th.					
So. line		7.6			44.67
" curb		7.5			44.77
" 1/4		7.0			45.27
Center		6.8			45.47
No. 1/4		6.1			46.17
" curb		5.9			46.37
" line		5.7			46.57
150 ft. E. of E. line of 17th					
No. line		4.8			47.47
" curb		5.1			47.17
" 1/4		5.3			46.97
Center		5.6			46.67

So. 1/4	5.8	52.27		46.47
So. curb	6.2			46.07
So. line	6.9			45.37
175' E. of E. line of 17th,				
So. line	5.3			46.97
" curb	5.3			46.97
" 1/4	5.1			47.17
Center	4.6			47.67
No. 1/4	4.1			48.17
" curb	3.9			48.37
" line	3.5			48.77
West line of 18th,				
No. line	2.1			50.17
" curb	2.6			49.67
" 1/4	2.9			49.37
Center	3.6			48.67
So. 1/4	4.2			48.07
So. curb	4.6			47.67

So. line	4.4	52.27		47.87
T.P.	2.76		49.51	18th & L,
11/6/02	d'Hemecourt Fortiner Davis			
T.P.	10.96	60.47	49.51	
Curb line W. side 18th.				
No. line	10.2			50.27
" curb	10.4			50.07
" 1/4	10.5			49.97
Center	11.0			49.47
So. 1/4	11.8			48.67
" curb	11.6			48.87
" line	11.8			48.67
1/4 line W. side 18th.				
So. line	11.1			49.37
" curb	10.6			49.87
" 1/4	10.9			49.57
Center	10.4			50.07

No. 1/4	9.8	60.47	50.67
No. curb	9.5		50.97
No. line	9.0		51.47
Center line of 18th,			
No. line	8.1		52.37
" curb	8.7		51.77
" 1/4	9.0		51.47
Center	9.5		50.97
So. 1/4	10.2		50.27
" curb	9.8		50.67
" line	10.3		50.17
1/4 line E. side of 18th			
So. line	9.6		50.87
" curb	9.8		50.67
" 1/4	9.4		51.07
Center	8.7		51.77
No. 1/4	8.1		52.37
No. curb	8.0		52.47

No. line	7.6	60.47	52.87
Curb line, E. side of 18th,			
No. line	7.5		52.97
" curb	7.2		53.27
" 1/4	7.5		52.97
Center	7.8		52.67
So. 1/4	8.7		51.77
" curb	9.0		51.47
" line	9.0		51.47
East line of 18th.			
So. line	8.5		51.97
" curb	8.4		52.07
" 1/4	8.1		52.37
Center	7.2		53.27
No. 1/4	6.9		53.57
" curb	6.6		53.87
" line	7.0		53.47

25' East of E. line 18th.

No. line	6.6	60.47	53.87
" cnt	6.4		54.07
" 1/4	6.7		53.77
Center	7.1		53.37
So. 1/4	7.5		52.97
" cnt	8.0		52.47
" line	8.4		52.07

50' East of 18th.

So. line	7.4	53.07
" cnt	7.1	53.37
" 1/4	7.0	53.47
Center	6.3	54.17
No. 1/4	6.1	54.37
" cnt	5.8	54.67
" line	5.8	54.67

75' East of 18th.

No. line	5.0	55.47
No. cnt	5.4	60.47	55.07
No. 1/4	5.5	54.97
Center	5.9	54.57
So. 1/4	6.5	53.97
" cnt	6.5	53.97
" line	6.6	53.87

100' East of 18th.

So. line	5.9	54.57
" cnt	6.1	54.37
" 1/4	5.6	54.87
Center	4.9	55.57
No. 1/4	4.9	55.57
" cnt	4.8	55.67
" line	4.2	56.27

125' East of 18th.

No. line	3.1	57.37
No. cnt	3.8	56.67
" 1/4	4.1	56.37

Center		4.3	60.47		56.17
So. 1/4		4.8			55.67
" curb		5.0			55.47
" line		4.9			55.57
	150' E. of 18th,				
So. line		3.4			57.07
" curb		3.6			56.87
" 1/4		3.3			57.17
Center		3.3			57.17
No. 1/4		3.1			57.37
" curb		2.4			58.07
" line		1.6			58.87
	175' E. of 18th,				
T.P.	8.11	1.97	66.61	58.50	
No. line		5.7			60.91
" curb		6.5			60.11
" 1/4		7.1			59.51
Center		7.2			59.41

So. 1/4		7.8	66.61		58.81
So. curb		8.4			58.21
So. line		8.6			58.01
	West line of 19th,				
So. line		6.1			60.51
" curb		6.7			59.91
" 1/4		6.7			59.91
Center		5.9			60.71
No. 1/4		5.3			61.31
No. curb		4.7			61.91
" line		4.0			62.61
	East line of 19th,				
No. line		0.2			66.41
" curb		0.8			65.81
" 1/4		1.3			65.31
Center		1.8			64.81
So. 1/4		2.7			63.91
" curb		3.0			63.61

So. line		3.2	66.61		63.41
T.P.	11.93	2.46	76.08	64.15	

25' East of 19th.

So. line	11.3		64.78
" curb	11.0		65.08
" 1/4	10.6		65.48
Center	10.2		65.88
No. 1/4	9.4		66.68
" curb	9.2		66.88
" line	8.5		67.58

50' East of 19th.

No. line	7.2		68.88
" curb	7.7		68.38
" 1/4	8.4		67.68
Center	9.0		67.08
So. 1/4	9.4		66.68
So. curb	9.6		66.48
So. line	10.0		66.08

75' East of 19th.

So. line	8.6	76.08	67.48
" curb	8.4		67.68
" 1/4	8.3		67.78
Center	8.3		67.78
No. 1/4	7.3		68.78
" Curb	6.1		69.98
" line	5.6		70.48

100' East of 19th.

No. line	5.4		70.68
" curb	6.0		70.08
" 1/4	6.4		69.68
Center	7.0		69.08
So. 1/4	7.6		68.48
" curb	8.0		68.08
" line	8.0		68.08

125' East of 19th.

So. line	6.7		69.38

So. curb	6.7	76.08	69.38
" 1/4	6.0		70.08
Center	5.1		70.98
No. 1/4	4.9		71.18
" curb	4.5		71.58
" line	4.2		71.88
150' East of 19th.			
No. line	2.4		73.68
" curb	2.9		73.18
" 1/4	3.5		72.58
Center	4.5		71.58
So. 1/4	4.9		71.18
" curb	5.2		70.88
" line	5.2		70.88
175' East of 19th.			
So. line	4.2		71.88
" curb	4.3		71.78
" 1/4	3.9		72.18

Center	3.2	76.08	72.88
No. 1/4	2.5		73.58
" curb	1.5		74.58
" line	0.8		75.28
West line of 20th.			
No. line	0.0		76.08
" curb	0.8		75.28
" 1/4	1.2		74.88
Center	2.1		73.98
So. 1/4	2.8		73.28
" curb	2.9		73.18
" line	3.1		72.98
B.M.	2.76	73.32	20th + L.
	10.68	84.10	73.42
East line of 20th.			
So. line	7.9		76.20
" curb	7.7		76.40

So. 1/4	7.4	84.10	76.70
Center	7.2		76.90
No. 1/4	6.9		77.20
6 ↓	6.5		77.60
No. curb	4.6		79.50
" line	4.0		80.10
25' East of 20th.			
No. line	3.4		80.70
" curb	3.4		80.70
4 ↓	3.5		80.60
3 ↓	5.4		78.70
No. 1/4	5.5		78.60
Center	5.4		78.70
So. 1/4	5.7		78.40
So. curb	6.4		77.70
" line	6.9		77.20
50' East of 20th.			
So. line	5.2		78.90

So. curb	5.0	84.10	79.10
" 1/4	4.7		79.40
Center	4.4		79.70
No. 1/4	3.9		80.20
8' ↓	2.7		81.40
No. curb	2.5		81.60
No. line	2.3		81.80
75' East of 20th.			
No. line	1.1		83.00
" curb	1.7		82.40
" 1/4	3.3		80.80
Center	4.2		79.90
So. 1/4	4.2		79.90
" curb	4.3		79.80
" line	5.1		79.00
100' East of 20th.			
So. line	6.2		77.90
" curb	4.8		79.30

So. 1/4	3.9	84.10	80.20
Center	3.7		80.40
No. 1/4	2.6		81.50
" curb	1.5		82.60
" line	1.3		82.80
125' East of 20th.			
No. line	2.3		81.80
" curb	2.5		81.60
" 1/4	3.1		81.00
Center	3.8		80.30
So. 1/4	4.7		79.40
" curb	5.6		78.50
" line	6.6		77.50
150' East of 20th.			
So. line	6.9		77.20
" curb	6.6		77.50
" 1/4	5.6		78.50
Center	4.6		79.50

No. 1/4	3.7	84.10	80.40
" curb	3.9		80.20
" line	3.2		80.90
175' East of 20th.			
No. line	4.2		79.90
" curb	5.0		79.10
" 1/4	5.0		79.10
Center	5.7		78.40
So. 1/4	6.5		77.60
" curb	7.4		76.70
" line	7.5		76.60
West line of 21st.			
So. line	7.9		76.20
" curb	8.1		76.00
" 1/4	7.5		76.60
Center	6.8		77.30
No. 1/4	6.5		77.60
" curb	6.2		77.90

No. line		5.8	84.10		78.30
T. P.	5.29	5.73	83.66	78.37	
Gutter line W. side 21st,					
So. line		8.2			75.46
" curb		7.6			76.06
" 1/4		6.7			76.96
Center		6.2			77.46
No. 1/4		6.1			77.56
" curb		5.9			77.76
" line		5.8			77.86
1/4 line W. side of 21st,					
No. line		5.4			78.26
" curb		5.8			77.86
" 1/4		5.9			77.76
Center		6.1			77.56
So. 1/4		6.5			77.16
" curb		7.1			76.56
" line		7.8			75.86 ✓

Center line of 21st, 83.66					
So. line		7.6			76.06
" curb		6.8			76.86
" 1/4		6.4			77.26
Center		5.9			77.76
No. 1/4		5.7			77.96
" curb		5.5			78.16
" line		5.1			78.56 ✓
1/4 line East side of 21st,					
No. line		5.2			78.46
" curb		5.4			78.26
" 1/4		5.8			77.86
Center		5.9			77.76
So. 1/4		6.5			77.16
" curb		6.9			76.76
" line		7.8			75.86 ✓
Curb line East side of 21st,					
So. line		8.0			75.66

So. curb	7.2	83.66	76.46
" 1/4	6.9		76.76
Center	6.1		77.56
No. 1/4	5.9		77.76
" curb	5.8		77.86
" line	6.0		77.66
East line of 21st,			
No. line	5.3		78.36
" curb	5.7		77.96
" 1/4	5.1		78.56
Center	5.8		77.86
So. 1/4	6.4		77.26
" curb	6.6		77.06
" line	6.5		77.16
25' E. of E. line of 21st,			
So. line	6.8		76.86
" curb	5.7		77.96
" 1/4	4.8		78.86
Center	3.8	83.66	79.86
No. 1/4	3.2		80.46
" curb	3.1		80.56
" line	2.7		80.96
50' E. of 21st,			
No. line	1.6		82.06
" curb	1.7		81.96
" 1/4	2.0		81.66
Center	2.9		80.76
So. 1/4	4.5		79.16
" curb	5.9		77.76
" line	6.8		76.86
75' E. of 21st,			
So. line	7.5		76.16
" curb	6.3		77.36
" 1/4	4.9		78.76
Center	3.3		80.36
No. 1/4	2.0		81.66

No. curb	1.5 8364	82.16
" line	1.5	82.16
100' East of 21st.		
No. line	1.5	82.16
" curb	2.4	81.26
" 1/4	2.9	80.76
Center	4.0	79.66
So. 1/4	5.4	78.26
" curb	6.6	77.06
" line	7.0	76.66
125' East of 21st.		
So. line	9.2	74.46
" curb	7.8	75.86
" 1/4	6.7	76.96
Center	5.1	78.56
No. 1/4	4.3	79.36
" curb	3.2	80.46
" line	2.1	81.56

150' E. of 21st 8364		
No. line	3.8	79.86
" curb	5.5	78.16
" 1/4	6.0	77.66
Center	7.0	76.66
So. 1/4	8.2	75.46
" curb	9.0	74.66
" line	10.2	73.46
175' E. of 21st.		
So. line	9.3	74.36
" curb	9.3	74.36
" 1/4	8.6	75.06
Center	7.7	75.96
No. 1/4	7.4	76.26
" curb	6.1	77.56
No. line	5.2	78.46
West line of 22d.		
No. line	6.8	76.86

No. Curb		7.9	83.66		75.76
" 1/4		8.7			74.96
Center		9.3			74.36
So. 1/4		9.3			74.36
" curb		9.9			73.76
" line		9.6			74.06
T.P.		3.30		80.36	
11/7/02.	d'Heme cont Fortune Davis				
T.P.	1.04		81.40	80.36	
	East line of 22d.				
So. line		7.2			74.20
" curb		7.3			74.10
" 1/4		6.0			75.40
Center		5.5			75.90
No. 1/4		5.5			75.90
" Curb		4.2			77.20

No. line		3.0	81.40		78.40
	25 ft. E. of E. line of 22d.				
No. line		3.4			78.00
" curb		4.5			76.90
" 1/4		5.1			76.30
Center		4.9			76.50
So. 1/4		5.4			76.00
" curb		6.7			74.70
" line		7.8			73.60
	50 ft. E. of 22d.				
So. line		8.3			73.10
" curb		7.2			74.20
" 1/4		5.6			75.80
Center		5.2			76.20
No. 1/4		4.1			77.30
" curb		3.4			78.00
" line		2.2			79.20

75 ft. East of 22d.

No. line	2.3	81.40	79.10
" curb	3.0		78.40
" 1/4	3.4		78.00
Center	4.5		76.90
So. 1/4	5.7		75.70
" curb	7.9		73.50
" line	8.7		72.70

100 ft. East of 22d.

So. line	9.0		72.40
" curb	7.7		73.70
" 1/4	6.1		75.30
Center	4.6		74.80
No. 1/4	4.4		77.00
" curb	3.4		78.00
" line	2.6		78.80

125 ft. East of 22d.

No. line	2.8		78.60
No. curb	3.9	81.40	77.50
" 1/4	5.2		76.20
Center	6.0		75.40
So. 1/4	7.0		74.40
" curb	8.4		73.00
" line	9.5		71.90

150 ft. East of 22d.

So. line	10.3		71.10
" curb	9.4		72.00
" 1/4	7.5		73.90
Center	6.5		74.90
No. 1/4	5.0		76.40
" curb	4.1		77.30
" line	3.4		78.00

175 ft. East of 22d.

No. line	5.0		76.40
" curb	5.9		75.50
" 1/4	6.7		74.70

Center		7.6	81.40		73.80
So. 1/4		9.0			72.40
" curb		9.9			71.50
" line		10.7			70.70
	200' E. of 22d.				
So. line		11.2			70.20
" curb		10.6			70.80
" 1/4		9.4			72.00
Center		8.6			72.80
No. 1/4		7.8			73.60
" curb		6.7			74.70
" line		6.2			75.20
T.P.	1.61	7.88	75.13	73.52	
	225' E. of 22d.				
No. line		0.2			74.93
" curb		1.4			73.73
" 1/4		2.5			72.63
Center		3.2			71.93

So. 1/4		4.2	75.13		70.93
" curb		5.6			69.53
" line		6.2			68.93
	250 ft. E. of 22d.				
So. line		7.1			68.03
" curb		6.2			68.93
" 1/4		4.7			70.43
Center		4.4			70.73
No. 1/4		3.7			71.43
" curb		3.3			71.83
" line		2.6			72.53
	275 ft. E. of 22d.				
No. line		4.7			70.43
" curb		5.5			69.63
" 1/4		6.0			69.13
Center		6.5			68.63
So. 1/4		7.0			68.13
" curb		7.8			67.33

So. line		8.1	75.13	67.03
300 ft. E. of 22d.				
So. line		9.0		66.13
" curb		8.8		66.33
" 1/4		8.1		67.03
Center		7.5		67.63
No. 1/4		7.0		68.13
" curb		6.8		68.33
" line		6.1		69.03
325 ft. E. of 22d.				
No. line		6.2		68.93
" curb		7.5		67.63
" 1/4		8.1		67.03
Center		8.3		66.83
So. 1/4		7.8		67.33
" curb		8.8		66.33
" line		10.8		65.03

350 ft. East of 22d.				
So. line		10.9	75.13	64.23
" curb		9.9		65.23
" 1/4		9.3		65.83
Center		9.6		65.53
No. 1/4		8.8		66.33
" curb		8.3		66.83
" line		6.8		68.33
T.P.	4.30	8.25	71.18	66.88
375 ft. E. of 22d.				
No. line		4.5		66.68
" curb		5.3		65.88
" 1/4		5.8		65.38
Center		6.2		64.98
So. 1/4		6.9		64.28
" curb		8.0		63.18
" line		8.0		63.18

402.8 E. of 22d. = Div. line

So. line	8.6	71.18	62.58
" curb	8.6.		62.58
" 1/4	8.3		62.88
Center	7.6		63.68
No. 1/4	6.8		64.38
" curb	6.3		64.88
" line	5.5		65.68

Div. line 4.7' W. of 24th.

No. line	5.5		65.68
" curb	6.3		64.88
" 1/4	6.7		64.48
Center	7.4		63.78
So. 1/4	8.2		62.98
" curb	8.5		62.68
" line	8.8		62.38

W. line of 24th.

So. line	8.9		62.28
So. curb	8.5	71.18	62.68
" 1/4	8.3		62.88
Center	7.2		63.98
No. 1/4	6.8		64.38
" curb	6.4		64.78
" line	5.7		65.48

11/14/02 -

{ d'Hemeark
Fortune
Davis

Cross-sections of Witherby st. from 3d. to 4th.

B.M.	0.72		47.24	46.52	"4th + D."
W. line of curb - 4th st.					
- 7.0		6.35			40.89
No. gutter		6.60			40.64
1/2		6.90			40.34
5'		7.20			39.94
So. gutter		7.20			39.94
- 7.0		7.45			39.79
7' East of W. line of 4th					
So. curb		6.50			40.74
" gutter		7.20			40.04
5'		7.30			39.94
1/2		6.75			40.49
No. gutter		5.80			41.44
No. Curb		5.25			41.99

W. line of 4th					
No. curb		5.25	47.24		41.99
" gutter		5.70			41.54
1/2		6.75			40.49
5'		7.20			40.04
So. gutter		6.90			40.34
So. curb		6.60			40.64
T.P.	+ 4.29	- 7.04	44.49	40.20	
25' West of 4th.					
So. curb		4.30			40.19
" gutter		4.95			39.54
5'		4.70			39.79
1/2		4.40			40.09
No. gutter		3.30			41.19
" curb		2.80			41.69
50' West of 4th.					
No. curb		3.05			41.44
" gutter		3.70			40.79

1/2	4.50	39.99
5'	5.10	39.39
So. gutter	5.40	39.09
So. cmt	4.75	39.74
75' W. of 4th		
So. cmt	5.10	39.39
" gutter	5.55	38.94
5'	5.40	39.09
1/2	4.60	39.89
No. gutter	3.85	40.64
" bmt	3.30	41.19
100' W. of 4th		
No. bmt	3.55	40.94
" gutter	4.25	40.24
1/2	4.90	39.59
5'	5.55	38.94
So. gutter	5.90	38.59
" cmt	5.45	39.04

125' W. of 4th		
So. bmt	5.50	38.99
" gutter	6.30	38.19
5'	5.60	38.89
1/2	5.20	39.29
No. gutter	4.40	40.09
" bmt	3.80	40.69
150' W. of 4th		
No. bmt	4.10	40.39
" gutter	4.70	39.79
1/2	5.30	39.19
5'	5.85	38.64
So. gutter	6.50	37.99
" cmt	5.50	38.99
175' W. of 4th		
So. cmt	5.75	38.74
" gutter	6.80	37.69
5'	6.20	38.29

1/2	5.50	38.99
No. gutter	5.00	39.49
" curb	4.30	40.19
E. line of 3d.		
No. curb	4.60	39.89
" gutter	5.25	39.24
1/2	5.95	38.54
5'	6.75	37.74
So. gutter	6.70	37.79
" curb	5.94	38.55

11/28/02

Levels to show elevation of R.R. tracks at 19th N.

(Set B.M. Nozzle of Hydt. S.W. Cor. 19th and N. = 28.79)

+	−	H.I.	Rod	Elev	
2.58	12.74	59.29		56.71	B.M.
0.33	12.27	46.88		46.55	
1.43		36.04		34.61	
N. line of N. St.					
W. Side 19th			5.63	31.41	
Curb W. Side			5.82	30.22	
Center 19th			5.28	30.76	
E. curb			5.08	30.96	
E. line			3.50	32.54	
R.R. tracks E. line of 19th					
Cuyamaca			4.34	31.70	
Coronado			4.27	31.77	
R.R. W. line of 19th					
Coronado			5.71	30.33	
Cuyamaca			6.00	30.04	

12/3/02 { d'Hemecourt Davis

Levels to determine Elevation at which Curb and Side Walk have been constructed, from 17th Street to St. Survey made at request of the City Attorney.

B.M. at N.W. Cor. 24th + D. =					
	3.00		177.13	174.13	
Int. D + 24th					
N.W.		3.15			173.98
N.E.		1.97			175.16
S.E.		2.10			175.03
S.W.		3.09			174.04
T.P.	1.12	12.15	166.10	164.98	
Int. D. + 23d.					
N.E.		5.00			161.10
N.W.		6.09			160.01
S.W.		6.15			159.95
B.M. S.W. Cor.		6.03			160.07
S.E.		5.02			161.08
T.P.	0.67	12.46	154.31	153.64	
T.P.	0.52	12.47	142.36	141.84	
Int. D and 22d.					
N.E.		1.39			140.97
S.E.		1.37			140.99
S.W.		4.32			138.04
B.M. S.W. p + 22		3.86		138.50	
N.W.		4.32			138.04
T.P.	0.75	13.00	130.11	129.36	
Int. D. and 21st					
S.E.		12.20			117.91
N.E.		12.05			118.06
T.P.	0.35	12.59	117.87	117.52	
N.W.		2.84			115.03
S.W.		2.94			114.93
T.P.	0.38	12.99	105.26	104.88	

Int. D. and 20th

S.E.		8.85	105.26		96.91
N.E.		8.28			96.98
N.W.		10.36			94.90
S.W.		10.37			94.89
T.P.	0.00	11.43	93.83	93.83	

Int. D. and 19th.

S.E.		3.84			89.99
N.E.		3.82			90.01
N.W.		4.83			89.00
S.W.		4.86			88.97

Int. D and 18th

80' N. of S.W.		9.61			84.22
T.P.	0.03	7.25	86.61	86.58	
S.W.		2.42			84.19
S.E.		0.61			86.00
T.P.	0.82	12.60	74.83	74.01	

Int. "D" + 17th.

S.E.		8.39	74.83		66.44
N.E.		8.39			66.44
N.W.		10.95			63.88
T.P.	2.80	12.19	65.44	62.64	
BM. 16 + D.		9.41		56.03	

12/5/02

Cross-Section of "L" St, from the West line of 24th, St to the West line of 25th, street, —.

B.M. +0.63 68.49 67.86

Curb line W. side of 24th,

So. line	6.4	62.09
Curb	5.4	63.09
1/4	4.3	64.19
Center	3.9	64.59
1/4	3.7	64.79
No. Curb	3.3	65.19
No. line	2.7	65.79

1/4 line West side off 24th

No. line	2.5	65.99
No. Curb	3.3	65.19
1/4	4.0	64.49
Center	4.3	64.19

1/4	4.4	64.09
So. Curb	4.8	63.69
So. line	6.4	62.09

Center line of 24th

So. line	6.4	62.09
So. curb	4.7	63.79
1/4	5.0	63.49
Center	5.2	63.29
1/4	4.6	63.89
No. Curb	3.7	64.79
No. line	3.1	65.39

1/4 line E. side of 24th,

No. line	3.1	65.39
No. curb	3.4	65.09
1/4	4.7	63.79
Center	5.9	62.59
1/4	6.3	62.19
So. Curb	5.8	62.69

So. line	6.9	61.59

Curb, East side of 24th,

So. line	7.2	61.29
So. curb	7.0	61.49
1/4	6.9	61.59
Center	6.3	62.19
1/4	5.1	63.39
No. curb	4.6	63.89
No. line	3.9	64.59

East line of 24th,

No. line	4.4	64.09
" Curb	5.3	63.19
1/4	5.7	62.79
Center	6.2	62.29
1/4	6.9	61.59
So. Curb	7.3	61.19
So. line	7.6	60.89

25' East of 24th,

So. line	7.9	60.59
So. Curb	6.2	62.29
1/4	5.3	63.19
Center	5.3	63.19
1/4	5.5	62.99
No. Curb	5.1	63.39
No. line	5.6	62.89

50' East of 24th,

No. line	5.5	62.99
No. Curb	5.9	62.59
1/4	6.4	62.09
Center	6.7	61.79
1/4	7.4	61.09
So. Curb	8.1	60.39
" line	8.0	60.49

75' East of 24th

So. line	8.2	60.29

So. Curb	7.8	60.69
1/4	7.5	60.99
Center	7.0	61.49
1/4	6.6	61.89
No. Curb	6.0	62.49
No. line	5.4	63.09
100 ft. East of 24th.		
No. line	5.6	62.89
No. Curb	6.0	62.49
1/4	6.3	62.19
Center	7.0	61.49
1/4	7.6	60.89
So. curb	8.0	60.49
So. line	8.2	60.29
125 ft. East of 24th.		
So. line	8.1	60.39
So. Curb	8.2	60.29
1/4	6.2	62.29

Center	6.3	62.19
1/4	5.7	62.79
No. Curb	5.2	63.29
No. line	5.1	63.39
150 ft. East of 24th		
No. line	3.9	64.59
No. Curb	4.6	63.89
1/4	5.6	62.89
Center	6.3	62.19
1/4	7.4	61.09
So. Curb	7.7	60.79
" line	8.1	60.39
175 ft. E. of 24th.		
So. line	8.2	60.29
" Curb	7.6	60.89
1/4	7.7	60.79
Center	6.5	61.99
1/4	5.9	62.59

No. curb	4.9	63.59
" line	4.1	64.39
200 ft. East of 24 ch.		
No. line	5.6	62.89
" curb	6.2	62.29
1/4	6.6	61.89
Center	7.2	61.29
1/4	7.3	61.19
So. curb	8.1	60.39
" line	8.5	59.99
225 ft. East of 24 ch.		
So. line	8.3	60.19
" curb	8.1	60.39
" 1/4	7.4	61.09
Center	7.4	61.09
1/4	7.2	61.29
No. curb	7.0	61.49
" line	7.1	61.39

250 ft. E. of 24 ch.		
No. line	6.7	61.79
No. curb	6.6	61.89
1/4	7.0	61.49
Center	7.2	61.29
1/4	7.6	60.89
So. curb	7.6	60.89
" line	7.9	60.59
275 ft E of 24 ch.		
So. line	4.1	64.39
" curb	4.4	64.09
1/4	6.3	62.19
Center	5.8	62.69
1/4	5.8	62.69
No. curb	5.7	62.79
" line	6.0	62.49
300 ft. East of 24 ch		
No. line	4.7	63.79

No. curb	4.4			64.09
1/4	3.7			64.79
Center	3.7			64.79
1/4	2.8			65.69
So. Curb	2.8			65.69
" line	2.7			65.79
325 ft. East of 24th				
So. line	2.4			66.09
" curb	2.1			66.39
1/4	1.5			66.99
Center	2.5			65.99
1/4	1.8			66.69
No. curb	2.8			65.69
" line	2.0			66.49
350 ft. East of 24th				
No. line	0.5			67.99
" curb	1.1			67.39
1/4	0.9			67.59

Center	1.6			66.89
1/4	1.6			66.89
So. curb	2.0			66.49
" line	2.5			65.99
375 ft. East of 24th.				
So. line	2.5			65.99
" curb	1.7			66.79
1/4	1.8			66.69
Center	1.4			67.09
1/4	1.3			67.19
No. curb	0.9			67.59
" line	0.1			68.39
T.P.	4.62	0.22	70.89	68.27
400 ft. East of 24th.				
No. line	4.1			68.79
" curb	4.9			67.99
1/4	5.6			67.29
Center	5.6			67.29

1/4	6.1	66.79
So. curb	6.4	66.49
" line	6.6	66.29
425' E. of 24th.		
So. line	6.9	65.99
" curb	6.4	66.49
1/4	6.0	66.89
Center	5.7	67.19
1/4	5.4	67.49
No. curb	4.9	67.99
" line	4.6	68.29
450' East of 24th		
No. line	4.4	68.49
" curb	4.8	68.09
1/4	4.9	67.99
Center	5.8	67.09
1/4	5.8	67.09
So. Curb	6.4	66.49

So. line	6.7	66.19
475 ft. East of 24th.		
So. line	6.7	66.19
" curb	6.2	66.69
1/4	5.9	66.99
Center	5.8	67.09
1/4	4.9	67.99
No. curb	4.7	68.19
" line	4.5	68.39
500 ft. East of 24th.		
No. line	4.1	68.79
" curb	4.6	68.29
1/4	5.2	67.69
Center	5.6	67.29
1/4	5.7	67.19
So. curb	6.3	66.59
So. line	6.9	65.99

525 ft. E. of 24th

So. line	7.2	65.69
" curb	6.7	66.19
1/4	6.3	66.59
Center	5.9	66.99
1/4	5.3	67.59
No. curb	5.0	67.89
" line	4.0	68.89

550 ft. E. of 24th

No. line	4.1	68.79
" curb	5.1	67.79
1/4	5.5	67.39
Center	6.1	66.79
1/4	6.8	66.09
So. curb	7.2	65.69
" line	7.6	65.29

575 ft. East of 24th

So. line	8.4	64.49
So. curb	7.7	65.19
1/4	7.3	65.59
Center	6.8	66.09
1/4	6.2	66.69
No. curb	5.6	67.29
" line	5.6	67.29

West line of 25th

No. line	5.4	67.49
" curb	6.3	66.59
1/4	6.6	66.29
Center	7.1	65.79
1/4	7.2	65.69
So. curb	7.8	65.09
" line	8.5	64.39

12/6/02

d'Hemecourt
Crowell
Fortiner
Davis

Estimate of the cost of Guttering Ash St, from E. line of 5th to W. line of 8th,

B.M.	8.82		88.57	79.75	
East line 5th. South side Ash ✓					
Curb		10.42			78.15
2'		10.15			78.42
5'		10.00			78.57
50' East of 5th. So. side Ash ✓					
Curb		5.65			82.92
2'		5.83			82.74
5'		5.80			82.77
100' East of 5th. So. side Ash ✓					
Curb		0.75			87.82
2'		0.80			87.77
5'		0.75			87.82
East line 5th. No. side Ash ✓					
Curb		8.06			80.51
2'		8.61			79.96

5'		8.63			79.94
50' East of 5th. No. side Ash ✓					
Curb		3.82			84.75
2'		4.15			84.42
5'		4.30			84.27
T.P.	10.62	0.53	98.66	88.04	88.44
100' East of 5th. No. side Ash ✓					
Curb		8.72			88.94
2'		9.60			89.06
5'		9.60			89.06
150' East of 5th. No. side Ash ✓					
Curb		4.20			94.46
2'		4.88			93.78
5'		4.60			94.06
150' East of 5th. So. side Ash ✓					
Curb		5.85			92.81
2'		6.18			92.48
5'		6.22			92.44

West side of 6th, So. side ash ✓

Cent	1.60	97.06
2'	1.65	97.01
5'	1.53	97.13

Gutter W side 6th, So. side Ash ✓

Cent	1.49	97.17
2'	1.39	97.27
5'	1.20	97.46

T.P. 11.25 0.25 109.66 98.41

West line of 6th, No. side ash ✓

Cent	10.77	98.89
2'	10.40	99.26
5'	10.69	98.97

Gutter W. side of 6th No. side ash ✓

Cent	10.42	99.24
2'	10.51	99.15
5'	10.73	98.93

No. line of ash, West side of 6th ✓

Cent	9.48	100.18
2'	9.52	100.14
5'	9.00	100.66

Cent line No. side ash West side of 6th ✓

Cent	10.42	99.24
2'	10.38	99.28
5'	9.93	99.73

Center line of ash W. side of 6th ✓

Cent	11.42	98.24
2'	11.35	98.31
5'	10.79	98.87

Cent line So. side Ash, W. side 6th ✓

Cent	12.50	97.16
2'	12.40	97.26
5'	11.95	97.71

So. line ash. W. side 6th ✓

Cent	12.60	97.06

2'	12.80	96.86
5'	12.45	97.21

So. line of Ash. E. side of 6th

Cut	10.60	99.06
2'	10.98	98.68
5'	11.25	98.41

Gutter so side Ash E. side of 6th

Cut	10.14	99.52
2'	10.37	99.29
5	10.24	99.42

Center of Ash, E. side of 6th

Cut	8.22	101.44
2'	8.40	101.26
5'	8.50	101.16

Gutter No. side Ash. E. side 6th

Cut	7.03	102.63
2'	7.31	102.35
5	7.30	102.36

No. line Ash. E. side 6th

Cut	6.40	103.26
2'	6.75	102.91
5'	6.64	103.02

Gutter line E. side 6th No. side Ash

Cut	7.05	102.61
2'	7.29	102.37
5	7.51	102.15

E. line of 6th. No. side Ash

Cut	6.08	103.58
2'	6.15	103.51
5'	6.22	103.44

E. line of 6th So. side Ash

Cut	8.88	100.78
2'	8.90	100.76
5'	8.83	100.83

50 ft. E. of 6th. So. side Ash

Cut	2.16	107.50

2'		2.00			107.66
5'		1.81			107.85
T.P.	11.71	0.58	120.79	109.08	
50 ft. East of 6th No. side Ash ✓					
Gutter		10.82			109.97
2'		11.22			109.57
5'		11.30			109.49
100 ft. E. of 6th, No. side Ash ✓					
Gutter		3.62			117.17
2'		3.81			116.98
5'		4.04			116.75
100 ft. E. of 6th, So. side Ash. ✓					
Gutter		5.69			115.10
2'		5.68			115.11
5'		5.50			115.29
T.P.	12.02	0.20	132.61	120.59	
150 ft. E. of 6th. So. side Ash ✓					
Gutter		10.35			122.26

2'		10.12			122.49
5'		10.44			122.17
150' E. of 6th No. side Ash ✓					
Cent		8.18			124.43
2'		8.45			124.16
5'		8.60			124.01
West line of 7th, No. side Ash ✓					
Curb		1.22			131.39
2'		1.28			131.33
5'		1.28			131.33
Gutter line W. side 6th No. side Ash ✓					
Cent		0.63			131.98
2'		0.51			132.10
5'		0.61			132.00
West line of 7th. So. side Ash					
Cent		3.67			128.94
2'		3.98			128.63
5'		3.71			128.90

Gutter W. side pch. So. side ash ✓

Cent		3.19			129.42
2'		2.99			129.62
5'		2.71			129.90

So. line of ash. W. side pch ✓

Cent		4.01			128.60
2'		3.81			128.80
5'		3.34			129.27

Gutter So. line ash. W. side pch ✓

Cent		3.20			129.41
2'		2.88			129.73
5'		2.65			129.96

Center of ash. W. of pch. ✓

Cent		1.48			131.13
2'		1.24			131.37
5'		0.85			131.76

Gutter No. side ash W. of pch ✓

Cent		0.65			131.96
2'		0.42			132.19
5'		0.18			132.43

No. line ash. W. of pch. ✓

Cent		0.45			132.16
2'		0.38			132.23
5'		-0.20			132.41
T.P.	10.98	0.61	142.98	132.00	

No. line of ash. E. side of pch ✓

Cent		8.25			134.73
2'		8.40			134.58
5'		8.52			134.46

Gutter line No. side ash. E. side of pch ✓

Cent		8.74			134.24
2'		8.80			134.18
5'		9.09			133.89

Center line of ash. E. side of pch ✓

Cent		9.46			133.52
2'		9.52			133.46

5'	9.66	133.32
Gutter So. side of ash, E. side of 7th ✓		
Cent	11.42	131.56
2'	11.32	131.66
5'	11.15	131.83
So. line of ash, E. side of 7th ✓		
Cent	12.10	130.88
2'	12.05	130.93
5'	12.20	130.78
Gutter E. side of 7th So. side of ash ✓		
Cent	11.42	131.56
2'	11.28	131.70
5'	11.00	131.98
East line of 7th So. of ash ✓		
Cent	11.15	131.83
2'	11.13	131.85
5'	10.97	132.01

50' E. of 7th So. side ash ✓		
Cent	7.88	135.65
2'	7.41	136.57
5'	7.41	136.57
Break of Grade So. side ash ✓		
Cent	5.68	137.30
2'	5.79	137.19
5'	5.70	137.28
100' E. of 7th, So. side ash ✓		
Cent	4.88	138.10
2'	4.89	138.09
5'	4.87	138.11
Break of Grade So. side ash ✓		
Cent	5.02	137.96
2'	5.20	137.78
5'	5.22	137.76
150 ft E. of 7th So. ash ✓		
Cent	7.18	135.80

2'	7.32	135.66
5'	6.99	135.99

W. line of 8th So. of Ash ✓

Cent	10.60	132.38
2'	10.50	132.48
5'	10.40	132.58

W. line of 8th, No. side of Ash ✓

Cent	10.04	132.94
2'	10.18	132.80
5'	10.18	132.80

150' E. of 7th, No. side Ash ✓

Cent	6.50	136.48
2'	6.50	136.48
5	6.38	136.60

Break of grade No. side Ash ✓

Cent	8.42	139.56
2'	8.39	139.59
5'	8.42	137.56

100 ft. E. of 7th, No side Ash ✓

Cent	2.98	140.00
2'	3.08	139.90
5'	3.11	139.87

Break of grade No. side Ash ✓

Cent	4.13	138.85
2'	4.38	138.60
5'	4.37	138.61

50' E. of 7th, No. side Ash, ✓

Cent	5.32	137.66
2'	5.49	137.49
5'	5.68	137.30

East line of 7th, No. side Ash ✓

Cent	8.15	134.83
2'	8.32	134.66
5	8.51	134.47

Gutter line E. side 7th No. side Ash ✓

Cent	8.74	134.24

2	8.76	134.22
5	8.82	134.16

Alley in Block 42. of Hutton's add, d'Hemont Fulton Davis

12/22/02

B.M.	4.24	42.65	38.41	
West line of 4th.				
No.	5.0			37.65
C.	5.1			37.55
So.	5.3			37.35
25 ft. W. of 4th.				
So.	4.2			38.45
C.	4.1			38.55
No.	3.7			38.95
50 ft. W. of 4th.				
No.	3.9			38.75
C.	4.3			38.35
So.	4.2			38.45
75 ft. W. of 4th				
So.	5.0			37.65
C.	4.9			37.75
No.	5.2			37.45

100 ft. W. of 4th.		
No.	5.6	37.05
C.	5.6	37.05
So.	5.7	36.95
125 ft. W. of 4th.		
So.	6.0	36.65
C.	6.1	36.55
No.	6.0	36.65
150 ft. W. of 4th		
No.	6.4	36.25
C.	6.5	36.15
So.	6.5	36.15
175 ft. W. of 4th.		
So.	7.1	35.55
C.	7.3	35.35
No.	7.2	35.45
E. line of 3d.		
No.	7.4	35.25
C.	8.1	34.55
So.	7.9	34.75

12/23/02

d'Heneau
Criswell
Fortner
Davis

Cross-sections of 20th, St, between D and E, &

BM,	5.71	100.09	94.38	
North line of E,				
E, line	3.6			96.49
E, curb	3.9			96.19
1/4	4.2			95.89
C. &	4.5			95.59
1/4	5.5			94.59
W, curb	5.5			94.59
W, line	5.7			94.39
50 ft, No, of E.				
W, line	6.2			93.89
W, curb	6.1			93.99
1/4	6.0			94.09
C.	5.2			94.89
1/4	4.8			95.29
E. curb	4.7			95.39
Top, curb	4.10			95.99
100 ft, No, of E.				
Top curb E. side	3.97			96.12
Gutter E, side	4.7			95.39
1/4	4.9			95.19
Center	5.1			94.99
1/4	6.3			93.79
W, Curb	6.4			93.69
W, line	6.3			93.79
150 ft, No, of E.				
W, line	6.8			93.29
W, curb	6.6			93.49
1/4	6.4			93.69
C.	5.2			94.89
1/4	4.8			95.29
Gutter E side	4.9			95.19
Top of curb E. side	4.22			95.87

200 ft. No. of E.

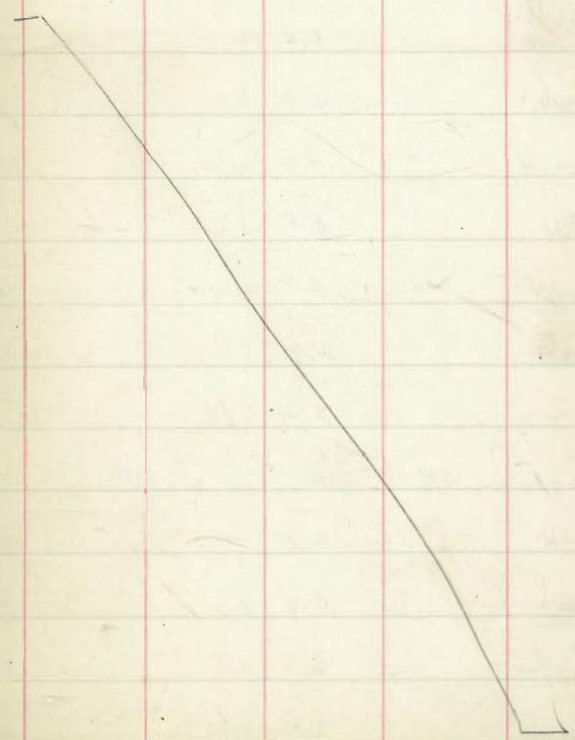
Top curb E. side	4.20	95.89
Gutter E. side	4.8	95.29
1/4	4.9	95.19
C.	5.9	94.79
1/4	6.6	93.49
W. curb	6.4	93.69
W. line	6.7	93.39

250 ft. No. of E.

W. line	6.7	93.39
W. curb	5.9	94.19
1/4	6.4	93.69
C.	5.9	94.79
1/4	5.1	94.99
E. curb	5.3	94.79
" line	4.6	95.49

South line of D.

E. line	3.9	96.19
E. curb	4.0	96.09
1/4	4.4	95.69
C.	4.8	95.29
1/4	5.1	94.99
W. curb	6.0	94.09
W. line	6.6	93.49



12/23/02

d'Heme court,
Crowell
Fortina
Dons,

Cross sections of 21st. st. bet'n
C. and E, #

B.M.	4.50	119.14	114.64	
	North line of E. st.			
5.0		8.2		110.94
W. line 5' x 3'		6.0		113.14
		5.0		114.14
W. curb		5.0		114.14
1/4		4.9		114.24
Center		3.5		115.64
1/4		3.2		115.94
E. curb		2.9		116.24
E. line		2.2		116.94
	50 ft. No. of E. st.			
E. line		2.7		116.44
E. curb		3.9		115.24
1/4		3.6		115.54
C.		3.8		115.34
1/4		5.2		113.94
W. curb		5.5		113.64
		5.5		113.64
W. line 3' x 4'		7.5		111.64
		8.3		110.84
	100 ft. No. of E.			
W. line		7.4		111.74
W. curb		5.8		113.34
1/4		5.4		113.74
C.		4.2		114.94
1/4		4.2		114.94
E. curb		4.2		114.94
E. line		2.9		116.24
	150 ft. No. of E.			
E. line		3.7		115.44
E. curb		4.7		114.44
1/4		4.6		114.54
C.		4.8		114.34

1/4	5.8	113.34
W. curb	6.0	113.14
W. line	7.8	111.34
200 ft. North of E.		
	10.2	108.94
W. line 4 X 2	9.1	110.04
X	6.7	112.44
W. curb	6.4	112.74
1/4	6.2	112.94
C.	5.2	113.94
1/4	4.1	115.04
E. curb	5.2	113.94
E. line	4.2	114.94
250 ft. No. of E.		
E. line	4.5	114.64
E. curb	4.9	114.24
1/4	5.1	114.04
Center	5.4	113.74

1/4	5.5	113.64
W. curb	5.9	113.24
X	5.5	113.64
W. line 6 X 5	8.0	111.14
X	9.7	109.44
So. line of D.		
W. line	4.1	115.04
W Curb	4.1	115.04
1/4	3.9	115.24
Center	2.6	116.54
1/4	3.7	115.44
East curb	3.2	115.94
E. line	2.8	116.34
North line of D.		
W. line	3.9	115.24
W. Curb	4.0	115.14
1/4	3.1	116.04
Center	3.0	116.14

1/4		2.6		116.54
E. curb		1.6		117.54
E. line		1.1		118.04
10 ft. No. of D.				
T.P.	0.75	0.94	118.95	
E. line		4.0		114.95
E. curb		3.8		115.15
1/4		3.0		115.95
Center		3.4		115.55
1/4		3.8		115.15
W. curb		4.5		114.45
W. line		7.7		111.25
50 ft. No. of D.				
W. line		7.9		111.05
W. curb		6.2		112.75
1/4		5.9		113.05
C.		4.9		114.05
1/4		4.6		114.35

E. curb		4.6		114.35
East line		4.5		114.45
100 ft. No. of D.				
East line		4.2		114.75
" curb		5.2		113.75
1/4		5.0		113.95
Center		5.2		113.75
1/4		6.4		112.55
W. curb		6.7		112.25
W. line		6.3		112.65
150 ft. No. of D.				
West line		6.3		112.65
West curb		6.6		112.35
1/4		6.7		112.25
Center		5.3		113.65
1/4		5.2		113.75
East curb		5.2		113.75
" line		4.3		114.65

200 feet North of D.

E. line	3.8	115.15
" curb	5.1	113.85
1/4	4.7	114.25
Center	5.1	113.85
1/4	6.4	112.55
W. curb	6.6	112.35
W. line	8.1	110.85

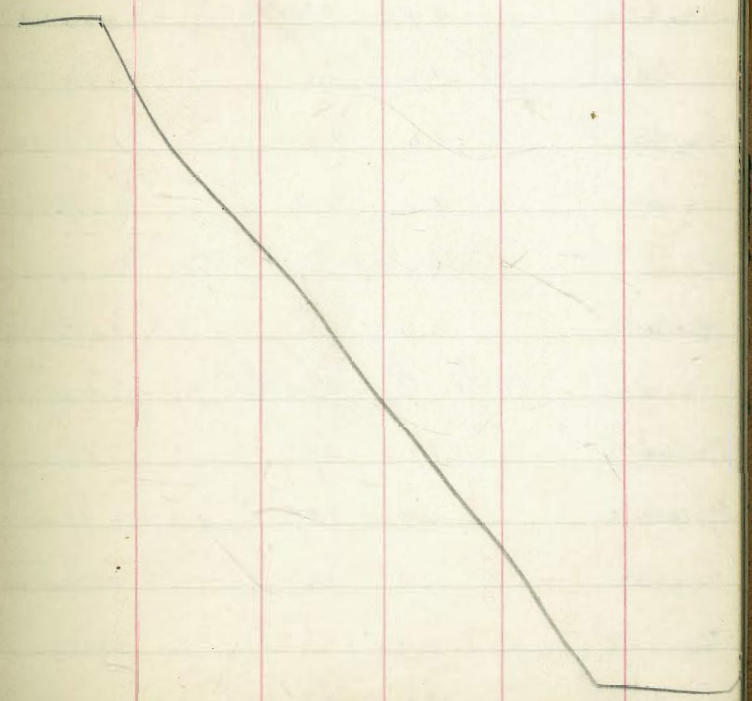
250 feet North of D.

W. line	5.0	113.95
" curb	6.3	112.65
1/4	6.2	112.75
Center	4.9	114.05
1/4	4.4	114.55
E. curb	4.8	114.15
E. line	3.9	115.05

South line of "C"

E. line	3.7	115.25

E. curb	4.4	114.55
1/4	4.3	114.65
Center	4.6	114.35
1/4	6.0	112.95
West curb	6.1	112.85
West line	6.8	112.15



12/23/02

d'Heme
Crowell
Fortner
Davis

Cross-sections of Ivy St, from East line of Fourth St. to West line of City Park. —

B.M.	12.09	227.90	215.81

West line of Park = 172.45' E. of 5th St.

So. line	5.3	222.60
" curb	4.7	223.20
1/4	4.2	223.70
Center	3.6	224.30
1/4	3.1	224.80
No. curb	2.7	225.20
No. line	2.2	225.70

150 ft. E. of 5th.

No. line	1.7	226.20
No. curb	2.4	225.50
1/4	3.1	224.80
C.	3.7	224.20
1/4	4.2	223.70
So. curb	4.8	223.10
" line	5.4	222.50

100 ft. E. of 5th.

So. line	6.7	221.20
So. curb	5.5	222.40
1/4	4.5	223.40
Center	3.5	224.40
1/4	2.8	225.10
No curb	2.5	225.40
No. line	2.3	225.60

50 ft. E. of 5th.

No. line	4.9	223.00
No. curb	5.3	222.60
1/4	6.0	221.90
Center	6.5	221.40
1/4	6.8	221.10
So. curb	7.3	220.60
So. line	8.3	219.60

25 ft. East of 5th

So. line	9.4	227.90	218.50
" curb	8.6		219.30
1/4	7.5		220.40
^ 3 v	8.8		219.10
Center	9.1		218.80
^ 3 v	6.8		221.10
1/4	6.5		221.40
No. curb	6.4		221.50
" line	6.0		221.90

7 ft. E. of 5th.

No. line	6.3		221.60
" curb	6.9		221.00
^ 9 v	7.3		220.60
1/4	8.8		219.10
Center	11.0		216.90
1/4	10.8		217.10
^ 2.7 v	8.3		219.60
So. curb	7.8	227.90	220.10
" line	9.7		218.20

East line of 5th Street.

So. line	14.0		213.90
" curb	13.9		214.00
1/4	12.7		215.20
Center	12.2		215.70
1/4	11.3		216.60
^ 6 v	7.4		220.50
No. curb	7.0		220.90
No. line	6.4		221.50

West line of 5th Street

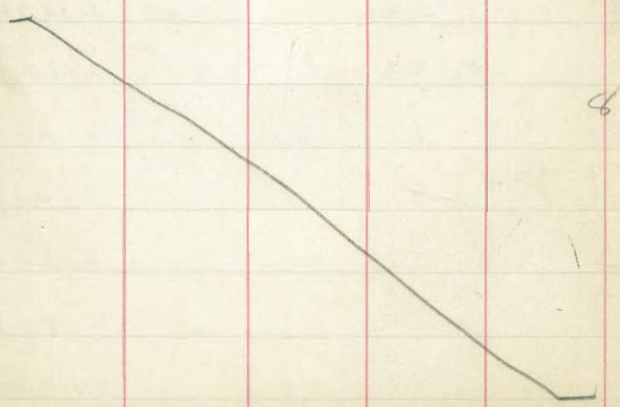
So. line	8.3		219.60
" curb	9.1		218.80
^ 10 v	10.0		217.90
1/4	12.2		215.70
Center	13.2		214.70
1/4	13.3		214.60

✓	×	13.20	227.90		214.70
So. curb		10.0			217.90
" line		10.1			217.80
	175 ft. E. of 4th				
So. line		9.7			218.20
" curb		9.7			218.20
1/4		11.2			216.70
C.		7.1			220.80
1/4		9.0			218.90
No. curb		8.6			219.30
" line		8.3			219.60
T.P.	0.93	8.69	220.14	219.21	
	150 ft. East of 4th.				
No. line		0.8			219.34
No. curb		1.1			219.04
1/4		1.4			218.74
Center		3.0			217.14
1/4		2.5			217.64

So. curb		2.6	220.14		217.54
" line		2.9			217.24
	100 ft. East of 4th.				
So. line		4.2			215.94
" curb		4.0			216.14
1/4		3.4			216.74
Center		3.4			216.74
1/4		2.8			217.34
No. curb		3.2			216.94
No. line		2.8			217.34
	50 ft. East of 4th				
No. line		6.4			213.74
" curb		6.3			213.84
1/4		6.0			214.14
Center		6.0			214.14
1/4		5.8			214.34
So. curb		5.5			214.64
" line		5.3			214.84

East line of 4th.

So. line	10.5	220.14	209.64
So. cont	9.5		210.64
1/4	10.5		209.64
6	11.1		209.04
2	13.4		206.74
Center	13.5		206.64
1/4	13.3		206.84
3	10.2		209.94
No. cont	9.5		210.64
" line	8.2		211.94



12/23/02.

d'Heme cont
Crowell
Fortiner
Davis

Cross sections of alley in Block bounded by 4th., 5th Brookes and Thornton.

B. M.	5.31	289.53	284.22

North line of Brook

East	4.9	284.63
Center	5.1	284.43
West	4.8	284.73

50 ft. No. of Brooke

West	5.5	284.03
Center	5.7	283.83
East	5.8	283.73

100 ft. No. of Brookes.

W.	5.8	283.73
C.	6.6	282.93
E.	7.0	282.53

150 ft. No. of Brookes.

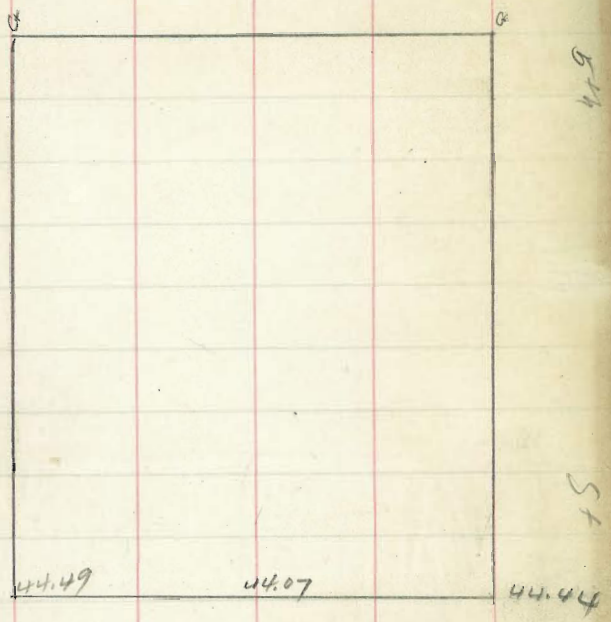
E.	7.8	281.73

b,	7.5	289.53		282.03
W.	7.2			282.33
200 ft. No. of Brooks				
W.	7.7			281.83
b.	8.2			281.33
E.	8.7			280.83
250 ft. No. of Brooks				
E,	9.4			280.13
b.	8.5			281.03
W.	8.2			281.33
T.P.	7.73	8.47	288.79	281.06
300 ft. No. of Brooks				
W.	7.8			280.99
b.	8.2			280.59
E.	8.6			280.19
350 ft. No. of Brooks				
E.	7.7			281.09
b.	7.5			281.29

W,	7.4	281.39
400 ft. No. of Brooks		
W,	7.4	281.39
b,	7.7	281.09
E,	7.6	281.19
450 ft. No. of Brooks		
E,	7.3	281.49
b,	7.1	281.69
W.	6.4	282.39
500 ft. No. of Brooks		
W.	6.2	282.59
b.	6.4	282.39
E,	6.8	281.99
550 ft. No. of Brooks		
E.	5.8	282.99
b.	4.6	284.19
W.	3.7	285.09
So. line of Thornton		285.09
W.	4.7	284.09
b.	4.8	283.99
E.	5.1	283.69

D

Sx



172.45

B.M 48.776 - S.E. Cor N. End Hydt. Hinge

BM 48.78
1.76
50.54
6.05
44.49

50.54
6.47
44.07

50.54
6.10
44.44

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City Hall, San Diego, Cal.
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City Hall, San Diego, Cal.

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60 53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

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