

LM ST. GRADES

" " " "

" " " "

" " " "

" " " "

20
2
15
20
32
5

F.B. 87

87

MICROFILMED
DEC 7 1964

9.10
11.64
11.6 = diff of level bet top
Helish curb + lower
point in creek bed at
South end of bridge
dist = 21.0' from curb in edge
of bank

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

315
946

$$\begin{array}{r} 205 \\ 68.5 \end{array}$$

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

Over & Nagle

Sept 2nd

Cart graded to Lot 1-2-3-4 12620

" " " " 8 " 14

Middletown

52.93 13.70 Union - Beech

55.83 55.83
50.33 51.66
5.50 4.17

55.83 55.83
50.33 50.00
5.50 2.83

55.83
2.84
52.99
11.67

6.456 6.456 6.456
56.66 60.32 64.00
7.90 4.24 .66

70.59
5.00
70.59

64.00
11.59
70.59
2.66
72.93
6.7
79.63
2.87
77.56

Union Aug 19 1887
Cedar May 5 1887
Beech Jan 2 1887

3/4 (3.11) 1
20

14.00 65.00

Cedar

1	12	63.00 64.00	1
2	11	60.32	2
3	10	56.66	3
4	9	53.00 53.00	23
5	8	51.66 52.33	4
6	7	50.33 51.66	5
		49.00 51.00	6

Beech

49.00 51.00

Union

10038	88.00	88.00	89.00	89.00	90.00	90.00
-------	-------	-------	-------	-------	-------	-------

North					
121.00	121.30	121.30	121.30	121.30	121.30
113.00	114.50	116.00	117.50	119.00	
8.80	6.80	5.30	3.80	2.30	
5.9	1.8	0.2	2.80	2.90	
2.4	+5.0	+5.10	+1.00	-0.60	

121.30	121.30	121.30	121.30	121.30	
110.00	111.50	113.00	114.50	116.00	
113.0	9.80	8.30	6.80	5.30	
1.09	8.1	8.90	13.1	6.00	
+4	+1.7	-0.6	6.8	-0.70	
			-6.3		

111.91	115.78	104.95	
3.87	11.07	10.57	
115.78	104.21	94.38	
1.09	0.74	2.83	
6.78	104.95	97.21	

111.91	113.71
2.57	
114.48	114.48
107.00	100.00
7.48	4.48

92.77	92.77	92.77	92.77
86.00	88.00	88.00	90.00
6.77	4.77	4.77	2.77

S	E	C	W
7.4	8.8	10.2	
C	4.9	6.1	7.8
N	3.3	3.7	5.5

First (116.98)

S	E	C	W
6.2	6.4	7.6	
C	4.7	5.3	6.1
N	3.8	4.2	6.1

2nd (125.00)

111.91	119.85	119.85	119.85	119.85	119.85
7.94	110.00	111.50	113.00	114.50	116.00
119.85	9.85	8.35	6.85	5.35	3.85
119.00	119.85	119.85	119.85	119.85	
.85	117.50	116.00	114.50	113.00	
	2.35	3.85	5.35	6.85	

Front

86.00	87.00	88.00	
86.00	87.00		
88.00	89.00	90.00	
92.75		95.00	
97.50		100.00	
102.25		105.00	
107.00	108.50	110.00	
107.25	108.75		

just

110.00	110.25	111.50	112.75	113.00
111.50		114.50		
113.00		116.00		
114.50		117.50		
116.00	117.50	119.00		
116.25	117.75			

Round

119.00	119.25	120.75	
119.00	120.50	122.00	
123.62		126.37	
128.24		130.74	
132.86		135.11	
137.50	138.50	139.50	
138.00	139.00		

Good

137.50	138.50	139.50	
137.50	138.50	139.50	

North					
141.25	141.25	141.25	138.54	13.71	141.25
139.50	139.12	138.74	138.87	138.00	141.25
17.8	2.13	2.51	2.88	3.25	
08	1.6	3.30	7.10	2.9	
+9	+3.6	2.6	2.9	+8	
		-1.8	-4.2		

141.25	141.25	141.25	141.25	141.25	
139.50	136.86	136.24	135.62	135.00	
37.3	4.39	5.01	5.63	6.25	
39.0	5.70	12.40	14.60	6.20	
38	4.4	5	5.6		
-1	-1.3	-7.46	-9.0	9-	

151.52	151.52	151.52	151.52	151.52	140.68
140.5	143.4	146.8	151.0	157.0	148.96
11.0	7.9	4.7	6.0		157.00

151.52	151.52	151.52	157.0		
140.5	143.4	146.8	151.0		
9.52	6.2	2.85	4.0		

142.54	142.54	142.54	142.54	142.54	
137.50	136.86	136.24	135.62	135.00	
5.04	5.68	6.30	6.92	7.54	

142.54	142.54	142.54	142.54	142.54	
138.37	138.74	139.12	139.5	139.5	
4.17	3.80	3.42	3.04		

BM 140.68	150.00	150.00	150.00	150.00	150.00
9.32	143.60	146.8	142.00	145.3	148.67
150.00	6.40	3.2	8.00	4.70	1.33
140.50	150.00	153.56	144.63	144.63	144.63
9.50	2.33	1.51	137.74	136.37	135
	147.67	2.56	6.89	8.26	9.68
	153.56				

BM 140.68	144.63	144.63	144.63		
3.95	140.50	139.11	139		
144.63	4.63	5.52	5.63		

137.50	137.50	138.50	139.50		
	137.5	138.5			
3rd					

137.50	137.50	138.50	139.50		
137.50	136.86		139.12		
136.24			138.74		
135.62			138.37		
135.00	136.50	138.00			
	135.25	136.75			
4th					

135.00	135.00	136.50	138.00		
135.00	136.37		139.00		
137.74			140.00		
139.11			141.00		
140.50	141.25	142.00			
	140.37	141.12			
5th					

140.50	140.50	141.25	142.00		
143.6			145.3		
146.8			148.67		
150.0			152.0		
151.00	152.00	153.00			
	151.00	152.00			
PARK			LINE		

91.08
6.20
84.88

91.08
84

91.08
6.28
84.80
2.5
3.3

91.08
84.50
6.58
6.43

90.43 B.M.
0.8
90.51 H.I.
84.50
6.01
90.51
83.81
6.70
90.51
83.12
7.39
90.51
85.12
5.39

90.51
85.81
4.70
90.51
86.50
4.01
90.51
86.50
4.01
90.51
86.25
4.26

90.51
86
4.57
90.51
85.75
4.76
90.51
85.30
5.01
90.51
85.25
5.26
90.51
85
5.51

90.51
84.50
6.61
90.51
84.66
6.42
91.08 H.I.
84.25
6.83
91.08
84
7.08
91.08
83
7.7
3.8

91.08
83.75
7.33
6.6
7.3
91.88
83.50
7.58
6.70
88
91.08
83.25
7.43
7.20
6.3

90.43 B.M.
0.00

90.43	90.43	90.43	90.43	90.43	90.43	90.43	90.43	90.43
86.50	85.81	85.00	84.60	83.81	83.00	80.43	90.43	
3.93	4.02	5.43	5.93	6.62	7.43			

90.43	90.43	90.43	90.43	90.43	90.43	90.43	90.43	90.43
86.50	86.25	86.00	85.75	85.50	85.25	85.00		
3.93	4.18	4.43	4.68	4.93	5.18	5.43		

90.43	90.43	90.43	90.43	90.43	90.43	90.43	90.43	
84.50	84.25	84.00	83.75	83.50	83.25	83.00		
5.93	6.18	6.43	6.68	6.93	7.18	7.43		

91.35
84.17
7.18
84.50
85.90
81.62
4.08

91.33
84.00
7.33
91.33
84.17
7.16
7.71

85.00
8.92
88.92
83.25
5.67

88.92
83.25
5.67

84.50
86.50
171.00
8.55

90.43
85.00
4.93

90.43
85.00
4.93

5

88.91
84.60
4.41
88.91
85.50
8.41

spike

PARK	83.00	84.00	85.00	LINE
	83.12		85.12	
	83.81	ST	85.81	
	84.50	85.50	86.50	
	84.50	85.50		

A

ST.

73.0

84.50	85.50	86.50	86.75
84.25		86.25	86.50
84.00		86.00	
83.88			
83.75		85.75	
83.62			
83.50		85.50	
83.25		85.25	
83.00	84.00	85.00	
83.00	84.00	85.00	

Sub limits. See Note 4
1' back of 1/2" line and set
perfectly grade

B

ST.

83.00 84.00 85.00

B.M.

77.11	77.11	77.11	77.11	77.11	77.11
71.80	71.60	72.40	72.20	73.00	
5.31	5.51	4.71	4.91	4.11	

77.11	77.11	77.11	77.11	77.11
71	70.62	71.25	70.87	71.50
6.11	6.49	5.86	6.24	5.61

74.84 B.M.

77.84	77.84	77.84	77.84	77.84	77.84	77.84
-------	-------	-------	-------	-------	-------	-------

58.57	65.92	65.92	65.92
7.25	63.25	56.12	55.37
65.92	2.67	9.80	10.55
62.75			
3.17			

70.8

72.4

1432

71.6

71.80 72.40 73.00

71.60 72.20

D

ST.

70.62	70.87
71.00	71.25
71.50	

69.83 70.47

68.67 69.83

67.50 68.24

66.33 67.17

65.17 66.08

64.00 64.50 65.00

63.75 64.25

E

ST.

62.75	63.25
63.00	63.50
64.00	

61.75 62.83

60.50 61.67

59.25 60.50

58.00 59.33

56.75 58.17

55.50 56.25 57.00

55.37 56.12

F

ST.

8

58.57	60.02	60.02	60.02	60.02	60.02	60.02
1.40	56.25	56.12	54.25	55.00	54.75	54.27
60.02	3.77	3.90	5.77	5.02	5.27	
55.37						
4.65						
50.06	51.67	51.67	51.67	51.67	51.67	51.67
1.65	46.75	46.37	47.12	47.25	47.37	47.50
51.67	2.92	3.30	4.55	3.92	4.30	4.17
45.12	51.67	51.67	51.67	51.67	51.67	51.67
3.55	46.33	45.75	45.17	44.58	48.50	45.92
51.67	5.34	5.92	6.50	7.09	6.17	5.75
46.92						
47.5	51.67					
51.67	46.75					
46.33	4.92					
5.34						

Aug 4th 1897. O. Engelbert

Cont. under Lts D. & A. B. 81

50.06 B.M.	50.16	50.16	50.16
0.1	46.33	45.92	45.50
50.16 H.I.	3.83	4.24	4.66
46.75			
3.41			

W. 44

F

ST.

58.50 56.25 57.00
55.37 56.12

54.25 54.75
54.50 55.00 55.50

53.50 54.42

52.50 53.33

51.50 52.25

50.50 51.17

49.50 50.08

48.50 48.75 49.00

48.12 48.37

G

ST.

47.62 47.87

47.12 47.37
47.50 47.75 48.00

46.92 47.58

46.33 47.17

45.75 46.75

45.17 46.33

44.58 45.92

44.00 44.75 45.50

43.87 44.62

H

ST.

1 out 1 out 0 1/2

1 1/4

D

E

F

Road E

7.99

48.62 40.63

S/m H

0.83

39.73

9.72

38.90

43.97 B m

0.51

44.48

44.48

44.48

44.48

44.48

44.48

37.00

36.62

37.26

36.87

37.60

7.48

7.86

7.23

7.61

6.98

30.69

0.16

35.84

35.84

35.84

35.84

35.84

30.00

29.76

30.50

30.26

31.00

5.84

6.09

5.34

5.59

4.84

35.84

35.84

35.84

35.84

35.84

28.60

28.26

29.00

28.76

29.50

7.34

7.59

6.84

7.09

6.34

43.03

43.03

43.03

43.03

43.03

43.03

38.00

38.12

38.75

38.37

39.00

37.00

36.87

4.12

4.91

4.28

4.66

4.03

5.53

6.16

43.03

43.03

43.03

43.03

43.03

43.03

38.00

37.35

36.62

37.00

36.00

37.00

4.12

5.78

6.41

6.03

40.63

48.1

44.94

44.94

44.94

44.94

9

44.00 44.75 45.50

43.87

44.62

H

ST.

42.87 43.62

43.00 43.75 44.50

-0.5 42.25

43.58 -0.5

+0.0 41.50

42.67 +0.1

+0.7 40.75

41.75 -0.3

+0.6 40.00

40.83 +0.4

+0.7 39.25

39.92 -0.6

0.0 38.50 38.75 39.00 +0.1

38.12

38.87

I

ST.

36.62 36.87

-0.4 37.00 37.25 37.50 +0.0

-0.3 36.83

36.42 -0.1

-0.2 34.67

35.33 +0.1

-0.1 33.50

34.25 +0.0

-0.3 32.33

33.17 +0.1

-0.5 31.17

32.08 +0.6

-0.0 30.00 30.50 31.00 +0.5

29.75

30.25

J

ST.

0.69

J + 11

30.69

0.10 30.69

2.53 23.154 9.68 21.01

9.64 13.90

Wtu point

skin Lst

SWAN

12 + 10

21.67 13.7M
512

21.66

26.79 26.79 26.79 26.79 26.79
22.00 21.50 22.00 21.50 22.00

4.79 5.29 4.79 5.29 4.79

26.79

20.07

6.72

10

30.00 30.50 31.00

29.75 30.25

J

ST.

28.25 28.75

-0.5 28.50 29.00 29.50 +0.2

-0.2 27.42 28.25 +0.5

+0.7 26.33 27.00 +0.5

+0.6 25.25 25.75 +0.4

+0.4 24.17 24.50 +0.3

+0.5 23.08 23.25 +0.9

+0.4 22.00 22.00 22.00 +0.8

21.50 21.50

K

ST.

20.50 20.50

+0.4 21.00 21.00 21.00 +0.6

+0.7 20.00 20.00 +0.4

+0.0 19.00 19.00 +0.1

+0.2 18.00 18.00 +0.2

+0.5 17.00 17.00 +0.3

+0.3 16.00 16.00 +0.3

+0.2 15.00 15.00 15.00 +0.0

14.50 14.50

L

ST.

3.82	18.00	14.18
5.10	11.10	12.00
1.03	14.93	13.90
14.93	14.93	14.93
13.50	12.33	11.17
1.43	2.60	3.46
	4.93	6.10
	7.26	8.43

L

ST.

Spk 20'	15.00	15.00	15.00
	14.50	14.50	14.50
+0.4	13.50	13.50	13.50
+0.4	12.33	12.33	12.33
+0.3	11.17	11.17	11.17
+0.1	10.00	10.00	10.00
-0.5	8.83	8.83	8.83
-0.7	7.67	7.67	7.67
-0.8	6.50	6.50	6.50
	6.00	6.00	6.00

M

ST.

-0.6	6.00	6.00	6.00
-0.4	5.75	5.75	5.75
-0.2	5.50	5.50	5.50
+0.9	5.25	5.25	5.25
+1.4	5.00	5.00	5.00
+1.6	4.75	4.75	4.75
+1.8	4.50	4.50	4.50
	4.00	4.00	4.00

N

ST.

J.D. Hooker Sept 4th 95

Contiguous to Lob A-B.
Bek. 55. Antou.

67.03 18.714
282
69.35 69.35 69.35 69.35 69.35
64.00 62.83 61.67 64.25 64.60
5.34 6.32 7.68 5.10 4.83

69.56 69.56 69.56 69.56
62.83 61.67
6.73 7.89

506
28
4.81

789
16
7.73

12



54111
8.01
59.12
55.25
3.87

Lot F. G. Bek 47

55.59
 50.00
 6.09
 56.59
 52
 4.59
 56.59
 53.50
 3.09
 56.59
 55.00
 1.59
 56.59
 55.00
 62.50
 56.59
 59.00

51.11 13.3m.
 548
 Lot a Bk 59

$$\begin{array}{r} 55.00 \\ 586 \\ \hline 60.86 \\ 5660 \\ \hline 43.4 \end{array}$$

Lot a Bk 5-9

51.11				
146				
62.57	62.57	62.57	62.57	62.57
45	45.88	46.76	47.63	47.63
7.67	6.69	5.82		
				49.4

$$\begin{array}{r} 62.57 \\ 75 \\ \hline 4507 \end{array}$$

Oct L^o Bek 68

58.84	58.84	58.84
58.52	54.00	52.50
3.34	4.84	6.34

J. Eng. L. G. Baker H
37, 11

			57.11				
			366				
54.77	54.77	54.77	54.77	54.77	54.77	54.77	57.77
49.50	48.63	47.75	50.50	46.00			
52.7	6.14	7.02	4.22	8.77			

5 stakes

51.11 B.M.

263		
53.64	53.64	53.64
4850	47.63	
514	6.01	

$$\begin{array}{r} 59.12 \\ 55.75 \\ \hline 3.37 \end{array}$$

13



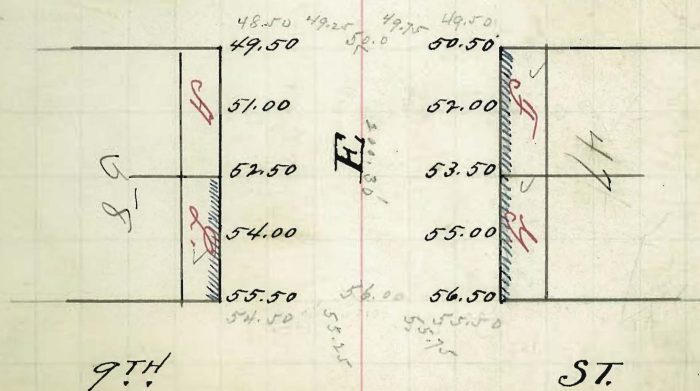
7TH

ST.



8TH

23



Lot G Bek 49 two Stakes

Lot F Bek 49 Messenger → B. Stakes

67.03 B.M.

1.92

68.95-68.95-68.95-68.95-68.95-
60.00-60.00-60.00-60.00-60.00-
6.95-6.70-6.45-6.20-4.95-

Lot Bek 57

67.03 B.M. Messenger Con

0.42

67.45

67.13

62.82 B.M. SEC 10 E

2.95

60.27 60.27 60.27

61.00 59.88 58.76

4.27 6.39 6.52

67.03 69.66 69.66 69.66
6.53 64.00 64.25-64.52
6.95-6.66 6.31 6.06

Van China

Lot A Bek 57

62.82

0.96

63.28 63.28 63.28 63.28
56.50 57.62 58.76-63.28

6.78 6.66 4.53

own Stake

H.B. Morris Lot F Bek 48

66.05 66.05-66.05-
57.60 58.76-60.00
8.5-8-7.30 6.05-

2 Stakes

CW 70

66.05

62.50

3.55

67.03 69.21 69.21
2.18 65.75 65.62
69.21 3.46 3.59
64.87
4.34

69.21 69.21 69.21
63.75 64.50 64.25
5.46 4.71 4.96
69.21 69.21 69.21
62.75 63.50 63.25
6.46 5.71 5.96
69.21 69.21 69.21
61.37 62.35 62.12
7.04 6.96 7.09

5.7

10TH

5.6

11TH

5.5

12TH

55.50 56.00 56.50
54.50 55.25 55.75

55.50 56.25 56.50
56.50 57.00 57.50

57.62 58.75
58.75 60.00

59.88 61.25

61.00 61.75 62.50
60.00 60.83 61.50

60.50 61.50 62.35 63.00
61.50 62.35 63.00

61.87 63.25

62.25 63.50

62.62 63.75

63.00 63.50 64.00
62.00 63.25 63.50

63.00 64.00 64.50 65.00
64.00 64.50 65.00

64.25 65.37

64.60 65.75

64.75 66.12

65.00 65.50 66.00
64.00 64.87 65.62

14

ST.

ST.

ST.

ST.

Williamson

71.23
93.6
6187
399
65.86
60.00
65.86

Lot G
Beh 51

James Mac Nam Lot a. L. Beh 53

Sept 18 1895

69.79 B.M.

144
71.23 71.23
68.75 61.87
7.48 9.36

69.79
1.67
71.46
10.44
61.02
1.79

62.81 62.81 62.81 62.81 62.81 62.81
68.00 62.25 64.50 62.75 67
4.81 65.6 8.81 10.06 11.81

60.26 60.26 62.49 62.49 62.49 62.49
3.64 3.64 56.25 54.50 56.75 51.00
63.90 62.49 6.24 7.99 9.74 11.49

Lot H B. 52

69.79 B.M.

6.35
70.14
9.32
60.82
2.23
63.05
58.00
5.05

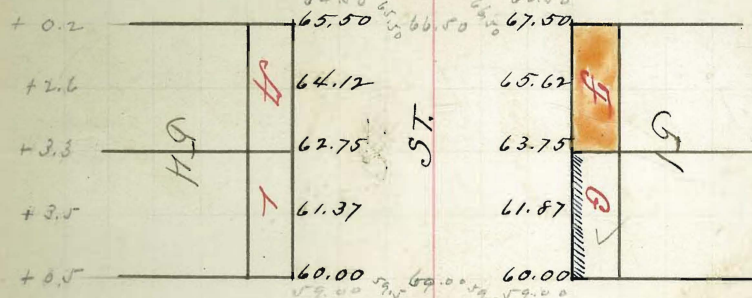
H. 8

63.05
56.25
6.80
63.05
54.50
8.55

15

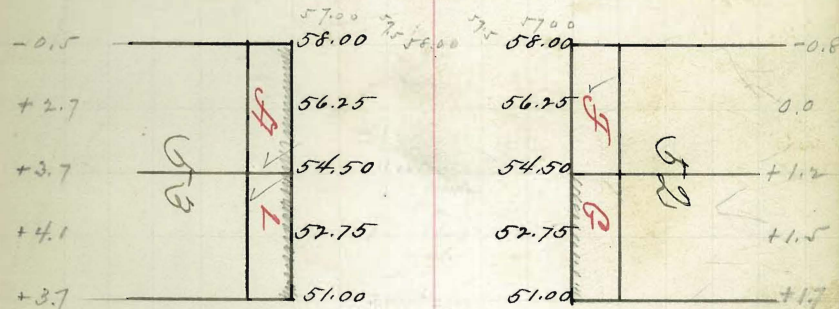
12TH

ST.



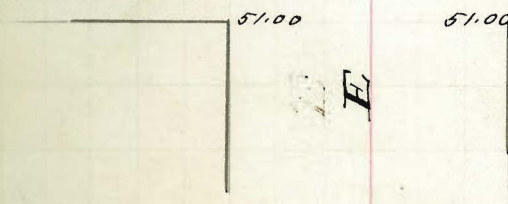
13TH

ST.



14TH

ST.



145.67	145.67	145.67	145.67
139.00	141.00	468	
6.67	4.67	140.99	

122.27	122.27	122.27	122.27
115.00	113.00	73.0	
7.27	9.27	114.97	

16

113.00

115.00

135.00

141.00

113.00

115.00

139.00

141.00

2/12/21

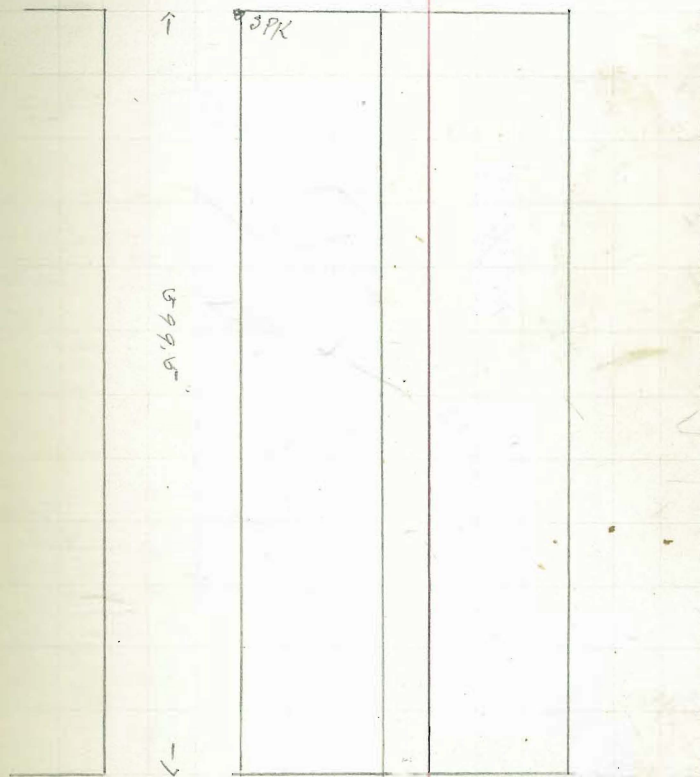
22000

Dr Polhemus

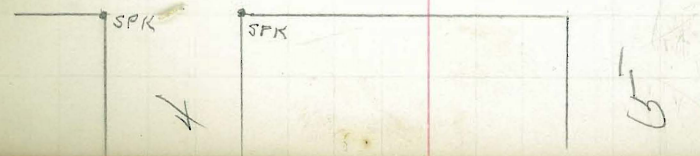
Sept 18th 95-

17

Monitor



Brooks



Mr Ingenoll

Sept 28th 95

Cut grades to Lot F Bk 57
Horton.

Trunks

Cut grade to Lot Jⁿ Bk 57

54.13 Bm 10th F

56.33	56.33	56.33	56.33	56.33
50.50	51.12	51.75	52.37	53.00
5.83	5.21	4.58	3.96	3.33
54.13				
387				
58.00		58.00		
53		52.37		
5.00		5.13		

Mr Brooks Cut grade to Lot R Bk 94

100 feet on F. 50 on 10th

54.13 B. m

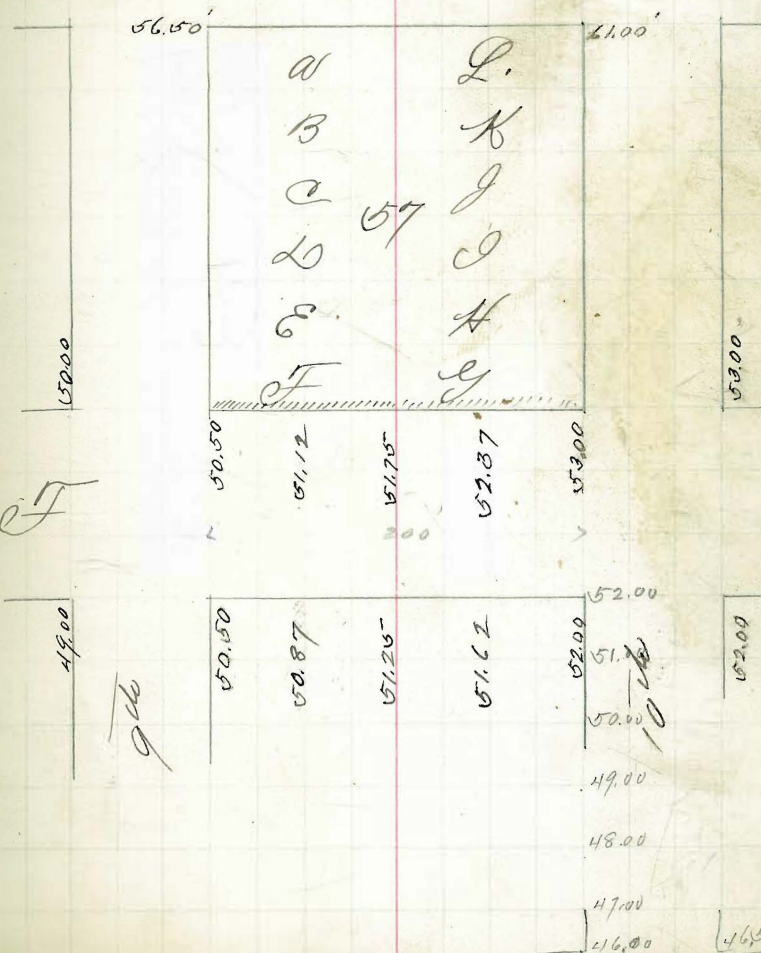
56.92	56.92	56.92	56.92	56.92
52.00	51.62	51.25	51.00	46
4.92	5.30	5.67	5.92	10.92

5 stakes

10th May 31 1887
F Jan 31 1889
9 May 31 1887

50/43.0 18 008
400 0
0.056 18

E



F

9th

14

Mr Higgins

Cut grade to NW. Co 19. C

Lot 6 Beki 11 Gardeners Add-

$\begin{array}{r} 71.09 \\ 65.00 \\ \hline 6.09 \end{array}$	$\begin{array}{r} 71.09 \\ 63.00 \\ \hline 8.09 \end{array}$	$\begin{array}{r} 71.09 \\ 61.00 \\ \hline 10.09 \end{array}$	$\begin{array}{r} 71.09 \\ 67 \\ \hline 4.09 \end{array}$	$\begin{array}{r} 71.09 \\ 65 \\ \hline 6.09 \end{array}$
--	--	---	---	---

Sept 24 95—

19



Orange Hill Reservation

19th

Mr Schmitt

Oct 9

Grade to Lot L "Bek 73 Hinton

50.26 B.M.

4 16

54.42 54.42 54.42

49.00 47.87 46.75

5.42 6.55 7.67

Mission Lot L Bek 75 into 1/2 Lot K

Mission Lot G & 1/2 Lot F Bek 56

54.13 B.M. on 10

604

60.17 60.17 60.17 60.17 60.17 60.17 60.17

55.50 54.87 54.25 53.62

4.67 5.30 5.92 6.55

54.13

627

60.40 60.40 60.40 60.40 60.40 60.40 60.40

53.25 53.50 54.31 53.87 53.25 52.62 52.00

7.40 6.90 5.90 6.53 7.15 7.78 8.40

54.13

333

57.46

52

5.46

57.46

52.62

4.84

57.46 57.46

53 53.62

4.46 8.84

54.13 B.M.

431

58.44 58.44

53.00 53.62

5.44 4.82

50.26 B.M.

641

56.67 56.67 56.67

50.50 50.87 57.25

6.17 5.80 5.42

58.67
53
56

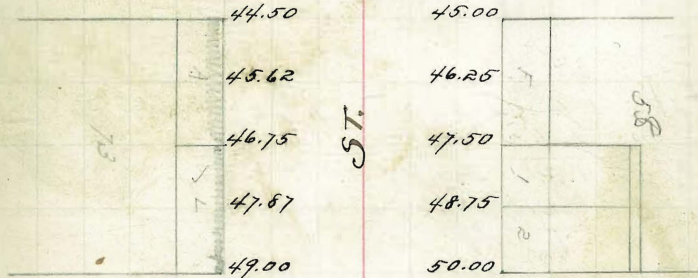
49.00
44.50
4 43.50
1.12

44.50
1.12
45.62
1.18
46.80
1.18
47.98

20

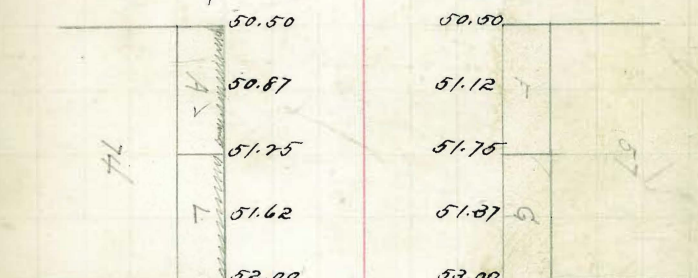
8TH

ST.



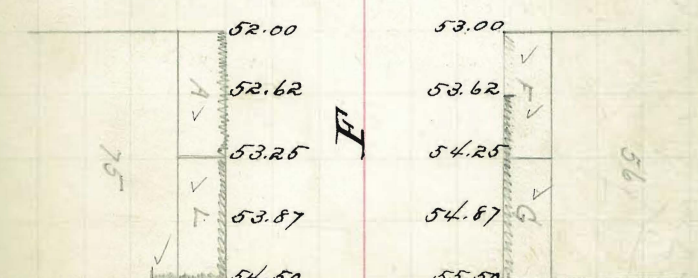
9TH

ST.



10TH

ST.



49.00
49.50
50.00
50.50
51.00
51.50
52.00
52.50
53.00
53.50
54.00
54.50
55.00

ST.

	59.10 B.W.	
	<u>4.80</u>	
63.90	63.90	63.90
<u>59</u>	<u>58.12</u>	<u>57.23</u>
4.90	5.78	6.65

Oct 3 rd 1895		54.13 78.22, Cur 10 - F	
770			
61.83 61.83 61.83	61.83	61.83 61.83 61.83	61.83
57.00 57.62 58.26	58.17	59.34	
4.83 4.21 3.58	3.66	2.49	

Swray Lato E. / F Bels 55-
60

				60.67
				511
61.79	61.79	61.79		65.62
57	59.04	60.65		61.17
4.79	2.55	-1.28		8.95

54.13	10.42	10.42
7.75		
61.88	61.88	61.88
57.00	57.62	58.00
4.88	4.26	4.26

61.88	61.88	61.88	61.88	61.88
57.62	58.25	58.17	59.34	60.51
4.26	3.63	3.71	2.54	1.37

Lat "G" Blk 55.

B. m

$\begin{array}{r} 58.57 \\ 5.60 \\ \hline 64.17 + 1.8 \\ 59.50 \\ \hline 4.67 \end{array}$	$\begin{array}{r} 64.17 \\ 58.25 \\ \hline 5.92 \end{array}$	$\begin{array}{r} 64.17 \\ 58.87 \\ \hline 5.30 \end{array}$
--	--	--

$$\begin{array}{r} 35.52 \\ 87 \\ \hline 36.37 \\ 87 \\ \hline 37.24 \end{array} \quad 54.50$$

$$\begin{array}{r} 89 \\ 58 \overline{) 12} \\ 88 \\ \hline 11TH \end{array}$$

100	✓	55.50
99.9	✓	56.37
98	✓	57.25
97	✓	58.12
	✓	59.00

12TH

27 Jan 1889

$$\begin{array}{r} 58.57 \\ 57 \\ \hline 1 \end{array}$$

ST. 57.41
4) 257.62
24
— 10
55.50

$$\begin{array}{r} 59.50 \\ 57 \\ \hline 6 \overline{) 250} (.41 \\ \underline{24} \\ 10 \end{array}$$

64.00					
62.83					
61.17					
60.51					
59.34					
58.17					
57.00					
57.62	✓	3	10	2	A
58.25	✓	5	55		
58.87	✓	4	9	2	Q.
59.50					

ST.

60.00

the Christensen
J. H. A. B. C. B. K. 76
C. F. B. K. 76 }

$$\begin{array}{r} 14 \\ 2 \overline{) 28} \\ \underline{28} \\ 0 \end{array}$$

Don Edwards.

Oct 10th 95

Grades to A.B.C. Bks 282 Hallow

	253.07	13.7m		
	152			
254.59	254.59	254.59	254.59	
250	248.66	247.32	246.00	
4.59	5.94	7.27	8.59	

247.32
371
247.103
246
5.03

23

Laurel

	249.00
	241.00

Kalmia

5-TH

st-

250.00	
248.66	A
247.32	B
246.99	C 282.
246.66	D
243.33	E
242.00	F

st-

A.E. Nutt.

Oct 10 95

Cumt grades.

170.09	170.09	170.09	170.09	170.09	170.09	170.09	170.09
164.50	166.50	168.50	168.50	168.50	168.50	168.50	168.50
5.59	3.59	1.59	1.59	1.59	1.59	1.59	1.59
176.16							
6.89							
183.06							
1.79							
4.06							

Shapel

179.00	179.00	179.00	179.00	179.00	179.00	179.00	179.00
175.82	176.16	A					
172.66	173.33	B					
169.50	170.50	C					
	168.50	D					
	166.50	E					
163.00	164.50	F					

For

163.00

163.50

3rd

4TH

24

180.00

180.00

183.00

183.00

180.00

C. E. Appenye

Sept 28 95-

Survey North Line Lot C. Blk
207 Horton

107.08
76-
106.28

107.06
23-
106.81

24

Cedar

PLG

EMM

300.18



300.10

Beech

PLG

PLG

1st

2nd

V.E. Shaw.

Sept 30th 95

Curb grades to Lot 9-10 Belk B.
Loma Grande.

	288.18	
	<u>4.04</u>	
292.22	292.22	292.22
287.67	287.83	287.67
<u>4.55</u>	<u>4.39</u>	<u>5.55</u>
		5.38

292.22
<u>285.66</u>
6.56

283.50

283.50

Brooks

ave

283.50

283.50

288.50

288.50

288.33

288.17

288.00

287.83

287.67

287.50

287.50

287.50

286.67

285.84

285.11

284.00

Walnut Ave

284.50

0 1.7
16
83
17
25.5

38
25
63

1 25
5

84
66
18
12
6

H
5
T
H

Rev. S. Mylner

Sept 30 95

Survey of Lts G. H. J. Blk 267 Horton.
also grades for the same

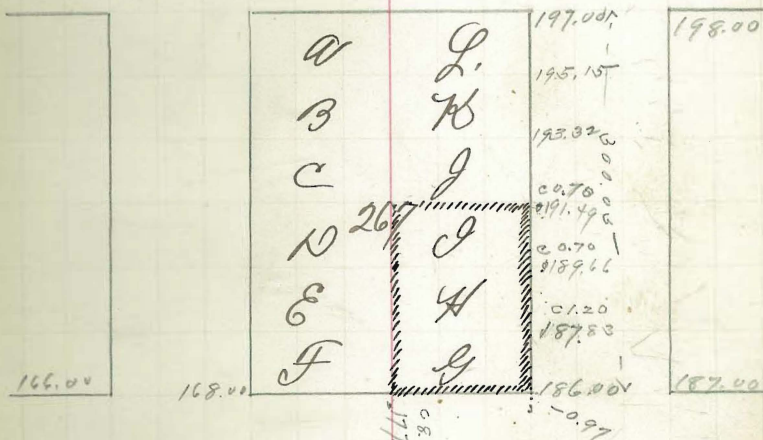
202.57 B.M. on 1st Juniper
103
203.60
1170
191.90
1.18

198.08	193.08	193.08	193.08	193.08
186	187.83	189.66	191.49	
7.08	5.20	3.42	1.59	
	4.00	27	0.99	
803-	41.20	c.7	c.69	
708				
- .97				

193.08
177.
16.08
79
8.18c

26

Kalmia



Juniper

PLG 200 7 PLG



Albatross

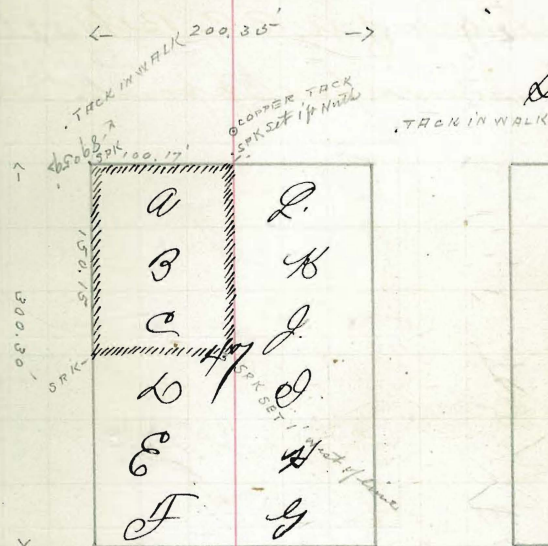
Throat

Isabella F Fuller Oct 8-8.

Survey of A.B.C. Bk 47 Hinton
as shown upon opposite page

27

LD



St

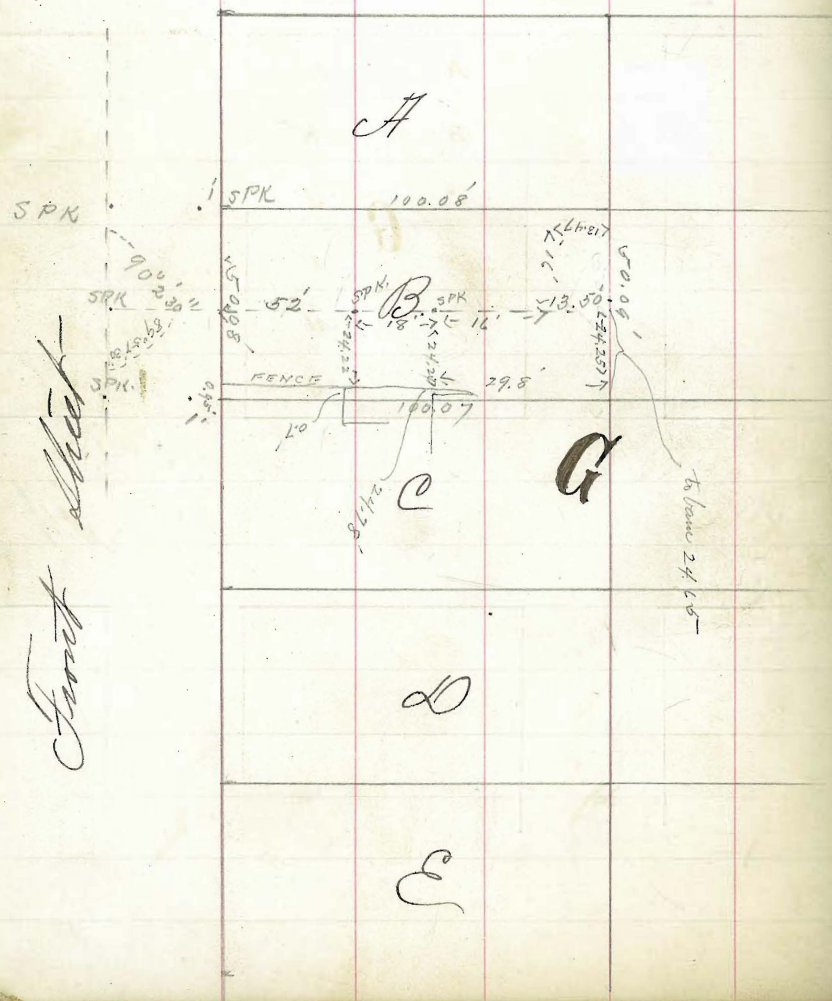
LD

St

St

Dr Gillis
 Survey of Lot "B" Blk "G" Horton
 Addition as shown upon this & the
 opposite page.

6" Sheet



89° 60' 28" 40-
 2 50
 830
 89° 60' 28" 40-
 2 50
 830
 284.40-
 1 4
 270.40-

28

6"

st-

20"

TRACK IN SIDEWALK

Front

st-

Front

89.60
 2 50
 830
 284.40-
 1 4
 270.40-

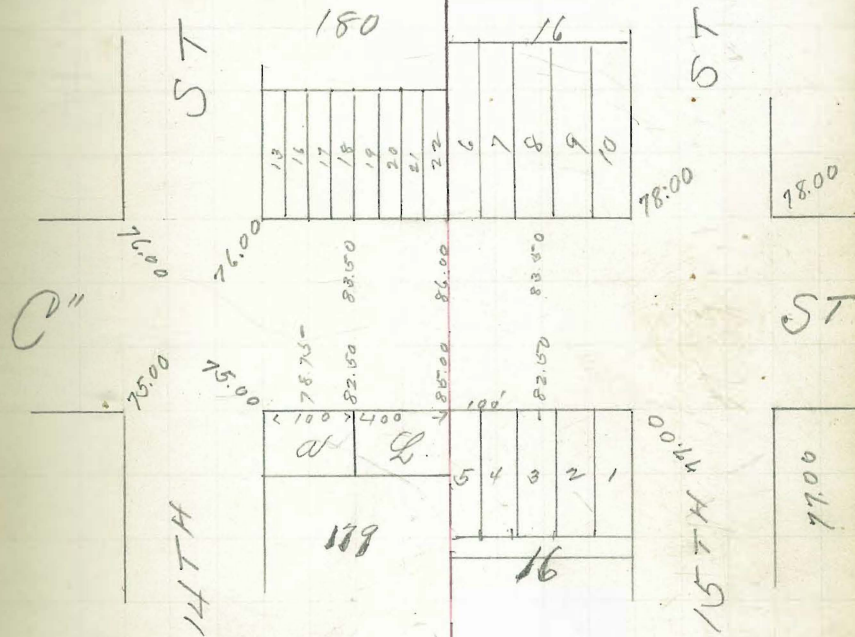
89.60
 2 50
 830
 284.40-
 1 4
 270.40-

83.26
 78.76
 -4.50

75.00			
826			
83.26	83.26	83.26	83.26
75.00	80.50	83.00	
8.26	2.76		
	83.26	83.26	
	80	82.50	
	3.26	.76	

Feb 18 1889

29



STH

22.2
18.9
50.2
7.717.5
49.8
65.5240.20'
235.70' to center of highway
803
72.24' to center of highway
79.34' to center of highway07.862
22.142
35.0
43.4 A.R.
39.6 to N.W. of corner

CEL. P. R.R.

CUYAMACA

SWITCH

Gulf and Toledo

10

W.

238.4
51.5241.7
37.7
151.3

N.W.

8

ST

8

J. D. Woods

Cont Grade to Feb 20. 21-22 Hutton

68.99 13.74

8.20

77.19	77.19	77.19	77.19	77.19
68.00	69.75	71.67	73.25	75.00
9.19	7.44	5.69	3.94	2.19

77.19
72.37
4.82

12TH

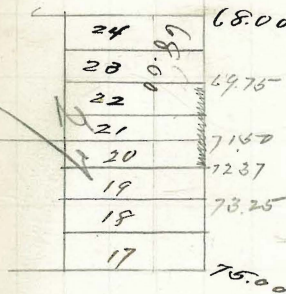


31

54.00

69.00

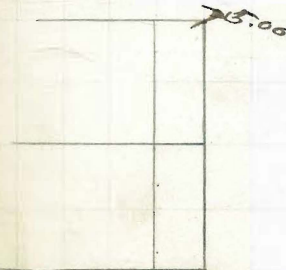
13TH



69.00

76.00

14TH



76.00

ST

ST.

$$\begin{array}{r} 1.888 \\ 18.99 \\ \hline 73.87 \\ 73.87 \\ \hline 4.87 \end{array}$$

015-
550
750

60.99	60.99	60.48	60.99	60.99
54.00	54.50	0.56	55.00	55.60
6.99	6.49	5.99	5.49	4.99

64.33	64.33	60.48	64.33	64.33
59.60	59.12	3.90	57.75	56.00
3.83	5.21	6.68	7.96	9.83
64.33	64.33	64.33	64.33	64.33
59.60	58.37	57.25	56.12	55.00
4.83	5.96	7.08	8.21	9.53

59.60	
942	
68.92	68.92
6825	6387
67	603

15TH

ST.

77.00

78.00

77.00

78.00

72.62

73.62

68.25

69.25

63.87

64.87

59.50

60.50

16TH

ST.

SPK
27'

59.50

60.50

56.37

59.12

57.25

57.75

56.12

56.37

55.00

55.00

17TH

ST.

54.00

54.00

54.50

54.50

55.00

55.00

55.50

55.50

56.00

56.00

18TH

ST.

9	54.00
10	54.50
11	55.00
12	55.50
13	56.00
14	56.50

0.94 67.72 66.78

10.72 57.00

9.00 58.72

5.94 72.72 66.78

5.72 67.00

5.96 93.00 87.04

6.00 87.00

6.50 93.54 87.04

4.54 89.00

3.89 118.86 114.97

5.86 113.00

33 1/2

18TH

56.00

56.00

57.00

57.00

59.00

59.00

61.00

61.00

63.00

63.00

65.00

65.00

ST.

ST.

19TH

67.00

67.00

72.00

72.00

77.00

77.00

82.00

82.00

87.00

87.00

20TH

89.00

89.00

95.00

95.00

101.00

101.00

107.00

107.00

113.00

113.00

C

ST.

21ST

ST.

SV 13 180.0
 NW 780.0
 SE 181.0
 NE 186.0
 SW D. 174.0
 NW 174.0
 SE 175.0
 NE 175.0

184.38
 179.75
 4.63

178.38

6.53

184.91

179.5

5.41. Red set for return at SW

and NW cor. 24th and C.

178.38

5.97

184.35

179.75

4.60

184.35

179.75

4.60

5.20

12019

114.97

34

21ST

ST.

113.00

113.00

115.00

115.00

121.00

121.00

127.00

127.00

133.00

133.00

139.00

139.00

22ND

ST.

141.00

141.00

146.50

146.50

152.00

152.00

157.50

157.50

163.00

163.00

23RD

ST.

164.00

164.00

169.17

169.17

174.33

174.33

179.50

179.50

180.0

24TH

ST.

180.50

180.50

Peter Christensen Oct 24-95-
Ant grade to Lts A. B. C. & F. B. B.

Ant grade to Lts A. B. C. & F. Belk

76⁰ *Hortow*

58. 57 B. m
2 71

61.28	61.28	61.28	61.28
55.68	56.87	57.26	
5.78	4.91	4.03	

54.42 on grade peg
250

61.28

6442

6.86

56.92 56.92 56.92 56.92
53.33 52.25 51.17 50.00

3.59	467	2-3-65
------	-----	--------

51.17 on grade peg
335

U. G. 9 m

7/72

5452	5452
3008	4900

4.44 5, 3-2

B-4, B-2 B-4, B-2
B-0, 12 B-1, 24

4.40 1928

4.40 13.28

Lotz A. B. Blk 81.

50.06 B. M.
3.46

$\begin{array}{r} 53.52 \\ 48.00 \\ \hline 5.52 \end{array}$	H.O.	$\begin{array}{r} 53.52 \\ 49.25 \\ \hline 4.27 \end{array}$	$\begin{array}{r} 53.52 \\ 50.50 \\ \hline 3.02 \end{array}$	$\begin{array}{r} 53.52 \\ 47.58 \\ \hline 5.94 \end{array}$
--	------	--	--	--

$$\begin{array}{r} 53.52 \\ 47.17 \\ \hline 6.35 \end{array}$$

F

057459

48.150

G.

47.50

411

81

1274

35

০৫৭৭৭৭

57.00

55.50	56.37	57.25	58.12	59.00
54.42	A		D.	
53.33	B		H	
52.25	C	76.	I	
51.17	D		O	
50.08	E		H	
49.00	F		G	

49.00

40. = 50, 1.2-

51.24

2. 136

13.12-0

4
4

0

000

53.00

S. W. Hackett
 Oct 15-95
 Cut grades to Lot J. J. Beck 208
 Horton

72.94
 63.05
 9.89

71.90.137m
 1.04
 72.94 72.94 72.94
 66.83 65.60 64.66
 6.61 7.44 8.28

72.94 72.94
 68 63
 4.94 9.94

72.94 72.94
 66.00 67
 6.94 5.94

65
 68.33
 13433
 67.16

6/500/83
 48
 20

63.53
 83
 62.66
 83
 65.49
 84
 66.33
 84
 67.17
 83
 68.00

337
 70.00

Cedar

A	L.	68.00	70.00
B	K	67.16	69.00
C	J	66.33	68.00
D	J	65.60	67.00
E	H	64.66	66.00
F	G	63.83	65.00
		63.00	64.00

Beech

First

First

62.00

63.00

J. W. Taylor

Oct 15 95-

Cont grades Lot I. Bek 48

M^{rs} Nealey

Cont grades to Lot J. W. Bek 48.

70.97	70.97	70.97	70.97	70.97	70.97	70.97	70.97
66.50	65.82	65.16	64.49	63.82	63.16	62.50	61.84
				7.97			
4.47	5.16	5.81	6.48	7.13	7.81	8.47	

1/4 00 66
3
62.50
60.16
60.82
64.49
65.16
65.83
66.50

67.00

38

68.50

10

a	Q.	66.50	68.00
B	K	65.82	
C	J	65.16	
D	I	64.49	
E	H	63.82	
F	G	63.16	
		62.50	63.00

60

61.00

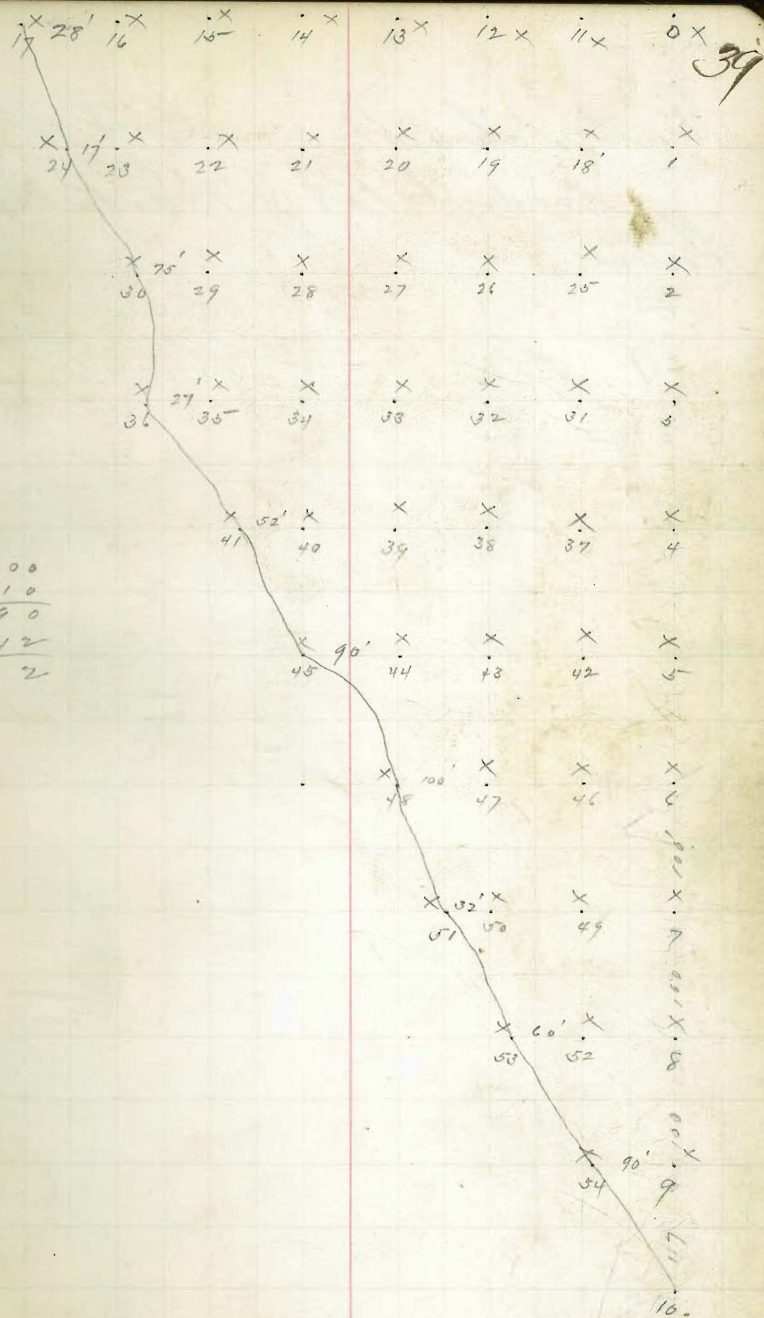
61.50

97H

107H

Stat	Prod	Stat	Prod	Stat	Prod
	(12.00)				18.32
0	3.20	28	9.50	5	4.50
11	6.00	29	11.50	42	3.90
12	7.90	30	13.00	43	5.20
13	10.00	36	11.70	48	8.30
14	11.20	35	11.20	47	6.90
15	12.00	34	9.40	46	6.40
16	12.80	33	7.70	6	6.00
17	13.00	32	3.50	7	6.30
24	12.60	38	1.00	49	7.30
23	13.20	39	5.10	50	7.70
22	12.60	40	8.40	51	7.90
21	10.80	41	9.40	53	8.20
20	8.70	45	6.30	52	8.20
19	6.70	44	3.70	8	8.00
18	3.80	2	3.00	9	8.70
1	1.40	3	2.60	54	8.60
25	1.50	31	6.60	10	10.40
26	5.10	37	4.20		
27	7.60	4	3.40		

12.00
 2.10
 9.90
 8.42
 18.32



Frank Schmitt

Oct 18 95

Grades to Lot J K. L. Bek 73

Arrows

50.26 13.77
3.19

53.45	53.45	53.45	53.45
49	47.90	46.82	45.74
4.45	5.55	6.63	7.71

53.45
42.50
10.95

G. H. J. Bek 73.

Nov 25 95

50.26
1.44

51.70	51.70	51.70	51.70
42.50	43.68	44.66	45.74
9.20	8.12	7.04	5.96

Stewart - Mrs Sheppard

4.45
1.08
5.53
1.08
6.61
1.08
7.69

49.00
42.50
6.50 (1.08)
6
52
48

40

50.00 50.50

F

St

a	73	49.00	50.50
B		47.90	
C		46.82	
D		45.74	
E		44.66	
F		43.58	
		42.50	44.50

g

41.00 43.00

Stender Mr

Oct 19 1895

67.02	67.02	67.02	67.02	67.02	67.02
61.00	61.10	61.24	62.66	64.32	60.50
6.02	5.90	5.78	4.36	2.70	6.52

60.50
12
60.62
12
60.74
12
60.86
13
60.99

67.02 67.02
60.86 60.74
6.16 6.28

61.10 B. M
592

64.32
3 13
67.45
66
145

313
148
147

60.50
61.32
6.07

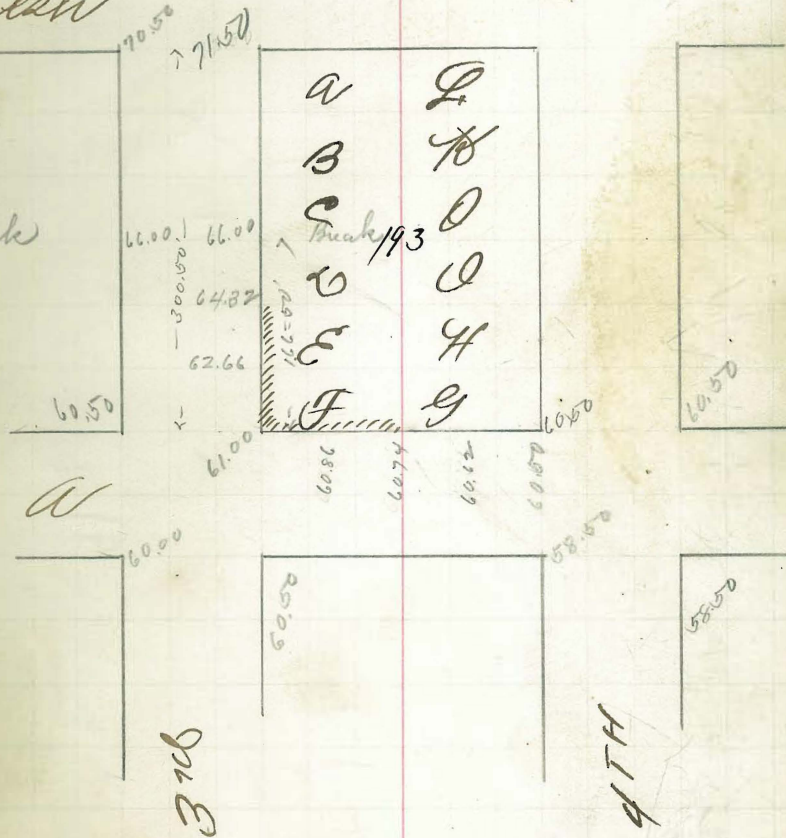
5.25 41

61.10
1.66
52.44
1.69
64.33
1.77
66.00



ash

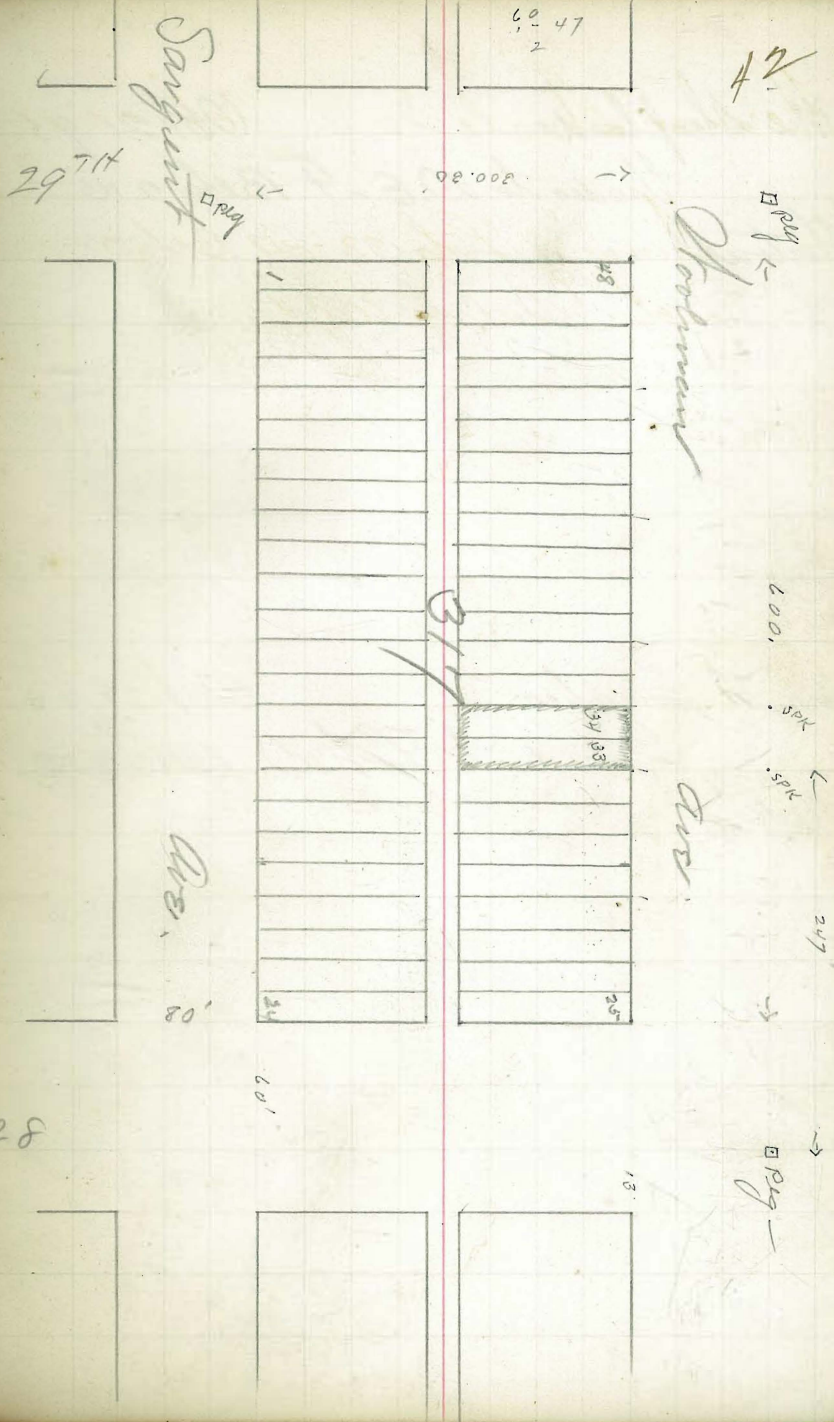
Break



Herman Thole Oct 21 96

Oct 21 96

Survey of Lots 33-34 Blk 3, 7
Reed Daley add



Mrs Shepherd

Oct 21 95-

Grades to D.E. - F Bk 215-

Horton

	133.68	B. 7M		
	4.19			
137.87	137.87	137.87	137.87	137.87
131.1	132.58	134.16	135.74	
6.87	5.29	3.71	2.13	

3.71
1.65
5.29
2.13

Mrs H. Hughes

Oct 21 95

Grades to Pt D Bk 202

Horton

	100.82	B. 7M	
	0.49		
	101.31		
	10.40		
	90.99		
	1.70		
92.69	92.69	92.69	
88.48	85.82	91.14	
4.21	0.87	1.5-5	

4.21
2.66
6.87

grade

5th Oct 10 1889

Elm

132.58
1.55
134.13
1.58
135.71

201

Beech

201.

ash

St 38⁴²

140.60
138.90
137.32
135.74
134.16
132.58
131.00

A
B.
C
D
E
F

215-

130.00

98.50

St-

96.50
93.50
91.14
88.48
85.82
83.16
80.50

A
B.
C
D
E
F

202

St-

D. G. Hale

Oct 28-95

Grades to L to D. E. F Belts 212
Haton

115.35	115.35	115.35	115.35	115.35
111	110.88	110.66	110.60	
4.06	4.52	4.69	4.85	

115.35	115.35
108	107
7.35	8.35

115.35	111
114.50	325
18.5	11426
	3.42
	11083

Date May 5 1887
Cedar May 5 1887
3700 Dec 1 1886.

Date

110.00
109.00
111.50
108.00

Cedar

105.00

3-20

114.60
111
3 3.50 (1.16)
3
20
111
116
112.16
116
113.32
116
114.48

110.00
110.16
110.00
110.50
110.56
110.88
111.00
110.00

25 A
25 B
25 C
25 D
25 E
25 F

Grades D 12
along 114.48
113.32
112.16
111.00

25 = 9710

107.00

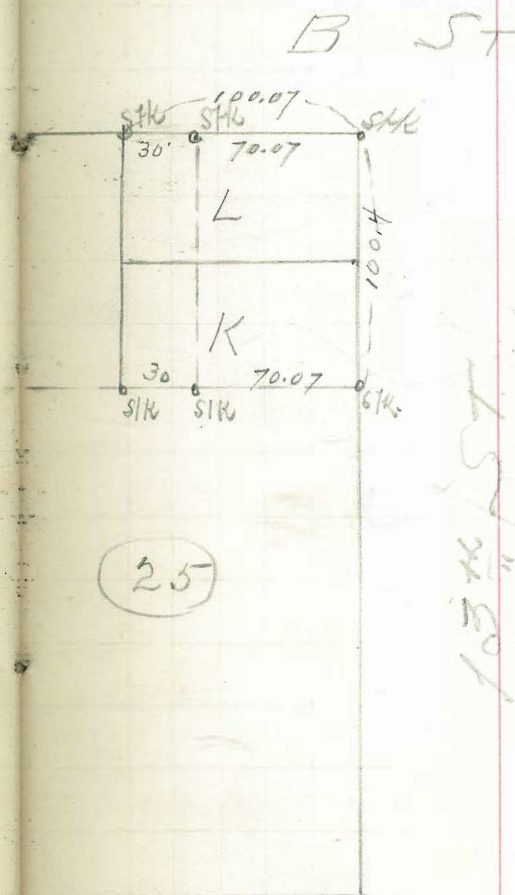
Oct. 24th / 1895

Survey of Lots 16 & 10
Block 25 of Norton's Addition
Showing stakes for West 30'
as per order #465 p 144 for
Mrs Collins

Block 25 H.A. fronting on 73rd St
is 300.4 long. as the fractional part
is in Lockbings' subdivision I gave
all exers to Lot 16 -
Shaw.

M. Shaw Transit
W.M. Rumsey } Chain
S.M. Williams }

44



Curb Grades Lot F Blk 58 HA

3" Status

0.71 50.97

B.M.

50.26

SW cor 9th & F

5.97 45.00

4.72 46.25

3.47 47.50

Ordered by Will M. Donald

Set Oct 26th 1905 **45**

E St

Eight St

58

F St

45.00

46.25

47.50

3.91 73.70

4.7 69.8

3.87 69.83

B.M. NE
E + 12

Order of P. Christensen
Order #468
Oct. 28/95

46

D ST

71.5

11 ST

(50)

J

69.83

69.0

12 ST

66.5

E ST

LOT F 1316 52 H.A.

57.56
5.39
62.95
57.60
5.93

0.79

70.58

69.79

2.13

63.62

9.09

68.49

62.95
57.25
5.70

5.65

57.97

62.95
57.50
5.45

63.62

5.62

58.00

7.37

56.25

this is
at
1' above
grade

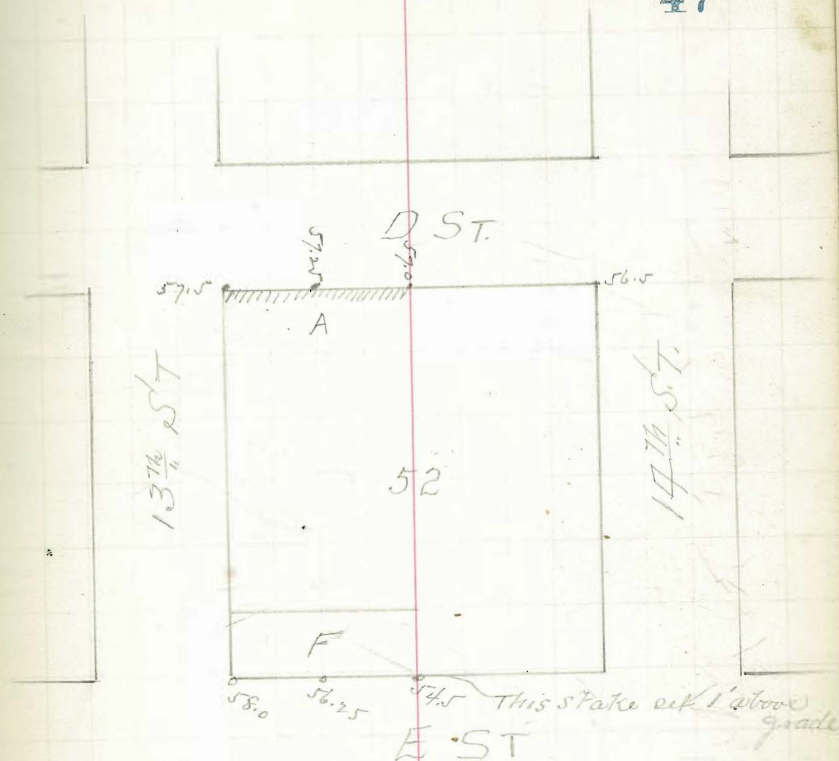
8.12

55.50

Order # 467

OCT. 28-1895

47



B. M.

62.40
3.4

65.80 H.A.

61.50

4.30

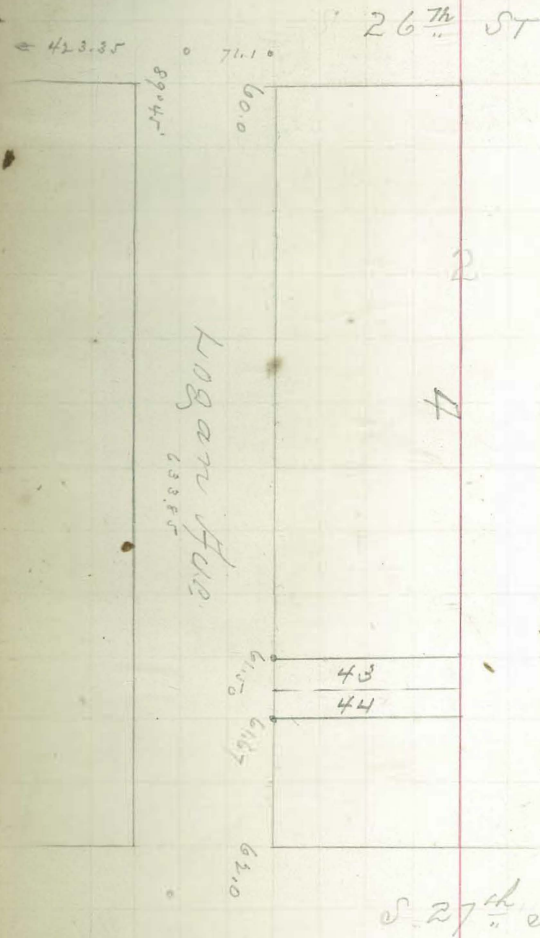
65.80

61.67

4.13

Curb Grades for Overman Hagle
Lots 43 and 44 Blk 4 of H. Add.

Oct. 30th 1895



Survey of Enac. Blocks 71
Arnold and Chiatos Addition
for J. Bailey

McShaw Transit
Williams and Ramsey Chain

Nov. 2nd 1895

50

Washington ST.



Curve grade for J.B. Standard
set stakes and marked cuts on stakes.

0.99 77.284 70.29

6.55	64.73	1.7 v
6.65	64.63	1.5 v
6.93	64.35	1.0 v
7.28	64.00	0.5 v
7.00	64.28	0.6 v
6.58	64.70	0.9 v
6.05	65.23	1.2 v

J.M. Shaw
Ramsay
Williams

51

Kalmia St

India St

67

63.16

63.33

63.5

63.66

63.83

63.0

300.65'

Columbia St

64.0

Juniper St

Curb Grades on Lots L₆ 16th W 1/2 J.
13110 3844

7.55 47.55 40.00

5.55 42.0

5.65 41.9

5.74 41.81

5.78 41.77

7.112 47.12 40.00

Set Nov. 18th 1895

5.34 41.68

Mr Shaw
Williams
Barney

52

Over Md Naglo

Nov. 6th 1895

5 Staters

C ST

2nd ST

42.0
L 41.9
K 41.81
J 41.77
38 41.72
41.68

3rd ST

41.5

D ST

Herman Walish
order Paul Reuther

Nov. 6th 1895
2 stakes

0.5-1

75.06

74.55

72.0

4.81

70.25

5.39

69.67

C ST

72.0

70.25

30

69.67

68.5

45
10th 50
30013

15
11th 50

Jacob Jundtke

N.M. cor first + C.

54

6.73 64.90 58.17

4.9 60.0

5.57 59.33

6.23 58.67

4.32 64.42 60.00

3.55 60.67

Set Nov. 7th 1895

63.55
58.67
4.88

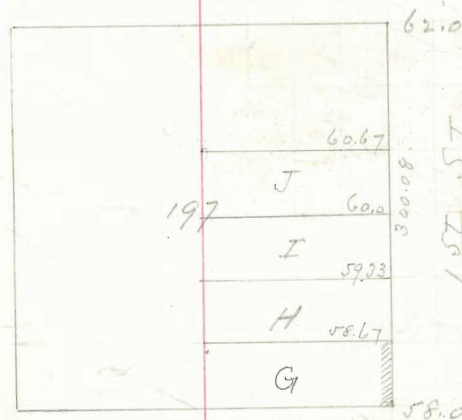
58.17 B.M.
5.38
63.55 H.I.
58.00
5.55

Over my Nagle

Nov. 6th 1895

Borch ST

Front

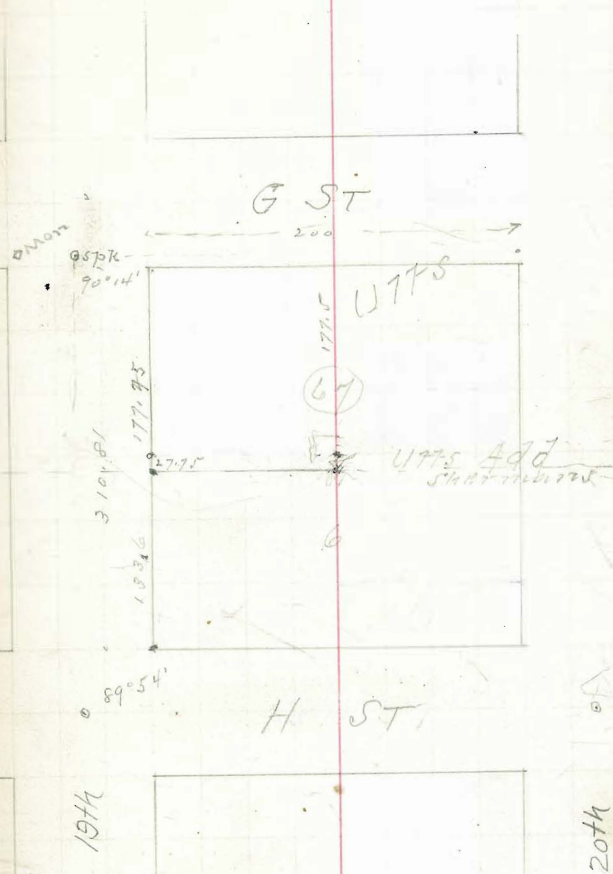


Ash ST

3 stakes

Survey for Mrs. Rogers

55

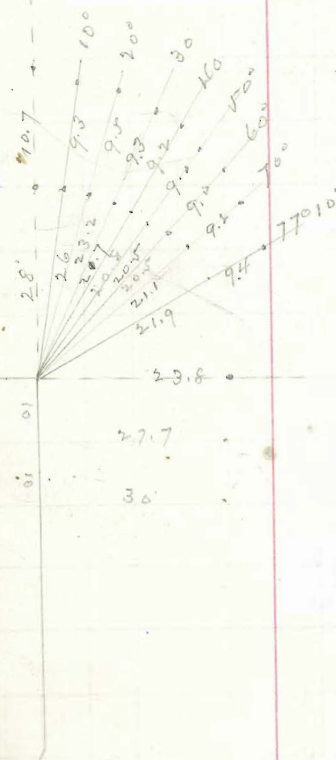


5th St Paving

Frontage paving 6467.13 x 33	213415.29 sq. ft.
Less for Elec. R.R. 5 th S. of Fir	64 00 " "
Total Frontage	213351 29 " "
Paving 22 crossings 4243.667 x 22 =	93360 67 sq.
Excise Fir St Crossing	395 35
Total 22 Crossings	92965 32 sq. ft.
Total Entire Street A to Walnut	306316.61 sq. ft.

Total Curbing Frontage	10884.26 lin ft
" " All crossings	1801 808 " "
" " A to Walnut	12686 068 " "

Total Sidewalks Frontage	59509.75 sq. ft.
" " All crossings	12249.31 " "
" " A to Walnut	71759.06



Survey of Lot D Block 256 H.A.
for J.F. Forward.
4 points and 2 grades

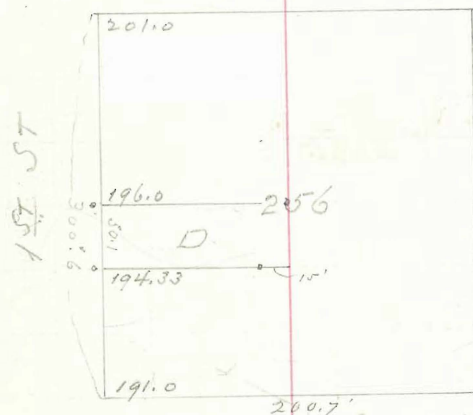
0.57 209.14

SE H47
209.57 Jun 1st

6.62 196.52 .52 cut

8.26 194.88 .55 cut

opue Juniper ST.



IVY ST

5.79

100.17

94.38

3.84

4.00

Nov. 13 1895

Shaw
Bumey
Williams

58

D ST

97.0

96.5

96.33

96.17

96.0

43

21 ST

E ST

20 1/2 ST.

1.41

69.53

68.12

5.28

64.25

6.03

63.50

6.78

62.75

0.90

65.24

64.34

4.56

60.68

5.49

59.75

Nov. 13th 1895

LOT C - Nov. 19/95

J. M. Shaw
Burnsey
Williams

59

C ST

62.50

65.0

64.25

K

63.5

60.68

J

62.75

59.75

32

900.25

972

57.00

60.5

D ST

Curb Grades in front of Lots

7.00	78.90	71.90
	1.73	77.67
	3.65	75.25
	6.07	72.83
	8.48	70.42
	10.90	68.00

Date R ST

Front St

	82.50
	80.08
	77.67
209 J	75.25
I	72.83
H	70.42
G	68.00

Cedar St

3.37

48.47

45.10

3.97

44.50

439

44.08

Nov. 18/95

Shaw
Pumsey
Williams

61

B ST

2nd ST

15

3rd ST

C ST

44.5

44.08

43.0

J ST

14th ST

14.00

10.6

13.0

16.5

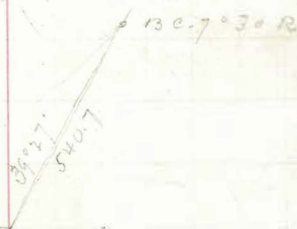
K ST

Ref

	<u>14.40</u>		<u>19.80</u>	
	8.8		8.0	
A 1	5.6	E 6	11.8	8.80
	4.9		9.4	
B 1	9.5	D 6	10.4	
	5.3		12.0	14.8
D 1	9.1	C 6	7.8	B 11
	5.3		13.8	5.0
E 2	9.1	B 6	6.0	D 11
	6.4		15.8	14.7
D 2	8.0	A 6	4.0	E 12
	7.0		13.8	7.3
B 2	7.4	B 7	6.0	D 12
	7.4		10.2	6.0
B 2	7.0	D 7	9.6	C 12
	7.0		9.8	6.2
A 2	7.4	E 8	10.0	B 12
	6.7		12.1	7.0
B 3	5.7	D 8	7.7	A 12
	6.9		12.7	6.8
D 3	7.5	C 8	7.1	
	6.3		14.0	
E 4	8.1	B 8	5.8	
	8.5		15.2	
E 4	5.9	A 8	4.6	
	6.9		14.7	
C 4	5.5	B 9	5.1	
	10.4		12.9	
B 4	4.0	D 9	6.9	
	13.5		12.2	
A 4	0.9	E 10	7.6	
	13.0		14.9	
B 5	1.4	D 10	4.9	
	8.8		15.2	
D 5	5.6	C 10	4.6	
	14.40		15.1	
	6.31	B 10	4.7	
	8.09		15.0	
	11.71	A 10	4.8	
	<u>19.80</u>			

Nov. 20 - 1895

	E	D	C	B	A
1	14	x	11	x	0
2	x	x	x	x	0
3	19	x	18	x	01
4	x	x	x	x	x
5	26	x	25	x	2
6	x	x	x	x	x
7	32	x	31	x	3
8	x	x	x	x	x
9	38	x	37	x	04
10	x	x	x	x	x
11	43	x	42	x	5
12	x	x	x	x	x



Edwards,

Ant to L⁶-C-10

Nov 21 95-
Beks 51 Horton

73.33		
218		
75.53	75.53	75.53
68.83	69.40	70.16
6.70	6.93	6.37

75.53
69.40
6.13

71.50
70.10
68.70
138.80
69.40

72.50

20"

71.50
70.83
70.16
69.50
68.83
68.17
67.50

66.00

65.00

70.08
68.70
138.78
69.39

70.10
68.70
138.80
69.40
71.50

64

71.50
70.83
70.16
69.50
68.83
68.17
67.50

66.00

70/18

Chas Gordon
 Cont Grades to Lot G. H. I. Bek
 15 Horton

	45.10		
	2.10		
47.20	47.20	47.20	47.20
42.00	42.42	42.53	43.24
5.20	4.78	4.67	3.96

Chas Gordon
 Cont grades to Lot G. H. Bek
 86 Horton.

	27.63		
	6.27		
33.90	33.90	33.90	
27.00	28.26	29.50	
6.90	5.64	4.40	

Peter Christensen	27.63	7.77	Nov 25-95
	11.48		
39.11	39.11	39.11	39.11
35.00	33.76	32.50	31.25
4.11	5.35	6.61	7.86

11.61	27.63	34.16
12.00	6.53	30.75
10.36	34.16	3.41
1.00	29.50	
	4.66	

B.

416 = 50'

15

I

H

Y

C. St-

G. St-

86

I

H

Y

H.

25.50

4.20

44.50

St-

44.50

7

300.2'

1

35.00

33.25

32.00

30.75

29.50

28.25

27.00

27.50

27.50

27.50

27.50

27.50

27.50

27.50

27.50

27.50

27.50

4.11	
1.25	
6.36	
1.25	
6.61	
1.25	
7.86	
1.25	
9.11	
1.25	
10.36	
1.25	
11.61	

43.00

35.00

33.75

32.50

31.25

30.00

28.75

27.50

27.50

27.50

27.50

27.50

27.50

27.50

27.50

27.50

27.50

27.50

86

I

H

Y

H.

25.50

26.00

26.00

26.00

26.00

26.00

26.00

50.00

50.50

F

49.00

L.

47.90

K

46.82

J

45.74

I

44.66

H

43.58

G

42.50

1.08 = 80.1

73

G.

41.00

50.50

A

B

C

D

E

F

44.50

43.00

Tde
9

Dr Jones

Nov 25 1895

40	
4.01	
44.01	124.01
36.20	34.98
7.81	9.03

3.59

43.59

40.00

8.63

34.96

7.57

36.02

5.06

38.53

E Side
155' N d
N 80' W

20

29 = 611

60

41.50

39.35
38.35
36.20
34.98
32.50

31.50

3700

67

42.60

42.00

39.00

33.60

32.50

A. Thompson

Mar 27th 95-

Sit

No. 30th 95

56 cur

10 m H

6.17

46.80

40.63

3.80

43.00

4.80

42.00

5.80

41.00

5W cur

10.36

54.88

2.28

44.52

10 m B

56 cur

0.73

54.15

10 m F

Ly Mch 7 1887

68

46.00

46.60

G.

44.50

44.60

45.00

45.00

43.40

44.00

42.32

43.00

41.24

42.00

40.16

41.00

39.08

40.00

38.00

39.00

27 = 80.1

A.

37.60

38.150

10th

J. R. Seefert

Nov 27-95

Lot C Bek 30 Hoston

A. B. C

74.55			
240			
76.95	76.95	76.95	76.95
7200	71.41	70.83	70.25
4.95	5.54	6.12	6.70

71.00

72.00

C

71.00

70.83

69.67

69.00

68.82

67.66

67.00

29 = 799'

20.

66.50

10 do

72.00

71.41

70.83

70.25

69.66

69.08

68.82

29 = 38.5'

68.00

A. C. Gordon

Nov 27th 95-

Grades to Lot B. Beck // Horton

1.70	62.80		61.10	
2.59	57.29	8.10	54.70	
		0.96	56.33	1.1 Fill
		5.12	52.17	1.0 Fill

Breaks

B.

3rd

70

60.50

61.00

60.00

44.50

44.50

60.50

56.33

52.17

48.00

46.50

A

B

C

D

E

F

11

Curb Grades Lots 9 to L. in 12th

1.40

9.90

8.5

9 Stakes

Set Dec. 2/95

3.9 6.0

4.4 5.5

4.9 5.0

5.4 4.5

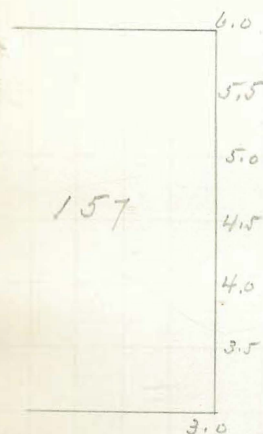
5.9 4.0

6.4 3.5

6.9 3.0

157 H.A. order E. F. Rockfellow

M ST



N ST.

Order Peter Christensen Loto J. to L. min.

Blk 76 H.A.

72

11.52 61.58 50.06

8.10 53.48

2.58 59.00

3.50 58.08

4.41 57.17

5.33 56.25

6.25 55.33

3.71 58.13 7.16 54.42

4.63 53.50

7.19 60.32 60.68 53.49

5.35 55.33

4.43 56.25

6.26 54.42

53.49
686
6035
5442
5.93

50.06
1026
6032
58.5
682

60.32
55.33
4.99

60.32
56.25
4.07

12th

F ST

59.0

58.08

57.17

56.25

55.33

54.42

53.5

G ST

Dec. 2nd 1895

Carb Grades - F. Dingo
 Lots 7 and 8 Blk 21 Middletown

0.28 54.08 53.80 SE Cor
 Asth St

1.33 47.57 8.84 45.24

4.75 46.04 6.28 41.29

5.13 40.91 NW Cor
 State and
 Asth

4 States St

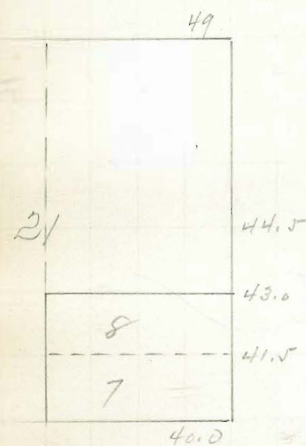
3.04 43.00 0.2 cut

4.54 41.56 0.6 cut

6.04 40.00 1' cut

3.2 43.84 Ground
 NE. Cor

Beech St



Asth St

22

Ground 43.84

Union St.

Survey for J. Allison
 Lots A. and B.

3.61 211.44 207.83

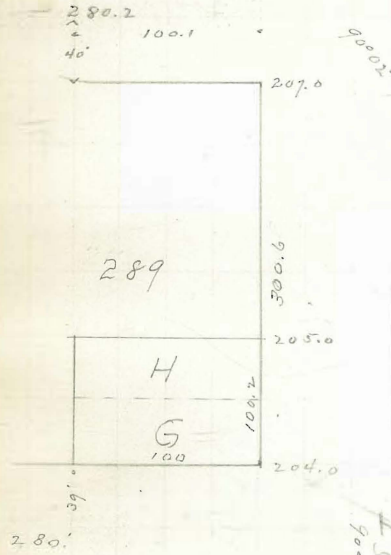
4.34 207.10 2.1 cut

5.71 205.74 1.5 cut

89°58'

300.8

90°00'



Front St.

74



Order Peter Christensen
 Cubic yards for Lot "L"
 Block #81 Horton Add.

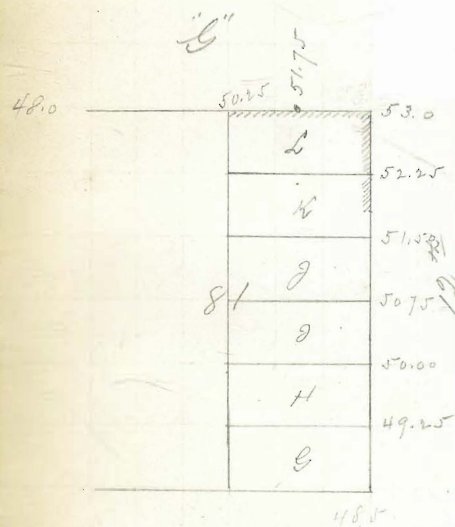
5.52 59.01 53.49

7.26 51.75

6.01 53.00

6.46 52.25

7.51 51.50



75 1/2

8,58	35,50	7,39	36,50
------	-------	------	-------

7.10. 46.5

21-

Order Black & Grey

Curb grades for Lot "F" Block
#283 Horton

2.82 255.69 253.07

Grade for step (Prop. Grade)

35' N of cor on 5'

3.57 252.12

4.69 251.0

4.44 251.25

4.19 251.50

3.94 251.75

3.69 252.0

5011.25 351.8.75
35 51.25
625 352.12
375
50148.75
875

Set 6 points

Dec. 5/95

Maple

Laurel

77

ST

ST

258.5

A

B

C

D

E

F

283

252.15

251.0

251.5

252.0

ST

Elv. gutter on NW Cor 15 = 100

146.8 150.0
145.6 146.8
3.2 3.2

3.2 50.0 1.1 X

3.2 50.0 (15.6)

3.2
18.0
16.0
2.0

18.0
145.6
3.2

2.86	47.96		45.10
8.66	55.75	0.87	47.09
8.10	62.80	1.05	54.70
		1.71	61.09

6.5
1.5
9.0
3.25

84.5
3.25
81.25

15.300
3.25

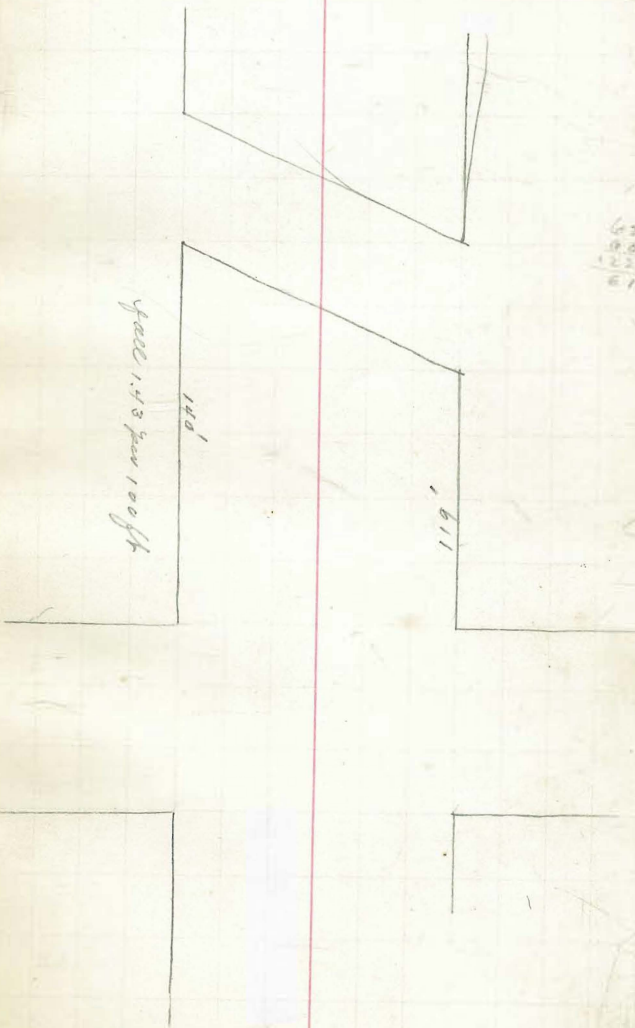
105.3
41
101.2
99.4 =

Elv. Centerline on West line 15

Elv. gutter SW Cor 15

45.75
64
129.75
64.87

63.25
8.00
122.75
61.27

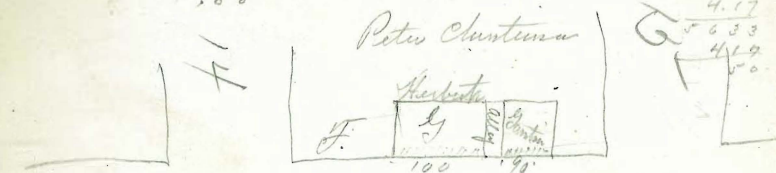


138.07 144.04 144.04 144.04 144.04
 5.77 136.75 136.50 135.25 135.25
 144.04 7.29 7.54 8.79 2.14
 138.00 144.04 144.04 144.04
 6.04 140.37 141.25 141.12
 3.67 2.79 2.92
 138.07 138.07 138.07 142.23
 140.46 141.51 142.23 135.50
 135.25 136.50 136.72 5.73
 5.21 5.01 5.48

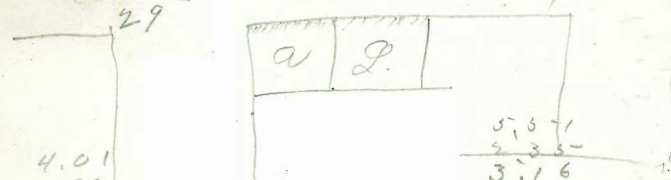
73
 50
 123

72

511 Lots to L. SE Cor 14-C 79 60.5
 513 Dr Baley Peter Chantema 46.0
 632.85 6.83 13.65 3/12.5
 7.08 6.28 4.16
 6.20 15.5 2.70 46.00
 .88 13.25 2.16
 4.17
 4.19
 5.0



5.80 5.26 5.01
 5.51 1.65 6.4
 29 3.61 4.61



50.26 50.26
 446- 446-
 5471 5471 5471
 60.00 4875 4760
 4.71 5.96 7.21

2.67
 4876- 4876-
 67.32 67.32 61.32 61.32
 456 456 467 43-
 4760 4760 4.0-7 6.32
 3.82 4.26 4.31 4.76
 0.88 1.16 0.75
 3.54 3.41 4.01

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Designed by GEO. T. KEITH, M. Am. Soc. C. E.

TABLE I.—Minutes in Decimals of a Degree.

1'	.0167	11'	.1833	21'	.3500	31'	.5167	41'	.6833	51'	.8500
2	.0333	12	.2000	22	.3667	32	.5333	42	.7000	52	.8667
3	.0500	13	.2167	23	.3833	33	.5500	43	.7167	53	.8833
4	.0667	14	.2333	24	.4000	34	.5667	44	.7333	54	.9000
5	.0833	15	.2500	25	.4167	35	.5833	45	.7500	55	.9167
6	.1000	16	.2667	26	.4333	36	.6000	46	.7667	56	.9333
7	.1167	17	.2833	27	.4500	37	.6167	47	.7833	57	.9500
8	.1333	18	.3000	28	.4667	38	.6333	48	.8000	58	.9667
9	.1500	19	.3167	29	.4833	39	.6500	49	.8167	59	.9833
10	.1667	20	.3333	30	.5000	40	.6667	50	.8333	60	1.0000

TABLE II.—Inches in Decimals of a Foot.

1-16	3-32	$\frac{1}{8}$	3-16	$\frac{1}{4}$	5-16	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$
.0052	.0078	.0104	.0156	.0208	.0260	.0313	.0417	.0521	.0625	.0729
1	2	3	4	5	6	7	8	9	10	11
.0833	.1667	.2500	.3333	.4167	.5000	.5833	.6667	.7500	.8333	.9167

TABLE III.—Radii, Ordinates and Deflections.

Deg.	Radius	Mid. Ord.	Tan. Def.	Chd. Def.	Def. for 1 Foot	Deg.	Radius	Mid. Ord.	Tan. Def.	Chd. Def.	Def. for 1 Foot
0°10'	34377.	.036	.145	.291	0.05'	7°	819.0	1.528	6.105	12.21	2.10'
0	17189.	.073	.291	.582	0.10	20'	781.8	1.600	6.395	12.79	2.20
30	11459.	.109	.436	.873	0.15	30	764.5	1.637	6.540	13.08	2.25
40	8594.4	.145	.582	1.164	0.20	40	747.9	1.673	6.685	13.37	2.30
50	6875.5	.182	.727	1.454	0.25	50	716.8	1.746	6.976	13.95	2.40
1	5729.6	.218	.873	1.745	0.30	20	688.2	1.819	7.266	14.53	2.50
10	4911.2	.255	1.018	2.036	0.35	30	674.7	1.855	7.411	14.82	2.55
20	4297.3	.291	1.164	2.327	0.40	40	661.7	1.892	7.556	15.11	2.60
30	3819.8	.327	1.309	2.618	0.45	50	637.3	1.965	7.846	15.69	2.70
40	3437.9	.364	1.454	2.909	0.50	20	614.6	2.037	8.136	16.27	2.80
50	3125.4	.400	1.600	3.200	0.55	30	603.8	2.074	8.281	16.56	2.85
1	2864.9	.436	1.745	3.490	0.60	40	593.4	2.110	8.426	16.85	2.90
10	2644.6	.473	1.891	3.781	0.65	50	573.7	2.183	8.716	17.43	3.00
20	2455.7	.509	2.036	4.072	0.70	10	546.4	2.292	9.150	18.30	3.15
30	2292.0	.545	2.181	4.363	0.75	20	521.7	2.402	9.585	19.16	3.30
40	2148.8	.582	2.327	4.654	0.80	30	499.1	2.511	10.02	20.04	3.45
50	2022.4	.618	2.472	4.945	0.85	40	478.3	2.620	10.45	20.91	3.60
1	1910.1	.655	2.618	5.235	0.90	50	459.3	2.730	10.89	21.77	3.75
10	1809.6	.691	2.763	5.526	0.95	10	441.7	2.839	11.32	22.64	3.90
20	1719.1	.727	2.908	5.817	1.00	20	425.4	2.949	11.75	23.51	4.05
30	1637.3	.764	3.054	6.108	1.05	30	410.3	3.058	12.18	24.37	4.20
40	1562.9	.800	3.199	6.398	1.10	40	396.2	3.168	12.62	25.24	4.35
50	1495.0	.836	3.345	6.689	1.15	50	383.1	3.277	13.05	26.11	4.50
1	1432.7	.873	3.490	6.980	1.20	10	370.8	3.387	13.49	26.97	4.65
10	1375.4	.909	3.635	7.271	1.25	20	359.3	3.496	13.92	27.84	4.80
20	1322.5	.945	3.781	7.561	1.30	30	348.5	3.606	14.35	28.70	4.95
30	1273.6	.982	3.926	7.852	1.35	40	338.3	3.716	14.78	29.56	5.10
40	1228.1	1.018	4.071	8.143	1.40	50	319.6	3.935	15.64	31.29	5.40
50	1185.8	1.055	4.217	8.433	1.45	10	302.9	4.155	16.51	33.01	5.70
1	1146.3	1.091	4.362	8.724	1.50	20	287.9	4.374	17.37	34.73	6.00
10	1109.3	1.127	4.507	9.014	1.55	30	274.4	4.594	18.22	36.44	6.30
20	1074.7	1.164	4.653	9.305	1.60	40	262.0	4.814	19.08	38.16	6.60
30	1042.1	1.200	4.798	9.596	1.65	50	250.8	5.035	19.94	39.87	6.90
40	1011.5	1.237	4.943	9.886	1.70	10	240.5	5.255	20.79	41.58	7.20
50	982.6	1.273	5.088	10.18	1.75	20	231.0	5.476	21.64	43.28	7.50
1	955.4	1.309	5.234	10.47	1.80	30	222.3	5.697	22.50	44.99	7.80
10	929.6	1.346	5.379	10.76	1.85	40	214.2	5.918	23.35	46.69	8.10
20	905.1	1.382	5.524	11.05	1.90	50	206.7	6.139	24.19	48.38	8.40
30	881.9	1.418	5.669	11.34	1.95	10	199.7	6.360	25.04	50.07	8.70
40	859.9	1.455	5.814	11.63	2.00	20	193.2	6.583	25.88	51.76	9.00

TABLE V.—Middle Ordinates for Rails

CURVE FORMULÆ.

To find Tons of Rail in one mile of track : multiply weight per yard by 11, and divide by 7.

180.7 300 4.2
 1181 1737.5 3.73
 164.02
 1.33
 165.33
 12.00
 163.33
 1174.5
 142.12
 35.5
 145.67
 117.1
 133.96
 0.13
 134.1
 119.1
 122.21
 2.06
 122.37
 56.92 56.92 56.92 56.92
 57.12 57.12 57.12 57.12
 58.0 58.0 58.0 58.0
 112.97 92.08 H1
 0.49 11.96
 115.45 80.13 T.P.
 11.80 1.45 80.1
 103.66 78.68 1.4
 0.06 11.42 81.6
 103.72 67.26 11.4
 11.81 0.93 70.9
 91.91 68.19 71.0
 0.17 4.01 74.3
 92.08 63.88 66.7
 5.04
 8704