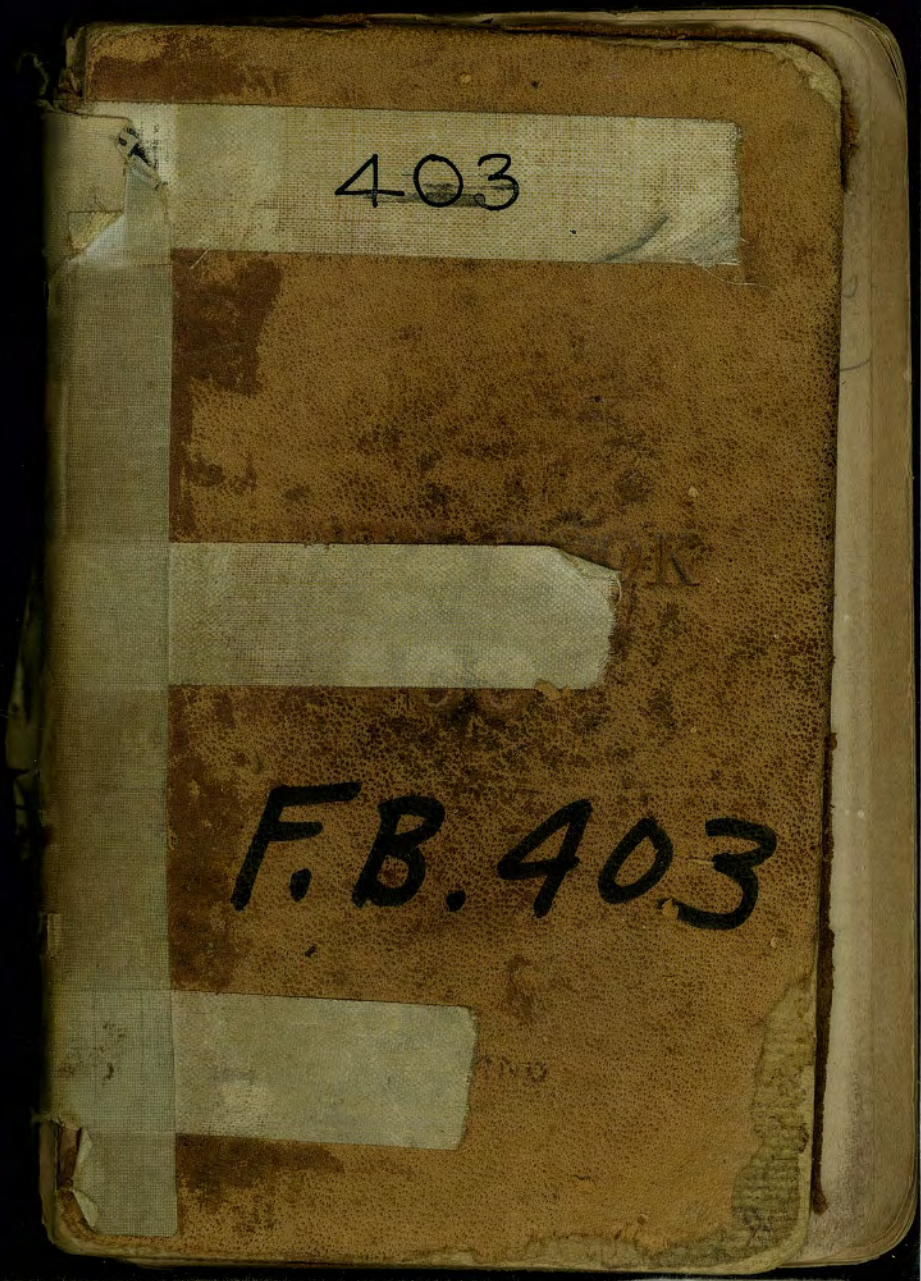
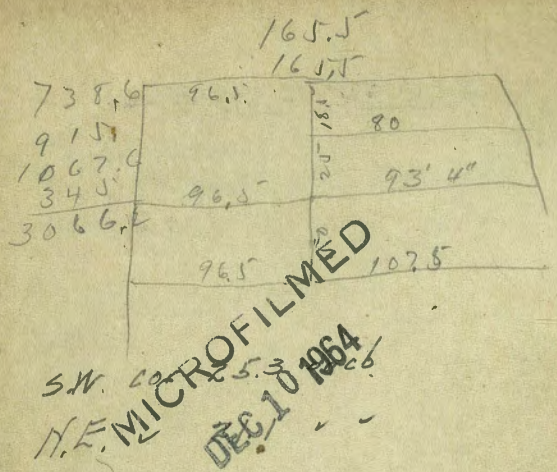

403
F.B.403



MICROFILMED
DEC 10 1964

Torrey Road
E. IVANHOE
105.6 45° 7' perm't. S.E. Cor
23.4 45° Cor. " S.W. Cor

La Jolla Sewer
Bond Issue
July 21, 1908

Shields
Barber
Rogers

N. Line

			H.I.	Rod	Ground
0+00	M.H.	113	30.85	10.0	20.9
+50				9.1	21.8
+91	M.H.	104		7.9	23.0
1+00				7.9	23.0
+50				7.4	23.5
2+00				6.4	24.5
+50				6.0	24.9
3+00				5.1	25.8
+50				5.1	25.8
+84	M.H.	103		5.0	25.9
4+00				4.5	26.4
+50			38.90	11.7	27.2
5+00				9.68	29.22
+50				8.3	30.6
6+00				7.1	31.8
+50				6.2	32.7
7+00				4.4	34.5
+38.6	M.H.	102		1.7	37.2

Use Brook 240 P 24

255-55 for change

TOTTE
E. IVA

403

Grade	Cut
17.0	3.9
17.55	4.3
18.0	5.0
18.12	4.9
18.80	4.7
19.48	5.0
20.16	4.7
20.85	5.0
21.54	4.3
22.0	3.9
22.45	3.9
23.86	3.3
25.27	4.0
26.68	3.9
28.09	3.7
29.50	3.2
30.91	3.6
32.0	5.2

B.M. 23.35 on blk. cor. Near septic tank

5.30 28.65 23.35

17.55 / 11.1 or — 18.60 / 0.6 sh 10.63 — 18.12 — 18.80 — 9.8 sh — 19.48 / 9.17

20.85 / 7.5 or — 21.54 / 7.11 — 22.00 / 6.6 sh — 22.00

11.76 33.30 33.30 7.11 21.54 / 11.76

22.45 / 10.85 — 23.86 / 9.44 — 25.27 / 8.03 — 26.68 / 6.6 — 28.09 / 3.21

24.50 / 3.6 — 30.91 / 2.39 — 32.00 / 1.30 — 8 Davis 5 Dennon 08 Williams

7.3 46

POSTED

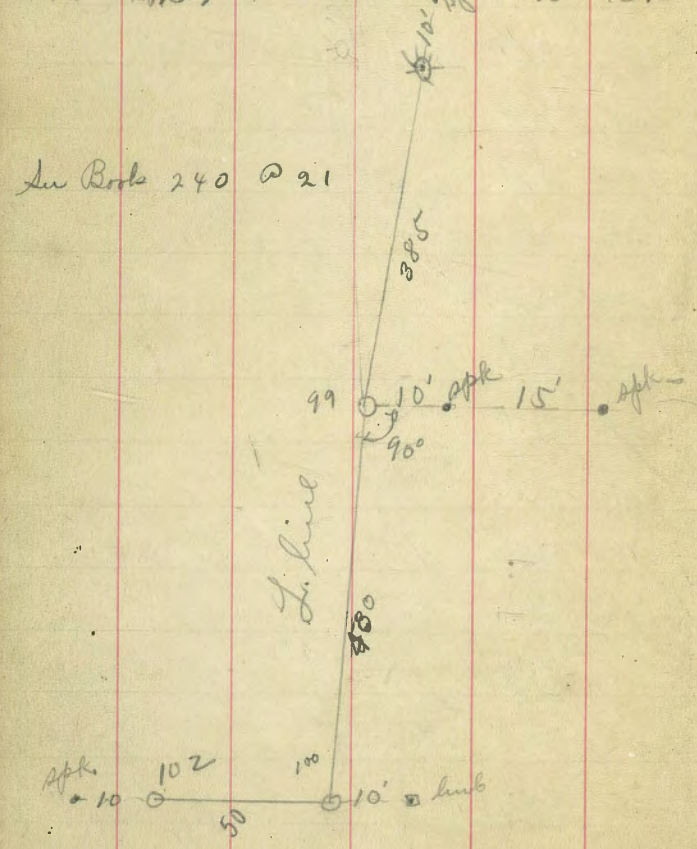
L. line		HI.	Rod	Ground
0+00	N.H. 102	49.40	12.2	37.2
+50	N.H. 100		8.4	41.0
1+00			8.8	40.6
+50			9.1	40.3
2+00			8.7	40.7
+50			9.3	40.1
3+00			8.5	40.9
+50			8.5	40.9
4+00			9.4	40.0
+50			10.0	39.4
5+00			10.0	39.4
+30	N.H. 99	middle	10.1	39.3
+50			10.0	39.4
6+00			9.4	40.0
+50			9.2	40.2
7+00			8.7	40.7
+50			8.3	41.1
8+00			7.6	41.8

Grade	cut				
		11.62	34.97		23.35 BM
32.0	5.2	9.70	44.03	0.64	34.33
33.0	8.0	35.78 / 8.25	32.00 / 12.03	33.0 / 11.03	33.29 / 10.74	33.58 / 10.45	33.87 / 10.16
33.29	7.3	34.16 / 9.87	34.45 / 9.58	34.74 / 9.29	35.03 / 9.00	35.32 / 8.71	35.61 / 8.42
33.58	6.7	11.19	45.52	9.70	34.33
33.87	6.8	35.90 / 9.62	36.19 / 9.33	36.48 / 9.04	36.77 / 8.75
34.16	5.9	37.06 / 8.46	37.35 / 8.17	37.64 / 7.88	37.92 / 7.60
34.45	6.5	35.00 / 7.62	0		
34.74	6.2				
35.03	5.0				
35.32	4.1				
35.61	3.8				
35.78	3.5				
35.90	3.5				
36.19	3.8				
36.48	3.7				
36.77	3.9				
37.06	4.0				
37.35	4.5				

POSTED

L. line cut

		H.I.	Rod	Ground	Grade	cut
8+50		49.40	6.9	42.5	37.64	4.9
9+00			6.1	43.3	37.92	5.4
+15	H.T.	33 E End	5.6	43.8	38.0	5.8



POSTED

J. line

			HI.	Rod	Ground
0+00	M.H	96	~~38.45~~	6.9	31.5
+50				5.1	33.3
1+00				2.6	30.8
+50			49.40	10.97	38.43
2+00				8.0	41.4
+50				4.6	44.8
+87.6	M.H.	97		1.9	47.5
3+00				1.8	47.6
+50			61.91	12.80	49.11
4+00				11.2	50.7
+50				10.0	51.9
5+00				8.7	53.2
+50				7.5	54.4
6+00				6.7	55.2
+50				5.5	56.4
7+00				4.6	57.3
+27.6	M.H.	98		3.7	58.2

Grade	cut
26.0	5.5
✓28.78	4.5
✓31.56	4.2
✓34.34	4.1
✓37.12	4.3
✓39.90	4.9
✓42.0	5.5
✓42.22	5.4
✓43.13	6.0
✓44.04	6.7
✓44.95	7.0
✓45.86	7.3
✓46.77	7.6
✓47.68	7.5
✓48.59	7.8
49.50	7.8
50.0	8.2

43.00 BM. West cor. Coast + Junner mhmb.

36.45 / 3.24 — 31.56 / 8.13 — 37.12 / 2.57 — 37.12 / 14.45 — 42.22 / 9.33 — 44.04 / 7.53

39.69 — 34.34 / 5.35 — 8.57 — 43.13 / 8.44 — 44.91 / 6.62

28.78 / 10.91 — 43.00 / 51.57 ✓ — 39.90 / 11.67

45.86 / 5.71 — 46.77 / 4.80 — 47.68 / 3.89 — 48.59 / 2.98 — 49.50 / 2.67 — 42.0 / 9.57

36.45 / 0.30 / 36.75 ✓ — 62.72 ✓ — 60.0 / 12.72 — 57.2 / 7.8

26.56 / 10.19 — 49.50 / 13.22

TED

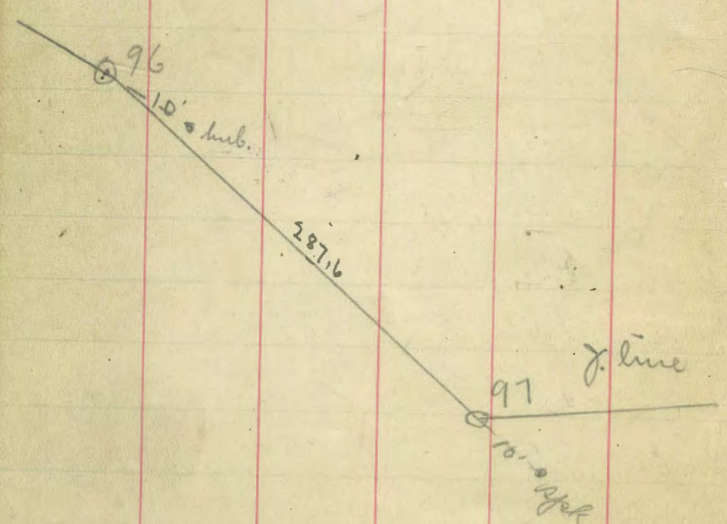
J. line cut

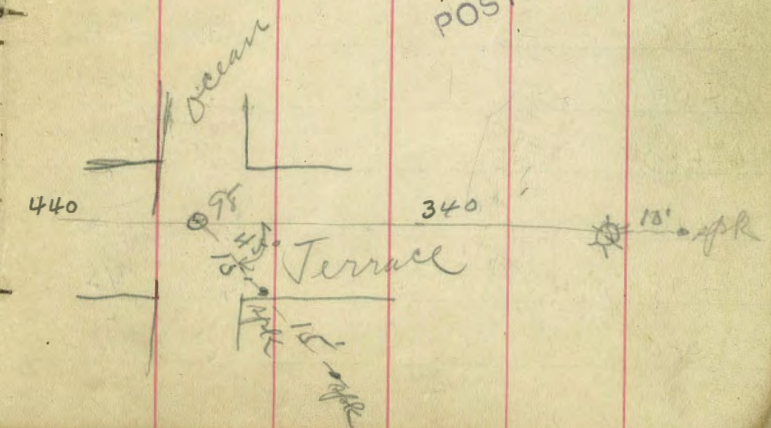
		~~58.88~~	H.I.	Rod	Ground	Grade	cut
7+50			61.91	3.9	58.0	50.20	7.8
8+00				2.6	59.3	50.64	8.7
+50				1.8	60.1	51.08	9.0
9+00				1.4	60.5	51.52	9.0
+50			65.68	5.61	60.07	51.96	8.1
10+00				8.5	57.2	52.40	4.8
+50				8.4	57.3	52.84	4.5
+67.6	F.J.	3Σ		7.9	57.8	53.0	4.8

58.88 B.M. spk pole

Terrace + Girard

58.88 / 3.04 / 61.92	53.0 / 8.92	52.84 / 9.08	52.40 / 9.52
51.96 / 9.96	51.52 / 10.40	52.41 / 10.31 / 62.72	T.P. 51.96 / 10.76
51.52 / 11.20	51.08 / 11.64	50.64 / 12.08	50.20 / 12.52





POSTED

M line cut

			H.I.	Rod.	Ground	Grade	cut
0 +00	M.H.	113	30.85	10.0	20.9	17.0	3.9
+50				9.0	21.9	17.18	4.7
1 +00				6.9	24.0	17.36	6.6
+50				6.1	24.8	17.54	7.3
2 +00			38.45	11.75	26.70	17.72	9.0
+50				9.7	28.8	17.90	10.9
3 +00				9.1	29.4	18.09	11.3
+45	M.H.	96		6.9	31.6	18.25	13.3
+50				7.0	31.5	18.27	13.2
4 +00				6.7	31.8	18.45	13.3
+50				5.8	32.7	18.63	14.1
5 +00				5.4	33.1	18.81	14.3
+50				5.1	33.4	18.99	14.4
6 +00				4.5	34.0	19.18	14.8
+50				4.5	34.0	19.36	14.6
+75	M.H.	95		4.4	34.1	19.45	14.6
7 +00				4.3	34.2	19.54	14.7

TOTTE
E. IVA

BM. 36.45 top cor. post.
Boulevard & Jenner

5.41 28.76 23.35

17.00 / 11.76 — 23.35 / 1.48 / 24.83 ✓
17.18 / 11.58 — 18.25 / 6.58
17.36 / 11.40 — 18.09 / 6.74
17.54 / 11.22 — 17.90 / 6.93
17.72 / 11.04 — 17.72 / 7.11
17.54 / 7.29

36.45 / 2.08 / 38.53 ✓ / 6.52 / 32.01 / 18.45 / 13.56
5.80 / 32.73 / 18.63 / 14.10
5.39 / 33.14 / 18.81 / 14.33
5.03 / 33.50 / 18.99 / 14.57
36.45 / 3.87 / 40.32 ✓ / 6.17 / 34.15 / 19.18 / 14.97
36.45 / 4.20 / 40.65 ✓ / 6.57 / 34.10 / 19.36 / 14.74
6.49 / 34.16 / 19.45 / 14.71
6.07 / 34.58

POSTED

			H.I.	Rod	Ground	Grade	cut
7+50			38.45	4.1	34.4	19.72	14.7
8+00				3.6	34.9	19.90	15.0
+50				3.63	34.82	20.08	14.7
9+00			41.37	6.3	35.1	20.27	14.8
+50				6.1	35.3	20.45	14.9
10+00				6.0	35.4	20.63	14.8
+50				5.6	35.8	20.81	15.0
11+00				4.8	36.6	20.99	15.6
+50				4.3	37.1	21.17	15.9
+75	M.H.	94		3.7	37.7	21.26	16.4
12+00				3.4	38.0	21.35	16.7
+50				2.6	38.8	21.53	17.3
13+00				2.0	39.4	21.71	17.7
+50				2.2	39.2	21.89	17.3
14+00				3.1	38.3	22.07	16.2
+50				4.3	37.1	22.25	14.9
15+00				4.7	36.7	22.44	14.3
+50	M.H.	93		6.0	35.4	22.62	12.8

TOTTEN & E. IVA

POSTED

			H.I.	Rod	Ground	Grade	cut
16+00			41.37	7.73	33.64	✓22.81	10.8
+50			H.I. 33,22	1.0	32.2	✓22.99	9.2
17+00				2.2	31.0	✓23.17	7.8
+50				2.7	30.5	✓23.35	7.2
18+00				3.4	29.8	✓23.54	6.3
+50				4.3	28.9	✓23.72	5.2
19+00				5.4	27.8	✓23.90	3.9
+24	M.H.	92		5.8	27.4	24.0	3.4
+50				5.7	27.5	✓24.24	3.3
20+00				6.2	27.0	✓24.70	2.3
+50				6.1	27.1	✓25.16	2.0
21+00				5.1	28.1	✓25.62	2.5
+50				3.4	29.8	✓26.08	3.7
22+00				2.0	31.2	✓26.54	4.7
+50	M.H.	91		0.56	32.66	✓27.0	5.7

29.21 B.M. Spk pole near batt house

29.21
4.11 ✓
33.32
23.90
9.42

23.72
9.60
23.54
9.78

23.35
9.97
23.17
10.15

24.24
9.08
24.70
8.62
25.16
8.16
25.62
7.70
26.08
7.24

26.54
6.78
24.0
9.32

29.21
10.65 ✓
39.86
27.0
12.86

POSTED

Torrey
E. IVAN

M. line

See Book 240 P 21 24

POSTED

N – Septic tank levels

	H.I.	Rod	Ground	Grade	Cut
Cor A	25.90	5.3	20.6	7.5	13.1
" B		5.1	20.8	7.5	13.3
" C		6.0	19.9	7.5	12.4
" D		6.0	19.9	7.5	12.4

23.35
1.61
24.96
12.49
12.47
.24
12.71
7.5
5.21

Torrey
E. IVAN

"M" line cont.

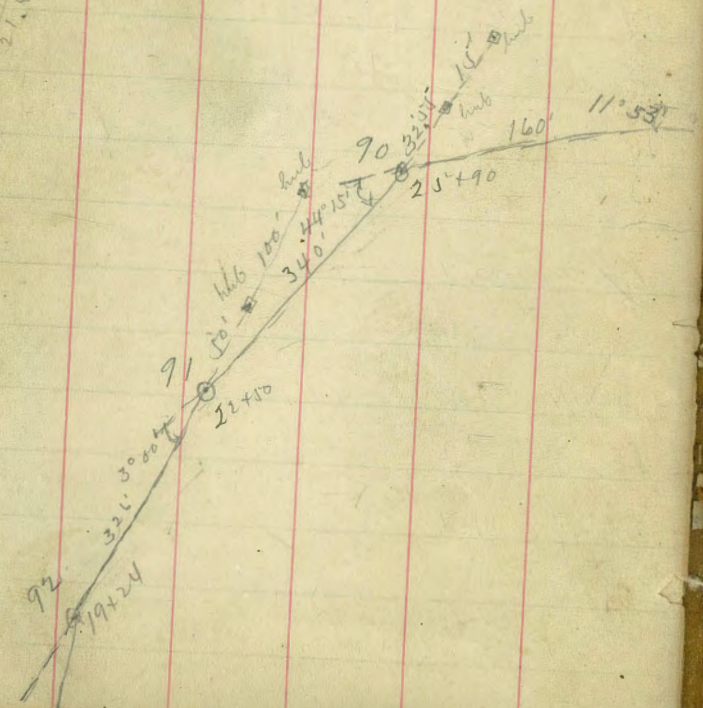
			Rod	Ground	Grade	cut
23+00	~~H.I. 44.73~~	H.I. 44.73	11.2	33.5	28.47	5.0
+50			10.2	34.5	29.94	4.6
24+00			8.8	35.9	31.41	4.5
+50			5.6	39.1	32.88	6.2
25+00			3.8	40.9	34.35	6.6
+50			2.8	41.9	35.82	6.1
+90	M.H. 90		1.8	42.9	37.0	5.9
26+00			0.88	43.85	38.32	5.5
+50		H.I. 55.74	4.9	50.8	44.88	5.9
27+00		H.I. 68.12	10.7	57.4	51.44	6.0
+50	M.H. 89		4.4	63.7	58.0	5.7
28+00			1.69	66.43	59.0	7.4
+50		H.I. 74.42	5.8	68.6	59.99	8.6
29+00			3.7	70.7	60.99	9.7
+41	M.H 88		0.9	73.5	61.81	11.7
+50			1.4	73.0	61.98	11.0
+70	× ~~end trestle~~		10.6	63.8	62.38	1.4
29+71.33	So. End of trestle				62.41	
30+07	no. End " "				63.12	

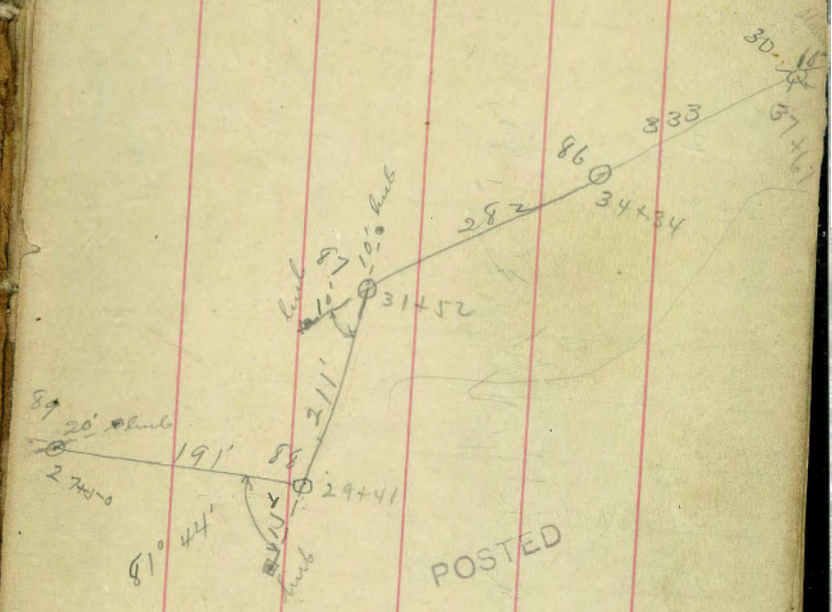
39.86 H.I. 28.47 11.39 — 29.94 9.92 — 31.41 8.45 — 32.88 6.98

34.35 5.51 — 35.82 4.04 — 37.0 2.86 — 0.39 39.47 I.P. 10.52 49.99 37 12.99 — 38.22 11.77 — 196 48.03 I.P. on porch

POSTED

"M" line cont.





POSTED

"M" line cart

				Rod	Ground
30+10	* end trestle		H.I. 74.42	11.89	62.53
30+50			H.I. 74.77	8.2	66.6
31+00				5.7	69.1
+52	M.H.	87		2.75	72.02
32+00			H.I. 84.83	0.69	84.14
+50			H.I. 97.33	5.4	91.9
33+00				5.5	91.8
+50				3.2	94.1
34+00			H.I. 109.83	9.6	100.2
+34	M.H.	86		5.0	104.8
+50				5.1	104.7
35+00				3.78	106.05
+50			H.I. 116.75	4.7	111.48
36+00				1.2	115.0
+50				5.6	110.6
37+00				9.8	106.5
+50				10.30	105.93
+67	F.J.	30		11.0	105.3

Grade	cut
63.17	-0.7
63.97	+2.6
64.97	+4.1
66.0	+6.0
71.44	12.7
77.11	14.8
82.78	9.0
88.45	5.7
94.13	6.1
98.0	6.8
98.17	6.5
98.69	7.4
99.12	12.4
99.55	15.6
99.98	10.6
100.42	6.1
100.85	5.1
101.0	4.3

106.45
6.80
113.26
101.5
11.75

111.49
8.02
119.51
99.12
20.39
7.62
12.77

84.14
13.22
97.36
77.11
20.25
4.46
15.79

98.69
11.72

99.22
11.19

101.32
11.94

100.79
12.47

82.78
14.58
3.34
11.24

106.05
4.36
110.41
98
12.41

84.14
11.50
95.64
2.72
92.92
77.11
15.81

106.45
12.48

13.0
119.45

88.45
8.91

94.13
3.23

98.17
12.24

106.05
12.88
118.93
99.20
19.73
7.02
12.71

6.54
110.60

111.49
117.49

6.72

11.56
105.93
6.72
112.65
101.5
11.15

100.85
11.80

100.42
12.23

99.98
12.67

5.78
116.53
122.31
10.82
111.49
5.65
117.14
10.47
106.67
98.69
7.98

H.I.

101.0
9.8.69
2.67
2.310
2.136
1740
1602
1380
1835

8.65

3.82
115.69
99.55
16.14

37.67
3.45
34.22
36
33.86

POSTED

"G" Line Sections

Sta.		H.I.	Rod	Ground
0+00	M.H. 73	114.50	11.3	103.2
+50			10.6	103.9
1+00			7.6	106.9
+50			7.0	107.5
2+00			6.4	108.1
+50			6.1	108.4
3+00			5.5	109.0
+50			5.5	109.0
4+00			5.5	109.0
+30	M.H. 74		6.0	108.5
+50			6.0	108.5
5+00			6.4	108.1
+50			6.5	108.0
6+00			6.3	108.2
+50			5.8	108.7
7+00	M.H. 75		5.2	109.3

Street

Grade	cut					
			108.64			
			5.25		100.85	101.50 102.15
			13.89 ✓		13.04	12.39 11.74
100.2	3.0		100.52			
			13.89		101.47	101.82
			9.56		12.72	12.07
100.52	3.4	102.47	3.57			
		11.42	102.80	103.0	103.15	103.52
100.85	6.0	103.89	11.09	10.89 X	10.74	10.37
		10.00	104.26	104.63	105.0	
101.17	6.3		9.63	9.26	8.89	
101.50	6.6					
101.82	6.6					
102.15	6.9					
102.47	6.5					
102.80	6.2					
103.0	5.5					
103.15	5.4					
103.52	4.6					
103.89	4.1					
104.26	3.9					
104.63	4.1					
105.0	4.3					

2324

POSTED

"I.I." Line Cont.

Sta			H.I.	Rod	Ground	Grade	Cut
7+50			114.50	4.37	110.13	106.06	4.1
8+00			122.65	11.3	111.4	107.11	4.3
+50				10.0	112.7	108.17	4.5
9+00				8.2	114.5	109.22	5.3
+50				5.1	117.6	110.28	7.3
+84	M.H.	76		2.9	119.8	111.0	8.8
10+00				1.86	120.79	111.57	9.2
+50			133.94	10.9 3.56	123.0	113.35	9.7
11+00				12.5	121.4	115.13	6.3
+50				9.2	124.7	116.91	7.8
12+00				6.3	127.6	118.70	8.9
+50				4.7	129.2	120.48	8.7
13+00				2.3	131.6	122.26	9.3
+50				1.4	132.5	124.05	8.5
14+00				0.5	133.54	125.84	7.7
+32.4	M.H.	77		0.43	133.51	127.0	6.5

12.52 / 122.65
13.15 / 120.79 / 133.94
7.95 / 110.13 / 118.08
108.17 / 9.91
106.06 / 12.02
109.22 / 8.86
110.13 / 13.03 / 123.16 H.I.
125.41
113.35 / 12.06
111.0 / 12.16
113.35 / 9.81
130.13 / 5.10 / 135.23
120.48 / 14.75
130.13 / 0.73 / 130.86
115.13 / 15.73 / 9.70 / 6.03
122.26 / 12.97
124.05 / 11.18
3.32 / 136.86
1.69 / 133.54

J.P.
107.11 / 10.97
110.28 / 12.88
111.57 / 11.59
116.91 / 13.95
118.70 / 12.13
125.84 / 9.39
5.83 / 8.12
0.70 / 130.83
116.91 / 13.92
5.81 / 8.11
127.0 / 8.23

POSTED

J.P.

"I I" cont.

Sta.		H.I.	Rod	Ground	Grade	cut
14+50		146.76	12.1	134.7	127.70	7.0
15+00			8.2	138.6	129.69	8.9
+50			5.0	141.8	131.67	10.1
16+00			3.1	143.7	133.66	10.0
+50			2.7	144.17	135.65	8.5
17+00			3.7	143.1	137.63	5.5
+50			3.0	143.8	139.62	4.2
18+00	F.T.		-0.5	147.3	141.61	5.7
18+09.8			-1.1	147.9	142.0	5.9

377.4 / 15.000 / 15.096 (4.0

136.86 ✓ 133.57
127.70 / 9.16 — 13.25 / 146.76
129.69 / 7.17 — 131.67 / 5.19
133.54 / 12.87 ✓ 146.41 — 135.65 / 10.76
133.66 / 12.75
~~135.65~~ 144.17
3.19
139.62 / 7.74 — 147.36 ✓
137.63 / 9.73
141.61 / 5.75 — 142.0 / 5.36

17.6 / .4 / .704

9.8 / .392

2.24 / 144.17

J.P.

POSTED

"K" Line Cave St.

Sta			H.I.		Ground	Grade	cut
0+00	M.H.	74	119.60	11.1	108.5	103.0	5.5
+50				10.4	109.2	103.83	5.4
1+00				9.5	110.1	104.67	5.4
+50				8.8	110.8	105.50	5.3
2+00				8.1	111.5	106.34	5.2
+50				6.7	112.9	107.17	5.7
3+00	M.H.	78		6.0	113.6	108.0	5.6
+50				4.0	115.6	108.2	7.4
4+00				2.9	116.7	108.4	8.3
+50				2.2	117.4	108.6	8.8
5+00				2.1	117.5	108.8	8.7
+50	F.J.	26		3.9	115.7	109.0	6.7

Torre
E. IVA

POSTED

10.96 108.64 B.M.

20' West of M.H. 74 on hub.

108.0
7.72

108.64
7.08
115.72
103.83
11.89

116.10
5.64
121.74
101.2
54

108.8
12.13

116.10
5.08
121.18
108.6
12.58

104.67
11.05

105.5
10.22
4.83
116.10
120.93
108.2
12.73

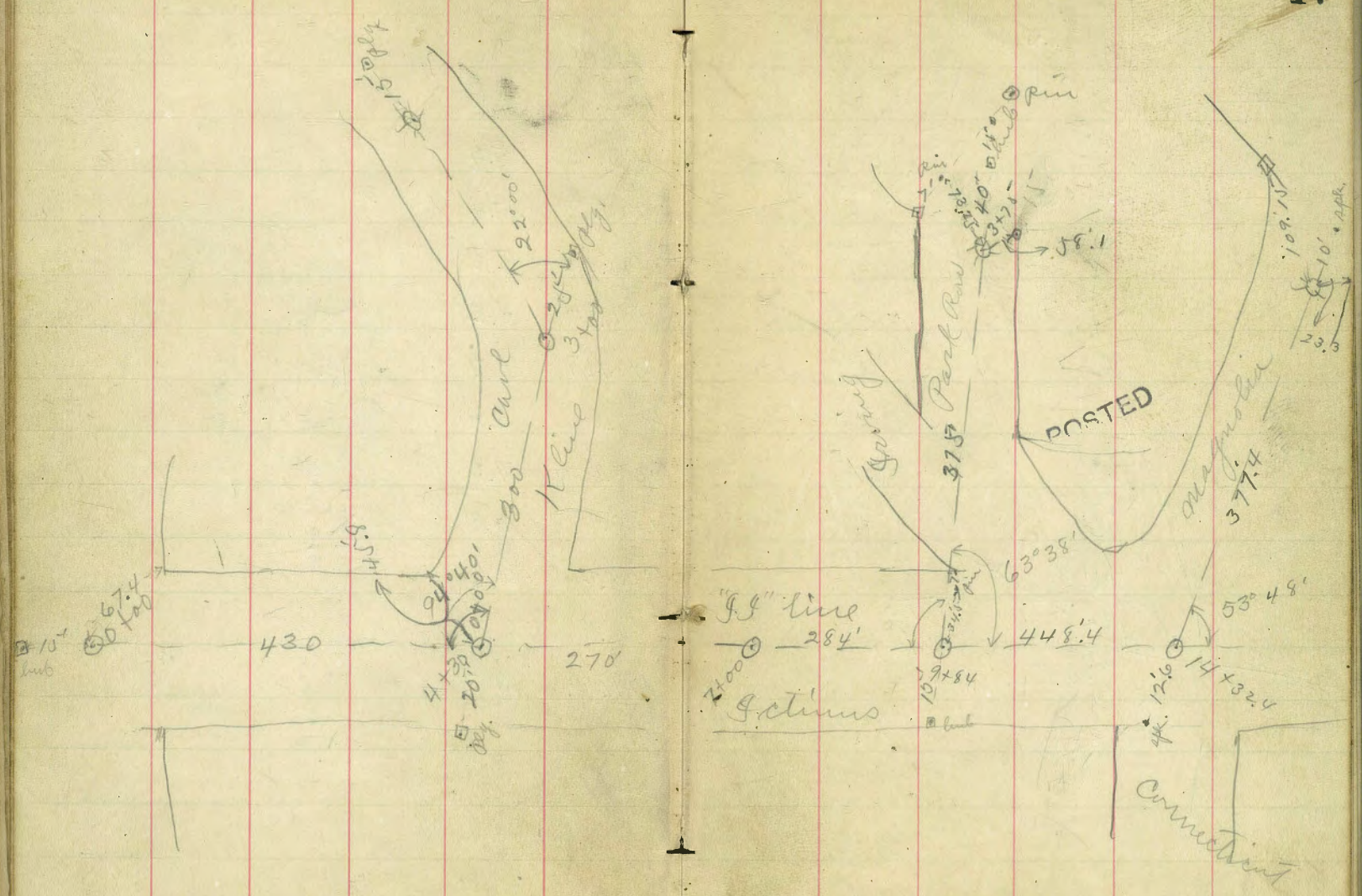
106.34
9.38

107.17
8.55

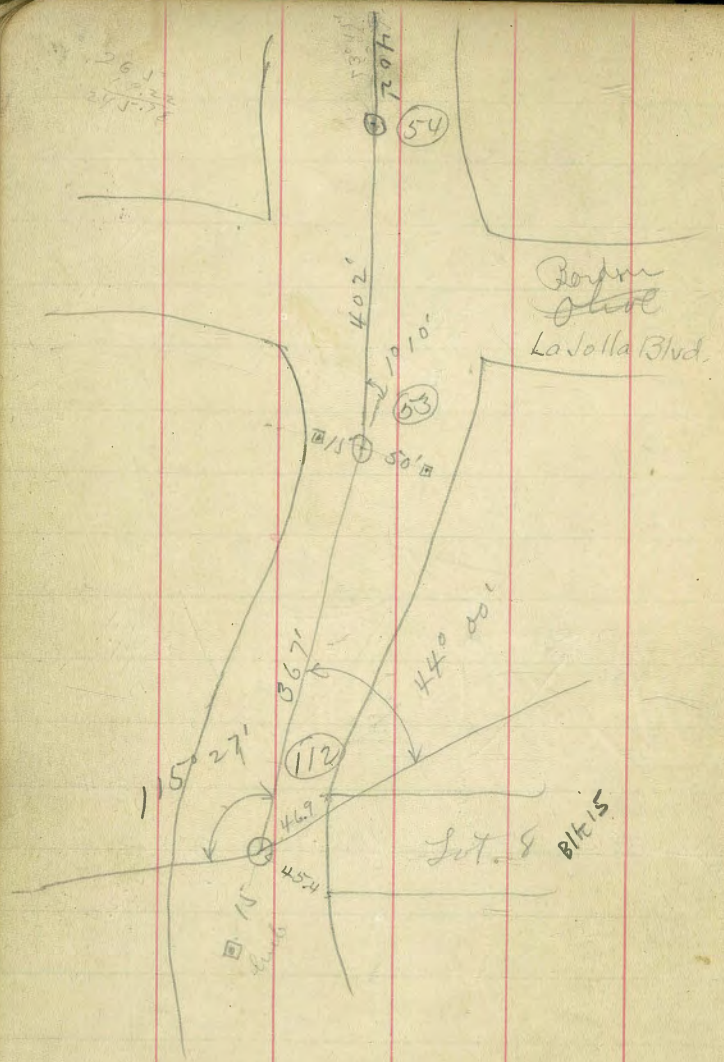
108.4
12.53

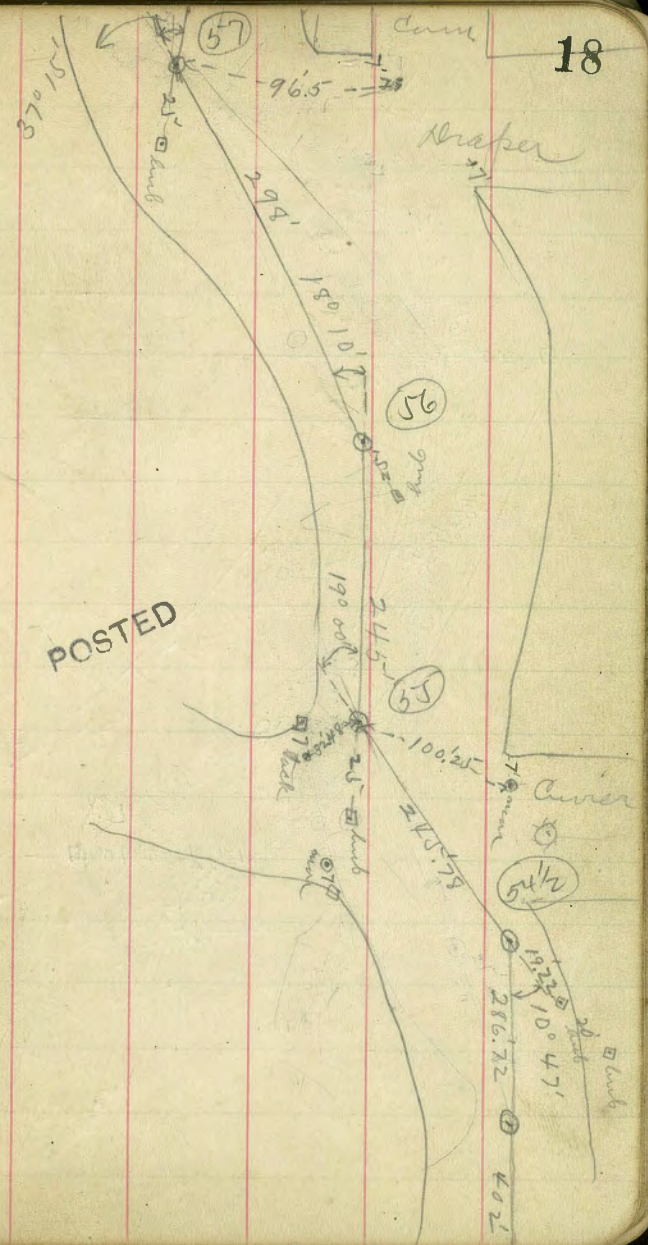
109.0
11.93

POSTED

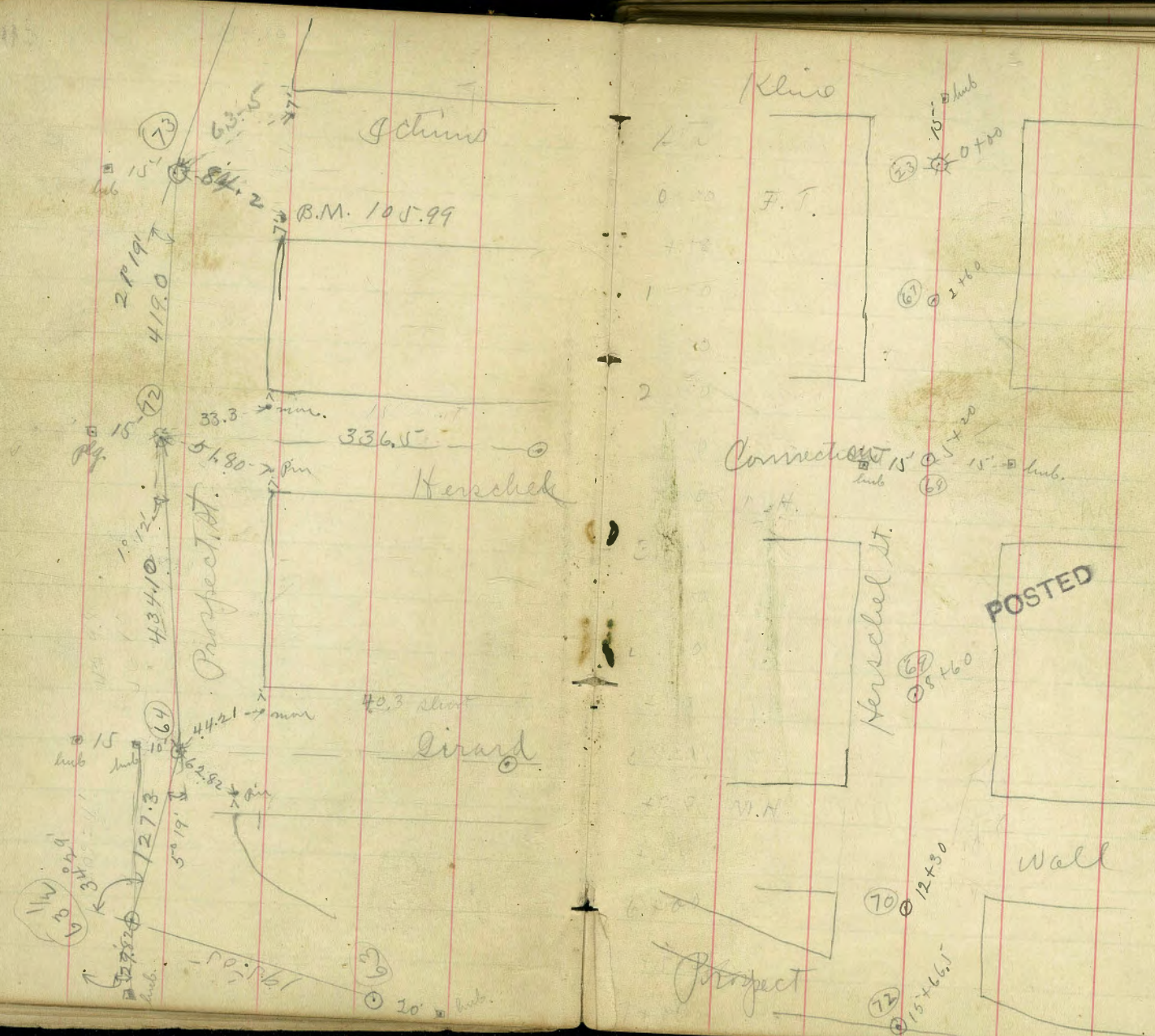


430
270'
300 Curl
K line
22°00'
94°40'
67.4
"I.I" line
284'
448.4
63°38'
53°48'
POSTED
Park Row
Magnolia
377.4
58.1
109.15
23.3
Connecticut


54
402'
53
50'
La Jolla Blvd.
367'
44° 00'
115° 27'
112
46.9
45.4
Lot 8
Blk 15


57
96.5
Draper
298'
180° 10'
56
POSTED
190° 00'
245
55
100.25
Cuvier
245.78
54½
286.72
10° 47'
402'

63
61
60
59
57½
57
Fay
Prospect Street
Eads.
Draper
Curve
Prospect
Street
Exchange
Street
79
78½
73
80
POSTED


Ichinus
B.M. 105.99
419.0
336.5
Herschel
Prospect St.
434.10
Girard
127.3
Klinc
F.T.
Connection
Herschel St.
POSTED
Wall
Prospect

"H" Line / Kerachel St.

Sta			H.I.	Rod	Ground
0+00	F.J.	23	119.05	3.8	115.3
+50				4.1	115.0
1+00				4.4	114.7
+50				4.7	114.4
2+00				4.9	114.2
+50				5.0	114.1
+60	M.H.	67		4.9	114.2
3+00				5.0	114.1
+50				5.2	113.9
4+00				5.5	113.6
+50				5.9	113.2
5+00				6.2	112.9
+20	M.H.	68	117.96	4.9	113.1
+50				5.2	112.8
6+00				5.2	112.8
+50				5.0	113.0
7+00				4.9	113.1

Grade	Cut
✓109.0	6.3
✓108.81	6.2
✓108.62	6.1
✓108.43	6.0
✓108.23	6.0
✓108.04	6.1
✓108.0	6.2
✓107.85	6.3
✓107.66	6.2
✓107.47	6.1
✓107.27	5.9
✓107.08	5.8
107.0	6.1
✓106.82	6.0
✓106.52	6.3
✓106.23	6.8
✓105.93	7.2

113.03 B.M. S. cr. Kerachel & cmm. spk. in tree.

4.83 / 113.03 / 117.86 ✓ / 106.82 / 11.04 — 106.52 / 11.34 — 105.93 / 11.93 — 106.23 / 11.63

113.03 / 5.37 / 118.40 H.I. — 107.27 / 11.13 ✓ — 107.66 / 10.74 ✓ — 108.04 / 10.36

107.08 / 11.32 — 107.47 / 10.93 ✓ — 107.85 / 10.55 ✓ — 108.23 / 10.17 ✓

113.03 / 5.73 / 118.76 ✓ / 108.81 / 9.95 ✓ — 109.0 / 9.76 — 108.0 / 10.40 ✓ — 108.43 / 9.97 ✓ — 108.62 / 9.78 ✓

POSTED

Sta.			H.I.	Rod	Ground	Grade	Cut
7+50			117.96	5.9	112.1	105.64	6.5
8+00				7.8	110.2	105.35	4.9
+50			109.94	1.39	108.55	105.06	3.5
+60	M.H.	69		1.7	108.2	105.0	3.2
9+00				2.5	107.4	104.44	3.0
+50				3.1	106.8	103.78	3.1
10+00				3.6	106.3	103.07	3.3
+50				4.2	105.7	102.31	3.4
11+00				4.6	105.3	101.60	3.7
+50				5.0	104.9	100.89	4.0
12+00				4.9	105.0	100.19	4.8
+30	M.H.	70		5.0	104.9	99.77	5.1
+50				5.0	104.9	99.48	5.4
13+00				5.0	104.9	98.77	6.1
+50				5.3	104.6	98.06	6.5
14+00				5.7	104.2	97.35	6.9
+50				6.4	103.5	96.64	6.9

109.39
96.64 / 12.75 — 97.35 / 12.04 — 98.04 / 11.33
98.77 / 10.62 — 99.48 / 9.91 — 99.77 / 9.62
100.19 / 9.20 — 100.89 / 8.50 — 101.60 / 7.79 — J.P.
102.31 / 7.08 — 103.02 / 6.37 — 103.73 / 5.66 — 104.44 / 4.95
117.86
105.64 / 12.22 — 105.35 / 12.51 — 105.06 / 12.80 — 105.0 / 12.86

POSTED

17.30 − 2.20 = 7.10

"H.H" line

Sta			H.I.	Rod	Ground
15+00			103.42	0.92	102.50
+50				3.6	99.8
+66.5	M.H.	72	Cr. Herschel	4.4	99.0

Grade	cut
✓95.94	6.6
✓95.23	4.6
✓95.0	4.0

102.50
6.89
109.39 ✓
95.23
14.16
9.40
4.70

95.94
13.45
6.66
6.79

J.P.

POSTED

"P" line — Prospect
sect. 2

Sta			H.I.	Rod	Ground
0+00	M.H.	63	96.75	5.7	91.1
+50				6.1	90.7
1+00				5.0	91.8
+50				4.3	92.5
2+95.05	M.H.	63½	99.81	7.2	92.6
2+00				7.2	92.6
+50				6.6	93.2
3+00				6.1	93.7
+22.35	M.H.	64		5.8	94.0
+50				5.6	94.2
4+00				5.1	94.7
+50				4.7	95.1
5+00				4.2	95.6
+50				3.8	96.0
6+00				3.2	96.6
+50				2.3	97.5
7+00				1.7	98.1

Street nov. 17/08 {Childs, Barber, Rogers}

Grade	Cut
85.02	6.1
85.32	5.4
85.63	6.2
85.94	6.6
86.22	6.4
86.25	6.4
86.56	6.6
86.86	6.8
87.0	7.0
87.51	6.7
88.43	6.3
89.35	5.8
90.27	5.3
91.20	4.8
92.12	4.5
93.04	4.5
93.96	4.1

95.09
1.66
96.75

95.09
4.20
99.29

B.M. 87.91
11.38

86.86
12.43

93.96
5.33

86.22
12.77

2.28
95.09
97.37
86.22
11.15

87.0
12.29

87.51
11.78

89.35
9.94

92.12
7.17

95.09
3.90
98.99 H.I.

86.25
12.74

90.27
9.02

91.20
8.09

93.04
6.25

88.43
10.56

86.62
12.37

86.86
12.13

96.65
85.02
11.63

85.32
11.33

85.63
11.02

85.94
10.71

POSTED

			HI.	Root	Ground
7+50			99.81	0.9	98.9
+56.45	M.H.	72	103.42	4.4	99.0
	ctr. Herschel				
8+00				3.2	100.2
+50				2.5	100.9
9+00				1.9	101.5
+50				1.0	102.4
10+00				0.1	103.3
+50				0.0	103.4
11+00				0.2	103.2
+50				0.4	103.0
+75.45	M.H.	73		0.2	103.2
	ctr. 9 chains				
12+00			108.94	5.5	103.4
+50				5.1	103.8
13+00				4.7	104.2
+50				4.3	104.6
14+00				4.0	104.9
+50				3.7	105.2
+96.45	M.H.	78½		3.5	105.4

TOTTEN
E. IVAN

Grade	cut
94.88	4.0
95.0	4.0
95.55	4.7
96.17	4.7
96.79	4.7
97.41	5.0
98.03	5.3
98.65	4.8
99.27	3.9
99.89	3.1
100.2	3.0
100.35	3.1
100.66	3.1
100.97	3.2
101.28	3.3
101.59	3.2
101.90	3.3
102.20	3.2

99.29 / 94.88 / 4.41

105.99 / 2.16 / 108.15 / 96.79 / 11.36

95.0 / 4.39

96.17 / 3.12

98.61 / 9.50

99.27 / 8.88

98.03 / 10.12

97.41 / 10.74

99.89 / 8.26

100.2 / 7.95

105.99 / 4.03 / 110.02 HI. / 100.35 / 9.67

100.66 / 9.36

100.97 / 9.05

101.28 / 8.74

101.59 / 8.43

105.99 / 4 / 109.99 HI. / 101.40 / 8.09

102.20 / 7.79

POSTED

P. line cut.

Sta.			H.I.	Rod	Ground	Grade	cut
15+00			108.94	3.4	105.5	102.22	3.3
+50				2.2	106.7	102.53	4.2
16+00				1.5	107.4	102.84	4.6
+50				1.0	107.9	103.15	4.8
17+00				1.0	107.9	103.46	4.5
+04.45	M.H.	79		0.9	108.0	103.5	4.5
+50			121.80	12.5	109.3	104.14	5.2
18+00				11.4	110.4	104.85	5.6
+50				10.8	111.0	105.56	5.4
19+00				10.1	111.7	106.26	5.4
+50				9.1	112.7	106.97	5.7
20+00				7.7	114.1	107.67	6.4
+23	M.H.	80		7.6	114.2	108.0	6.2
+50			120.59	5.8	114.8	108.96	5.8
21+00				4.8	115.8	110.73	5.1
+50			129.80	12.2	117.6	112.51	5.1
22+00				10.0	119.8	114.28	5.5
+50				8.2	121.6	116.06	5.5

109.99 H.I.
102.22 / 7.77 — 102.53 / 7.46 — 102.84 / 7.15
103.15 / 6.84 — 103.46 / 6.53 — 103.5 / 6.49
116.53 / 0.17 / 116.70 — 104.14 / 12.36 — 104.85 / 11.85
105.56 / 11.14 — 106.97 / 9.73
116.53 / 2.58 / 119.11 — H.I. 3.18 / 116.53 / 119.71 — 110.73 / 8.98 — 112.51 / 7.20
106.26 / 12.85 — 108.96 / 10.75 — 114.28 / 5.43 — 116.53 / 1.60 / 118.13 H.I.
116.53 / 11.36 / 127.89 H.I. — 2.70 — 108.0 / 10.13 — 109.39 / 8.74
116.06 / 11.83

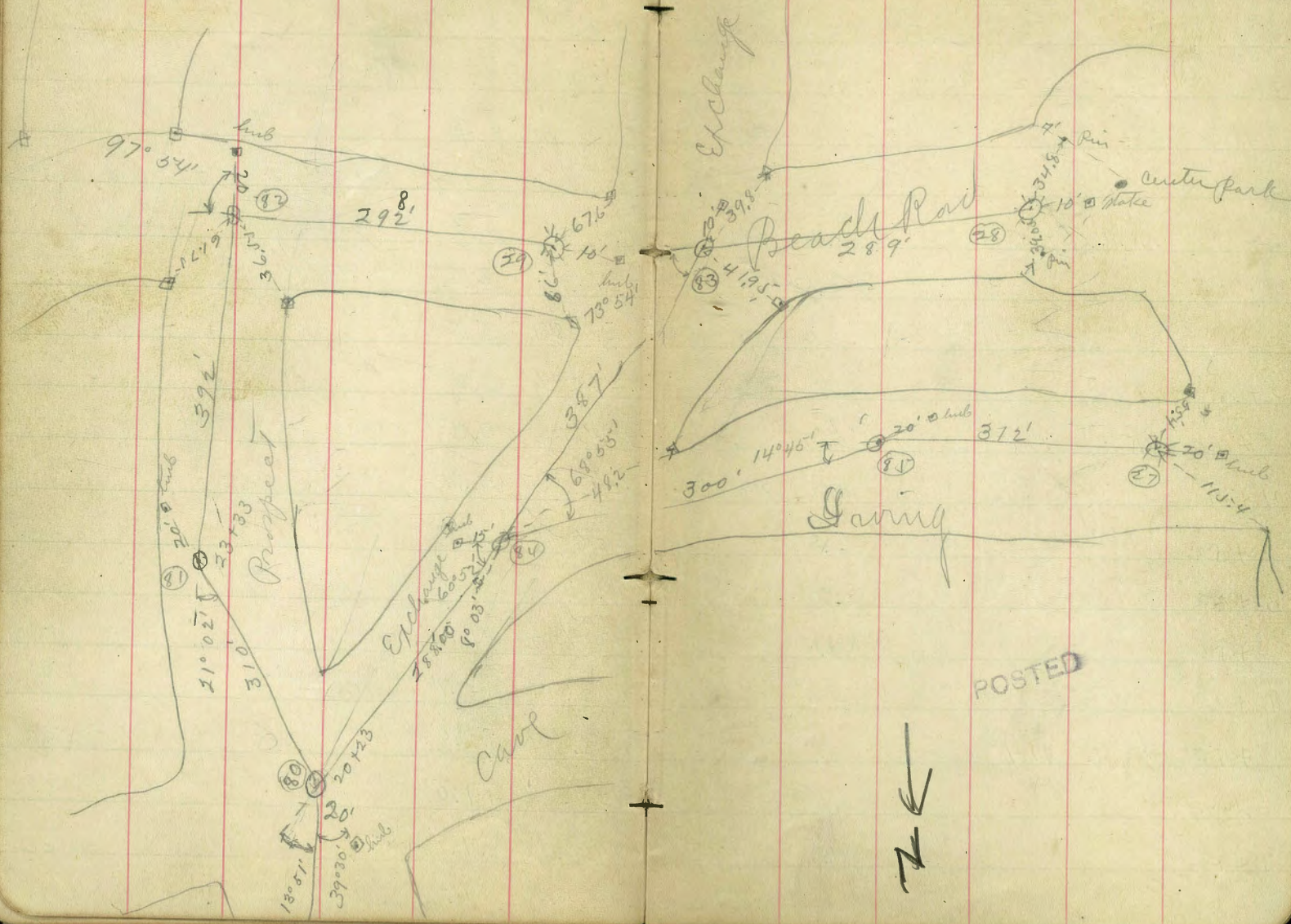
POSTED

Totte
E. IVA

"P" line

			H.I.	Rod	Ground	Grade	Cut
23+00			129.80	6.3	123.5	117.83	5.7
+33	M.H.	81		4.9	124.9	119.0	5.9
+50				4.2	125.6	119.30	6.3
24+00				2.7	127.10	120.19	6.9
+50				2.4	127.4	121.08	6.3
25+00				1.6	128.2	121.97	6.2
+50				1.1	128.7	122.87	5.8
26+00				1.0	128.8	123.76	5.0
+50				0.7	129.1	124.65	4.5
27+00				0.3	129.5	125.55	4.0
+25	M.H.	82		-0.2	130.0	126.0	4.0
+50			142.60	13.3	129.3	127.34	2.0
28+00				1.47	141.13	130.02	11.1
+50			137.14	6.7	145.4	132.71	12.7
29+00				3.9	148.2	135.39	12.8
+50				3.0	149.1	138.08	11.0
30+00				3.5	148.6	140.76	7.8
+23	J.J.	29		3.9	148.2	142.0	6.2

POSTED



97° 54'
hub
292' 8'
82
29
67.6
10'
hub
73° 54'
392'
387'
68° 55'
48.2
Prospect
Exchange
Cave
81
20' hub
23+33
21° 02'
310'
84
15'
20+23
80
20'
13° 51'
39° 30'
hub
Exchange
Beach Row
289'
28
83
41.95
39.8
34.8
10'
stake
Center Park
Pin
300'
14° 45'
20' hub
372'
85
27
20' hub
115.4
Dwing
POSTED
N

"GG" line Girard St.

Sta.			H.I.	Rod	Ground	Grade	cut
0+00	F.I.	22	111.14	3.3	107.8	103.75	4.0
+50				2.5	108.6	103.50	5.1
1+00				1.9	109.2	103.25	6.0
+50	M.H.	116		1.5	109.6	103.0	6.6
2+00				2.5	108.6	102.75	5.9
+50				3.6	107.5	102.50	5.0
3+00				4.7	106.4	102.25	4.2
+50	M.H.	115		5.6	105.5	102.0	3.5
4+00				5.1	106.0	101.76	4.2
+50			111.61	5.3	106.3	101.52	4.8
5+00				5.0	106.6	101.28	5.3
+50				4.4	107.2	101.05	6.2
6+00				4.0	107.6	100.81	6.8
+40	M.H.	114		4.1	107.5	100.62	6.9
+50				4.0	107.6	100.57	7.0
7+00				4.3	107.3	100.33	7.0
+50				4.5	107.1	100.10	7.0

POSTED

107.70 / 3.91 / 111.61 — 107.76 / 0.50 / 108.20 — 104.02 / 7.12 / 111.14

11.58 — 104.02 / 6.99 / 111.01 — 100.33 / 10.68 — 100.10 / 10.91 — 100.57 / 10.44

100.62 / 10.39 — 100.81 / 10.20 — 101.03 / 9.96

101.28 / 9.73 — 101.52 / 9.49 — 101.76 / 9.25

102.0 / 9.01 — 102.25 / 8.76 — 102.50 / 8.51

102.75 / 8.26 — 103.0 / 8.01 — 103.25 / 7.76 — 103.50 / 7.51

103.75 / 7.26

Sta		G G fine	H.I.	Rod	Ground	Grade	cut
8+00			111.61	4.8	106.8	99.86	6.9
+50				5.1	106.5	99.62	6.9
9+00				5.7	105.9	99.38	6.5
+50				6.3	105.3	99.14	6.2
+70	M.H.	66		5.8	105.8	99.04	6.8
10+00			108.20	2.4	105.8	98.90	6.9
+50				2.9	105.3	98.67	6.6
11+00				3.1	105.1	98.43	6.7
+50				3.2	105.0	98.19	6.8
12+00				3.2	105.0	97.95	7.1
+50				3.3	104.9	97.72	7.2
13+00				3.5	104.7	97.48	7.2
+50				3.9	104.3	97.24	7.1
14+00	M.H.	65		4.6	103.6	97.0	6.6
+50				5.7	102.5	95.70	6.8
15+00				7.1	101.1	94.41	6.7
+50				8.3	99.9	93.11	6.8
16+00				9.5	98.7	91.81	6.9

102.12 / 91.81 / 10.31 — 93.11 / 9.01 — 94.41 / 7.71

107.70 / 108.70 / 95.70 / 13.00 — 107.70 / 0.87 / 108.57 / 97.0 / 11.57 — 97.24 / 11.33 — 97.48 / 11.09

97.72 / 10.85 — 97.95 / 10.62 — 98.19 / 10.38 — 98.43 / 10.14

98.67 / 9.90 — 98.90 / 9.67 — 99.04 / 9.53 — 99.14 / 9.42* — 99.38 / 9.19

107.70 / 2.98 / 110.68 — 99.86 / 10.82 — 99.62 / 11.06

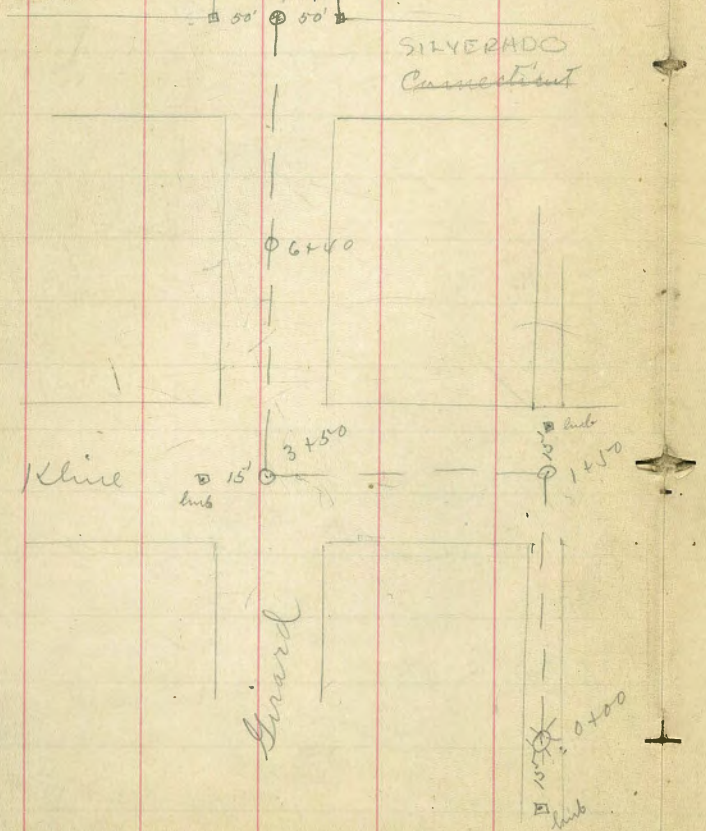
POSTED

"G G" line cut

Sta			H.I.	Rod	Ground	Grade	cut
16+50			108.20	10.8	97.4	90.51	6.9
17+00				12.3	95.9	89.21	6.7
+50			100.13	5.6	94.5	87.91	6.6
+85.2	M.H.	64	9+70	6.1	94.0	87.0	7.0

95.09 / 7.03 / 102.12 / 89.21 / 12.91

90.51 / 11.61



POSTED

"X" line Exchange & Beach Row.

4.65 B.M. 142.72 West cor.

Sta.			H.I.	Rod	Ground	Grade	Cut
0+00	M.H.	80	121.80	7.6	114.2	108.0	6.2
+50				5.9	115.4	109.39	6.0
1+00				4.2	117.0	110.78	6.2
+50				3.2	118.6	112.17	6.4
2+00				1.9	119.9	113.56	6.3
+50				0.07	121.73	114.94	6.8
2+88	M.H.	84	125.53	2.8	122.7	116.0	6.7
3+00			136.91	13.3	123.6	116.74	6.9
+50				11.6	125.3	119.84	5.5
4+00				9.4	127.5	122.94	4.6
+50				6.7	130.2	126.05	4.2
5+00				3.6	133.3	129.15	4.2
+50			147.37	10.3	137.1	132.25	4.9
6+00				7.7	139.7	135.35	4.4
+50				4.8	142.6	138.45	4.2
+75	M.H.	83		2.8	144.6	140.0	4.6

Beach Row & Exchange

116.53 / 6.28 / 122.81 — 112.17 / 10.64 — 113.56 / 9.25 — 114.94 / 7.87

110.78 / 12.03 — 116.0 / 6.81 — 12.06 / 116.10 / 128.16 — 4.37 / 147.09

0.04 / 142.76 — 0.15 / 142.87 — 116.74 / 11.42 — 116.74 / 20.35

140.0 / 2.76 — 140 / 2.87 — 119.84 / 17.25 — 138.45 / 4.42 — 135.35 / 7.52

132.25 / 10.62 — 129.15 — 13.02 / 129.85 T.P. — 126.05 / 6.80

3.0 / 132.85 — 129.15 / 3.70 — 122.94 / 9.91

119.84 / 13.01

POSTED

"X" line cont. —

Sta.			H.I.	Rod	Ground	Grade	cut
7+00			155.70	10.8	144.9	140.78	4.1
+50				8.8	146.9	142.34	4.6
8+00				5.3	150.4	143.89	6.5
+50				4.3	151.4	145.40	6.0
9+00				3.0	152.7	147.00	5.7
+50.				1.4	154.3	148.56	5.7
+64	F.I.	2.8		0.9	154.8	149.0	5.8

3.11

142.72 B.M.
10.72
153.44
140.78
12.66
153.03
6.31
159.34
149.
10.34

142.34
11.10
145.45
7.99
148.56
10.78
147.0
12.34

143.89
9.53

POSTED

"U" line - Grinnell place

Sta			H.I.	Rod	Grnd
0+00	M.H.	84	129.15	6.5	122.7
+50				6.1	123.1
1+00				5.7	123.5
+50				5.1	124.1
2+00				4.6	124.6
+50				3.9	125.3
3+00	M.H	85		2.1	127.1
+50				2.2	127.0
4+00				2.0	127.2
+50				1.5	127.7
5+00				2.2	127.0
+50				2.4	126.8
6+00				3.7	125.5
+12	F.J.	27		3.9	125.3

Grade	cut
116.0	6.7
116.25	6.9
116.49	7.0
116.74	7.4
116.98	7.6
117.23	8.1
117.47	9.6
117.72	9.3
117.96	9.2
118.21	9.0
118.45	8.6
118.70	8.1
118.94	6.6
119.0	6.3

128.16 KC
116.25 / 11.91
116.49 / 11.67
116.74 / 11.42
116.98 / 11.18
117.23 / 10.93
117.47 / 10.69
116.98 / 11.19
127.29
117.72 / 9.57
130.13 B.M.
0.11
130.24
117.96 / 12.28
B.M. 117.72 / 12.52
118.21 / 12.03
118.45 / 11.79
118.70 / 11.54
118.94 / 11.30
11.90 / 11.24

POSTED

Oct. 14/08

"V" line Park Road

Sta.			H.I.	Rod	Grade
0+00	M.H.	76	132.23	12.4	119.8
+50				8.9	123.3
1+00				5.6	126.6
+50				0.23	132.00
2+00			145.20	6.4	138.8
+50			153.15	7.1	146.0
3+00				3.4	149.7
+50				0.12	153.03
+75	H.I.				153.6
4+00			155.55	1.6	154.0
+15	H.I.	25		1.2	154.4

B.M. 130.13

Grade	cut
111.0	8.8
115.70	7.6
120.40	6.2
125.10	6.9
129.80	9.0
134.50	11.5
139.20	10.5
143.90	9.1
146.25	7.3
148.60	5.4
150.0	4.4

123.16 ✓ 115.70 ✓ 7.46 ✓ 130.13 4.26 ✓ 134.39 ✓ 125.10 9.29 ✓ 153.03 3.55 ✓ 156.58 ✓ 143.90 12.68 ✓ 146.25 10.33 ✓ 4.70 2.35

115.70 9.71 ✓ 123.41 ✓ 120.40 5.01 ✓ 125.10 0.31 ✓ 139.20 10.45 .19 10.26 ✓

153.03 6.75 ✓ 159.78 ✓ 2.92 ✓ 162.86 ✓ 11.58 ✓ 130.13 ✓ 141.71 ✓ 129.80 ✓ 11.91 ✓ 0.75 ✓ 140.96 ✓ 8.69 ✓ 149.65 ✓ 134.50 ✓ 15.15 ✓ 2.86 ✓ 12.29 ✓

J.P.

POSTED

"P" line sect 1 — Prospect St. — Nov. 2 1908 — Childs, Barber, Rogers

Sta.			H.I.	Rod	Ground	Grade	cut
0+00	M.H.	110	16.02	10.2	5.8	3.0	2.8
+50				2.3	13.7	4.42	9.3
1+00				1.44	14.58	5.84	8.8
+50				3.9	12.1	7.26	4.8
2+00			25.76	13.2	12.6	8.68	3.9
+50				10.3	15.5	10.10	5.4
+64	M.H.	111		9.0	16.8	10.5	6.3
3+00				8.6	17.2	12.79	4.4
+50				6.4	19.4	15.97	3.4
4+00			35.50	11.26	24.24	19.15	5.1
+50				6.4	29.1	22.33	6.8
5+00				3.8	31.7	25.52	6.2
+50			48.22	11.0	37.2	28.70	8.5
6+00				10.0	38.2	31.88	6.3
+17.5	M.H.	112		9.9	38.3	33.0	5.3
+50				7.5	40.7	35.48	5.2
7+00				4.3	43.9	39.29	4.6

14.58
9.06
23.64
10.5
13.14
12.79
10.85
15.97
7.67
19.15
4.49
0.7
22.94 T.P.
12.29
35.23 H.I.
22.33
12.90
41.45
8.74
50.19
36.98
13.21
41.45
7.21
48.66 H.I.
35.48
13.18

26 / 7.50 / 5.28 / 2.22 / 2.12 / 1.080 / 1.056 / 2.84

48.22
6.77
41.45
13.08
35.14 T.P.
.36
35.50
1.52

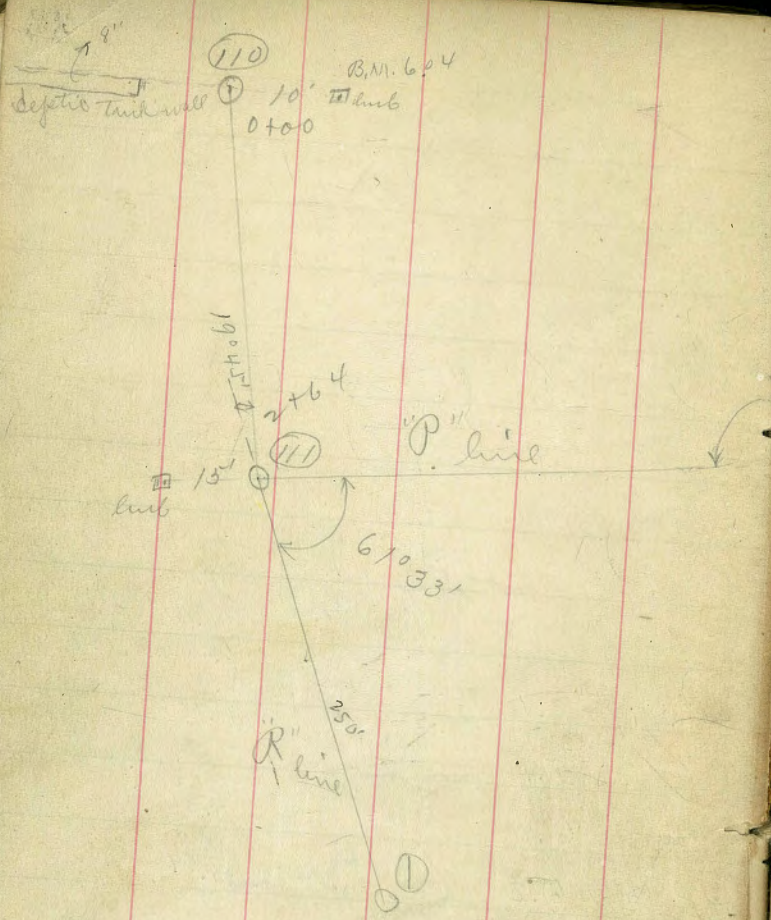
25.52
9.71
28.70
6.53
31.88
3.35
33.0
2.23

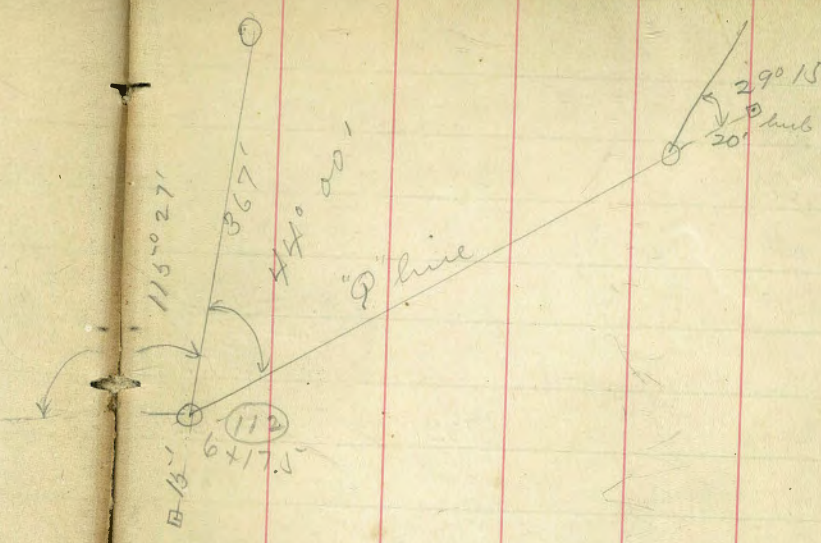
35.57
14.62
39.52
10.67
39.29
9.37

41.45
5.04
46.49
35.57
10.92
6.04 B.M.
5.69
11.73
3.0
8.73
4.42
7.31
5.84
5.89
7.26
4.47
8.68
3.05
10.10
1.63

2.84
2.84
1.136
2.84
3.976
17.3
11.8 at 50 sta.
7.5 on R line
41.45 T.P.
50' on Q line
+4.5 cut
41.45
7.49
48.94 H.I.
35.48
13.46
39.29

POSTED


8"
Septic Tank wall
110
B.M. 6.04
10'
lmb
0+00
19°45'
2+64
111
"P" line
15'
lmb
61°33'
250'
"R" line
1


29°15'
lmb
20'
115°27'
367'
44°00'
"Q" line
112
6+17.5
15'

POSTED

7+00

"P" line

Nov. 5/08 { Childs, Barber, Rogers

Sta.			H.I.	Rod	Ground	Grade	out
7+50			61.45	13.27	48.18	43.11	5.1
8+00				8.8	52.7	46.92	5.8
+50				4.9	56.6	50.74	5.9
9+00				1.6	59.9	54.55	5.3
+50			73.31	10.4	62.9	58.37	4.5
+84.5	M.H.	53		8.8	64.5	61.0	3.5
10+00				8.4	64.9	61.13	3.8
+50				7.0	66.3	61.56	5.7
11+00				5.7	67.6	61.99	5.6
+50				4.9	68.4	62.42	6.0
12+00				4.9	68.4	62.84	5.6
+50				4.4	68.9	63.27	5.6
13+00				3.7	69.6	63.70	5.9
+50				3.3	70.0	64.13	5.9
+86.5	M.H.	54		3.0	70.3	64.44	5.9
14+00				3.0	70.3	64.55	5.8

50.19 H.I.
43.47 / 6.72 — 47.42 / 2.77
48.66 H.I.
43.11 / 5.55 — 46.92 / 1.74
48.18
12.28 / 60.46 — 54.55 / 5.91
50.74 / 9.72 — 58.37 / 2.09
69.25
3.95
73.20 — 61.13 / 12.07
61.0 / 12.20
61.56 / 11.64 — 62.42 / 10.78
61.99 / 11.21 — 62.84 / 10.36
63.70 / 9.50 — 63.27 / 9.93
64.13 / 9.07 — 69.25
7
76.25 H.I.
64.44 / 11.81 — 64.55 / 11.70

367 / 29000 / 8.90
2589
3310
3303
6700
0
632.5
6.79
2926
2275
25675
3.95
34.5
79
3105
2415
27255
1.61
3.70
28
367 / 28000 / 7.63
2569 / 32.5
2310 / 3815
2202 / 1526
1080
2289
2479.75
3.81

POSTED

"P" line

Sta.			H.I.	Rod	Grnd
14+50			73.31	2.7	70.6
15+00				2.1	71.2
+50				1.7	71.6
16+00				1.1	72.2
+50				0.3	73.0
+73.22	M.H.	54½		0.0	73.3
17+00			85.18	11.5	73.7
+50				11.4	73.8
18+00				10.9	74.3
+50				10.6	74.6
19+00				10.8	74.4
+19	M.H.	54		10.6	74.6
+50				10.0	75.2
20+00				9.2	76.0
+50				8.5	76.7
21+00				7.8	77.4

Grade	cut
64.98	5.6
65.41	5.8
65.84	5.8
66.26	5.9
66.69	6.3
66.90	6.4
67.24	6.5
67.87	5.9
68.58	5.8
69.13	5.5
69.76	4.6
70.0	4.6
70.46	4.7
71.20	4.8
71.93	4.8
72.67	4.7

POSTED

"P" line

Nov. 9/08. { Childs, Barber, Rogers

Sta.			H.I.	Rod	Ground	Grade	Cut
21+50			85.18	6.0	79.2	✓73.40	5.8
+64	M.H.	56		5.2	80.0	✓73.60	6.4
22+00				4.8	80.4	✓74.14	6.3
+50				3.9	81.3	✓74.87	6.4
23+00				3.3	81.9	✓75.61	6.3
+50				2.7	82.5	✓76.35	6.2
24+00				2.4	82.8	✓77.09	5.7
+50				2.7	82.5	✓77.82	4.7
+62	M.H.	57		2.7	82.5	✓78.00	4.5
25+00			90.67	7.3	83.4	✓78.40	5.0
+50				6.4	84.3	✓78.92	5.4
26+00				6.1	84.6	✓79.44	5.2
+50				5.6	85.1	✓79.96	5.1
27+00				4.9	85.8	✓80.48	5.3
+08	M.H.	57½		4.7	86.0	✓80.56	5.4
+50				5.6	85.1	✓81.00	4.1

73.98
11.11
85.09✓

73.40
11.69✓

384 / 4000 (1.04
384 38
1600 832
1536 312
.3952

84.26 B.M. - Con.
3.65
2.49
86.75✓

.08 28

75.61 74.87 74.14
11.14 11.88 12.61✓

73.60
13.15✓

76.35 77.09 77.82 78.0
10.40✓ 9.66✓ 8.93✓ 8.75✓

84.26
6.34
90.60✓

78.92
11.68✓

79.96 80.48 80.56
10.64✓ 10.12✓ 10.04✓

78.40
12.20✓

79.44
11.16✓

81.0
9.60✓

POSTED

'P' line

Nov. 10/08 { Childs 87.91 / Barber 2.76 / Rogers 90.67

Sta			H.I.	Rod	Ground	Grade	cut
28+00			96.32	11.3	85.0	✓81.52	3.5
+46	M.H.	59	Tabs	10.5	85.8	✓82.00	3.8
+50				10.6	85.7	✓82.02	3.7
29+00				9.8	86.5	✓82.22	4.3
+50				8.9	87.4	✓82.42	5.0
30+00				8.6	87.7	✓82.62	5.1
+50				8.5	87.8	✓82.82	5.0
31+00				8.8	87.5	✓83.02	4.5
+21.35	M.H.	60		8.8	87.5	✓83.11	4.4
+50			93.83	6.0	87.8	✓83.22	4.6
32+00				4.8	89.0	✓83.42	5.6
+50				4.6	89.2	✓83.62	5.6
33+00				4.0	89.8	✓83.82	6.0
+47.35	M.H.	61	Fog	4.5	89.3	✓84.00	5.3
+50				[illegible]	[illegible]	✓84.02	
34+00				4.1	89.7	✓84.32	5.4

90.60 H.I.
81.52 / 9.08 ✓
82.0 / 8.60 ✓
82.02 / 8.58
87.91 B.M.
5.92 / 93.83 ✓ H.I.
87.91
5.14 / 93.05 H.I.
82.62 / 10.43 ✓
83.02 / 10.03 ✓
82.22 / 10.83 ✓
82.42 / 10.63 ✓
82.82 / 10.23 ✓
83.22 / 9.83 ✓
83.42 / 9.63 ✓
83.62 / 9.43 ✓
83.11 / 9.94
83.82 / 9.23
92.95
2.27
95.22 ✓
84.32 / 10.90 ✓
84.00 / 11.22

501.35 / 200000 (.39624
150405
495950
451215
4473.50

1.04
46
416
4784

.0160

47.3
.004
.1892

21.3
.004
.0852

POSTED

"P" line

Nov. 16/08 — Childs, Barber, Rogers

Sta.			Hts.	Rod	Ground	Grade	cut
34+50			93.83	4.1	89.7	✓84.63	5.1
35+00				3.2	90.6	✓84.94	5.7
+13.55	M.H.	63		2.7	91.1	✓85.02	6.1

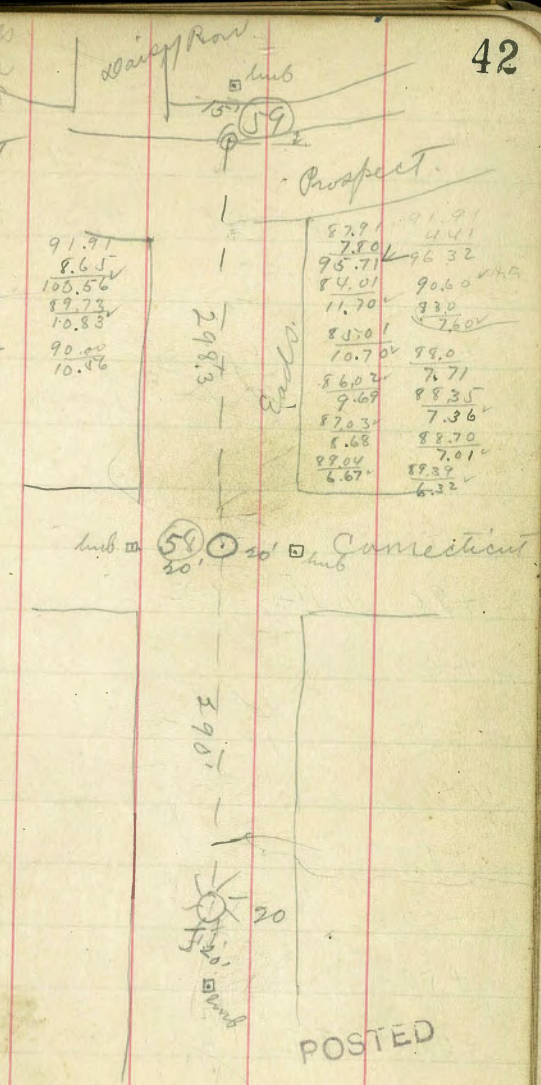
96.12 H.I.
84.63
11.49
84.94
11.18

95.09 B.M.
1.56
96.65
85.02
11.63

POSTED

"E E" line Eads Street. Nov. 11/08 Childs, Barber, Rogers

Sta.	M.H.	59	H.I.	Rod	Ground	Grade	cut
0+00	M.H.	59	96.32	10.5	85.8	✓82.00	3.8
+50				9.0	87.3	✓83.00	4.3
1+00				8.1	88.2	✓84.01	4.2
+50				6.7	89.6	✓85.01	4.6
2+00				5.4	90.9	✓86.02	4.9
+50				4.4	91.9	✓87.03	4.9
+98.3	M.H.	58		3.3	93.0	✓88.00	5.0
3+00				-		✓88.01	
+50				2.2	94.1	✓88.35	5.8
4+00				1.6	94.7	✓88.70	6.0
+50				0.5	95.8	✓89.04	6.8
5+00				0.3	96.0	✓89.39	6.6
+50				0.0	96.3	✓89.73	6.6
+88.3	M.H.	20		-0.2	96.5	✓90.00	6.5



POSTED

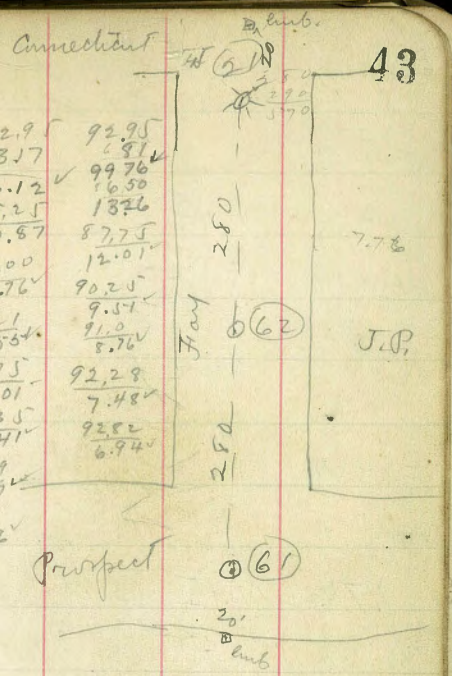
"FFF" line Fay Street Nov. 16/08 {Childs, Barber, Rogers

Sta.			H.I.	Rod	Ground	Grade	Cut
0+00	M.H.	61	93.83	4.5	89.3	✓84.00	5.3
+50				2.1	91.7	✓85.25	6.5
1+00				0.88	92.95	✓86.50	6.5
+50			100.71	6.9	93.8	✓87.75	6.1
2+00				5.6	95.1	✓89.00	6.1
+50				4.7	96.0	✓90.25	5.8
+80	M.H.	62		4.0	96.7	✓91.0	5.7
3+00				3.6	97.1	✓91.21	5.9
+50				3.0	97.7	✓91.75	6.0
4+00				2.2	98.5	✓92.28	6.2
+50				1.7	99.0	✓92.82	6.2
5+00				1.5	99.2	✓93.35	5.9
+50				1.2	99.5	✓93.89	5.6
+60	F.J.	21		1.3	99.4	✓94.0	5.4

Connecticut

92.95 / 3.17 / 96.12 / 85.25 / 10.87 / 89.00 / 10.76 / 91.21 / 8.55 / 91.75 / 8.01 / 93.35 / 6.41 / 93.89 / 5.87 / 94.0 / 5.76

92.95 / 6.81 / 99.76 / 86.50 / 13.26 / 87.75 / 12.01 / 90.25 / 9.51 / 91.0 / 8.76 / 92.28 / 7.48 / 92.82 / 6.94



POSTED

Q line North of Ravina

(30) 29015 Nov. 18/08 {Childs Barber Rogers. 44

Sta.			H.I.	Rod	Ground	Grade	Cut
0+00	M.H.	112	54.46	13.01	[illegible]	33.00	5.3
+50				13.01	41.45	36.98	4.5
1+00				8.7	45.8	40.95	4.9
+50			66.86	10.5	56.4	44.93	11.5
2+00				7.6	59.22	48.90	10.4
+50				6.6	60.3	52.88	7.4
+76.60	M.H.	52		6.6	60.3	55.00	5.3
3+00				5.5	61.4	55.18	6.2
+50				4.8	62.1	55.57	6.5
4+00				4.8	62.1	55.97	6.1
+50				7.3	59.6	56.36	3.2
5+00				4.2	62.7	56.75	6.0
+30.5	M.H.	51		4.8	62.1	57.00	5.1
+50				5.3	61.6	57.40	4.2
6+00				9.5	57.4	58.43	-1.0
+50				4.0	62.9	59.46	3.4

13.13
41.45
54.58
40.95
13.63
44.93
8.91
52.88
8.74
55.0
6.62
59.22
7.94
67.16
55.18
11.98
57.40
9.76
59.46
7.70

56.36
10.80
56.75
10.41
57.00
10.16
58.43
8.73

41.45
12.39
53.84
40.95
12.89
0.22
53.62
8.0
61.62
48.90
12.72
2.40
59.22
55.57
11.59
55.97
11.19

J.P.

J.P.

POSTED

℄ line — cut.

Sta.			H.I.	Rod	Grade	Grade	cut
7+00			66.86	3.5	63.4	✓60.50	2.9
+50				3.9	63.0	✓61.53	1.5
8+00				1.36	65.55	✓62.56	2.9
+50			75.89	6.2	69.7	✓63.60	6.1
+68.9	M.H.	49		2.0	73.9	✓64.00	9.9
9+00			77.37	10.7	66.6	✓64.35	2.3
+50		1059.9 / 868.9 / 191.0		12.2	65.1	✓64.92	0.2
10+00				11.5	65.8	✓65.49	0.3
+50				8.2	69.1	✓66.07	3.0
+69.9	M.H.	48		8.2	69.1	✓66.18	2.9
11+00				6.0	71.3	✓66.64	4.7
11+50		1305 / 1059.9 / 245.1		5.65	71.72	✓67.21	4.5
12+00			81.50	6.7	74.8	✓67.79	7.0
+50				4.9	76.6	✓68.36	8.2
13+00				5.6	75.9	✓68.94	7.0
+05	M.H.	46		6.3	75.2	✓69.00	6.2
				Curve			0.75

NW. 19/08 Hildreth Barber Rogers

67.16✓ 60.50 6.66✓ 75.10 2.10 77.29✓ 61.53 5.63✓ 64.35 12.94 62.56 4.60✓ 64.92 12.37 63.60 3.56✓ 65.49 11.80 66.07 11.22✓ 66.18 11.11 66.64 10.65 67.21 10.08 67.79 9.50 68.36 8.93

79.21 1.93 81.14✓ 69.00 12.14✓

191 245.1 436.1 .344 54 1114 89 1026 1026 1129.6

5000 1.14 4361 311 6899.4 4363.2 2029.0

79.21 2.22 81.43✓ 68.36 13.07

75.19 T.P. cop. of battle

J.P. J.P.

POSTED

Q line cont.

Sta.			H.I.	Rod	Ground
+26.83	end of trestle		80.69	12.3	68.4
13+50					
+86.50	end of trestle			10.9	69.8
14+00				6.7	74.0
+50				5.0	75.7
15+00				8.3	72.4
+50				5.5	75.2
16+00				5.4	75.3
+50				3.31	77.38
+84.2	M.H.	45		1.4	79.3
17+00			87.63	7.3	80.3
+50				4.47	83.16
18+00				2.7	84.9
+50				1.4	86.2
19+00				0.04	87.59
+50			92.33	4.0	88.3
20+00				5.7	86.6
+50				6.3	86.0
+74.9	M.H.	43		6.2	86.1

Nov. 25/08

Grades for Centerbents of trestle: 69.44 – 9½, 69.60 – 8.0, 69.76 – 9½, 69.92 – 5½

Childs, Barber, Rogers

Grade	Cut
69.29	-0.9
70.08	-0.3
70.25	3.8
70.91	4.8
71.57	0.8
72.23	3.0
72.89	2.4
73.55	3.8
74.00	5.3
74.36	5.9
75.51	7.7
76.66	8.2
77.81	8.4
78.97	8.6
80.12	8.2
81.27	5.3
82.42	3.6
83.00	3.1

379.2 / 5000 (1.32
3792
12080
11376
7040
.660

69.22

411
70.08
70.19
69.92

21,837
1,32
4366
6549
2183
288156

59.67
1.32
11934
17901
5967
787644

79.21
2.92
82.13
71.57
10.56
72.23
9.90
72.89
9.24
73.55
8.58

81.14
70.25
10.89
70.91
10.23

3907 / 9000 (2.30
7814
11860
11721
1390

15.8
2.3
474
316
3634

T.P.

24.9
2.3
747
498
5727

1.22
4
488
.3366

77.38
6.45
83.83
74.0
9.83
74.36
9.47

79.21
0.53
79.74
69.29
10.45
70.08
9.66

83.16
5.62
88.78
75.51
13.27
76.66
12.12
81.27
7.51

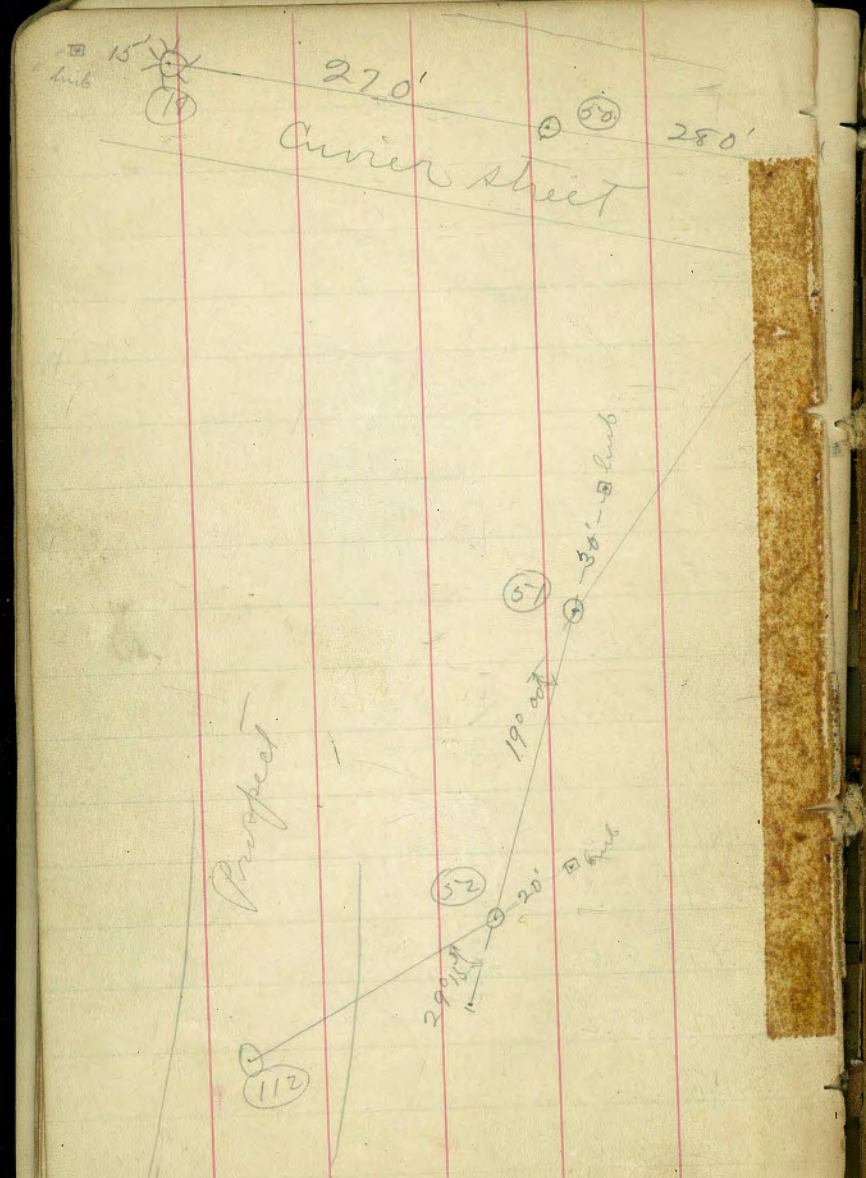
10.43

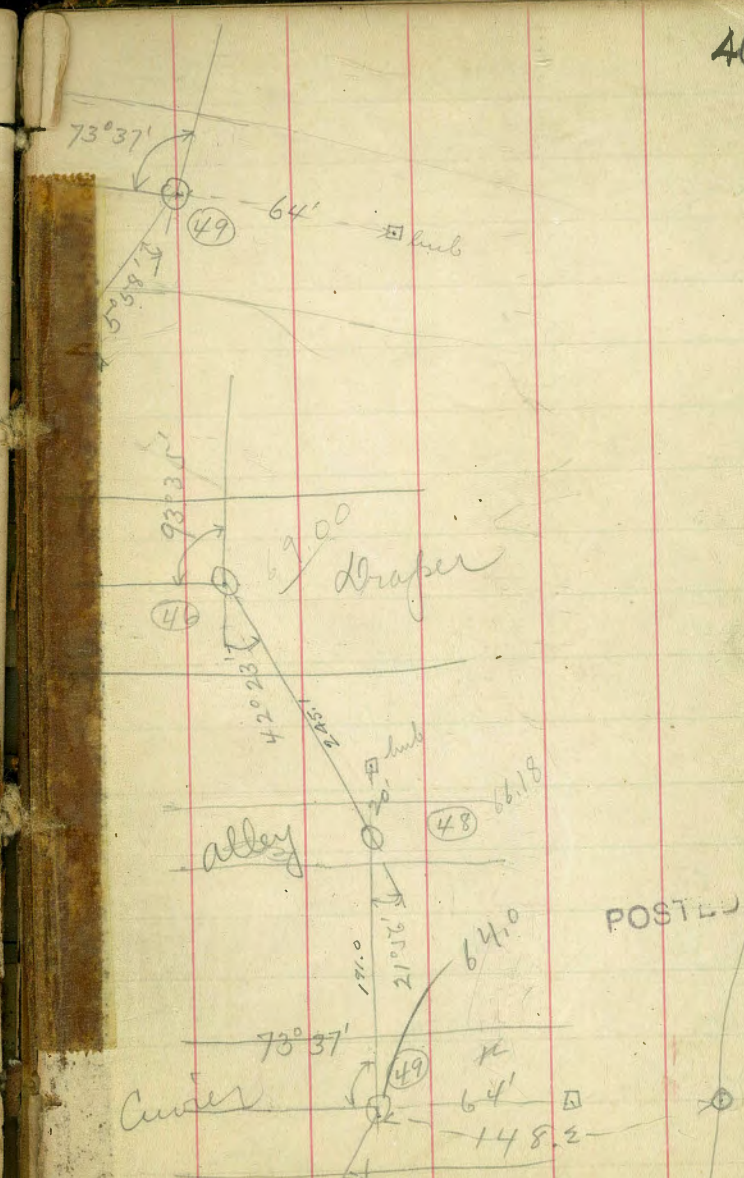
77.81
10.97
80.12
8.66
82.42
6.36

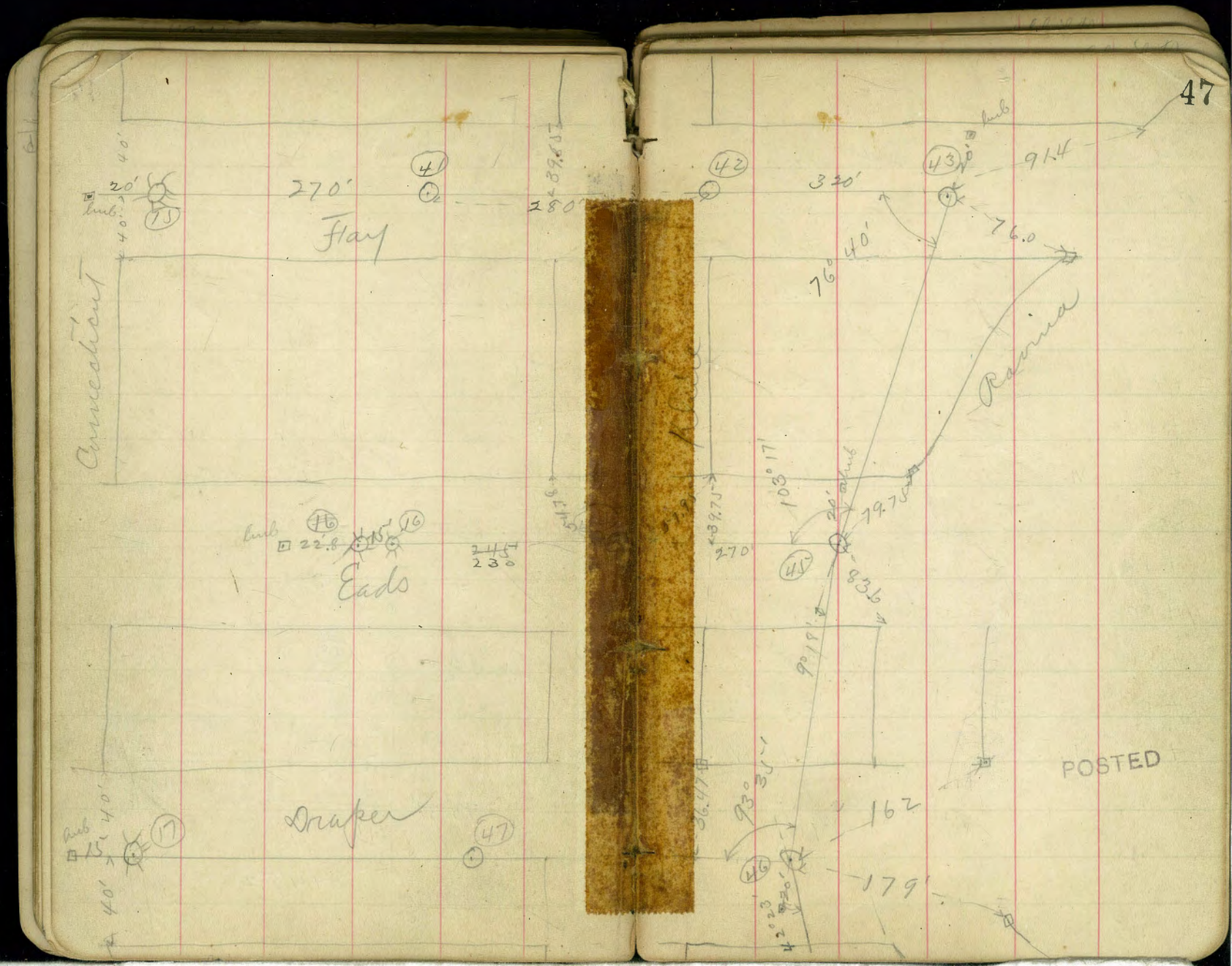
78.97
9.81

T.P.

POSTED


15'
hub
19
270'
50
280'
Cuvier street
30'
hub
51
19°00'
Prospect
52
20'
hub
29°15'
112


73°37'
49
64'
hub
5°58'
93°35'
69.00
Draper
46
42°23'
245'
hub
20'
48
66.18
alley
191.0
21°56'
64.0
73°37'
49
Cuvier
64'
148.2
POSTED


Connecticut
Flay
Eads
Draper
Ravina
270'
280'
320'
91.4
76.0
76° 40'
103° 17'
79.75
83.6
162
179'
POSTED

"C C" line (Cuvier Street)

Sta			H.I.	Rod	Ground
0+00					
+50			77.37	2.7	74.6
1+00				2.8	74.5
+50				2.5	74.8
2+00				2.2	75.1
+50				1.7	75.6
+80	M.H.	50		1.7	75.6
3+00				1.7	75.6
+50				2.0	75.3
4+00				2.1	75.2
+50				2.5	74.8
5+00				2.3	75.0
+50	F.F.	18		2.1	75.2

Grade	Cut
64.00	9.9
64.53	10.1
65.07	9.4
65.60	9.2
66.14	9.0
66.68	8.9
67.00	8.6
67.11	8.5
67.39	7.9
67.67	7.5
67.95	6.9
68.23	6.8
68.50	6.7

Nov. 20/08 — Shields, Barbee, Rogers

75.19	75.19	
4.17	1.96	64.53
79.36	77.09	12.56
66.14	64.53	65.07
13.22	13.09	12.02
66.68	65.60	
12.68	11.49	
67.0	75.193	
12.36	5.19	676.7
67.11	80.38	12.71
12.25	67.39	67.95
79.36	12.99	12.43
5.38	68.23	68.50
73.98	11.13	1086

POSTED

"200" line Draper Street

Sta			H.I.	Rod	Grade	Cut
0+00	M.H.	46	80.69	5.5	75.2	69.00	6.2
+50			91.57	12.36	79.21	70.11	9.1
1+00				8.5	83.1	71.22	11.9
+50				7.3	84.3	72.33	12.0
2+00				6.3	86.3	73.44	11.9
+50				5.4	86.2	74.55	11.7
3+00				4.8	86.8	75.66	11.1
+50				4.4	87.2	76.77	10.4
+60	M.H.	47		4.4	87.2	77.00	10.2
4+00				4.3	87.3	77.22	10.1
+50				5.0	86.6	77.50	9.1
5+00				5.6	86.0	77.77	8.2
+50				6.2	85.4	78.04	7.4
6+00				6.0	85.6	78.32	7.3
+50				6.3	85.3	78.60	6.7
7+00				6.7	84.9	78.87	6.0
+25	F.S.	17		6.6	85.0	79.00	6.0

Nov. 25/08

POSTED

"EE" line Eads. Street

Nov. 27/08 { Childs Barbe Rogers

Stn.			H.I.	Rod	Ground	Grade	cut
0+00	M.H.	45	97.63	8.3	79.3	√74.00	5.3
+50				7.6	80.0	√76.22	3.8
1+00				4.5	83.1	√78.44	4.7
+50				2.6	85.0	√80.66	4.3
2+00			98.61	11.1	87.5	√82.89	4.6
+50				9.3	89.3	√85.11	4.2
+70	M.H.	44		8.5	90.1	√86.00	4.1
3+00				7.4	91.2	√86.49	4.7
+50				5.4	93.2	√87.31	5.9
4+00				4.0	94.6	√88.12	6.5
+50				2.6	96.0	√88.84	7.1
5+00	F.S.	16		2.0	96.6	√89.75	6.9
		16					

POSTED

"FF" line Fay Street

Nov. 28/08

Schilds
Barber
Rogers

Sta.			H.I.	Rod	Ground	Grade	Cut
0+00	M.H.	43	95.34	9.2	86.1	√83.00	3.1
+50				6.4	88.9	√84.17	4.7
1+00				3.6	91.7	√85.34	6.4
+50			104.91	12.53	92.38	√86.51	5.9
2+00				11.8	93.1	√87.68	5.4
+50				11.0	93.9	√88.85	5.1
3+00				10.0	94.9	√90.03	4.9
+20	M.H.	42		9.6	95.3	√90.50	4.8
+50				8.9	96.0	√90.82	5.2
4+00				8.3	96.6	√91.35	5.3
+50				7.2	97.7	√91.89	5.8
5+00				6.3	98.6	√92.42	6.2
+50				5.3	99.6	√92.96	6.6
6+00	M.H.	41		3.9	101.0	√93.50	7.5
+50				3.5	101.4	√93.78	7.6
7+00				3.5	101.4	√94.05	7.3

92.38
3.69
96.07
83.00
13.07

84.17
11.90

85.34
10.73

86.51
9.56

87.68
8.39

88.85
7.22

90.03
6.04

90.50
5.57

90.82
5.25

2.96
95.34

91.35
4.72

91.89
4.18

92.42
3.65

9.04
34.3
43.17

91.91
13.00
104.91

320 | 7.50 | 2.34
6.40
1.100
9.60
1.400
1.280

.46 20 86

280 | 3.00 | 1.07
2.50
2.000
1.960

30
3210

92.42
12.96
105.38
92.96
12.42
93.50
11.88
93.78
11.60
94.05
11.33

J.P.

POSTED

"F.F." line cont.

Nov. 28/08 { Childs, Barber, Rogers

			H.I.	Rod	Ground	Grade	cut
Sta.			104.91				
7+50				4.3	100.6	√94.33	6.3
8+00				4.3	100.6	√94.61	6.0
+50				4.7	100.2	√94.89	5.3
+70	F.J.	15		5.0	99.9	√95.00	4.9

270/ 1.500 (.555
1350 20
1500 1100

105.38 √
94.33
11.05

94.61
10.77

94.89
10.49

95.00
10.38

POSTED

"R" line South of Racine

Grades for Trestle bents

Nov. 30/08 { Childs, Barber, Rogers

Sta.	*		H.I.	Rod	Ground	Grade	Cut
0+00	M.H.	111	27.37			✓10.50	6.3
+50				8.1	19.3	✓11.80	7.5
1+00				4.4	23.0	✓13.10	9.9
+50				4.0	23.4	✓14.40	9.0
2+00				4.0	23.4	✓15.70	7.7
+50	M.H.	1	34.35	11.6	22.8	✓17.00	5.8
3+00				12.85	21.50	✓18.40	3.1
11 (+50			24.41	5.0	19.4	19.81	-0.4
+61						20.12	
+73						20.46	
+85						20.80	
+97						21.13	
4 +09						21.47	
+21						21.80	
+33						22.14	
12 {+45						22.47	
+50				4.0	20.4	22.61	-2.2
+57						22.81	
5+00			34.35	3.4	31.0	✓24.02	7.0
+35	M.H.	2		1.5	32.9	✓25.00	7.9
+50			45.56	12.4	33.2	✓26.28	6.9
6+00				3.4	42.2	✓30.53	11.7
+50				1.00	44.56	✓34.79	9.8
7+00			57.06	11.2	45.9	✓39.04	6.9

19.81 (3)
20.12 (1)
20.46 (2)
20.80 (2½)
21.13 (2½)
21.47 (4½)
21.80 (5½)
22.14 (5½)
22.47 (3)
22.81 (3)

End of trestle

End of trestle

107

24.41
19.81
4.60
20.12
5.29
20.46
3.95
20.80
3.61
2.5
6.11
21.50
5.87
27.37
34.13
11.43
45.56
12.85
57.06

19.81
6.55

12.76
21.50
34.26
24.02
10.24
1.73
44.56
46.29
34.79
11.50

39.04
7.25

34.13
.22
34.35
2.91
24.41
21.13
3.28
2.5
5.78
21.80
2.61
5.5
8.11
22.47
1.94
3
4.94
4.86
21.50
26.36
11.80
14.56
5.95
8.61
13.10
13.26
14.40
11.96
15.70
10.66
22.81
3.55
25.0
9.26
26.28
7.98

B.M.

2.85
21.47
2.94
4.5
7.44
22.14
2.27
5.5
7.77
25.0
6.50
17.00
9.36
18.40
7.96
6.56
3.56

800 / 570 (2.80
2300
2280 / 200 (1960
.308
.336
22.81
1.60
2.60

J.P.

POSTED

J.P.

"R" line cut.

Dec. 2/08 Fields, Barber, Rogers

Sta:			H.I.	Rod	Grade	Grade	cut
7+50			57.06	9.0	48.1	43.30	4.8
+59.15	M.H.	4		8.0	49.1	44.00	5.1
8+00				5.4	51.7	45.38	6.3
+50				1.39	55.67	47.02	8.7
9+00			64.47	6.7	57.8	48.66	9.1
+50				5.2	59.3	50.30	9.0
10+00				4.2	60.3	51.94	8.4
+50				3.9	60.6	53.58	7.0
+93.15	M.H.	6		4.1	60.4	55.00	5.4
11+00				4.4	60.1	55.03	5.1
+50				7.3	57.2	55.27	1.9
12+00				4.7	59.8	55.52	4.3
+50				3.0	61.5	55.76	5.7
+98.15	M.H.	7		5.6	58.9	56.00	2.9
13+50				2.89	62.08	57.55	4.6
14+00			74.79	12.0	62.3	59.05	3.3

POSTED

J.P.

Septic Tank M.H.
Dec. 2/48
Barber
Rogers
Blk 18
Blk. 13
hub
63°00'
10+93.35
Borden
La Jolla Blvd
Blk. 14
34°55'
40°00'
Ravina street
7+58.15
223.15
133.25
14'
26'
Blk. 14
Prospect Street
bridge
trestle
285'
61.87
95.60
46°04'
Coast Street
P line
54.39
38.42
79.8
103.5
0+00
R line
POSTED

"R" line cut —

15.991'

Sta.		H.I.	Rod	Ground
14+50		74.29	11.8	62.5
15+00			9.0	65.3
+50			9.0	65.3
1+99.15	Cuvier St. M.H. 8	81.27	7.0	74.3
16+50			12.0	69.3
17+00			10.4	70.9
+50			9.3	72.0
+82.69	℄ Alley			
18+00			7.9	73.4
+50			8.6	72.7
19+00			7.5	73.8
+50			7.1	74.2
+72.85	Draper Ave. M.H. 13		5.4	76.9
20+00			4.0	77.3
+50			3.1	79.2
21+00			2.9	79.4
+50			2.2	79.1

21+63 = M.H. to Alley South of Silver.

On Silver St.

Dec. 3/08 = { Rebuilds Barber Rogers

F6 7

Grade	Cut
60.54	2.0
62.04	3.3
63.53	1.8
65.00	9.3
65.94	3.4
66.87	4.0
67.81	4.2
68.75	4.7
69.69	3.0
70.62	3.2
71.56	2.6
72.00	3.9
73.42	4.9
73.20	5.0
73.97	4.4
74.75	4.4

74.95

POSTED

R. line cont –

Sta.			H.I.	Rod	Ground
22+00	On Silver St.		81.27	1.08	80.19
+50			86.65	5.5	81.[illegible]
23+00				4.5	82.[illegible]
+53.15	Eads Ave. M.H.	14	13°33'	7.2	79.[illegible]
24+00			93.04	13.2	79.8
+50				11.1	81.9
25+00				8.7	84.3
+50				6.4	86.6
26+00		391		4.6	88.4
+50				2.0	91.0
27+00				0.47	92.5
+44.1	Fay Ave. M.H.	19	101.86	8.2	93.7
+50				8.5	93.4
28+00				9.7	92.2
+50				12.4	89.5
29+00				10.5	91.4

Dec. 3/08 {Childs, Barber, Rogers} 57

Grade	Cut
75.53	4.7
76.31	4.9
77.08	5.1
77.91	1.6
78.64	1.2
79.42	2.5
80.19	4.1
80.97	5.6
81.75	6.7
82.53	8.5
83.31	9.3
84.00	9.7
84.06	9.3
84.57	7.6
85.08	4.4
85.59	5.8

80.19
6.46
86.65
12.85
93.04

92.57
93.1
1.88

J.P.

771.25 / 12 00 00 / 1.55
771.25
428750
385625
31250
2750

78

22.15
01.55
13575
13575
2715
420825

1.55
44.1
155
620
620
683.55

840
77.9
6.1

3.05

81.00

86.44
75.53
10.91

76.31
10.13

77.08
9.36

77.91
8.53

85.08
10.71

85.59
10.20

82.53
11.32

81.75
12.10

6.92
80.19
87.11
78.65
8.47

79.42
7.69

80.19
6.92

3.15
1.55
1575
1575
215
048825

94.05
1.74
95.79
84.57
11.22

128
92.57
93.85
84.03
9.85

80.97
12.88

83.31
10.54

J.P.

POSTED

7791
72
591
295
7495

"R" line cut

Sta.			H.I.	Rod	Ground
29+50			101.86	13.8	88.1
30+00				10.3	91.6
+50				9.4	92.5
31+00				9.4	92.5
+34.95	M.H.	22		8.3	93.6
+50				7.81	94.0
32+00				7.1	94.8
+50				5.9	96.0
33+00				5.4	96.5
+32.55	M.H. S. of Alley Bk 892-54				
+50				4.4	97.5
34+00				4.0	97.9
+50				4.7	97.2
+94.95	M.H.	23		1.3	100.6
35+00				0.89	100.97
+50			113.69	10.0	103.7
36+00				8.4	105.3

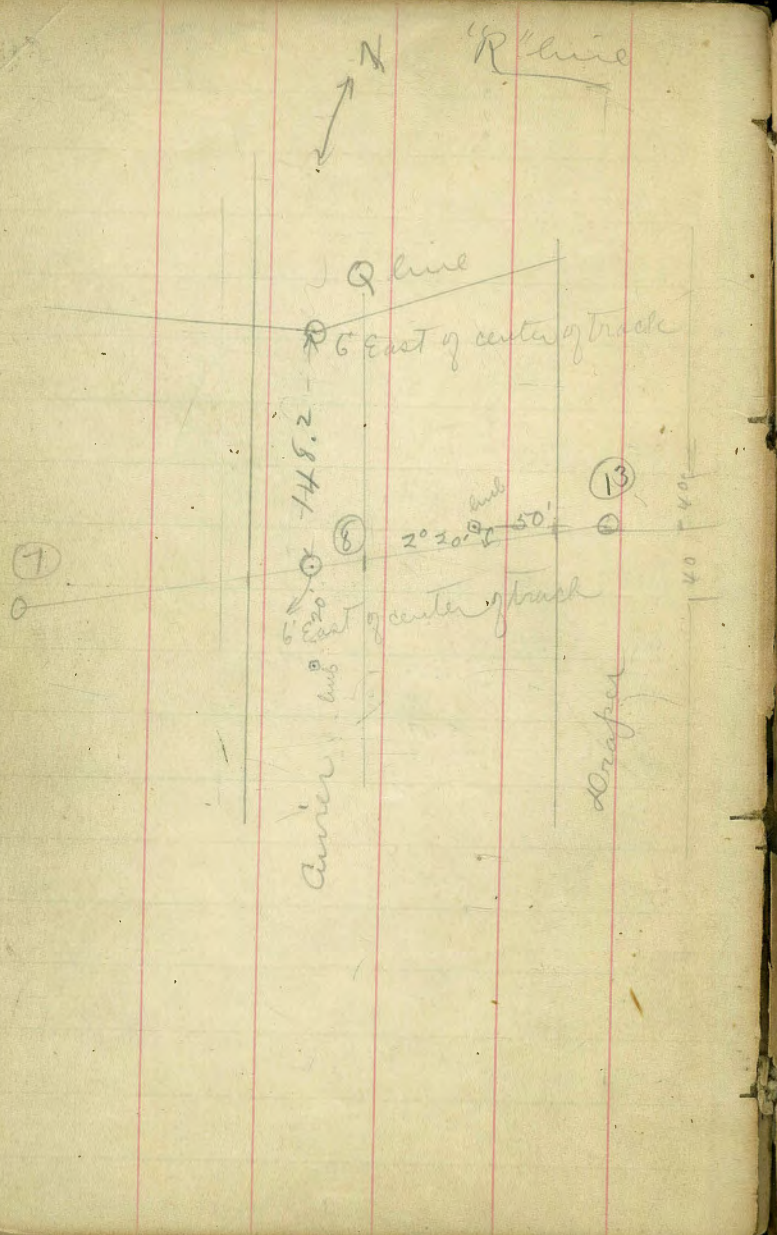
Dec. 7/08

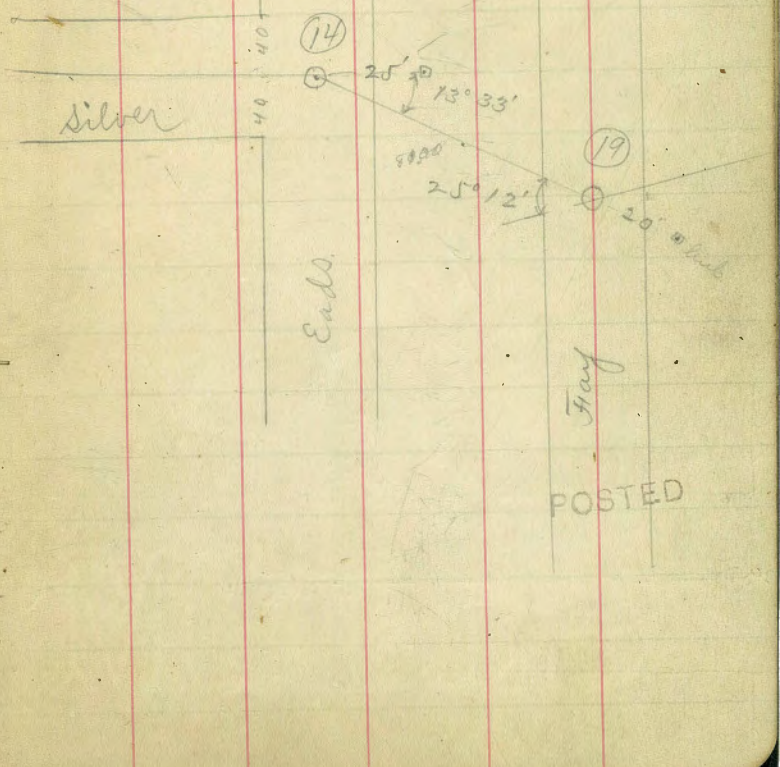
Helds
Barber
Rogers

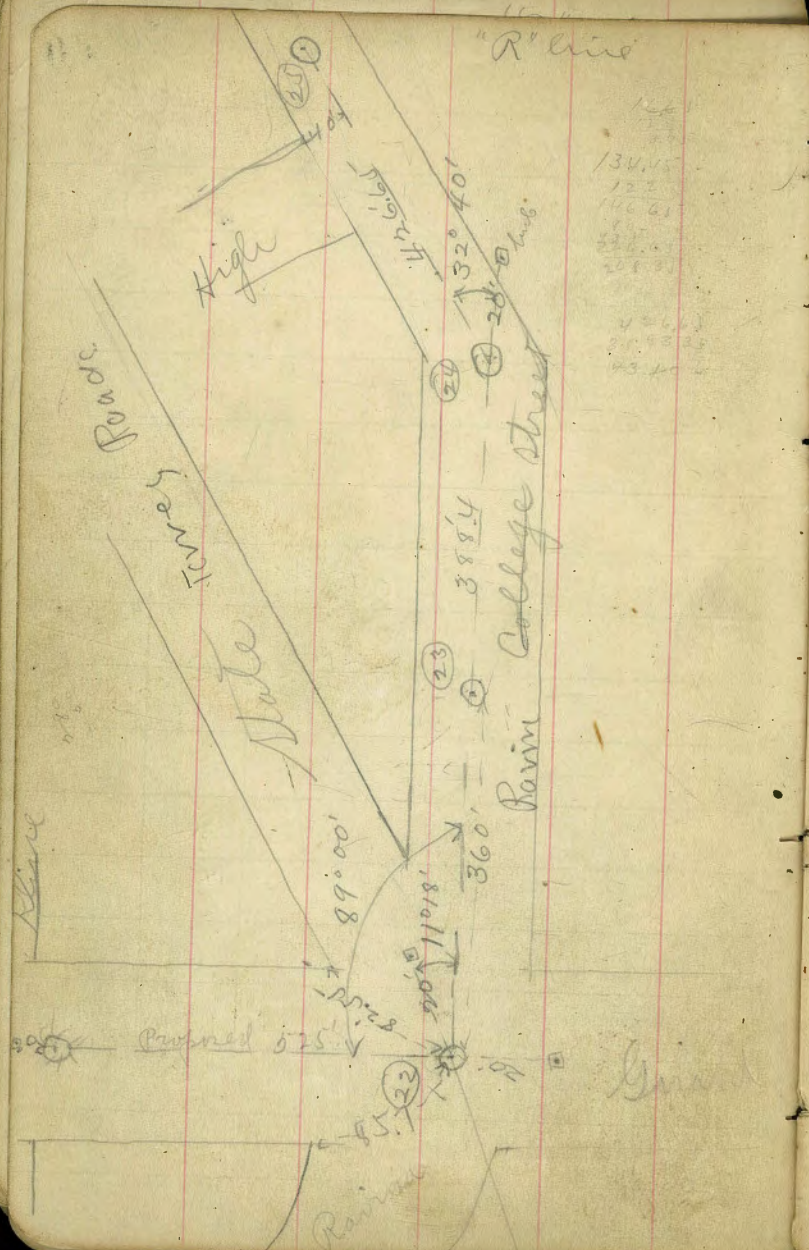
Grade	cut			
86.11	2.0	95.79		100.97
		86.11		12.72
		9.68		113.69
86.62	5.0	86.62		
87.13	5.4	9.17		
		87.13		
87.64	4.9	8.66		
		7.0		
88.00	5.6	94.05		
		101.10		
		88.00		
88.38	5.7	13.10	36.0	
		88.38	111.12	
		12.72	3.02	
89.63	5.2	89.63	114.14	
		11.47	101.87	
90.88	5.1	90.88	12.27	
		10.22		
92.13	4.4	92.13		
		8.97		
93.38	4.1	93.38		
		7.72		
94.63	3.3	94.63		
		6.47		
		95.88		
95.88	1.3	5.22		
		97.00		
97.00	3.6	4.10		
		97.24		
97.24	3.8	3.86		
		99.56		
99.56	4.1	1.54		
101.87	3.4			

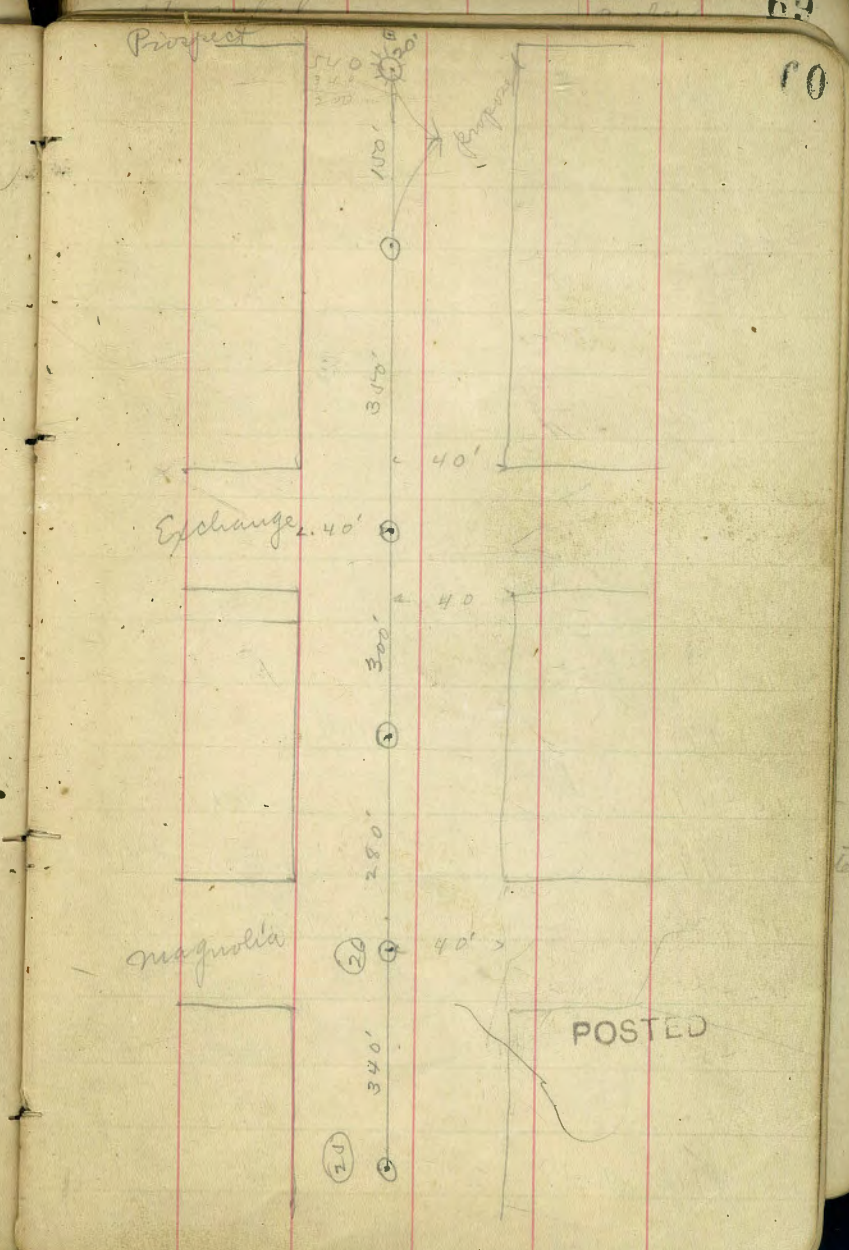
POSTED
J.P.

Dec. 3/08 { Childs Barber Rogers






"R" line
High
State
Road
Ravin College Street
Proposed 525'
Ravine
Grand
89°00'
360'
388.4
32° 40'


Prospect
Proposed
Exchange
magnolia
POSTED

"R" line Cont—

Dec. 7/08 Childs, Barber, Rogers

Sta.			H.I.	Rod	Ground	Grade	cut
36+50	68.6 M.H. ℄ of Alley 892-52		113.69	6.1	107.6	✓104.19	3.4
37+00				2.57	111.12	✓106.50	4.6
+50			123.73	9.0	114.7	✓108.82	5.9
38+00				5.6	118.1	✓111.14	7.0
+50				4.4	119.3	✓113.45	5.9
+83.35	M.H.	24		4.8	118.9	✓115.00	3.9
+99				4.1	119.6	✓115.96	3.6
39+49				1.82	121.91	✓119.00	2.9
+99			134.90	10.4	124.5	✓122.05	2.5
40+49				7.5	127.8	✓125.10	2.7
+99				3.5	131.4	✓128.14	3.3
41+50			147.61	12.75	134.86	✓131.25	3.6
42+00				7.7	139.9	✓134.30	5.6
+50				5.1	142.5	✓137.34	5.2
43+00				1.84	145.77	✓140.39	5.4
+10	M.H.	25		.80	146.8	✓141.00	5.8

389.4 / 18.000 / 15.536 / 24640 / 23304 / 1334 / 11652 / 4.63 / 111.12 / 12.61 / 123.73 / 121.91 / 12.99 / 134.90 / .17 / 134.73 / 12.89 / 147.61 / 0.45 / 147.16

114.14 / 104.19 / 9.95 / 106.50 / 7.64 / 108.82 / 5.32 / 111.14 / 3.00 / 113.45 / 0.69 / 121.91 / 4.42 / 126.33 / 113.45 / 12.88 / 115.0 / 11.33 / 115.96 / 10.37 / 119.00 / 7.33 / 122.05 / 4.28 / 125.10 / 1.23

33.35 / 04.63 / 10005 / 20010 / 13340 / 1545605

426.65 / 15.6 / 6.09 / 14085 / 9390 / 953085

134.86 / 2.72 / 137.58 / 128.14 / 9.44 / 131.25 / 6.33

3.05 / 134.86 / 145.77 / 3.99 / 149.76 / 134.30 / 15.46 / 9.60 / 5.86 / 137.34 / 12.42

26000 / 6.09 / 255990 / 401000 / 383995 / 170150

140.39 / 9.37 / 141.0 / 8.76

J.P.

J.P.

J.P.

POSTED

J.P.

R" line Cont —

Dec. 7/08 { Childs, Barber, Rogers

62

Sta.			H.T.	Rod	Ground	Grade	cut
43+50			159.46	11.1	148.4	143.12	5.3
44+00				8.8	150.7	145.77	4.9
+50				5.8	153.7	148.41	5.3
45+00				4.7	154.8	151.06	3.7
+50				2.1	157.4	153.71	3.7
46+00				-0.02	159.48	156.36	3.1
+50	M.H.	26	172.38	10.4	162.0	159.00	3.0
47+00				8.4	164.0	161.68	2.3
+50				5.8	166.6	164.36	2.2
48+00				3.4	169.0	167.04	2.0
+50				-0.02	172.40	169.72	2.7
49+00			185.69	10.3	175.4	172.39	3.0
+30	M.H	27		8.1	177.6	174.00	3.6
+50				6.4	179.3	174.53	4.8
50+00				4.8	180.9	175.86	5.0
+50				1.0	184.7	177.20	7.5

149.76
143.12
6.64
145.77
3.99
148.41
1.35
159.48
3.55
163.03
151.06
11.97
153.71
9.32
156.36
6.67
159.00
4.03
161.68
1.35
188.34
177.20
11.14

172.40
13.29
185.69
172.40
3.97
176.37
164.36
12.01
167.04
9.33
169.72
6.65
172.39
3.98
174.00
2.37
174.53
1.84
175.86
0.51

147.16 J.P.
12.30
159.46
12.90
172.38
13.29
7
340 | 18000 (5.30
1700
1000
1020
40
1200
800 (2.67
600
2000
1800
200
5.34
8010
780 | 15000 (5.36
1400
1000
840
1600
J.P.
J.P.

POSTED

"R" line cust —

Dec. 8/08 { Childs, Barber, Rogers

Sta.			H.I.	Rod	Ground	Grade	~~Cut~~ Cut	
51+00			185.69	1.19	184.50	✓178.53	6.0	184.50 / 3.84 / 188.34 ✓
+50				2.1	183.6	✓179.87	3.7	179.87 / 8.47 ✓
52+00			195.54	11.7	183.8	✓181.20	2.6	181.20 / 7.14
+30	M.H.	28		9.0	186.5	✓182.00	4.5	184.50 / 10.07 / 194.57 ✓
+50				8.2	187.3	✓182.28	5.0	182.0 / 12.57 ✓
53+00				6.8	188.7	✓182.99	5.7	182.28 / 12.29 ✓
+50				5.4	190.1	✓183.71	6.4	182.99 / 11.58 ✓
54+00				1.3	194.2	✓184.42	9.8	183.71 / 10.86 ✓
+50				2.9	192.6	✓185.14	7.5	184.42 / 10.15 ✓
55+00				1.3	194.2	✓185.85	8.4	4.10
+50				3.2	192.3	✓186.57	5.7	194.41 / 198.51 ✓
+80	M.H.	28½	199.82	7.3	192.5	✓187.00	5.5	187.20 / 11.31 ✓
56+00			195.54	0.9	194.6	✓187.20	7.4	187.70 / 10.81 ✓
+50				1.13	194.41	✓187.70	6.7	188.20 / 10.31 ✓
57+00			200.08	3.7	196.4	✓188.20	8.2	188.50 / 10.01 ✓
+30	F.J.	8		5.6	194.5	✓188.50	6.0	

184.50 / 11.08 / 195.54

194.41 / 7.16 / 201.57 / 187.4 / 14.17

5.67 / 200.08 / 12.74 / 187.32

3.50 / 15.000 / 1.43 / 3.50 / 15.00 / .28 / .42

185.14 / 9.43

185.85 / 8.72

186.57 / 8.00

187.00 / 7.57

5.41 / 194.41 / 199.82

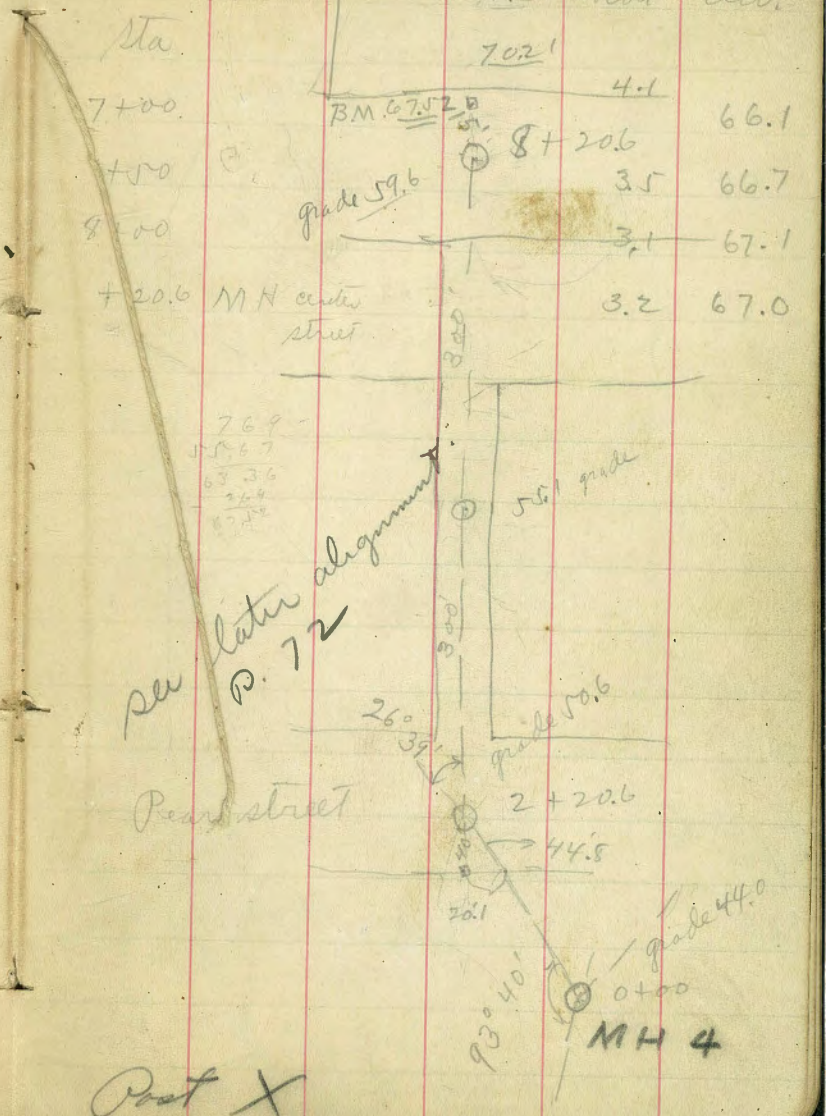
189.0

POSTED

J.P.

J.P.

Sta.		H.I. 63.36	Rod	Elev.
0+00			14.3	49.1
+50			9.8	53.6
1+00			7.0	56.4
+50			6.5	56.9
+98			5.1	58.3
2+00			7.6	55.8
+20.6	M.H. center Pearl st.		6.5	56.9
+34			7.2	56.7
+36			5.0	58.4
+50			5.1	58.3
3+00			4.5	58.9
+50			3.8	59.6
4+00			3.4	60.0
+50			2.4	61.0
5+00			1.5	61.9
+20.6	M.H.		1.27	62.09
+50		70.21	7.4	62.8
6+00			6.3	63.9
+50			5.0	65.2



Post X

Girard Street line

Sta.			H.I.	Rod	Ground
0+00	M.H.	22	105.34	11.7	93.6
+50				12.4	92.9
1+00				10.8	94.5
+50				9.7	95.6
2+00				8.2	97.1
+50				6.8	98.5
3+00				5.3	100.0
+50				3.7	101.6
4+00				2.9	102.4
+50				2.0	103.3
5+00				1.1	104.2
+25	F.T.	20' S. of S.L. Kline		0.8	104.5

See Page 60 for sketch

Post X

May 4/10 { Childs Barber Taylor

C.4

Grade	cut
88.00	5.6
89.30	3.8
90.52	4.3
91.29	4.3
92.38	4.7
93.48	5.0
94.57	5.4
95.67	5.9
96.76	5.6
97.86	5.4
98.95	5.3
99.5	5.0

104.02
3.85
107.87 H.I.
99.48
8.39
98.95
8.92
95.67
12.20
93.48
5.94
92.38
7.04
91.29
8.13
90.38
91 9.04
90.38
91) 2.380 (2.61
182 1.30
560
546
140
52
90.52
8.90
89.30
10.12

11.29
94.05
105.34
525) 11.50 (2.1
10.50
1000
525
4750
4725
55
97.86
10.01
96.76
11.11
10.72
97.15 J.P.
2.27
99.42 H.I.
94.57
4.85
90.19
9.23
91
59) .91 (1.54
59
320 9
295 .1386
250

18
9.41
04
937

May 19/10 { Childs Barber Taylor

✓

State & Prospect Street line

June 15/09 { Childs P. Barber Taylor

Sta.		H.I.	Rod	ground	Grade	cut			
0+00	F.T.	167.71	2.3	165.4	155.40	10.0		148.72 B.M. 6.53 155.25	148.72 1.60 150.32
+50			4.6	163.1	154.40	8.7		145.0 10.25	145.40 9.85
1+00			5.6	162.1	153.40	8.7		143.20 12.05	146.40 8.85
+50		161.37	0.42	160.95	152.40	8.5		147.40 7.85	148.40 6.85
2+00			1.9	159.5	151.40	8.1		149.40 5.85	150.40 4.85
+50			2.9	158.5	150.40	8.1		151.40 3.85	152.40 2.85
3+00			4.6	156.8	149.40	7.4		153.40 1.85	154.40 0.85
+50	2%		4.7	156.7	148.40	8.3			
4+00			6.3	155.1	147.40	7.7			
+50			8.3	153.1	146.40	6.7			
5+00			11.1	150.3	145.40	4.9		143.20 1.77 144.97	137.25 7.72
+20	M.H. center, state & prospect		10.9	150.5	145.00	5.5		140.22 4.75	134.27 10.70
+50		150.32	1.4	148.8	143.20	5.7			
6+00			4.2	146.1	140.22	5.8			
+50			7.5	142.8	137.25	5.6			
7+00		5.95%	9.02	141.30	134.27	7.0			
						116.8			

Costud

Costud

Childs P. Barber Taylor

June 29/09

J.P.

J.P.

141.30 | Childs
0.16 | Barl
141.46 | Taylor
June 15/09

1168

Sta			H.I.	Rod	Ground	Grade	Cut
7+50			141.46	6.3	135.2	✓131.30	3.9
8+00				10.0	131.5	✓128.32	3.2
+39.	M.H.	8.2		11.5	130.0	✓126.00	4.0

134.27
2.85
137.12 ✓
131.30
5.82 ✓

128.32
8.80 ✓
126.20
10.92

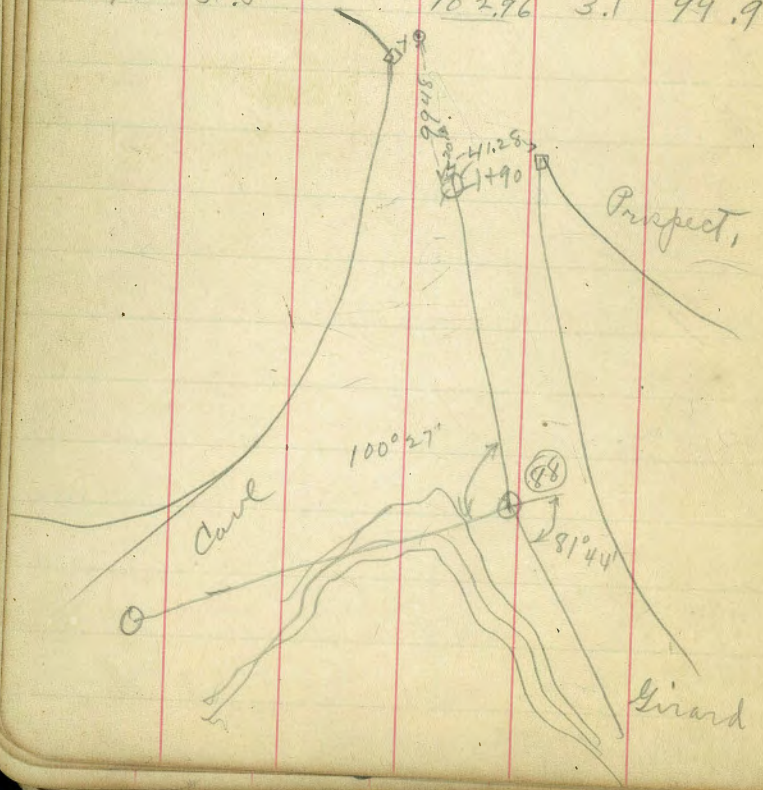
2475.00 | 416
2496 | 66
2540

6.7
2
13.4
8.39
1206
402
1072
112
108
44
2
172

2.6 27 | 416

Cave Street Extension

Sta.		H.I.	Rod	Ground	Grade	Cut
0+00	(88) N.H. Girard + Cave.	84.24	11.1	73.1	61.81	11.3
+50			6.1	78.1	69.81	8.3
1+00	16%	96.81	11.3	85.5	77.81	7.7
+50			1.25	95.56	85.81	9.8
+90	F.T.	102.96	3.1	99.9	92.21	7.7



June 15/09 { Childs, Barber, Taylor

74.54 BM Girard & cave.
9.70
84.24
0.36
83.88 T.P.
12.93
96.81
1.25
7.40
102.96
77.81
3.84
0.95
80.70 T.P.
11.50
92.20
0.30
91.90 T.P.
9.23
101.13
92.21
8.92

74.54
7.11
81.65
69.81
11.84

June 29/09

190 | 30.4 | 16.00
190
1140
1140
6.4

T.P.
{ Childs, Barber, Taylor

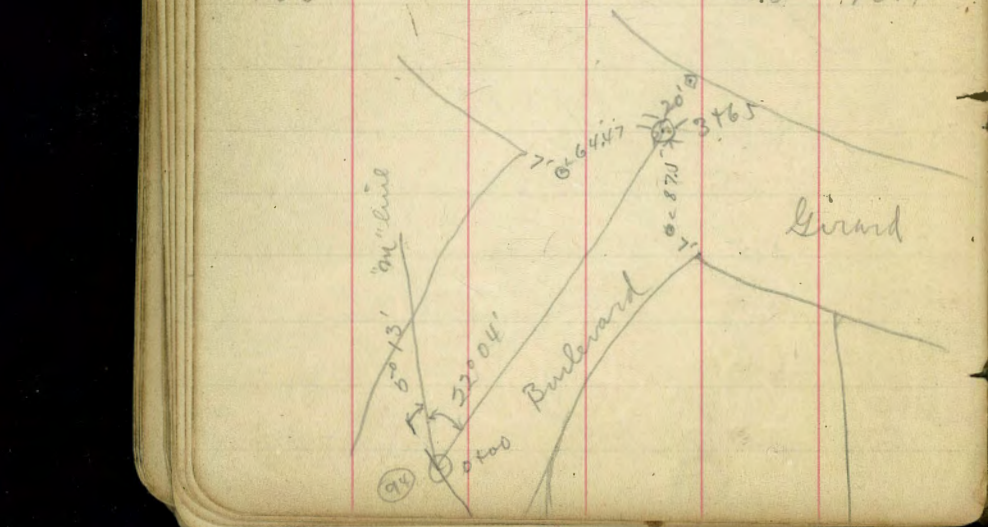
16.00
14
64
16
3.26
61.81
64.65
17.60

139
190
365
1294

Boulevard street sewer extension

June 15/09 { Childs, Barber, Taylor

Sta.		H.I.	Rod	Ground	Grade	cut
0+00	(94) drop M.H.	48.98	11.2	37.7	32.70	5.0
+50			9.6	39.3	33.70	5.6
1+00			7.8	41.1	34.70	6.4
+50			6.6	42.3	35.70	6.6
2+00	2% Grade		4.8	44.1	36.70	7.4
+50			3.38	45.50	37.70	7.8
3+00			4.6	44.3	38.70	5.6
+50			3.1	45.8	39.70	6.1
+65			2.5	46.4	40.00	6.4



July 8/09 { Childs, Barber, Taylor

58.88
0.64
59.52
12.04
47.48
1.17
48.65
40
8.65
9.70
8.95
9.95
10.95
11.95
12.95

7.60
41.05
1.07
42.12
34.70
7.42
8.42
9.42

J.P.
J.P.

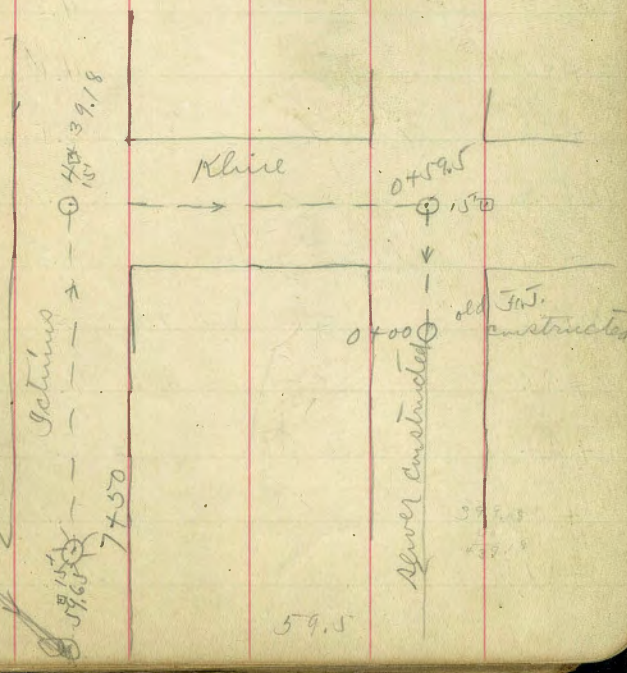
Preliminary Sewer on Kline, & Ictinus

Sta		H.I.	Rod	Elev.
0+00	Taken up. Old F.J. constructed	119.37	4.0	115.4
+50			4.5	114.9
+59.5	center Herschel & Kline		4.84	114.5
1+00			3.5	115.9
+50			2.2	117.2
2+00		130.24	11.1	119.1
+50			8.3	121.9
3+00			6.3	123.9
+50			5.6	124.6
4+00			2.7	127.5
+39.18	M.H. center Kline & Ictinus	138.72	8.5	130.2
+50			8.5	129.2
5+00			7.9	130.8
+50			6.4	132.3
6+00			8.3	130.4
+50			5.0	133.7
7+00			5.9	132.8
+50	F.J.		5.9	132.8

Herschel

June 30/09 — Childs, Barber, Taylor

109.0	113.03	B.M., S.W. cor. connecticut & Herschel.
	6.34	
	119.37	
	1.81	
	117.56 T.P.	
	12.68	
	130.24	
	0.95	
	129.29 T.P.	
	9.43	
	138.72	



Mahler Sewer, alley west of Borden La Jolla Blvd.

July/12/09 Childs Barber Taylor

sta.		H.I.	Rod	Ground	Grade	Cut
0+00	M.H. on "R" line	63.01	13.5	49.5	44.00	5.5
+50			9.5	54.5	45.50	9.0
1+00			6.6	56.4	47.00	9.4
+50	3%		6.1	56.9	48.50	8.4
2+00			7.6	55.4	50.00	5.4
+20.6	M.H. Center Pearl & alley west of Borden. La Jolla		6.2	56.8	50.60	6.2
+50			4.8	58.2	51.19	7.0
3+00			4.1	58.9	52.19	6.7
+50	2.0 %		3.5	59.5	53.19	6.3
4+00			2.9	60.1	54.19	5.9
+50	61.69 -1.32 63.01		2.3	60.7	55.19	5.5
5+00	~~10.21~~	71.90	10.21	61.69	56.19	5.5
+50			9.2	62.7	57.19	5.5
+84.6	M.H. center alley		8.0	63.9	57.88	6.0
6+00			7.8	64.1	58.42	5.7
+50	3½%		6.0	65.9	60.17	5.7

46.72 T.P.
9.40
56.12 ✓
44.00
12.12 ✓
2.63
53.49 T.P.
9.75
63.24 ✓
50.60
12.64 ✓
55.19
8.05
1.55
61.69 T.P.
9.21
70.90 ✓
1.54
.35
770
462
5390

Childs Barber Taylor

July 20/09

45.5
10.62
48.50
7.62
51.19
12.05
53.19
10.05
56.19
7.05
57.88
13.02
60.17
10.73

47.0
9.12
50.0
6.12
52.19
11.05
54.19
9.05
57.19
6.05
58.42
12.48
61.92
8.98
63.03
7.87

T.P.

Cont. from page 70

July 12/09 { Childs, Barber, Taylor

Sta.		H.I.	Rod	Ground	Grade	Cut
7+00	3½%	71.90	4.59	67.31	61.92	5.4
+32.6	N.H.		3.6	68.3	63.06	5.2
+50			3.6	68.3	63.13	5.0
8+00			3.2	68.7	63.33	5.4
+50	67.52 / 4.38 / 71.90		3.3	68.6	63.53	5.1
9+00			3.0	68.9	63.73	5.2
+50	0.4%		2.6	69.3	63.93	5.4
10+00			2.3	69.6	64.13	5.5
+50			2.3	69.6	64.33	5.3
+77.6	F.T. in Lafolla Boulevard.		2.1	69.8	64.44	5.4

3.61 / 67.29 T.P.
6.15 / 73.44 ✓
63.10 / 10.34
63.30 / 10.14
63.50 / 9.94
63.70 / 9.74
63.90 / 9.54
64.10 / 9.34
64.30 / 9.14
64.41 / 9.03

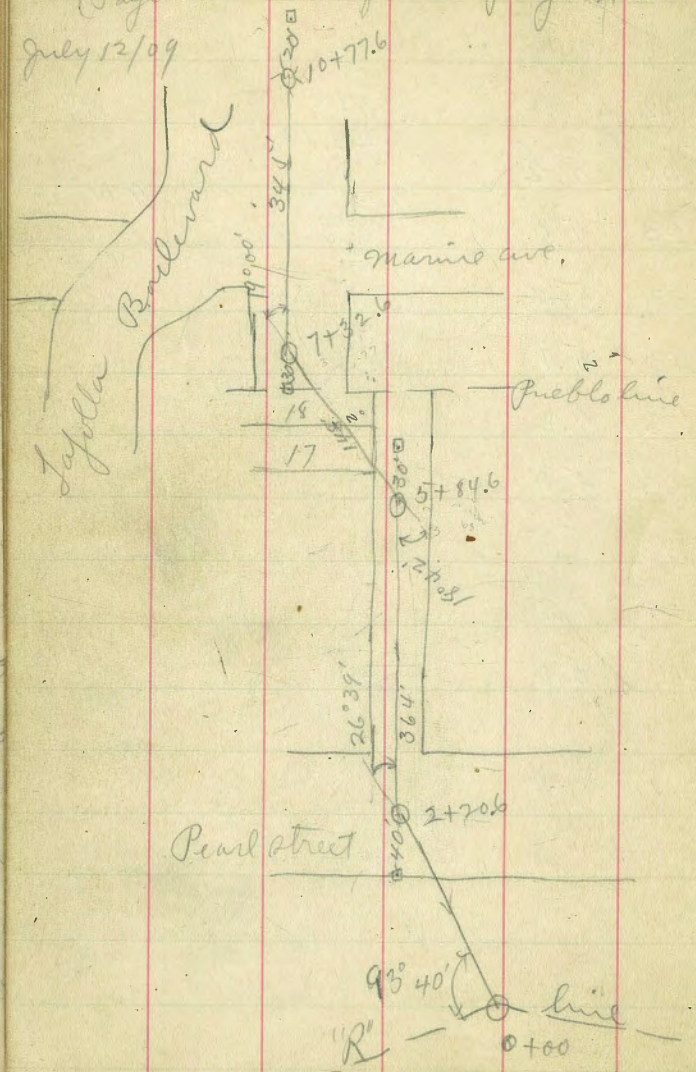
T.P.

17.4 / 6.96
29.4 / 1.2 / 588
29.4 / 1.5 / 1470 / 294 / 4410
32.6 / 2.8 / 1630 / 652 / 8150
27.6 / 1.0 / 1104

Schields
Barber
Taylor

Cont. from Page 71

July 12/09



Sewer on Kline & Ictinus from Herschel: May 4/10 {Childs Barber Taylor

To Magnolia place

See Diagram page 69

Sta.			H.I.	Rod	Ground	Grade	cut
J.P.			119.16	6.13	113.03		
0+00	old F.J.			3.8	115.4	109.00	6.4
+59.5	M.H. center of Kline & Herschel			4.8	114.4	110.00	4.4
1+00				3.26	115.90	111.28	4.6
J.P.		12.95	128.85				
+50				11.6	117.2	112.86	4.3
2+00				9.7	119.1	114.44	4.7
+50				7.0	121.8	116.02	5.8
3+00				4.8	124.0	117.60	6.4
+50				4.1	124.7	119.18	5.5
4+00				1.32	127.53	120.76	6.7
J.P.		9.40	136.93				
+39.18	center Kline & Ictinus			6.7	130.2	122.00	8.2
+50				6.8	130.1	122.18	7.9
5+00				6.3	130.6	122.98	7.6
+50				4.9	132.0	123.78	8.2
6+00				6.5	130.4	124.58	5.8
+50				3.2	133.7	125.38	8.3
7+00				4.27	132.66	126.19	6.5
+50	F.J. near magnolia			4.1	132.8	127.00	5.8

115.90
3.91
119.81 H.I.
110.0
9.81

111.28
8.53

112.86
6.95

114.44
5.37

116.02
3.79
6.07

117.60
2.21

119.18
0.63

127.53
~~7.33~~
~~134.86~~ H.I.
133.60 H.I.
120.76
12.84

122.0
11.60

122.18
11.42

122.98
10.62

127.53
8.78
136.31 H.I.
124.58
11.73

123.78
9.82

125.38
10.93

126.19
10.12

127.00
9.31

May 16/10 {Childs Barber Taylor

Coast Street line see diagram from Septic tank N.E.

Book 240 pages 32 & 64

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Sta.		H.I	Rod	Ground	Grade	Cut.			
0+00	Septic tank M.H.	18.51	12.6	5.9	3.00	2.9			
+50			9.8	8.7	5.19	3.5			
1+00			1.02	17.49	7.38	10.1			
	J.P.	12.12	29.61						
+50			11.0	18.6	9.58	9.0			
2+00		4.38%	10.0	19.6	11.77	7.8			
+50			9.5	20.1	13.96	6.1			
+84.8	M.H. angle.		8.5	21.3	15.50	5.8			
3+00			7.8	21.8	15.80	6.0			
+50	"T" Line 2% grade		6.2	23.4	16.80	6.6			
4+00			5.5	24.1	17.80	6.3			
+50			4.2	25.4	18.80	6.6			
5+00			3.0	26.6	19.80	6.8			
+34.5	about 7° M.H. angle.		1.9	27.7	20.50	7.2			
+50			1.86	27.75	20.72	7.0			
	J.P.	13.06	40.80						
6+00			11.8	29.0	21.47	7.5			
+50		1.5%	9.3	31.5	22.22	9.3			

17.49 / 0.24 / 17.73 H.I.
7.38 / 10.35 — 5.19 / 12.54
17.49 / 4.85 / 22.34 H.I. — 11.77 / 10.57
9.58 / 12.76 — 13.96 / 8.38
15.80 / 6.84 — 15.80 / 6.54
1.85 / 20.79 J.P. — 17.80 / 10.70
7.21 / 28.50 H.I. — 12.5 @ 4.38%
16.80 / 11.70 — 15.80 / 9.70
19.80 / 8.70 — 20.50 / 8.00
20.72 / 7.78 — 27.75 / 7.45
27.75 / 6.80 — 35.20
34.55 H.I. / 21.47 / 13.08 — 22.22 / 12.33

34.13 / 0.12 / 34.25 H.I. / 11.97 / 22.28 J.P. * / 1.70 / 23.98 H.I. / 6.49 / 17.49 J.P. / 1.02 / 18.51

May 19/10 { Childs Barber Taylor

June 6/10 { Childs Barber Taylor

grades.

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Cont. from page 74

Sta.		H.I.	Rod	Ground	Grade	Cut
		40.80				
7+00			10.0	30.8	22.97	7.8
+50			9.1	31.7	23.72	8.0
8+00		1.5%	8.5	32.3	24.47	7.8
+50			8.2	32.6	25.22	7.4
9+00			7.4	33.4	25.97	7.4
+25.8	M.K.	not less 7'	7.2	33.6	26.36	7.2
+50			6.8	34.0	26.84	7.2
10+00			6.2	34.6	27.84	6.8
+50			5.38	35.42	28.84	6.6
11+00			5.0	35.8	29.84	6.0
+50		2%	3.4	37.4	30.84	6.6
12+00			2.4	38.4	31.84	6.6
+50			2.0	38.8	32.84	6.0
13+00			1.1	39.7	33.84	5.9
+05.8	E.S.		0.8	40.0	33.96	6.0
						43.7

59.6
3

34.55 H.I.
22.97
11.58

25.22
9.33

26.36
8.19

27.84
11.16

28.84
10.16

35.42
8.71
44.13 H.I.
32.84
11.29

23.72
10.83

24.47
10.08

25.97
8.58

30.84
8.16

33.84
10.29

35.42
3.58
39.00 H.I.
26.36
12.64

26.84
12.16

31.84
7.16

33.96
10.17

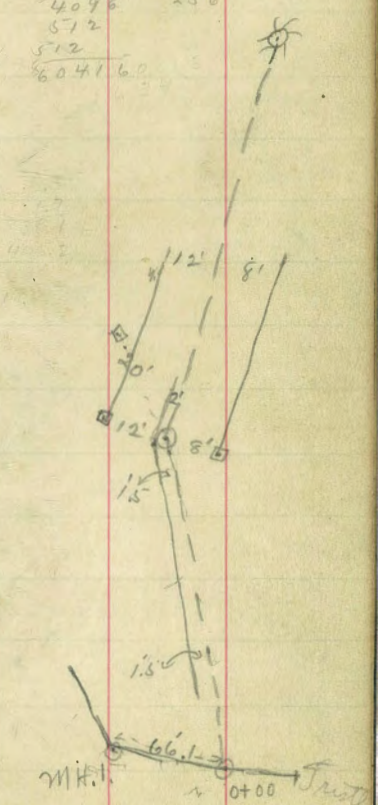
Sewer 1.5 East of lot line in Blk. 16 Lafolla. + 2' S.E. of center of alley. Childs 76
from angle. N.E. June 29/12 Taylor Bunker

Sta.		H.I.	Rod	Ground	Grade	cut
T.P.	0.84	34.97		34.13 B.M.		
0+00	M.H. Main line 66.1 East of M.H. No. 1.		13.5	21.5	18.85	2.7
+25			14.2	20.8	18.95	1.9
+50			13.30	21.67	19.05	2.6
1+00			9.44	25.53	19.25	6.3
+50			6.3	28.7	19.45	9.3
2+00			6.52	28.45	19.65	8.8
+50			6.8	28.2	19.85	8.4
3+00			10.63	24.34	20.05	4.3
+50			11.7	23.3	20.25	3.0
+87.8	M.H. angle.	0	11.2	23.8	20.40	3.4
4+00			10.20	24.77	21.00	3.8
+50			6.4	28.6	23.57	5.0
5+00			5.00	29.97	26.13	3.8
+50			3.8	31.2	28.69	2.5
6+00			1.84	33.13	31.25	1.9

402.2) 20600 512
20110
4900
4022
8780

512
118
4096
512
512
60416

256



Cont. from page 76

June 20/12 Childs
Taylor
Bunker

Sta.			H.I.	Rod	Ground	Grade	cut
J.P.		12.46	45.59				
6+50				10.0	35.6	33.81	1.8
7+00				6.76	38.83	36.38	2.4
+50				2.88	42.71	38.94	3.8
+90	F.T.			-0.4	46.5	41.00	5.0

	0	92.2
74	0	92.4
20	0	92.1
20		91.5
20		90.7
45		87.8
239		85.0

90.23
87.8
2.43
1.21
89.02

70
47
90.23

90.95
47
8

3.16
39
2844
948
1.2324

380) 1200 (3.16
1140
600
380
2200
2280

3.16
40.5
1580
1264
1.27980

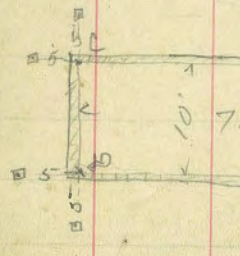
311) 500 (1.60
311
1890
1866
240

1.58

.80

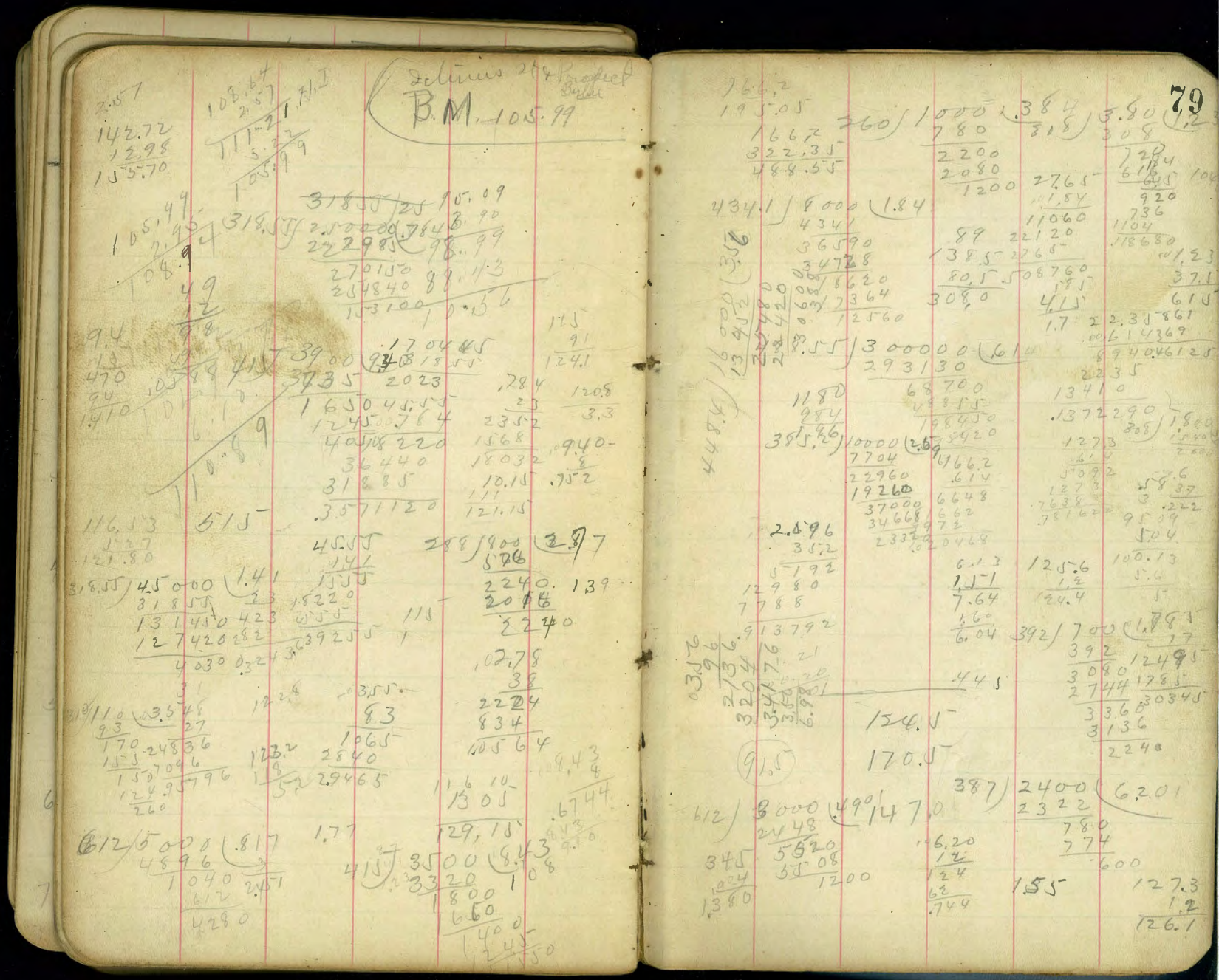
1.60
11
160
160
1760

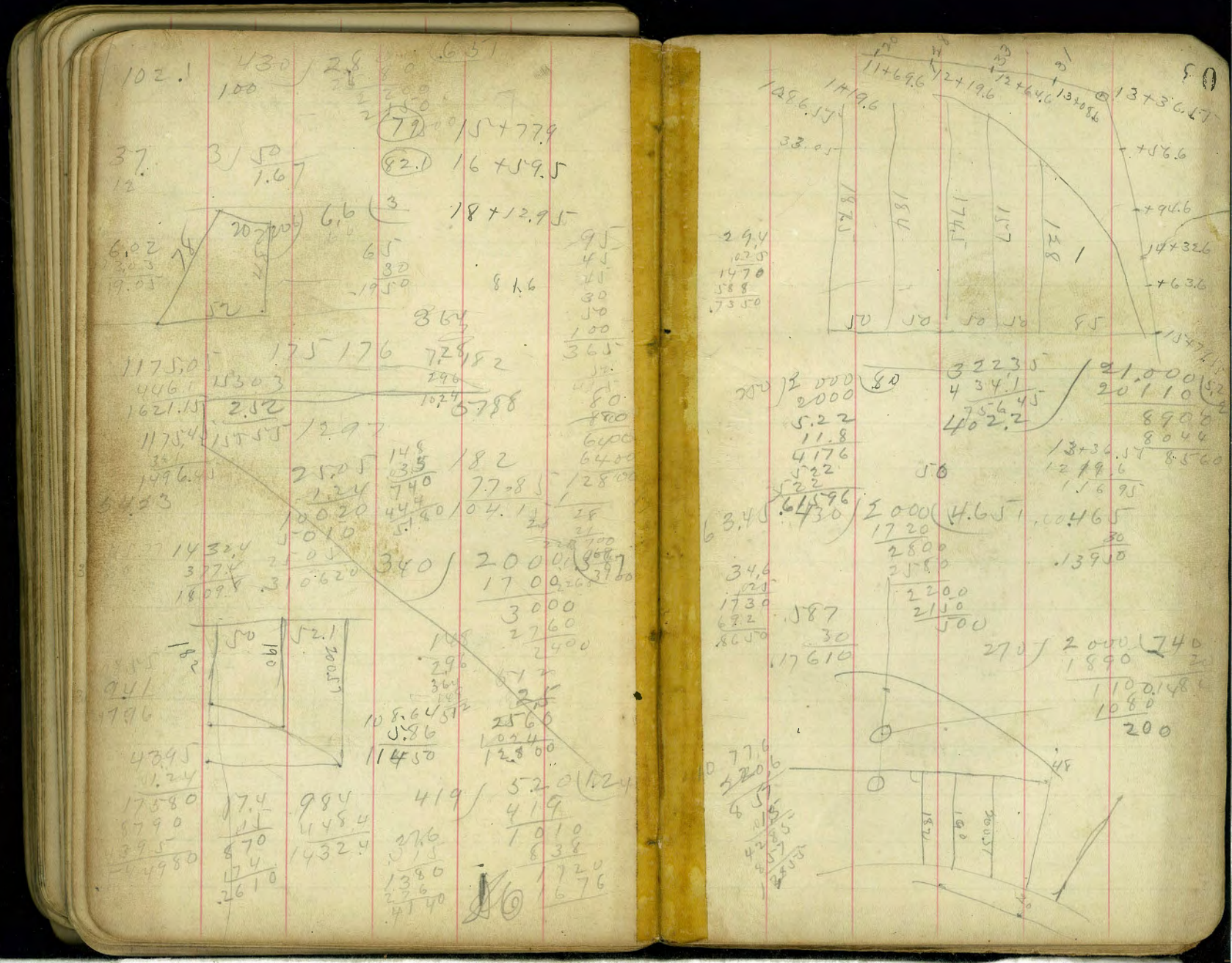
South Septic Tank

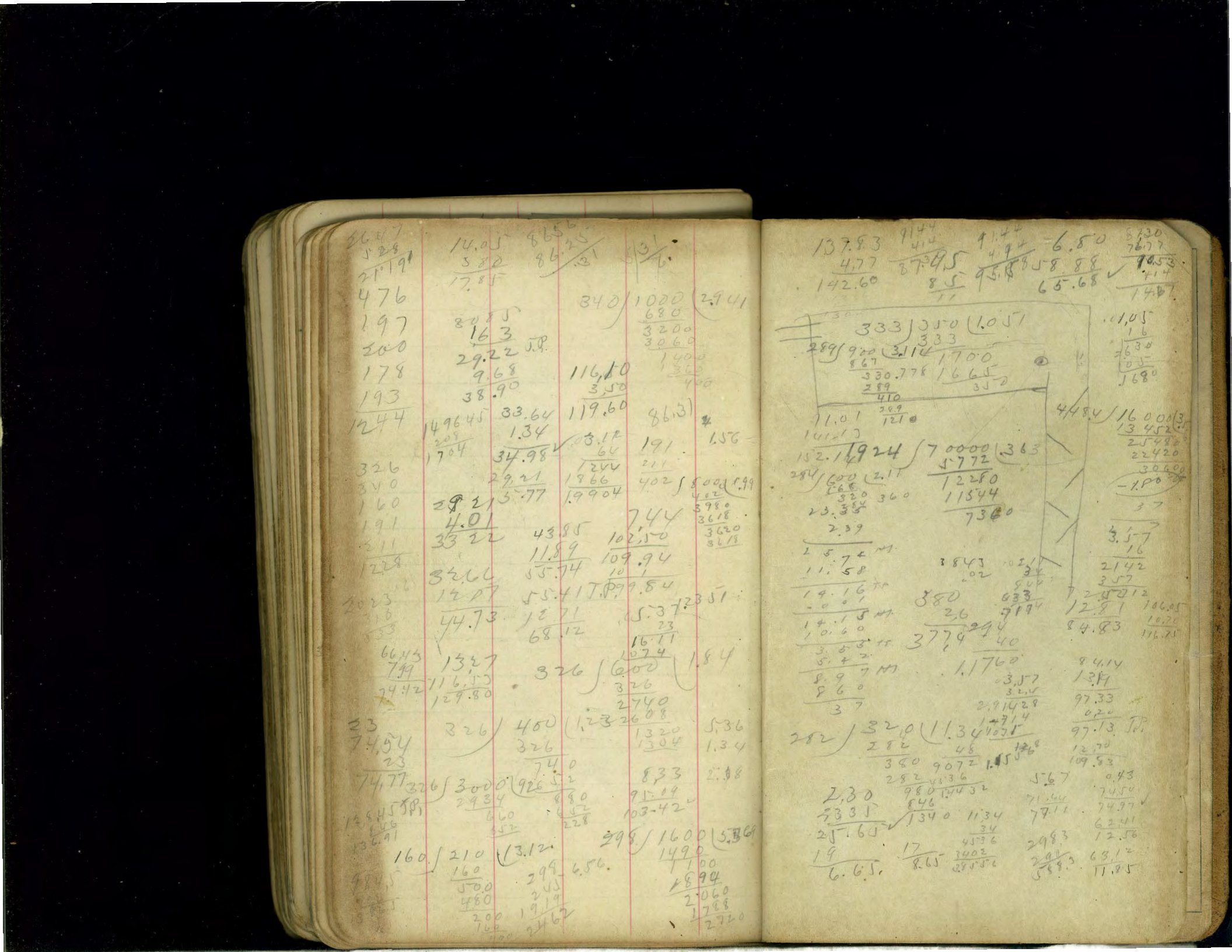


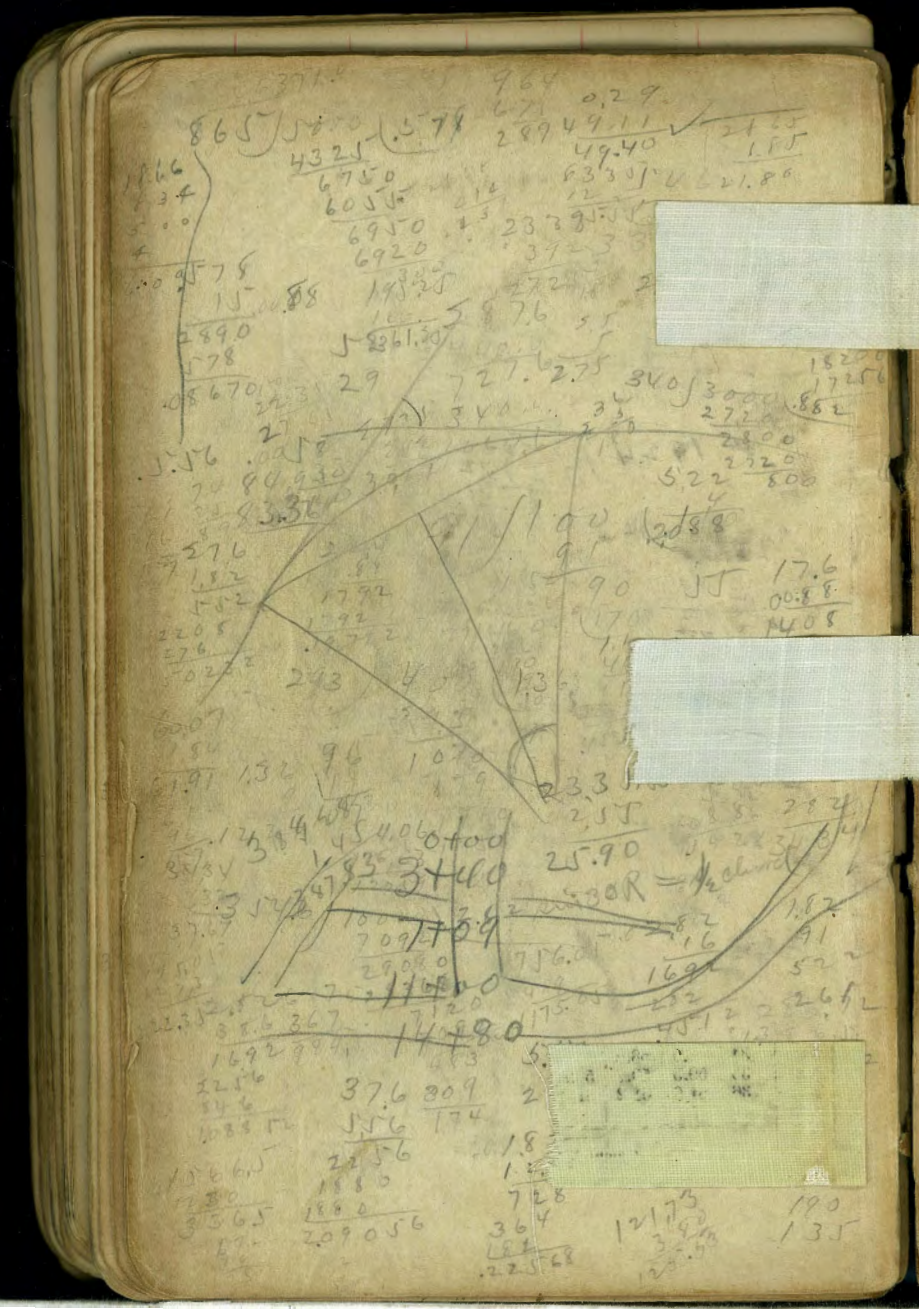
Sta.	H.I.	Rod	Ground Grade	Cut
Cor A	+7.64	2.2	5.4	-5.92	11.3
Cor B		1.6	6.0	-5.92	11.9
" C		9.8	-2.2	-5.92	3.7
" D		10.0	-2.4	-5.92	3.5

POSTED









DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

[redacted] Track Embankment.

[redacted] feet wide. Side Slopes 1½ to 1.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12					25.6	25.8	25.9	26.1	26.2	26.4	12
13					27.1	27.3	27.4	27.6	27.7	27.9	13
14					28.6	28.8	28.9	29.1	29.2	29.4	14
15					30.1	30.3	30.4	30.6	30.7	30.9	15
16					31.6	31.8	31.9	32.1	32.2	32.4	16
17					33.1	33.3	33.4	33.6	33.7	33.9	17
18					34.6	34.8	34.9	35.1	35.2	35.4	18
19					36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	27
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.