

La Jolla 240
Sewer Levels

1475
372

400

LEVEL

F.B.240

240
 Table showing the ~~of latitude and departure in~~
 running 80 chains at any course from 1 to 60 minutes.

MINUTES	LKS.	MINUTES	LKS.	MINUTES	LKS.
1	2 1/3	21	49	41	95 2/3
2	4 2/3	22	51 1/3	42	98
3	7	23	53 2/3	43	100 1/3
4	9 1/3	24	56	44	102 2/3
5	11 2/3	25	58 1/3	45	105
6	14	26	60 2/3	46	107 1/3
7	16 1/3	27	63	47	109 2/3
8	18 2/3	28	65 1/3	48	112
9	21	29	67 2/3	49	114 1/3
10	23 1/3	30	70	50	116 2/3
11	25 2/3	31	72 1/3	51	119
12	28	32	74 2/3	52	121 1/3
13	30 1/3	33	77	53	123 2/3
14	32 2/3	34	79 1/3	54	126
15	35	35	81 2/3	55	128 1/3
16	37 1/3	36	84	56	130 2/3
17	39 2/3	37	86 1/3	57	133
18	42	38	88 2/3	58	135 1/3
19	44 1/3	39	91	59	137 2/3
20	46 2/3	40	93 1/3	60	140

Return to City Engineers Office
 City Hall, San Diego, Cal.
 TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

Angle	COR. IN LINKS	Angle	COR. IN LINKS	Angle	COR. IN LINKS
0		0		0	
4	0.24	11	1.88	18	5.14
5	0.38	12		19	5.76
6	0.55	13		20	6.42
7	0.76	14	3.06	21	7.11
8	0.98	15	3.53	22	7.85
9	1.24	16	4.02	23	8.64
10	1.55	17	4.56	24	9.47
				25	10.54
				26	11.26
				27	12.24
				28	13.37
				29	14.34
				30	15.47
				35	22.07

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240

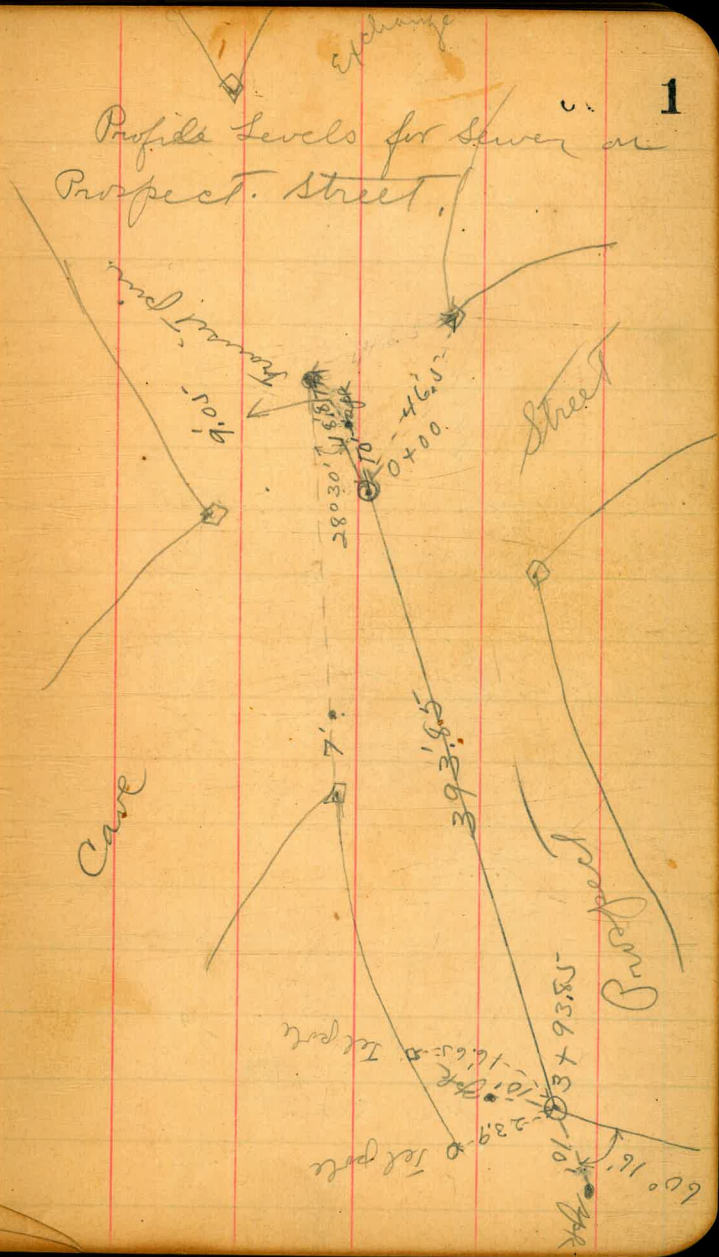
240

SW Cor. E.H.
 SE Cor. of W.H.
 SE
 37.65
 33.20
 48.80
 75.15

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

B	J	C
120	120	120
192	84	84
208	100	52
191	83	86
182	101	77
178	97	85
136	118	106
148	112	100
129	150	81

Profile Levels for Sewer on Prospect Street





Profile levels on Prospect Street				for Sewer		June 4, 1906		Builds Haslam No. 3	
B.M.	Sta.	H.I.		Sta.					
	0+00	0.78	114.34	113.56	7+50		9.7	105.6	
	+50			7.2	8+00		10.2	104.1	
	+75			3.2	+39.95	M.H. Center of section	10.6	103.7	
	1+00			1.5	J.P.	3.97	<u>107.78</u>	103.81	James
	+50			1.9	+50		4.0	103.8	
	2+00			2.6	9+00		3.5	104.3	
	+50			3.4	+50		3.2	104.6	
	3+00			3.7	10+00		3.1	104.7	
	+50			4.4	+50		3.3	104.5	
	+93.85			5.7	11+00		3.7	104.1	
	4+00			5.7	+50		4.4	103.4	
	+50			6.2	12+00		5.4	102.3	
	5+00			7.2	+53	M.H. Center of Herchel	7.1	100.7	
	+50			7.7	13+00		8.5	99.3	
	6+00			8.4	+50		10.8	97.0	
	+50			9.0	J.P.	0.91	<u>98.00</u>	97.09	
	7+00			9.4	14+00		4.5	93.5	

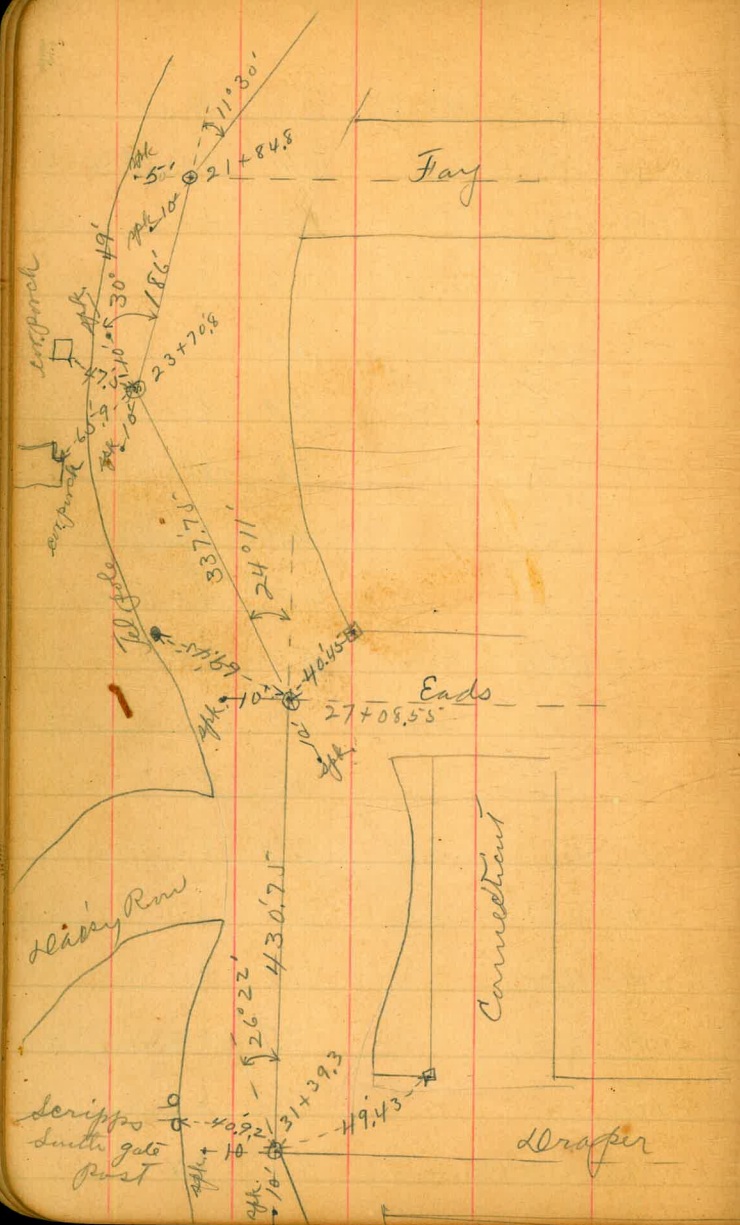
14+50		7.2	90.8
15+00		9.9	88.1
+04		11.0	87.0
+50		6.3	91.7
16+00		3.7	94.3
+50		4.1	93.9
+76.75	M.H. center of Kirard	4.4	93.6
17+00		4.2	93.8
+50		4.2	93.8
18+00		4.6	93.4
+50		4.9	93.1
19+00		4.6	93.4
+50		5.0	93.0
20+00		5.1	92.9
+33.3	M.H. opposite Laford depot.	5.1	92.9

June 6, 1906

H.I.

4

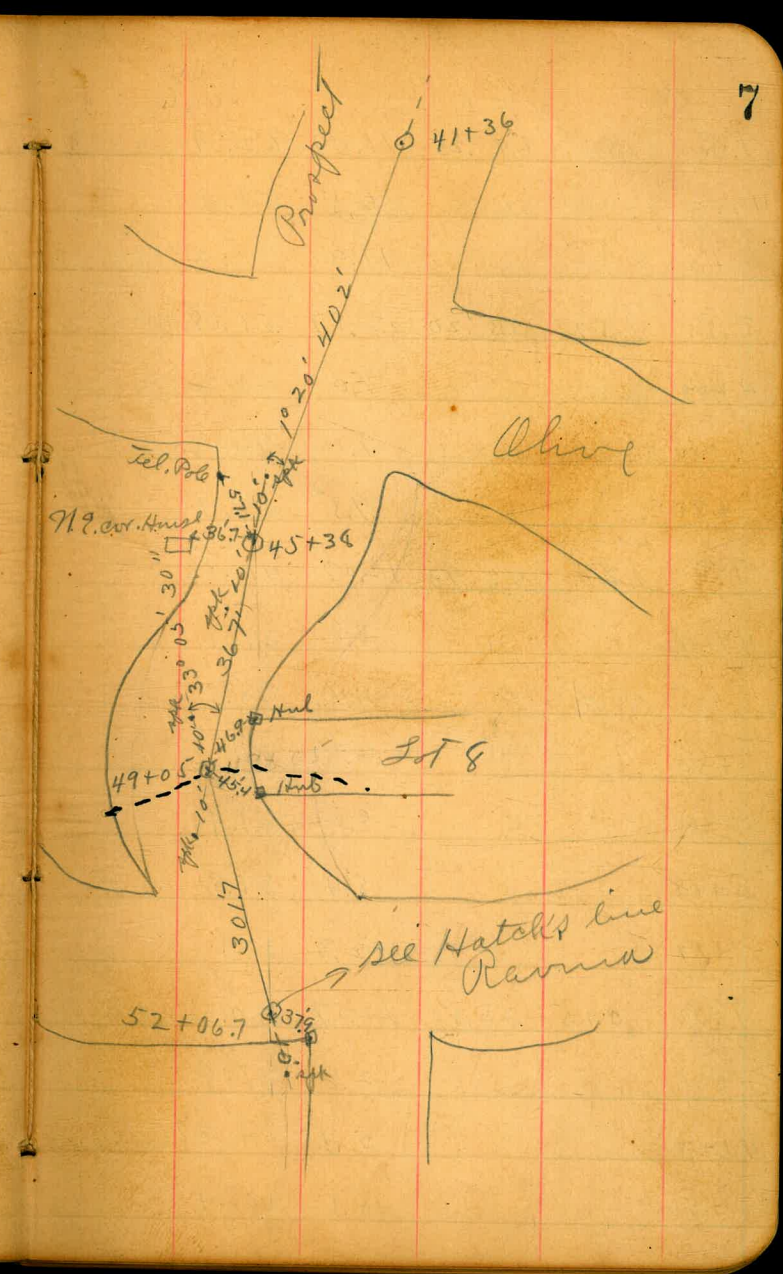
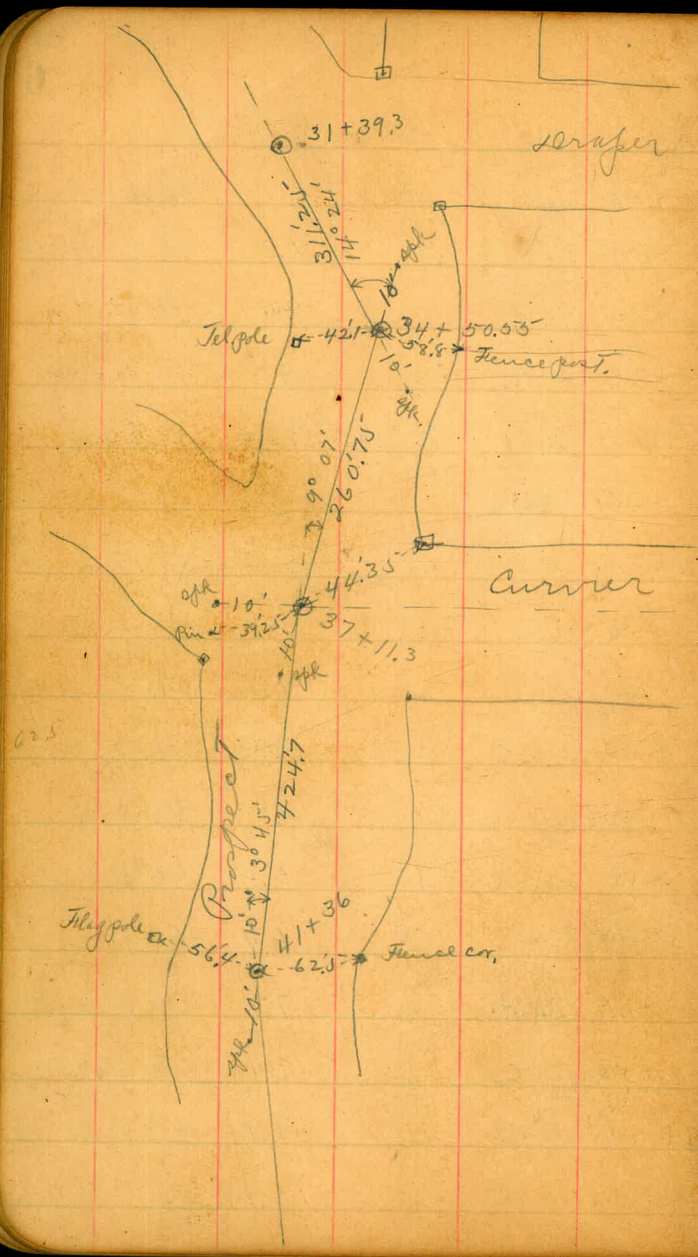
B.M.	185	93.86	92.01
	20+50		1.4 92.4
	21+00		1.7 92.1
	+50		2.8 91.0
	+84.8	M.H. center Hay Street	3.9 89.9
	22+00		3.9 89.9
	+50		3.8 90.0
	23+00		4.1 89.7
	+50		4.9 88.9
	+70.8	M.H.	5.2 88.6
	24+00		5.5 88.3
	+50		6.2 87.6
	25+00		5.4 88.4
	+50		6.6 87.2
	26+00		7.5 86.3
	+50		7.7 86.1
	27+00		7.8 86.0
	+08.55	M.H. center of Ends Street	7.7 86.15



		H.I.		
J.P.	2.90	89.05	7.71	86.15
27+50			3.5	85.5
28+00			3.0	86.0
+50			3.8	85.2
29+00			3.8	85.2
+50			4.8	84.2
30+00			4.9	84.1
+50			4.8	84.2
31+00			6.5	82.5
+39.3	M.H. center of		7.3	81.7
+50	Draper		7.4	81.6
32+00			7.7	81.3
+50			8.4	80.6
+87			8.6	80.4
+88			8.0	81.0
33+00			7.4	81.6
+50			8.6	80.4
34+00			8.9	80.1

34+50.55	M.H.	9.7	79.3
35+00		11.6	77.4
+50		12.1	76.9
+63		11.8	77.2
+70		10.5	78.5
B.M.	4.83	^{H.I.} 81.55	76.72
36+00		2.5	79.0
+24		3.6	77.9
+30		6.0	75.5
+50		6.6	74.9
37+00		6.8	74.7
+11.3	M.H.	6.6	74.9
+50		6.5	75.0
38+00		6.6	74.9
+50		7.0	74.5
39+00		7.6	73.9
+50		8.3	73.2

40+00		8.7	72.8
+50		9.2	72.3
41+00		9.4	72.1
+36	M.H.	9.3	72.2
J.P.	1.70	<u>73.93</u>	9.32
+50		1.8	72.1
42+00		2.5	71.4
+50		3.1	70.8
43+00		4.3	69.4
+50		4.6	69.3
44+00		5.0	68.9
+50		5.2	68.7
45+00		6.4	67.5
+38	M.H.	7.7	66.2
+50		8.4	65.5
46+00		9.9	64.0
+50		12.2	61.7



J.P. 1.86 H.I. 64.25 11.54 62.39

47+00 6.5 57.8

+50 11.9 52.4

J.P. 1.52 53.20 12.57 51.68

48+00 7.0 46.2

+50 9.0 44.2

+80 9.5 43.7

J.P. 1.80 42.93 12.07 41.13

49+00 3.8 39.1

+05 M.H. 4.4 38.5

+50 4.7 38.2

50+00 8.2 37.7

+08 8.4 37.5

+17 12.3 30.6

J.P. 0.15 30.57 12.57 30.36

+50 2.6 27.9

51+00 5.7 24.8

+50 10.1 20.4

51+60 16.7 13.8

J.P. 1.80 42.93 12.07 41.13

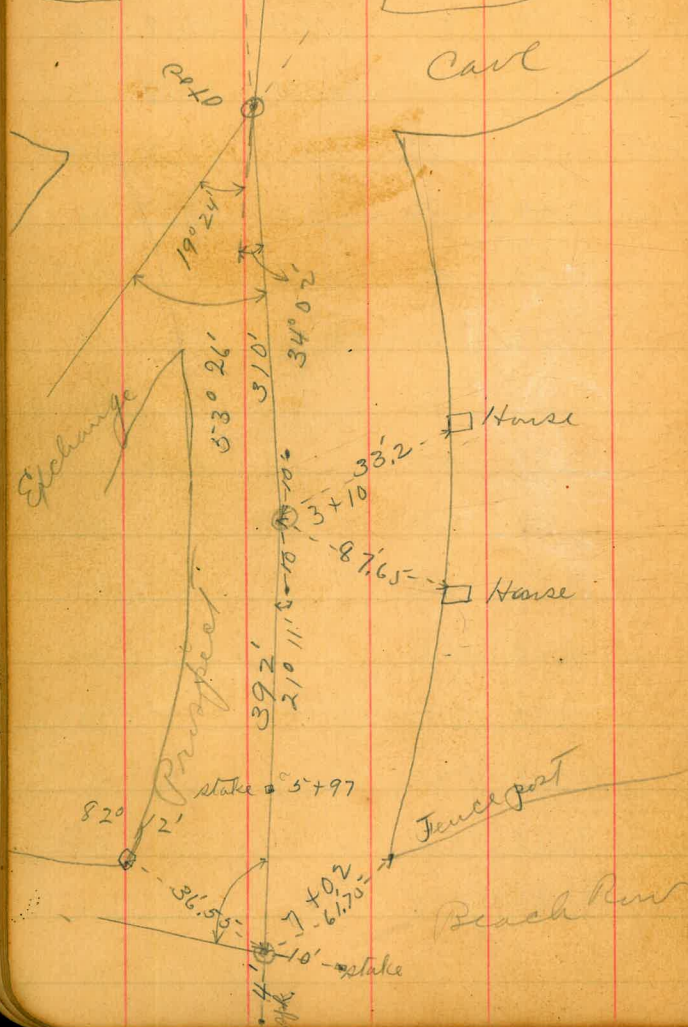
+75 11.0 31.9

+84 5.0 37.9

52+00 3.5 39.4

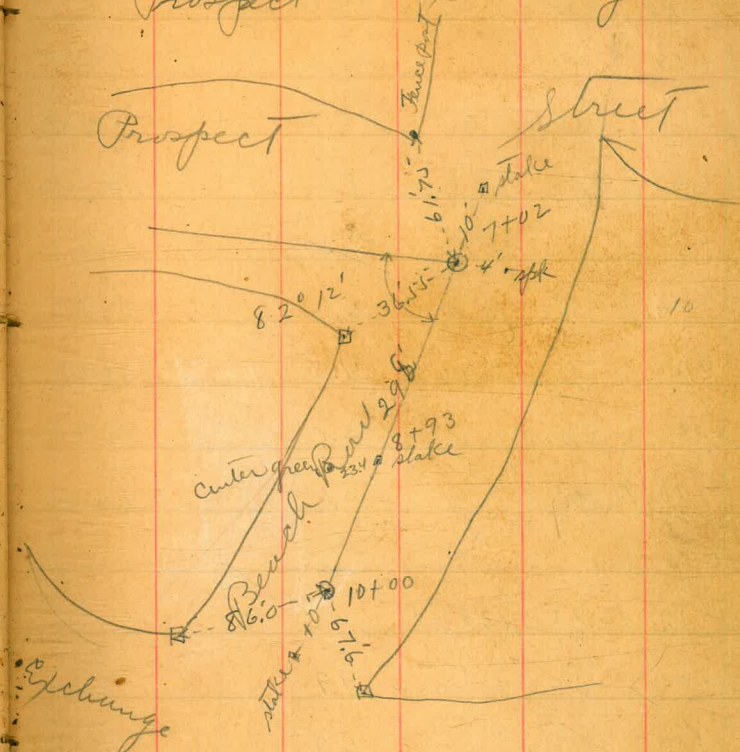
+06.7 M.H. Ramia
street 3.2 39.7

Prospect Street Cave to
Beach Row



Beach Row -
Prospect to Exchange

9



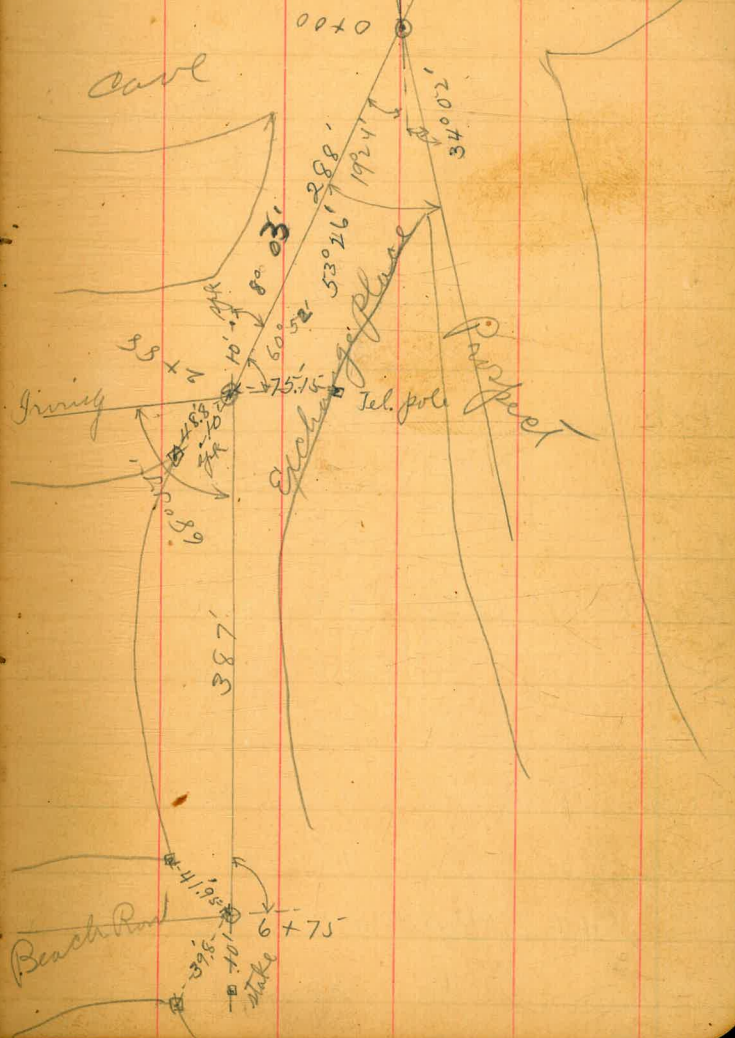
Prospect Street Cave to Beach				
B.M.	12.80	126.36		113.56
0+00			15.3	111.1
0+18			12.6	113.8
+50			10.3	116.1
1+00			8.6	117.8
+50			7.2	119.2
2+00			5.6	120.8
+50			4.5	121.9
3+00			3.0	123.4
+10 M.H.			2.6	123.8
+50			0.7	125.7
T.P.	12.75	138.07	1.04	125.32
4+00			9.9	128.2
+50			6.9	131.2
5+00			3.7	134.4
+50			1.3	136.8
T.P.	8.66	146.54	0.19	137.88
6+00			8.8	137.7
+50			11.2	135.9
7+02 M.H.			14.1	132.4

June 7 1906 10

Beach Road prospect to Exchange.

7+50			8.3	138.2
8+00			3.3	143.2
T.P.	8.08	152.82	1.80	144.74
+50			5.6	147.2
9+00			3.6	149.2
+50			3.1	149.7
10+00	F.I.		4.4	148.4

Exchange cave to
Beach Road



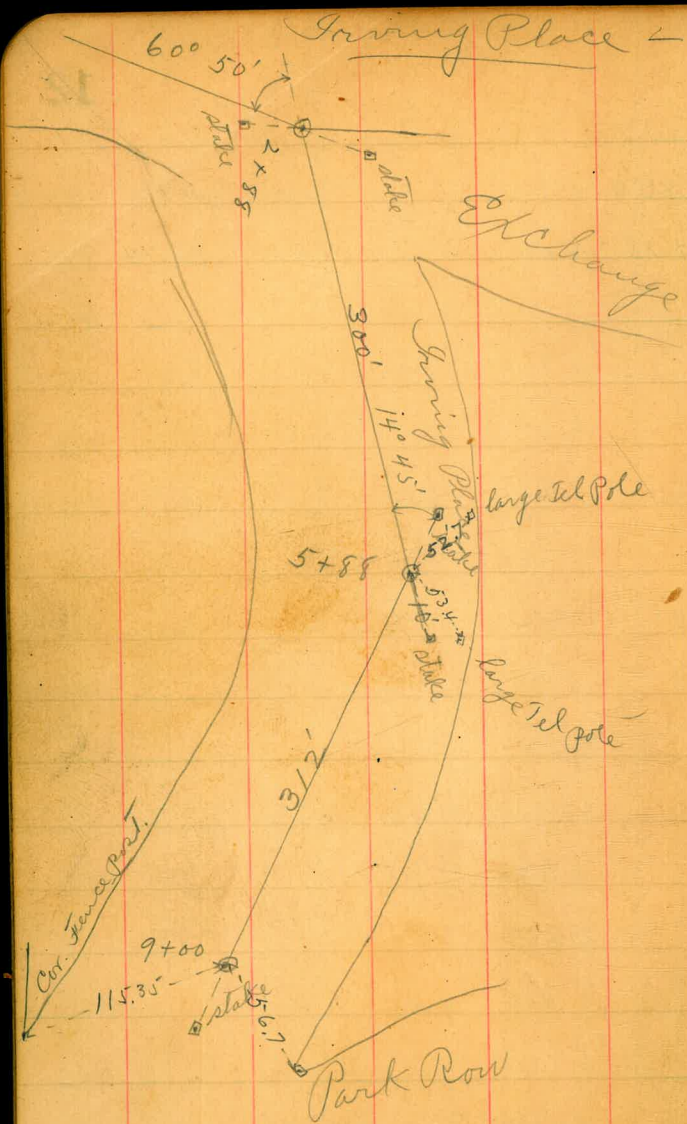
Exchange - Prospect to Beach

				Row
B.M.	12.50	<u>126.36</u>	113.56	6+50
0+00		15.3	111.1	75 M.H.
+50		10.9	115.5	
1+00		9.0	117.4	
+50		7.6	118.8	
2+00		6.3	120.1	
+50		4.5	121.9	
+88	M.H.	3.40	122.96	J.P.
3+00		2.8	123.6	
+50		0.9	125.5	
J.P.	12.75	<u>138.07</u>	1.04	125.32
4+00		10.5	127.6	
+50		7.8	130.3	
5+00		4.6	133.5	
+50		1.1	137.0	
J.P.	8.66	<u>146.54</u>	0.19	137.88
6+00		6.8	139.7	

June 7 1906.

12

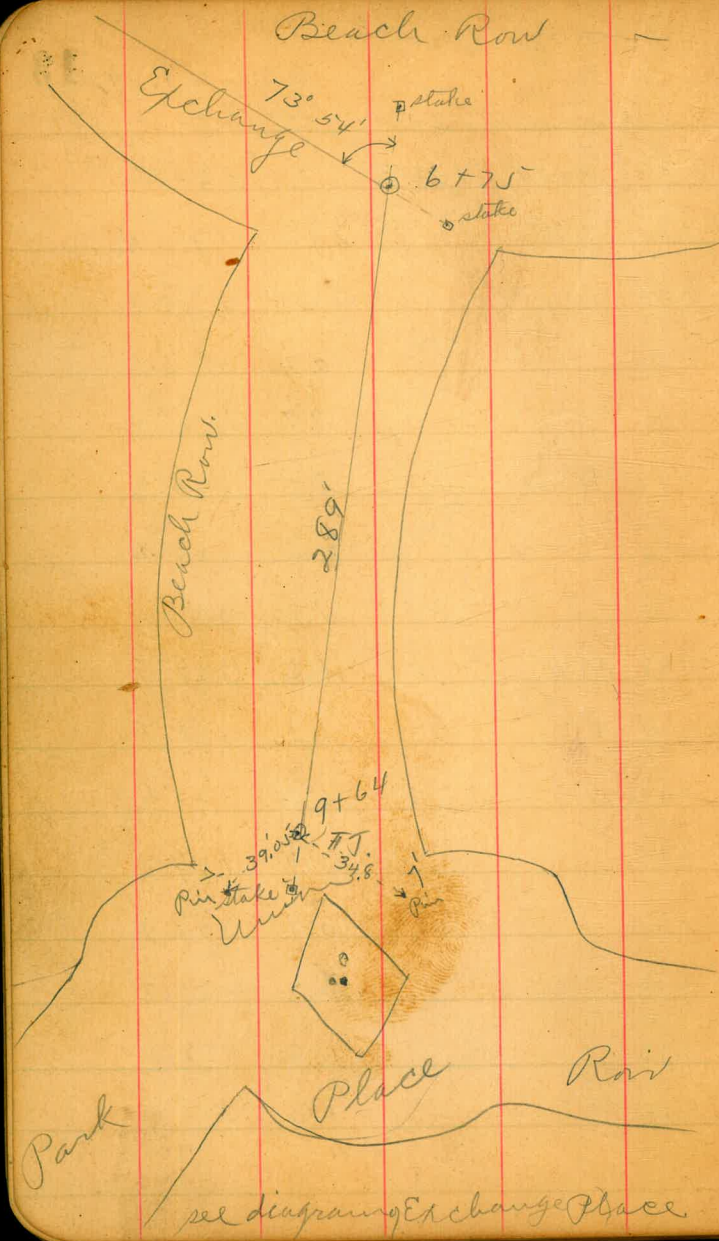
4.0 142.5
1.80 144.74 J.P.



see diagram for Exchange Place

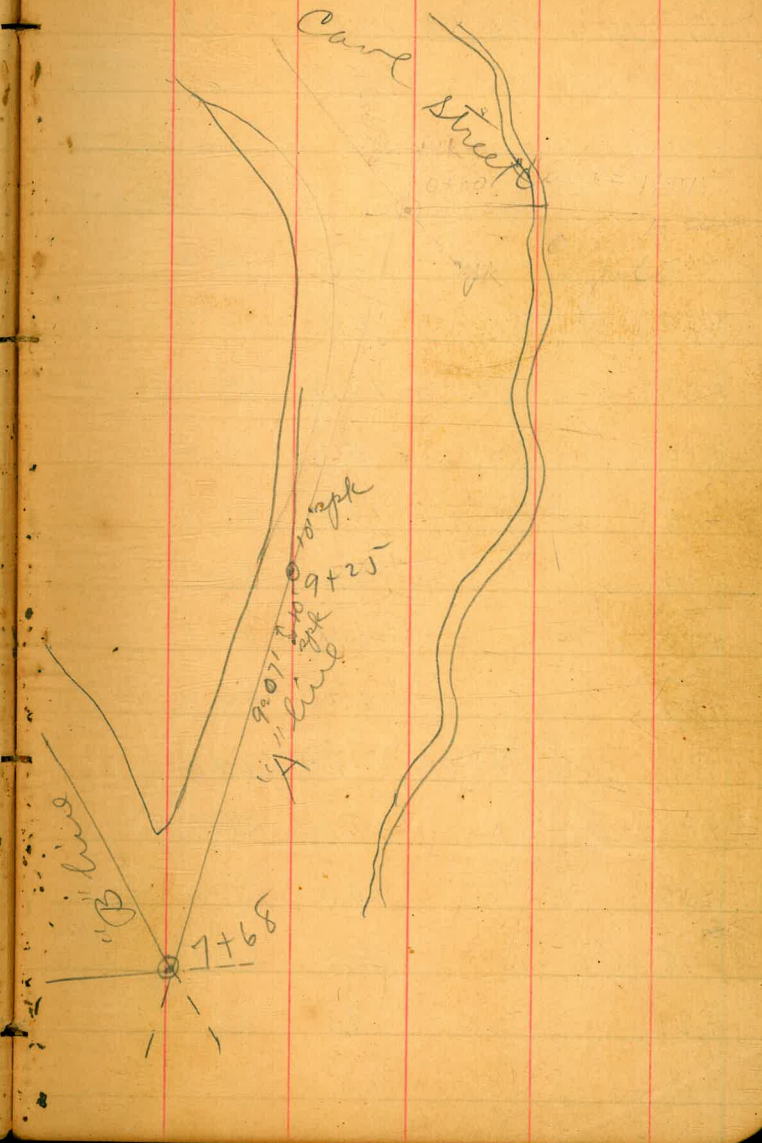
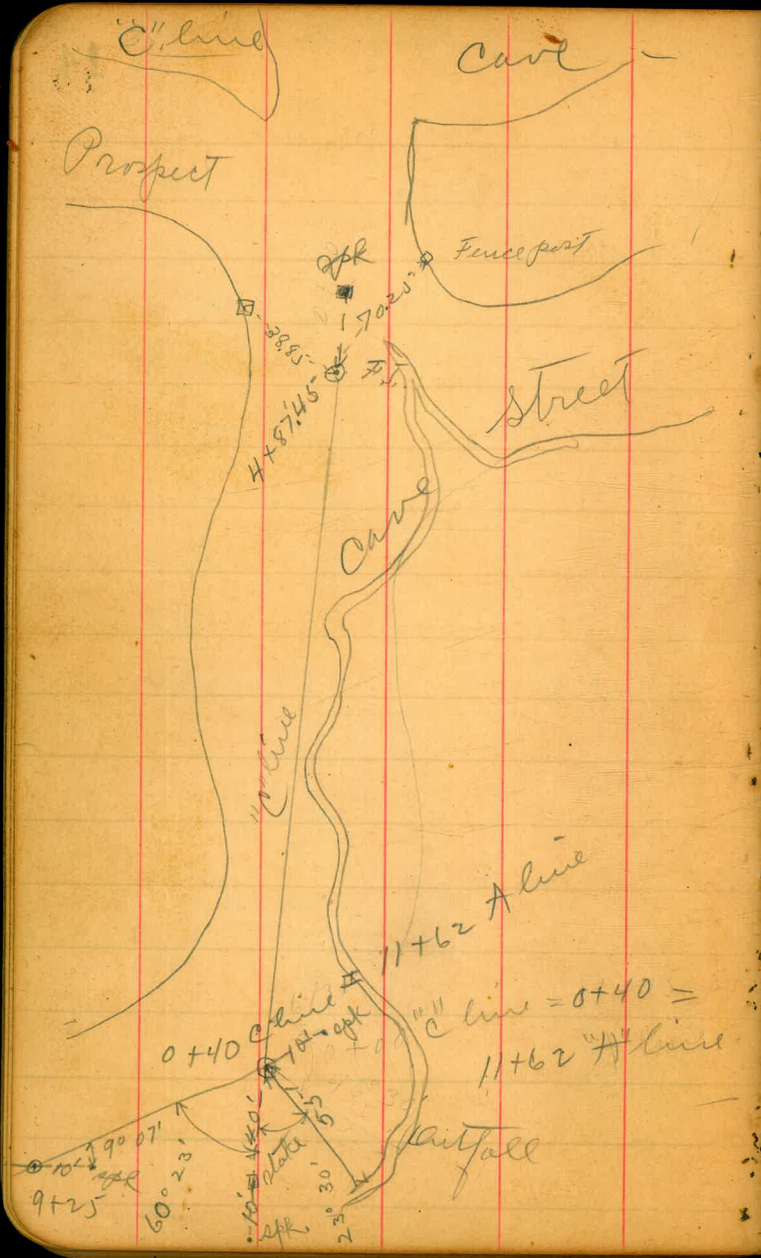
Exchange to Park Row.
June 8, 1900 **13**

		KI	
J.P.	10.79	133.75	122.96
2+88	M.H.	10.8	123.0
3+00		10.5	123.3
+50		10.2	123.6
4+00		9.9	123.9
+50		9.5	124.3
5+00		8.6	125.2
+50		7.2	126.6
+88	M.H.	6.2	127.6
6+00		6.1	127.7
+50		6.2	127.6
7+00		5.9	127.9
+50		5.9	127.9
8+00		6.6	127.2
+50		6.8	127.0
9+00	F.J.	8.0	125.8



Exchange to Park

	N.T.		
J.P.	12.79	<u>157.53</u>	144.74
6+75 M.H.		12.8	144.7
7+00		12.4	145.1
+50		10.4	147.1
8+00		6.9	150.6
+50		5.9	151.6
9+00		4.5	153.0
+50		2.9	154.6
+64 F.J.		2.6	154.9



C line

T.P. 1.46 76.53 12.99 75.07

0+00

+12

2.1 74.4

+50

4.8 71.7

1+00

13.3 63.2

+50

5.3 71.2

2+00

12.6 63.9

+33

3.6 72.9

+50

6.4 70.1

+67

6.2 70.3

T.P. 1.16 88.06 12.59 86.90

3+00

8.2 79.8

+50

10.8 77.2

+78

23.5 64.5

+81

9.5 78.5

4+00

8.5 79.5

16

T.P. 1.55 99.49 12.98 97.94

4+35

10.1 89.4

T.P. 4.16 110.92 12.72 106.76

4+50

15.3 95.6

4+87.45 F.S.

8.1 102.8

State Street - Prospect to cave

		H.I.		
J.P.	6.10	<u>155.84</u>	0.66	149.74
0+00	M.H.		2.0	153.8
+50			3.5	152.3
	→ 712. cur Blk. 49 th E.			
B.M.	12.93	<u>156.40</u>	0.7	137.7
1+00			0.7	149.7
1+50			6.3	144.1
+70			9.3	141.1
J.P.	1.74	<u>139.45</u>	12.69	137.71
2+00			4.9	134.5
J.P.	3.43	<u>130.51</u>	12.37	127.08
+50			8.4	122.1
J.P.	1.64	<u>119.48</u>	12.67	117.84
3+00			8.6	110.9
3+42	M.H.		12.9	106.6
+50			11.9	107.6
J.P.	4.16	<u>110.92</u>	12.72	106.76
4+00			6.5	104.4
+50			8.8	102.1
5+00			6.6	104.3

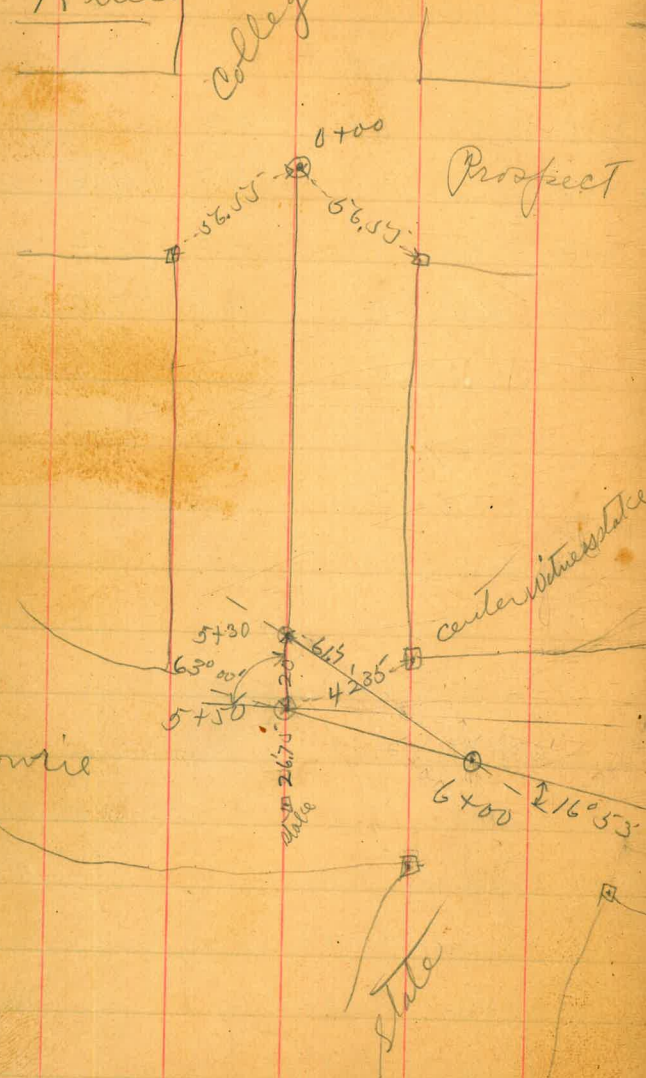
"B" line

June 9th 1906 **17**

		H.I.	
		<u>119.48</u>	
5+50			12.2 107.3
6+00			7.9 111.6
+50			4.3 115.2
7+00.2	M.H.		2.5 117.0

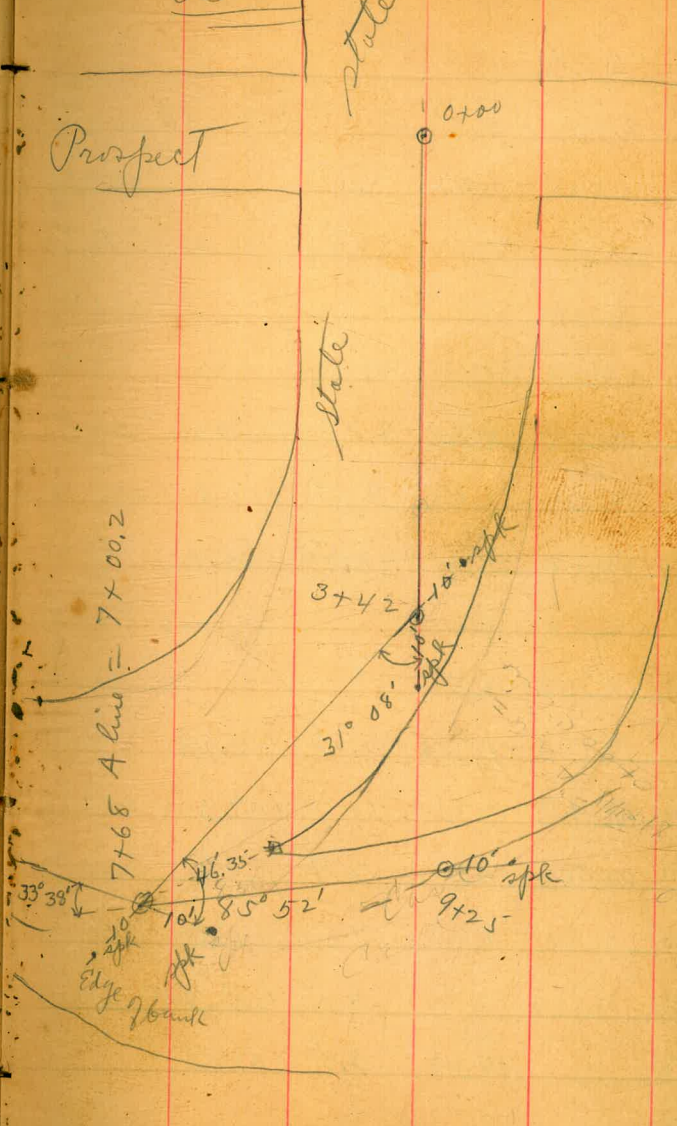
"A" line

College



"B" line

State

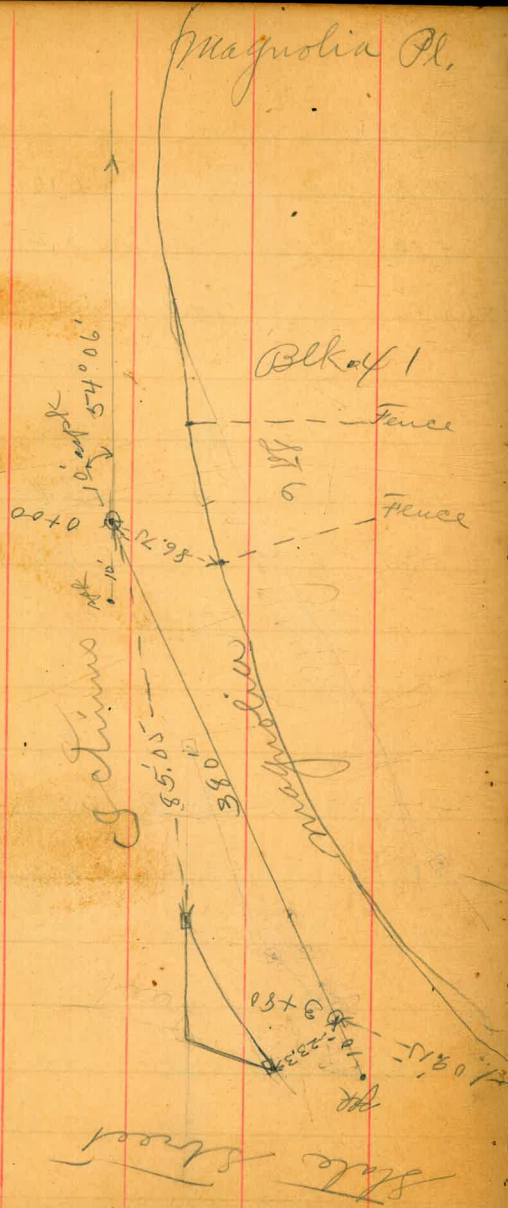


"A" line

J.P.	2.55	118.65	3.25	116.10
7+68				
J.P.	5.30	121.25	2.70	115.95
5+30 M.H.			3.5	117.8
5+50 M.H.?			-2.5	123.8
J.P.	2.55	118.65	3.38	116.10
6+00 M.H.			11.7	107.0
+50 center road			10.9	107.8
7+00			7.5	111.2
+50			3.5	115.2
7+68		^{M.H.} 119.48	2.5	117.0

8+00			6.4	113.1
+50			12.2	107.3
J.P.	4.16	110.92	12.72	106.76
9+00			8.7	102.2
J.P.	0.41	106.38	12.95	105.97
+25 M.H.			7.2	99.2
+50			10.0	96.4
J.P.	0.39	94.24	12.53	93.85
10+00			2.8	91.4
10+50			9.1	85.1
J.P.	3.04	84.55	12.73	81.51
11+00			4.6	80.0
+50			9.2	75.4
+62 M.H.			10.3	74.3
cutfall 55' from M.H.			9.6	75.0

5406
Connecticut



Ictinus to State Street.
June 11, 1906 20

B.M.	0.77	149.01	148.24
0700	M.H.	15.5	133.5
+50		11.9	137.1
1+00		8.4	140.6
+50		5.8	143.2
2+00		5.0	144.0
+50		5.4	143.6
3+00		6.2	142.8
+50		2.9	146.1
+80	F.I.	1.0	148.0

"E" line

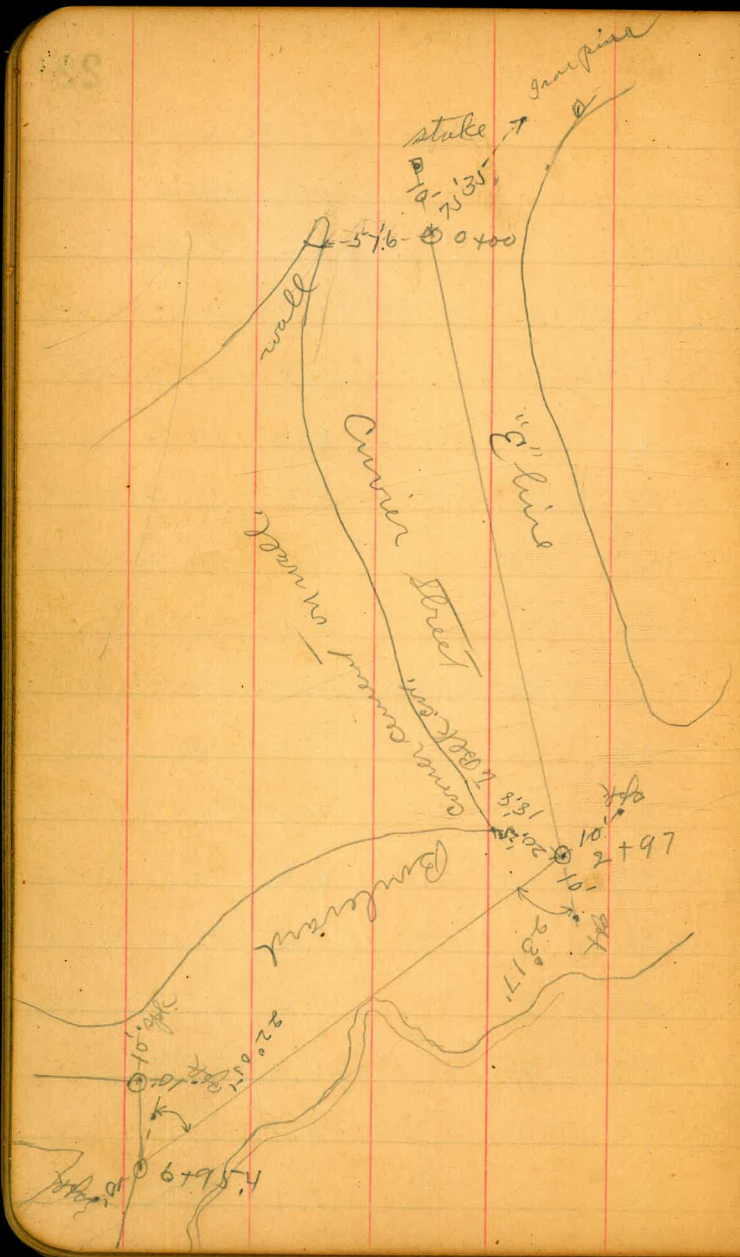
Carrier + Boulevard

B.N.	1.05	<u>77.77</u>	7	76.72
0+00	F.J.		9.3	68.5
+50			11.6	66.2
J.P.	2.09	<u>67.63</u>	12.23	65.54
1+00			6.0	61.6
+50			7.5	60.1
2+00			11.1	56.5
+50			13.2	54.4
J.P.	1.21	<u>56.48</u>	12.36	55.27
+97	M.H.		5.2	51.3
3+00			5.2	51.3
+50			5.5	51.0
4+00			5.7	50.8
+50			7.3	49.2
+63			11.0	45.5
+67			11.9	44.6
+80			8.6	47.9

June 12 1906

22

5+00			9.9	46.6
+50			12.6	43.9
J.P.	2.19	<u>46.89</u>	11.78	44.70
6+00			5.9	41.0
+50			8.3	38.6
+95.4	M.H.		9.7	37.2
7+00			10.0	36.9
+50			12.9	34.0
J.P.	1.44	<u>36.31</u>	12.02	34.87
8+00			3.5	32.8
+50			4.6	31.7
9+00			6.2	30.1
+50			7.6	28.7
10+00			9.2	27.1
+50	M.H.		10.4	25.9
11+00			10.5	25.8
+50			11.0	25.3



36.31

23

12+00	11.9	24.4
+50	12.3	24.0
13+00	12.8	23.5
+43 M.H.	13.4	22.9
+50	13.4	22.9
14+00	15.0	21.3
+34 M.H.	15.4	20.9
outfall 96' from M.H. 16.7		19.6

"F" line

0	2.19	<u>46.89</u>	11.78	44.70
0+00	M.H.		9.7	
+50	M.H.		5.7	
1+00			5.9	
+50			6.3	
2+00			5.9	
+50			6.3	
3+00			5.7	
+50			5.8	
4+00			6.6	
+50			7.2	
5+00			7.2	
J.P.	8.11	<u>48.58</u>	6.42	40.47
+30	M.H.		8.9	
+50			8.9	
6+00			8.3	
+50			7.9	

June 13, 1906

24

7+00		7.6
+50		7.1
8+00		6.5
+50		5.8
9+00		5.0
+15	J.J.	4.8

"H" line

J.P.	11.97	<u>43.52</u>		31.55
0+00			12.0	31.5
+50			10.0	33.5
1+00			7.6	35.9
+50			5.2	38.3
2+00			2.1	41.4
J.P.	8.11	<u>48.58</u>		40.47
+50			3.7	44.9
+87.6	M.H.		1.0	47.6

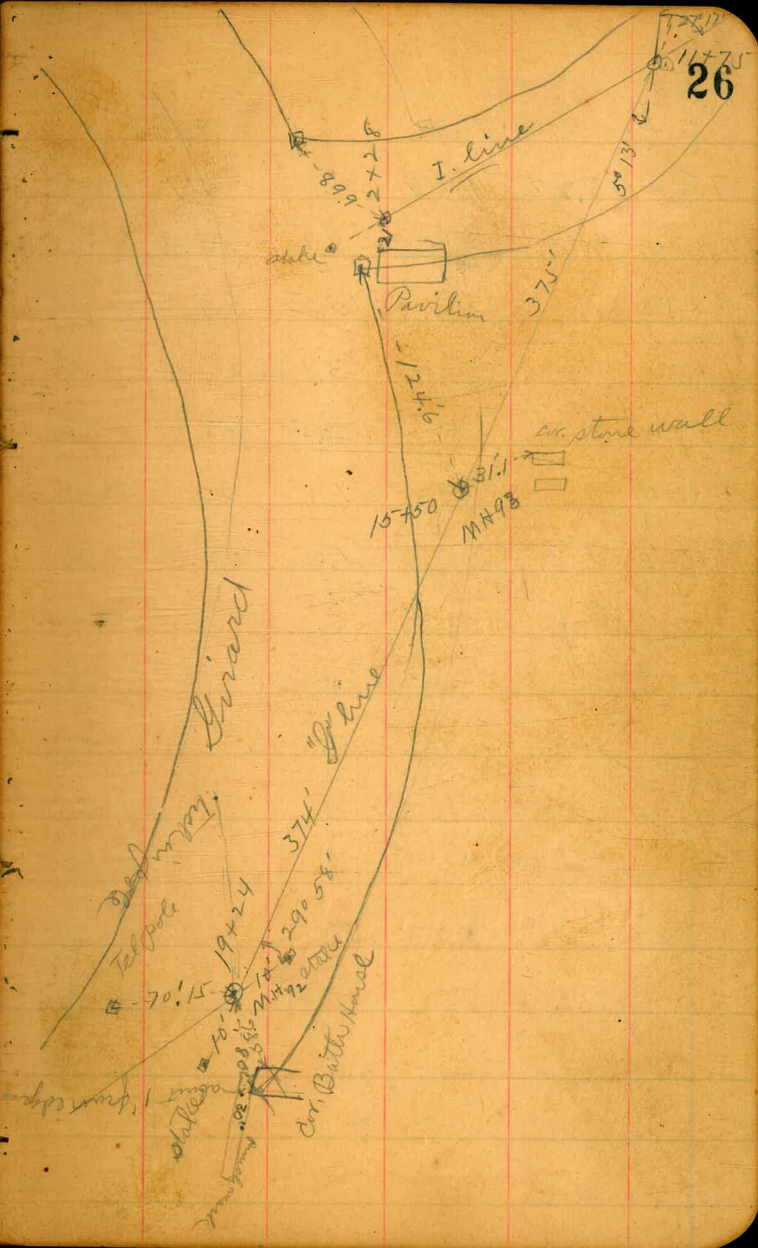
"G" line

HL
36,31

0+00		15.4	20.9
+50		14.3	22.0
1+00		12.1	24.2
+50		11.2	25.1
2+00		9.7	26.6
+50		8.0	28.3
3+00		6.6	29.7
+45	M.H. 96	4.8	31.5
J.P.	8.86 40.41	4.76	31.55
+50		8.8	31.6
4+00		8.4	32.0
+50		8.2	32.2
5+00		7.3	32.9
+50		7.0	33.4
6+00		6.3	34.1
+50		6.2	34.2

June 13, 1906 25

6+75	M.H. 95	6.3	34.1
7+00		6.2	34.2
+50		5.9	34.5
8+00		5.4	35.0
+50		5.5	34.9
9+00		5.3	35.1
+50		5.0	35.4
10+00		4.9	35.5
+50		4.4	36.0
11+00		3.6	36.8
+50		3.1	37.3
+75	M.H. 94	2.6	37.8
J.P.	7.22 44.99	2.64	37.77
12+00		6.8	38.2
+50		6.1	38.9
13+00		5.5	39.5
+50		5.7	39.3

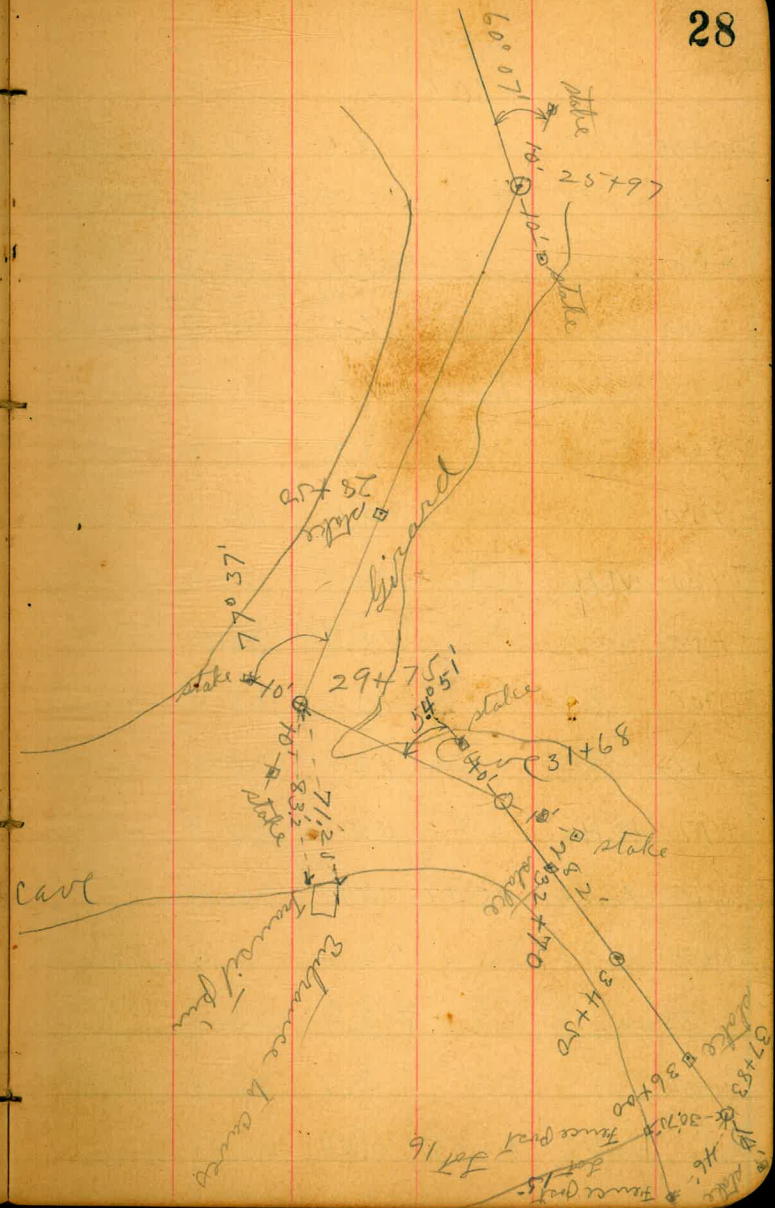
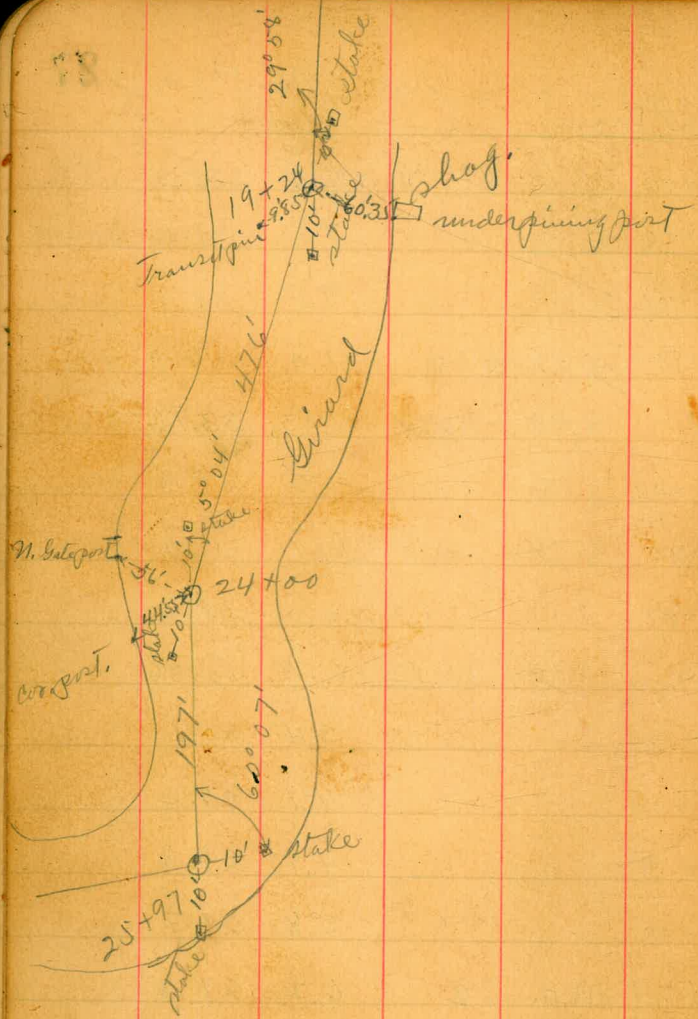


"I" line June 14, 1906

J.P.	7.22	44.99	37.77
0+00	M.H.	7.2	37.8
+50		5.5	39.5
1+00		3.8	41.2
+50		2.5	42.5
2+00		1.5	43.5
+28	F.J.	1.2	43.8

"G" line June 14, 1906 27

14+00	H.I.	44.99	6.5	38.5
+50			7.8	37.2
15+00			9.5	35.5
+50	M.H. 93		11.0	34.0
J.P.	8.99	42.95	11.03	33.96
16+00			10.2	32.8
+50			11.1	31.9
17+00			12.0	31.0
J.P.	3.17	33.53	12.59	30.36
+50			3.4	30.1
18+00			4.1	29.4
+50			4.7	28.8
19+00			5.8	27.7
+24	M.H. 92		6.2	27.3
J.P.	9.68	37.04	6.17	27.36
+50			9.7	27.3
20+00			9.1	27.9



June 14, 1906

H.I.
37.04

20+50			8.6	28.4
21+00			8.3	28.7
+50			7.4	29.6
22+00			6.2	30.8
+50			4.3	32.7
23+00			3.7	33.3
+50			3.1	33.9
24+00	N.H.	92	2.5	34.5
+50			1.8	35.2
25+00			1.5	35.5
+50			1.2	35.8
+97	M.H.	90	0.9	36.1
J.P.	12.82	<u>48.97</u>	0.89	36.15
26+00			12.6	36.4
+33			8.8	40.2
+50			3.7	45.3
J.P.	12.12	<u>60.53</u>	0.54	48.43

June 15, 1906

27+00			8.3	52.3
+50			1.4	59.2
J.P.	11.62	<u>71.47</u>	0.70	59.85
28+00			6.2	65.8
+50			2.8	68.7
+63			2.2	69.3
29+00			3.8	67.7
+50			4.8	66.7
+75	M.H.	88	3.8	67.7
30+00			17.6	53.9
30+03			21.0	50.5
+25			8.5	63.0
+50			6.3	65.2
31+00			3.3	68.2
J.P.	12.92	<u>83.58</u>	0.81	70.66
+50			11.3	72.3
+68	M.H.	87	11.5	72.1

88

H.I.
83.58

32+00			3.7	79.9
J.P.	12.89	<u>96.34</u>	0.13	83.45
+25			9.2	87.1
+50			5.7	90.6
+70			3.2	93.1
33+00			3.3	93.0
+50			2.2	94.1
J.P.	10.68	<u>105.85</u>	1.17	95.17
34+00			7.0	98.8
+50	M.H.		1.1	104.8
J.P.	10.99	<u>115.79</u>	1.05	104.80
35+00			9.5	106.3
+50			5.7	110.1
36+00			0.0	115.8
+50			2.2	113.6
37+00			7.9	107.9
+50			9.0	106.8

June 15, 1906 30

37+83 J.S.

10.5 105.3

Postd.

Contour of Lapolla from
Bath House to Papillon

distance ^{Distance}
to station

Sta. A M.H. 93 angle to cliff Int. Point

True Sighting 16° 10' 520' 427'

M.H. 92. 19° 47' 427' Spt. 537'

26° 11' Wpt. 520'

26° 34' Npt. 548'

19° 47' 672' 429'

26° 47' 672' 340'

34° 32' 602' 260'

46° 42' 407' 200'

49, 39

65° 17' 300' 143' H.I. 37.53

80° 31' 245' 116'

102° 19' 185' 95'

132° 04' 206' 93'

143° 53' 350' 97'

176° 36' 146' H.I. 49.04

Oct. 19, 1906

Childs
Evans
Haslam

31

H.I. 27.87

H.I. 37.53

Levels

Elev.

Rod to cliff Rod Int. Point to cliff Int. Point

4.8 13.3 32.7 24.2

5.2 13.6 32.3 23.9

7.4 12.8 30.1 24.7

7.7 12.1 29.8 25.4

5.2 10.8 32.3 26.7

13.3 9.7 24.2 27.8

11.9 8.2 25.6 29.3

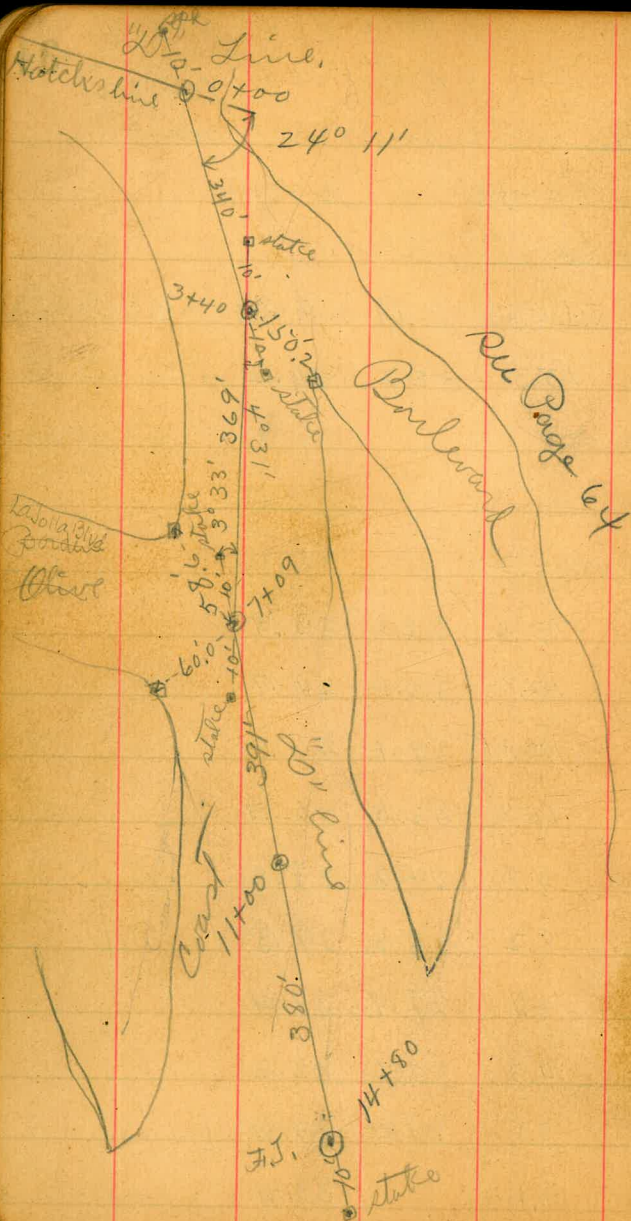
9.6 6.1 27.9 31.4

6.6 4.3 30.9 33.2

9.9 3.5 27.6 34.0

11.1 38.0

see Page 34.



20" line June 13, 1906 32

J.P.	0.47	<u>20.08</u>	10.54	19.61
0+00			12.3	7.8
+15			9.7	10.4
+50			8.4	11.7
1+00			5.4	14.7
+50			4.6	15.5
+74			4.7	15.4
2+00			9.1	11.0
+13			11.0	9.1
+33			2.3	17.8
+50			1.9	18.2
3+00			0.8	19.3
+40	M.H.		0.5	19.6
J.P.	2.36	<u>30.15</u>	12.08	27.79
+50			10.5	19.7
4+00			9.3	20.9
+50			9.0	21.2

		30.15		
5+00			7.3	22.9
+50			6.5	23.7
6+00			5.5	24.7
+50			4.1	26.1
7+00			2.6	27.6
+09	M.H.		2.4	27.8
J.P.	6.22	<u>39.87</u>	11.94	33.65
+50			11.1	28.8
8+00			9.2	30.7
+50			9.6	30.3
9+00			8.1	31.8
+50			7.7	32.2
10+00			7.0	32.9
+50			6.8	33.1
11+00	M.H.		6.2	33.7

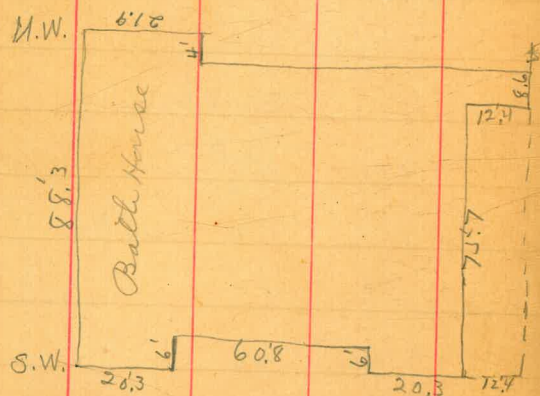
	1.54	<u>45.59</u>		44.05
11+50			11.1	34.5
12+00			10.6	35.0
+50			10.0	35.6
13+00			9.0	36.6
+50			7.7	37.9
14+00			6.7	38.9
+50			6.0	39.6
+80	F.J.		5.8	39.8

1480	1150
1150	
<u>330</u>	1480
198	<u>60</u>
	88800
	<u>198</u>
	690

1500

See Page 31

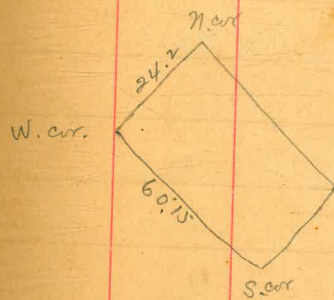
Sta.	angle	distance to cliff	distance to Bottlehouse
M.H. 92	7° 37' R	213'	
Backey lot	0° 40' R	1166'	
M.H. 93	9° 47' L		154' S.E. cor.
	27° 36' L		58.6 S.W. cor.
	65° 26' L		127' N.W. cor.



Oct. 18 1906

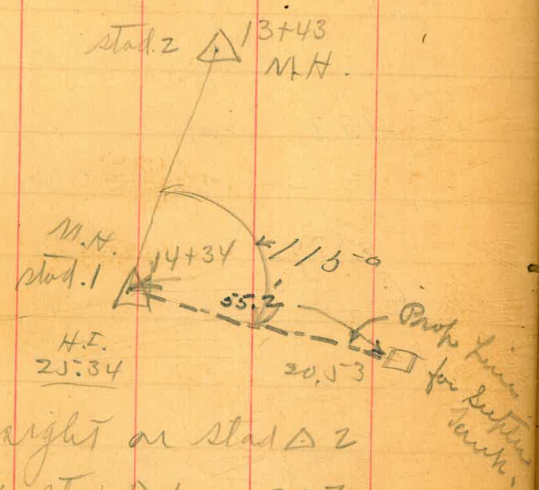
Cliff Evans Haslam 34

H.I.	Rod	Elev.
27.87	3.5	
	3.3	



May 25/07 *Cliff* **35**
Evans
Barber

Levels for contour map of Septic tank at Cathedral Rock



J.P. 4.81 H.I. 21.34 20.53

Δ 1 foresight on Sta. Δ 2
 Elev. Sta. Δ 1 = 20.7

Angle	dist.	Rod	Elev.
0.00'	38'	3.7	21.6
	91'	2.5	22.8
30° L	35'	3.5	21.8
	70'	2.6	22.7
60° L	33'	3.7	21.6
	68'	2.8	22.5

angle	dist.	Rod	Elev.
90° L	40'	4.0	21.3
	103'	2.7	22.6
110° L	26'	4.4	20.9
	56'	4.2	21.1
129° L	24'	4.5	20.8
	55'	4.4	20.9
144° L	27'	4.7	20.6
	57'	5.0	20.3
179° L	34'	5.4	19.7
	52'	5.7	19.6
	68'	6.0	19.3
186° L	34'	5.4	19.9
	45'	5.4	19.9
	47'	7.7	17.6
	61'	7.9	17.4
	63'	5.9	19.4

head of small drain

drain

drain

25.34

angle	dist	Rod	Elev.
186° L	70'	11.3	14.0
	75'	10.9	14.4
	79'	5.9	19.4
190° L	27'	5.4	19.9
	44'	5.4	19.9
	50'	9.5	15.8
	61'	9.2	16.1
	67'	11.2	14.1
	73'	9.9	15.4
	80'	5.9	19.4
	93'	6.3	19.0
203° L	26'	5.2	20.1
	36'	5.6	19.7
	39'	7.2	18.1
	48'	7.0	18.3
	51'	5.3	20.0
	69'	5.8	19.5
	91'	6.2	19.1

25.34

36

angle	dist	Rod	Elev.
205° L	38'	5.7	19.6
214° L	28'	5.3	20.0
	50'	5.6	19.7
	74'	5.9	19.4
	98'	6.3	19.0
216° L	76'	5.7	19.6
222° L	29'	5.2	20.1
	51'	5.6	19.7
	54'	7.2	18.1
	62'	5.8	19.5
	68'	8.6	16.7
	75'	10.0	15.3
	82'	7.0	18.3
	97'	7.5	17.8
	112'	11.8	13.5

angle	dist.	Rod	Elev.
226°L	25'	5.1	20.2
	47'	5.4	19.9
	51'	7.0	18.3
	56'	9.0	16.3
	61'	8.0	17.3
	64'	10.4	14.9
	68'	10.2	15.1
	70'	7.9	17.4
	75'	11.6	13.7
	81'	8.5	16.8
	90'	25.0	0.3
	104'	9.3	16.0
231°L	28'	5.2	20.1
	45'	5.3	20.0
	49'	8.8	16.5
	60'	9.9	15.4
	64'	8.5	16.8

angle	dist.	Rod	Elev.
231°L	70'	12.8	12.5
	72'	11.0	14.3
	76'	13.0	12.3
	77'	24.0	1.3
	102'	27.5	-2.2
	106'	17.9	7.4
233°L	106'	29.0	-3.7
238°L	26'	5.2	20.1
	46'	5.2	20.1
	50'	8.1	17.2
	52'	5.7	19.6
	57'	5.4	19.9
	60'	8.3	17.0
	73'	17.2	8.1
	74'	25.2	0.1

		2534		
angle	dist	Rod	Elev.	
244° L	47'	5.6	19.7	
	56'	5.6	19.7	
	66'	13.1	12.2	
	70'	25.0	0.3	
249° L	42'	5.5	19.8	
	47'	7.4	17.9	
	55'	5.7	19.6	
259° L	22'	4.9	20.4	
	40'	5.5	19.8	
	58'	14.0	11.3	
	59'	24.6	0.7	
263° L	41'	5.4	19.9	
	52'	11.7	13.6	
	59'	7.9	17.4	
283° L	32'	4.7	20.6	
	74'	5.0	20.3	
	90'	17.0	8.3	
	94'	28.0	-2.7	

		2534		38
angle	dist	Rod	Elev.	
290° L	40'	4.9	20.4	
	78'	4.8	20.5	
316° L	32'	4.4	20.9	
	58'	4.5	20.8	
	85'	3.8	21.5	
340° L	34'	4.3	21.0	
	57'	3.6	21.7	
	80'	3.6	21.7	
354° L	33'	4.0	21.3	
	63'	3.3	22.0	
	88'	2.9	22.4	

X sect. cave st. Prospect
see diagram page

0.19 ^{H.L.} 116.29 116.10

North line prospect,

W. line + 15' 10.5 105.8

cb. 17.5 98.8

17.4 98.9

^{116.10}
0.19
116.29

15.7 100.7

13.9 102.4

10.5 105.8

10.4 105.9

8.5 107.8

E. line

sect. on A B

E. line 10.3 106.0

15.4 100.9

10.6 100.7

13.3 103.0

J.P. 1.34 ^{H.L.} 104.58 13.05 103.24

1/4 4.1 100.5

W. line 5.7 98.9

W. line 5.4 99.2

To Girard

55.

104.58

May 11/09

39

Barber
Taylor

section A C

W. line 105.8

6.1 98.5

127 49 99.7

POSTED 2.9 101.7

11.2 93.4

E. line 7.7 96.9

175' So. Girard

E. line 10.8 93.8

C 10.0 94.6

POSTED 6.3 98.3

1/4 7.0 97.6

cb + 6 9.2 95.4

cb + 11 10.0 94.6

W. line 4.7 99.9

4.1 100.5

104.58

150' 20.

W, line		10.8	93.8
w, line + 1'		12.8	91.8
cb		12.7	91.9
cb + 11		9.5	95.1
1/4		11.2	93.6
E, line		12.7	91.9
J.P.	1.30	H.I. 92.83	13.05 91.53

NEXT CO. A C

E, cb		6.0	86.8
-------	--	-----	------

175' 20. Girard

E, cb		8.0	84.8
cb + 8'		8.0	84.8
1/4		4.7	88.1

150' 20.

C		8.4	84.4
		12.9	79.9
E, cb		8.2	84.6

92.83

125' 20.

E, line	9.3	3.1	89.7
		9.2	83.6
		15.2	77.6
C		14.7	78.1
		9.9	82.9
		4.5	88.3

POSTED

W, line		5.4	87.4
---------	--	-----	------

100' 20.

w, line		9.6	83.2
w, cb		9.3	83.5
E, line		9.3	83.5
J.P.	1.57	H.I. 82.95	11.45 81.38
w		100' 20	
w 1/4		6.1	76.9
C		7.8	75.2
1/4		7.3	75.7
E, cb.		4.1	78.9

82.95

75' 20.

E line	7.1	75.9
	8.0	75.0
	8.4	74.6
C	8.7	74.3
	8.8	74.2
	3.4	79.6
w. line	3.2	79.8

50' 20

w. line	5.7	77.3
	6.5	76.5
	8.4	74.6
C	14.3	68.7

25' 20.

C	13.7	69.3
C+6	9.2	73.8
	9.0	74.0
	9.0	74.0
w. line	8.3	74.7

41

so. line Guard

w. line	10.7	72.3
	10.9	72.1
	11.2	71.8
$\frac{1}{4} + 11'$	11.0	72.0
C	13.1	69.9

POSTER

Sewer in alley bet. Cave
from center of stumps northeast.

& Prospect.

Jan. 25/11 } Childs
Taylor 42
Bunker

Sta.		H.I.	Rod	Ground	Grade	Cut
J.P.	4.15	114.71	8.77	110.56		
0+00	M.H. center of stumps & alley, bet. Cave		5.8	108.9	101.75	7.1
750	& Prospect.		5.5	109.2	102.42	6.8
1+00			5.2	109.5	103.10	6.4
750			5.3	109.4	103.77	5.6
2+00			5.2	109.5	104.45	5.1
750			5.1	109.6	105.12	4.5
3+00			4.8	109.9	105.80	4.1
750	F.S.		4.2	110.5	106.47	4.0

tied out 15'

800B	110.56	
	3.62	
	114.18	H.I. 102.42
	101.75	7.1
	12.43	103.10
		7.08
	103.77	104.45
	10.41	9.73
	105.12	105.80
	9.06	8.38
	106.47	
	7.71	
	Feb. 7/11	

Childs
Taylor
Bunker

100.2
232.4
16.5
176.20
139.44
151.060
430 / 2.800.657
2380
2200
2150
500

Sever or prospect from center state
120' South,

June 16/11

Childs 43
Taylor
Bunker

Sta.	J.P.	H.I.	Red	Ground	Grade	cut.
0+00	10.16	<u>158.88</u>	8.4	148.72 150.5	145.00	5.5
+40			7.0	151.9	148.66	3.2
+50			6.0	152.9	149.58	3.3
5.P.	7.27	<u>164.84</u>	1.31	157.57		
1+00			6.0	158.8	154.16	4.6
+20			3.7	161.1	156.0	5.1

120/11 00 9.16
10 40
2 00 40
1 20 3164°
500
4.58

Sta.		H.I.	Rod	Grade
J.P.	5	1.19	35.29	34.10
J.P.		2.99	26.08	23.09
0+00	m.H. constructed			18.00
+46				18.18
+61				18.24
+79				18.32
+97				18.40
1+15				18.48
+33				18.56
+51				18.64
+69				18.72

Mar. 25/13 ⁰⁵ Childs 44
Taylor
Allen

2608	H.I.	18.24
18.18		7.84
7.90		
18.32		18.40
7.76		7.68
18.56		18.72
7.52		7.36
		1.48
		5.96

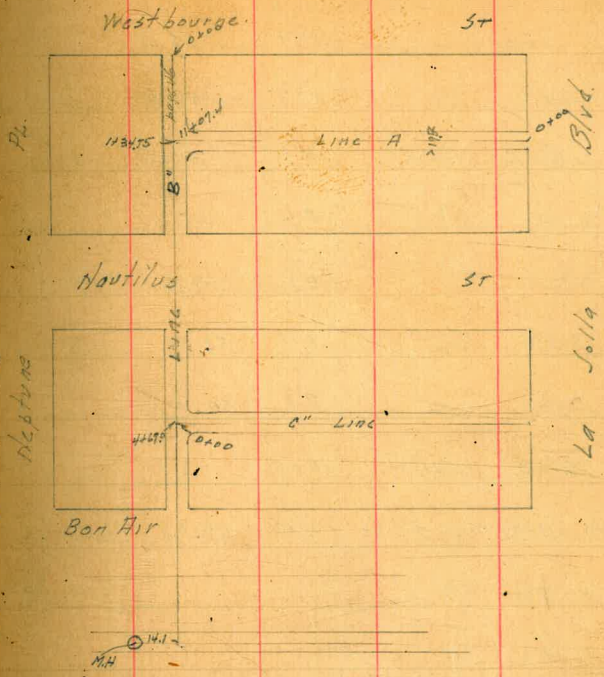
3/7/28

Gregory
Meters
S.M.M.
S.M.M.

Pelican tower & Alley
bet Westbourne & Nautilus
west of La Jolla Blvd

on BM	6.25	75.11	68.86
TP	7.63	82.24	74.61
0+00	W. La Jolla Blvd		3.7 78.5
+50		5.4	76.8
1+00		6.8	75.4
+12		6.7	75.5
+40		8.1	74.1
2		9.5	72.9
+50		10.6	71.6
3		11.6	70.6
TP	0.94	70.25	12.83 69.41
+50		0.9	69.1
4		1.8	68.5
+50		3.1	67.2
5		4.2	66.1
+50		5.2	65.1
6		6.4	63.9
+50		7.3	63.0

BP NW
Gravilla &
La Jolla



7	8.0	62.3
+50	9.2	61.1
8	10.1	60.2
+50	11.0	59.3

9			11.9	58.4
+45			12.7	57.6
T.P.	0.52	58.40	12.67	57.58
10			2.6	55.8
+50			4.8	53.6
+85			6.4	52.0
11			8.1	50.3
T.P.	6.33	54.44	10.29	48.11
+0740	= 1+34.76 on 8" Line		4.88	49.56 on stub.

127.0
20
767
269
197.5
267.0

B. Line
= 2 Alley running N. + S E. of
Neptune PL.

46

54.44 from preceding page.

0+00 = SL Westbourne	7.7	46.7	5' Lower
+50	6.4	48.0	
1	5.7	49.7	
+34.76 = 11+07.4 on A Line	4.88	49.5	on stub.
+50	4.6	49.8	25' W 10' AS Lower
2	3.5	50.9	
+50	3.6	50.8	
+99.5 = 6 Nautilus	3.9	50.5	25' W 10' AS Lower
-3+50	3.5	50.9	
4	3.3	51.1	
+50	4.1	50.3	
+67.0 = 6 Alley N. of Bon Air.	4.34	50.10	on stub.
5	5.1	49.3	50' W 10' AS Lower
+50	6.9	47.5	
6	10.4	44.0	
T.P.	076	42.30	17.90 41.54
+15	0.1	42.2	

+45	0.4	41.9
+75	3.8	38.5
+100	8.2	34.1
+12	11.0	31.3
+18	14.3	28.0
+25	9.4	32.9
+42	5.7	36.6
+59.8 = 6 Alley S. of Bon Air =	5.5	36.8
	14.55	29.75

14.5 E. of present M.H.

+ 59.8 = 6 Alley S. of Bon Air =

= Flow line M.H.

"C" Line

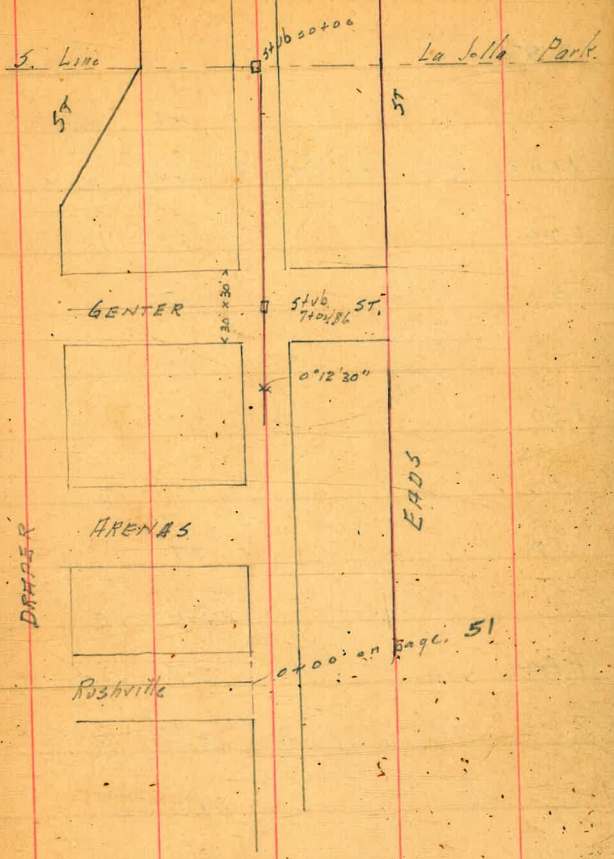
Alley No. S. of 6700 # Line	20+00 =	10.61	60.71	50.10	at stub of 20
+50				9.6	51.1
1				9.2	51.5
+54				8.7	52.0
+85				11.0	49.7
2				9.8	50.9
+22				9.0	53.7
+50				6.4	54.3
3				4.7	56.0
+50				3.5	57.2
4				1.8	58.9
+50				0.6	60.1
T.P.	1240	72.98	0.13	60.58	
5				11.6	61.4
+50				10.4	62.6
6				9.3	63.7
+50				8.2	64.8

7			6.7	66.3
+50			5.6	67.4
8			4.4	68.6
+50			3.0	70.0
9			1.7	71.3
T.P.	868	8039	1.27	71.71
+50			7.8	72.6
10			6.5	73.9
+50			5.2	75.2
11			3.8	76.6
+07.5	= Mt. La Jolla Blvd.		3.5	76.9
chk Ad			5.81	74.58

= 74.61 T.P.

2/7/22 Grassy. Preliminary Sewer
& Alley bet Draper and Eads
across St. La Jolla Park S.

on BM.	12.01	103.89	91.88	56k in pole SE Part = Draper
T.P.	12.59	115.99	0.69	103.20
0+0.0			8.60	107.19 or stub.
+50			7.4	108.4
1			5.7	110.1
+50			4.2	111.6
2			3.4	112.4
+50			2.1	113.7
3			1.0	114.8
T.P.	11.17	126.44	0.52	115.27
+50			10.1	116.3
4			9.3	117.1
+50			8.7	117.7
5			8.1	118.3
+50			7.9	118.5
6			7.3	119.1
+50			5.7	120.7
+75			4.9	121.5



17644

			52	121.2	
			45	121.9	
7			44	121.97	on stub
	+04.86	- Center $\Delta 0^{\circ} 12' 30''$ P.			
	+20		51	121.3	
	+50		43	122.1	
8			40	122.4	
	+50		35	122.9	
9			32	123.2	100' W = 5.6 Lower
	+50		28	123.6	
10			26	123.8	
	+50		25	123.9	
T.P.	5.80	129.66	2.58	123.86	
11			46	125.1	
	+50		42	125.5	100' W = 7' Lower on stub
12			33.5	126.31	
	+50		49	124.8	
13			64	123.3	
	+50		73	122.4	

17644

82 121.5

50

$$\begin{array}{r} 70486 \\ 20 \\ \hline 67486 \\ 60486 \\ 58786 \end{array}$$

2/7/24 Gregory Preliminary Sewer
 @ Rushville ST
 from W.L. of Alley E. of Draper.
 To La Jolla Blvd
 129.66 H.S. from page 50
 on d. by Alley 5.2 124.5

W.L. Alley E. of Draper 0+00			5.8	123.9	
+50			9.4	120.3	
TP	0.24	116.92	12.98	116.68	
1			1.1	115.8	
+50			4.9	112.0	
2			9.4	107.5	
+18			9.9	107.0	
+30			11.6	105.3	
+45			10.2	106.7	
+50			10.4	106.5	
3+00	= 6 Draper		10.58	106.34	on stub
+12			10.4	106.5	
+45			11.4	105.5	
+50			11.7	105.2	
+90			12.2	104.7	
4			12.8	104.1	
TP	0.77	105.58	12.11	104.81	

51

+50			3.7	101.9	
5			6.1	99.5	
+50			8.6	97.0	
6			11.7	93.9	
TP	1.95	94.55	12.98	92.60	
+12			2.0	92.6	
+45			2.7	91.9	
+50			3.6	91.0	
7			5.7	88.9	
+42			7.3	87.3	
+50			6.7	87.9	
+60			7.1	87.5	
+68			8.6	86.0	
8			9.6	85.0	
+50			11.5	83.1	
TP	0.94	82.78	12.71	81.84	
9			2.8	80.0	
+50			5.2	77.6	

8278

10

7.0

75.8

+39

8.7

74.1

+41

10.3

72.5

+63 = Edge of paring on Blvd.

13.11

69.67

52

2/9/21 Gregory Preliminary Sewers
 2 Alley B/134-11 and 14
 FT Scripps Addition

Edge of paving Ln 20+00	82.78	HD from page 52							
		14.49	68.29	= Edge paving	5		10.8	96.1	
+05.0		14.5	68.3		+50		8.4	98.5	
+07.0		13.6	69.2		6		5.5	101.4	
+30		12.5	70.3		+50		2.7	104.2	
+60		11.0	71.8		+70		1.1	105.8	
1		9.1	73.7		7		0.1	106.8	
+50		5.9	76.9		T.P	13.08	119.10	0.90	106.02
2		3.5	79.3		+43		9.9	109.2	
+50		1.9	81.1		+50		10.3	108.8	
T.P	12.17	94.20	0.75	82.03	8		7.5	111.6	
3		10.4	83.8		+50		5.5	113.6	
+50		7.3	86.9		9		3.2	115.9	
+90		4.8	89.4		+50		0.9	118.2	
4		5.4	88.8		T.P	8.37	126.73	0.74	118.36
+08.0		3.3	90.9		10		6.8	119.9	
+50		0.7	93.5		+50		4.6	122.2	
T.P	13.10	106.92	0.38	93.82	+74 =	6.46	126.73	3.7	123.0
								4.80	121.93

= 8+85 page 50 this book.

6.46/ E. of Draper

on stub
 & center
 page 50

1334

54

103.97

Sect. on c~~A~~

White		105.9	
w. line + 10'	3.7		
cb	6.4	97.6	
	5.6	98.4	
c	8.0	96.0	
	11.9		
	17.1		
	19.6		
E. line	7.0	97.0	
	175' So. Road		
E. line	10.9	93.1	
c	13.0	91.0	
	9.1		
	8.3		
cb + 6'	8.8		
cb + 10'	3.7		
White	2.7	101.3	
	150' So.		
White	8.7	95.3	
White + 3	12.1		
cb	11.5		
cb + 5'	11.2		

114

103.97

56

E. line		114	92.6
J.P.	105	H.F. 93.20	12.82
		150' So.	91.15
w 1/4		4.6	88.0
c		8.4	84.8
		14.0	
cb		9.8	
	175' So.		
E. 1/4		7.1	
E. cb.		9.8	
	125' So.		
White		4.9	88.3
		4.7	
		11.8	
c		16.0	77.2
		15.7	
1/4 + 9		13.3	
cb		9.5	
E. line		4.9	88.3

93.20

100' So.

Elise	10.7	82.5
cb	15.2	
	17.6	
C	17.6	76.6
	15.8	
	10.1	
cb + 2'	8.5	
White	9.4	84.8

75' So.

White	12.8	80.4
White + 11'	12.1	
cb	14.1	
J.P. 0.33	11.85	81.35
1/4	7.6	74.1
⊙	7.5	74.2
	7.2	
	6.6	
Elise	5.9	75.8

81.68

50' So.

Elise	9.8	72.9
	12.2	
	21.0	
C	13.1	68.6
	7.4	
1/4 + 8'	7.4	
cb	5.2	
cb + 3'	3.5	
White	3.7	78.0

25' So.

White	6.3	75.4
White + 11'	6.2	
cb	7.3	
	7.9	
⊙	13.7	64.0
Soline Girard 20 E. in fig 1		
White	8.3	74.6
	8.4	
	8.8	
1/4 + 9'	9.1	

57

196.7
198

8168

C		11.8	69.9
J.P.	156	H.I. 70.55 25' So.	126.9 68.99
E line		3.8	66.8
cb+5'		9.4	
1/4		17.8	
1/4+6'		9.3	
		2.9	
No line Girard			
E 1/4		10.4	
cb		20.0	
E line		12.8	57.8

POSTED

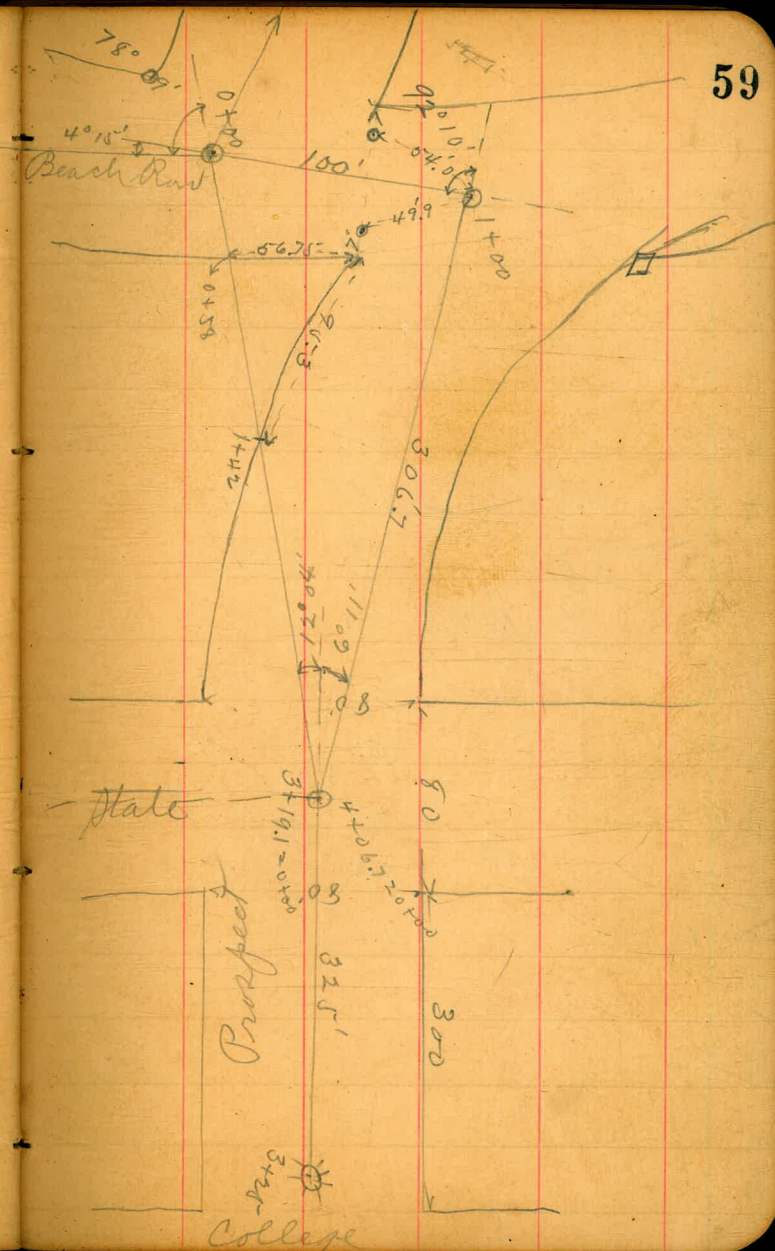
78° 09' 40" 15"

58

Proposed Sewer on Prospect Beach Road to College

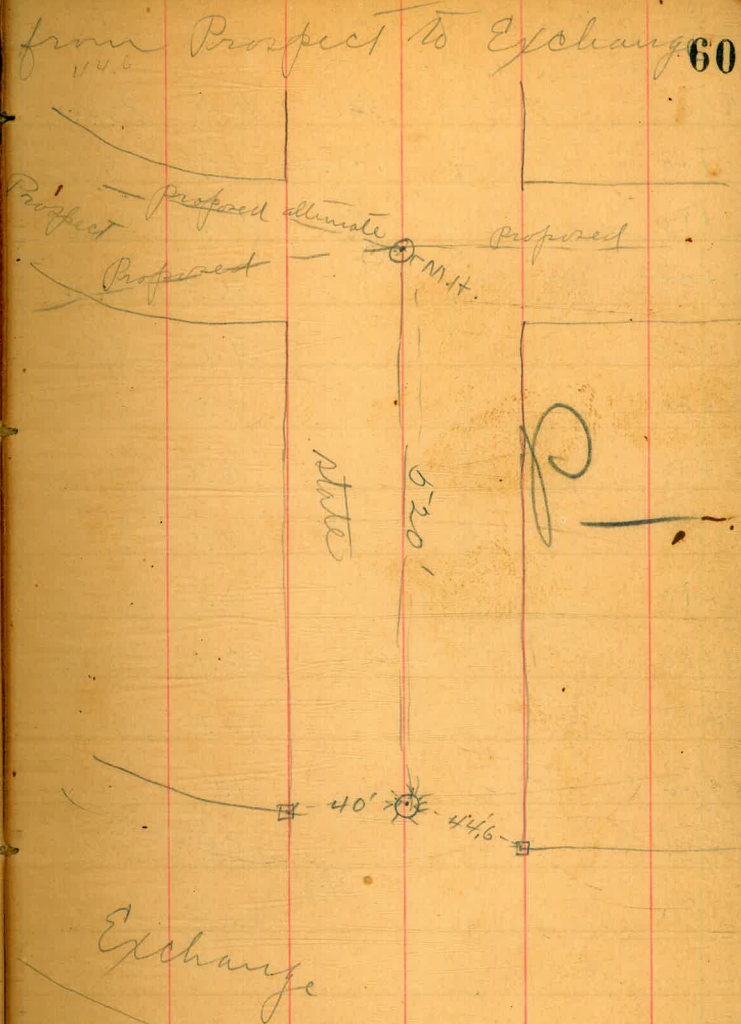
0+00	M.H. at Beach Road	H.I. 1416.1	11.6	130.0
+43			10.3	131.3
+44			9.4	132.2
+58			9.3	132.3
1+00			6.4	135.2
+41			0.1	141.5
+42			2.0	139.6
+91	H.I. 155.67		12.7	143.0
2+00			12.8	142.9
+50			8.5	147.2
+80			6.3	149.4
+94			6.9	148.8
3+00			6.6	149.1
3+19.1	M.H. center state		5.2	150.5
alternate line				
0+00	M.H. Beach Road	H.I. 1416.1	11.6	130.0
+50			11.7	129.9
1+00	M.H. Beach Road		12.3	129.3

	H.I.		130.6
1+50	141.61	11.0	134.6
2+00		7.0	138.6
+50		3.0	143.3
3+00	H.I. <u>155.67</u>	12.4	147.8
+50		7.9	149.0
+69		6.7	148.5
+83		7.2	150.1
4+00		5.6	150.5
+06.7	M.H. center State	5.2	150.5
0+00		5.2	151.0
+26		4.7	153.0
+50		2.7	159.0
1+00	H.I. <u>167.41</u>	8.4	165.1
+50		2.3	171.3
2+00	H.I. <u>180.11</u>	8.8	177.5
+50		2.6	183.9
3+00	H.I. <u>189.42</u>	5.5	187.2
+25	F.J. 15' west of College	2.2	



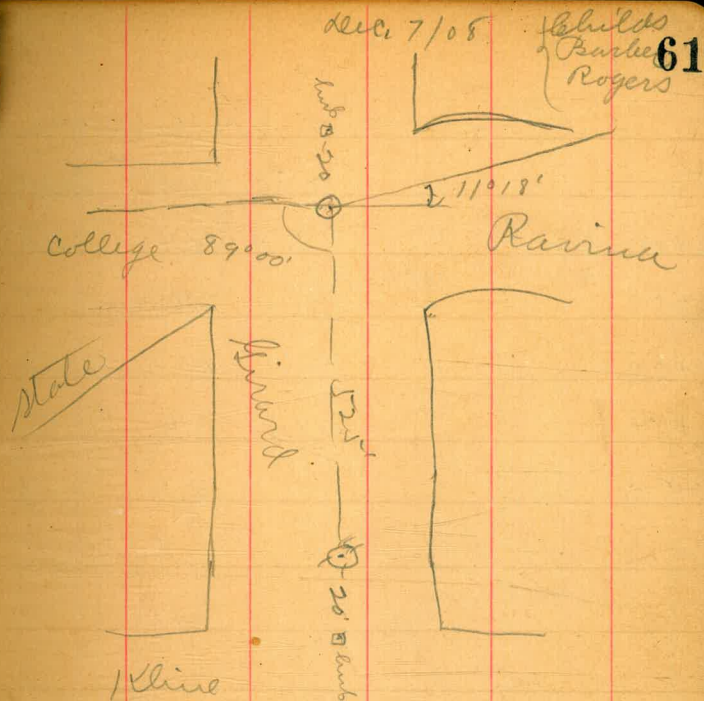
Proposed sewer on State

Stat.	B.M.	H.I.	Spk. pole	no. cor.	State & prospect	Elev.	Grade
0+00	M.H.	158.50	8.0			150.5	145.1
+40			7.4			151.1	
+50			6.5			152.0	
1+00			3.7			154.7	
+50			2.3			156.2	
2+00			1.8			156.7	
+50	8' cut		0.6			157.9	
3+00		167.17	8.1			159.2	
+50	1.5 cut		6.6			160.6	
4+00			5.2			162.0	
+50	1.5 cut		4.5			162.7	
5+00			2.7			164.5	
+20	F.I.		1.7			165.5	155.0



Proposed line at Girard bet.
Kline + Ravina

Sta	H.I.	Rod	Elev.
0+00	105.32	11.8	93.5
+50	112.7 94.05	12.4	92.9
1+00		10.9	94.4
+50		9.7	95.6
2+00		8.2	97.1
+50		6.7	98.6
3+00		5.4	99.9
+50		3.8	101.5
4+00		2.9	102.4
+50		2.0	103.3
5+00		1.1	104.2
+25		0.8	104.5



Posted

Proposed line or Cave

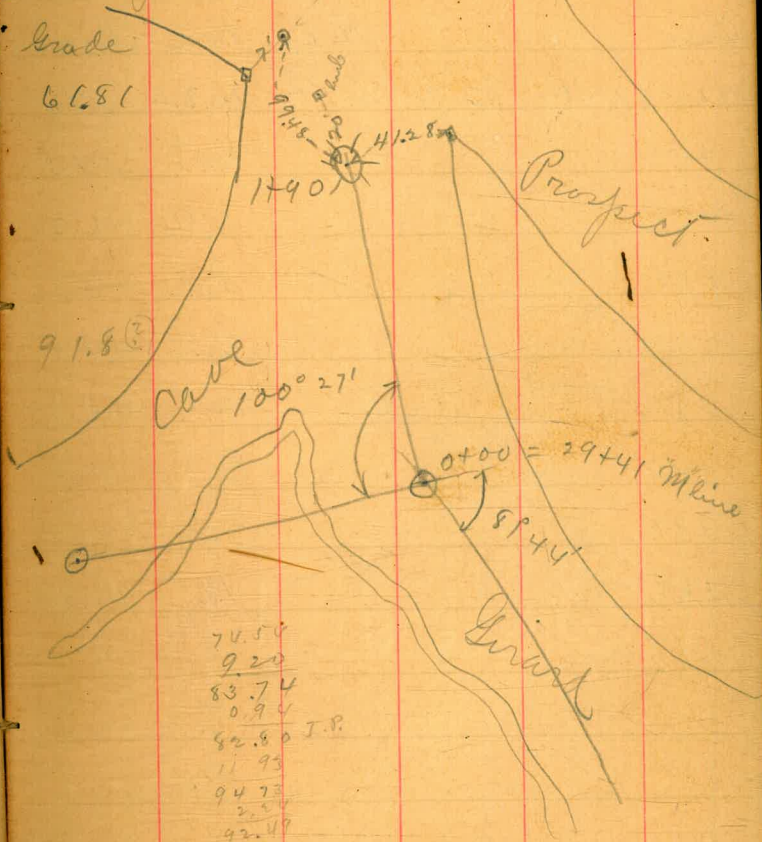
Sta.		H.I.	Rod	Elev.
0+00	M.H. 98 Lillard St. embanked	83.74	10.6	73.1
+50		76.8	6.9	76.8
1+00		94.73	10.4	84.3
+50		104.01	8.6	95.4
+90	F.I.		4.2	99.8

29.7
4
11.88
26.4
85.7
230.9

Dec. 9/08

Childs
Barber 62
Rogers

Proposed to Lillard.



74.50
9.20
83.74
0.94
82.80 I.P.
11.93
94.73
2.22
92.49
11.52
104.01

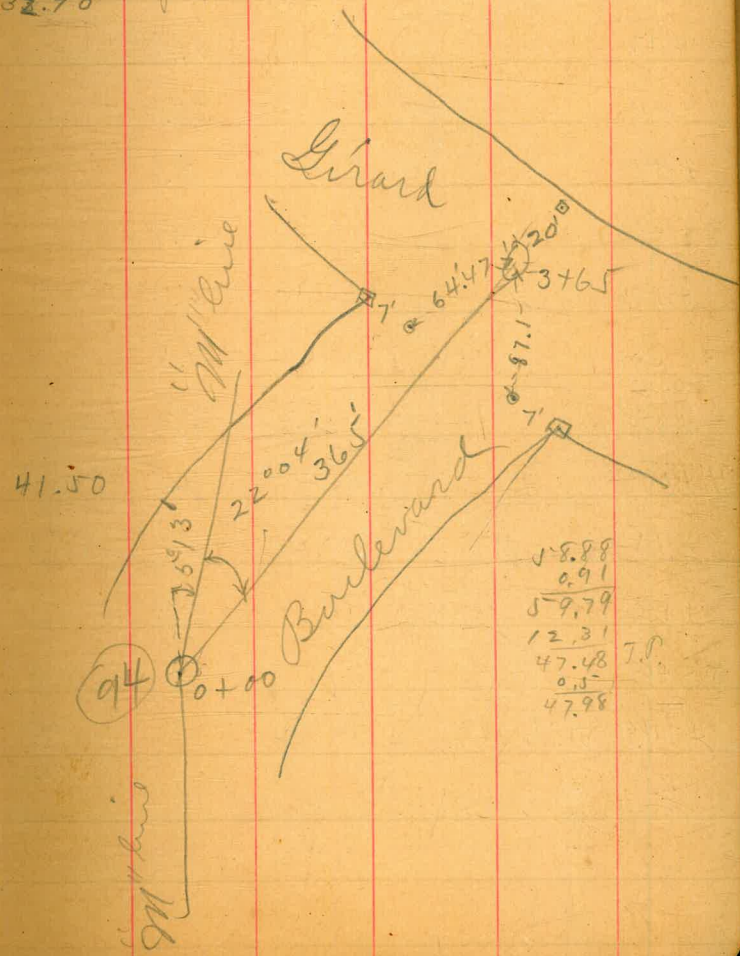
Dec. 9/08

Childs
Barber
Rogers
63

Proposed line on Boulevard, from "M" line to Girard

Sta.	H.I.	Rod	Ground	Grade
0+00 N.H.	92 "M" line 47.98	10.3	37.7	} 21.26 drop cut. 32.70
+50		8.5	39.5	
1+00		6.8	41.2	
+50		5.5	42.5	
2+00		3.7	44.3	
+50		2.1	45.9	
3+00		3.7	44.3	
+50		2.0	46.0	
+65 F.J.		1.6	46.4	

7.30



15.88
0.91
59.79
12.31
47.48 T.P.
0.5
47.98

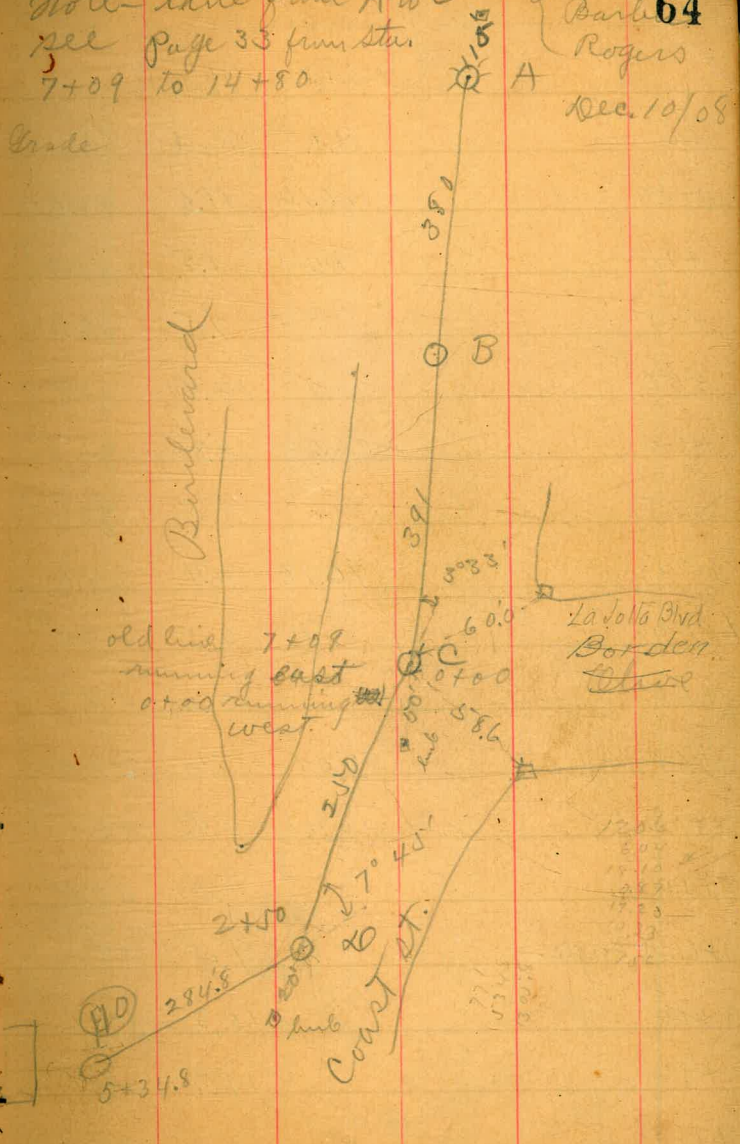
Proposed line on Coast
from Currier to Septic tank

Sta	M.H.	C	I.H.I.	Rod	Ground	Grade
7+09						
7+00	M.H.	C	<u>27.56</u>	0.2	27.4	
+50				1.4	26.2	
1+00				2.6	25.0	
+50				3.6	24.0	
2+00				4.7	22.9	
+50	M.H.	20		6.3	21.3	
3+00				7.5	20.1	
+50				8.2	19.4	
4+00				9.1	18.5	
+45			<u>18.10</u>	1.6	16.0	
+50				3.3	14.8	
5+00				8.6	9.5	
434.8	M.H.	110		12.2	5.9	
	Septic tank M.H.					

Septic tank

Note - line from A to C
see Page 33 from Sta.
7+09 to 14+80

Stellied
Barb 64
Rogers
Dec. 10/08



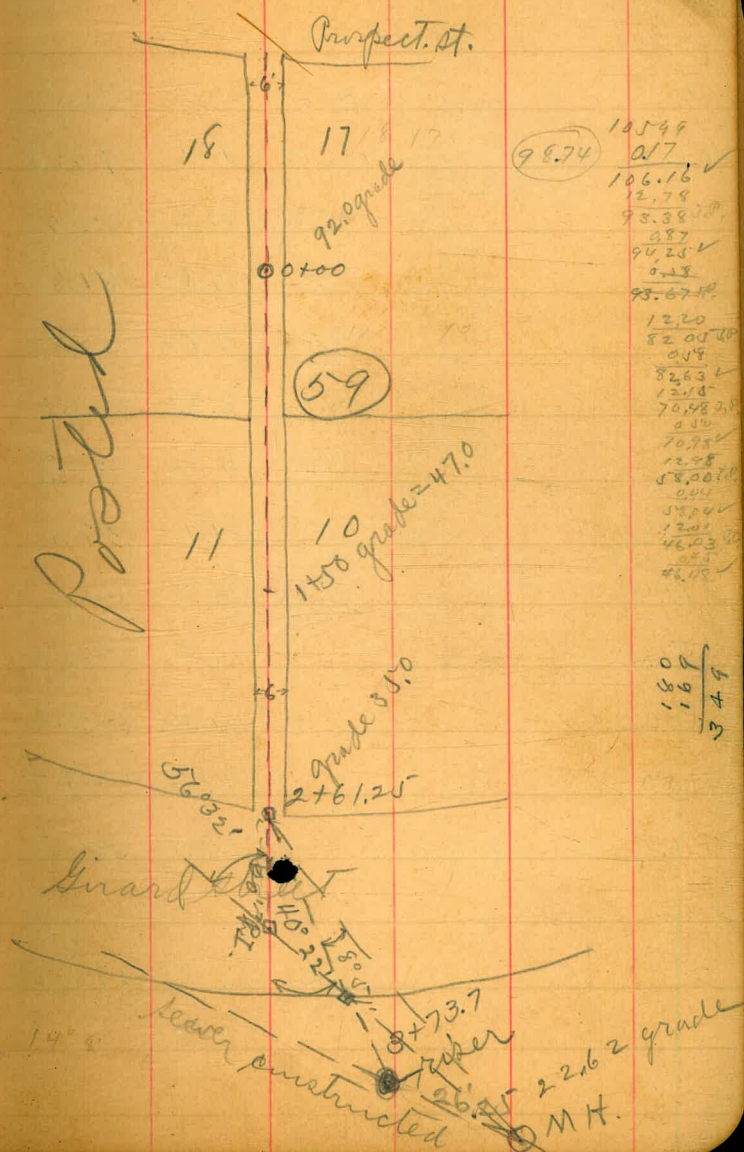
Preliminary sewer line in
Lafolla Park

Sta	H.L.	Rod	Elev.
0+00	<u>106.16</u>	11.6	94.6
+11	<u>94.25</u>	1.5	92.8
+35		7.5	86.8
+50		12.4	81.9
+60	<u>82.63</u>	5.8	76.8
+75		9.0	73.6
+95	<u>70.98</u>	4.4	66.6
1+00		6.5	64.5
+20		13.2	57.8
+50	<u>58.04</u>	7.6	50.4
2+00	<u>46.48</u>	3.4	43.1
+50		8.0	38.5
+61.25 angle-		9.4	37.1
3+00		10.3	36.2
+50		11.7	34.8
+73.7		12.0	34.5

6' alley Blk. 59

49.13
40.22
8.51

65



105.99	0.17
106.16	✓
12.78	
93.38	
8.87	
94.25	✓
0.18	
93.67	
12.20	
82.00	
0.48	
82.63	✓
12.18	
70.48	
0.10	
70.78	
12.88	
58.00	
0.48	
58.24	
12.00	
46.23	
0.25	
46.48	✓

180
169
349

Sewer alley Blk. 59
Lafolla Park.

J. 22

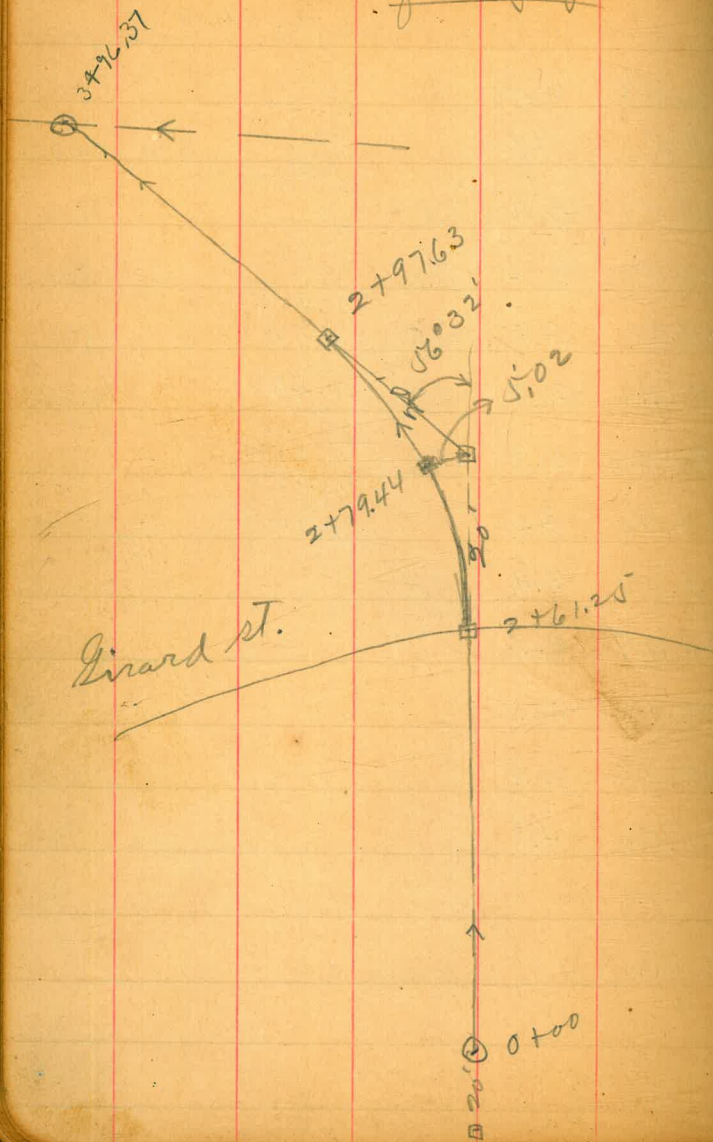
612.5
147.79
79.44
14.18
97.63
987.0
237
96.39
Bluidts
66
Bauer
Taylor
Apr 6/09

Sta		H.I.	Rod	Ground	Grade	cut
0+00	M.H. POSTED	106.14	11.6	94.5	92.0	2.6
+50		94.30	12.23	82.07	77.00	5.1 J.P.
1+00	30°	70.21	5.53	64.68	62.00	2.7 J.P.
+50		57.90	7.49	50.41	47.00	3.4 J.P.
2+00		46.16	3.08	43.08	41.11	2.0 J.P.
+50			7.68	38.48	35.22	3.3 J.P.
+61.25			9.1	37.1	33.90	3.2
+79.44			10.3	35.9	33.53	2.4
+97.63	2%		10.2	36.0	33.17	2.8
3+00			10.4	35.8	33.12	2.7
+50			11.2	35.0	32.12	2.9
+96.37	M.H. constructed		10.9	35.3	31.20	4.1

100.99
0.15
106.14 ✓
12.76
93.38 J.P. 1125/12000(10
0.92 11125
94.30 ✓ 87500
12.23 72875
82.07 96250
0.95 ✓
83.02
12.94
70.08 J.P.
0.13
70.21 ✓ 58
12.91 22
57.26 J.P. 11.78
0.64
57.90 ✓ 5.89
12.35
45.55 J.P. 11.78
0.61 11.25
46.16 ✓ 5890
2356
1178
1178
1325250

see diagram next page.

cont. from page 66



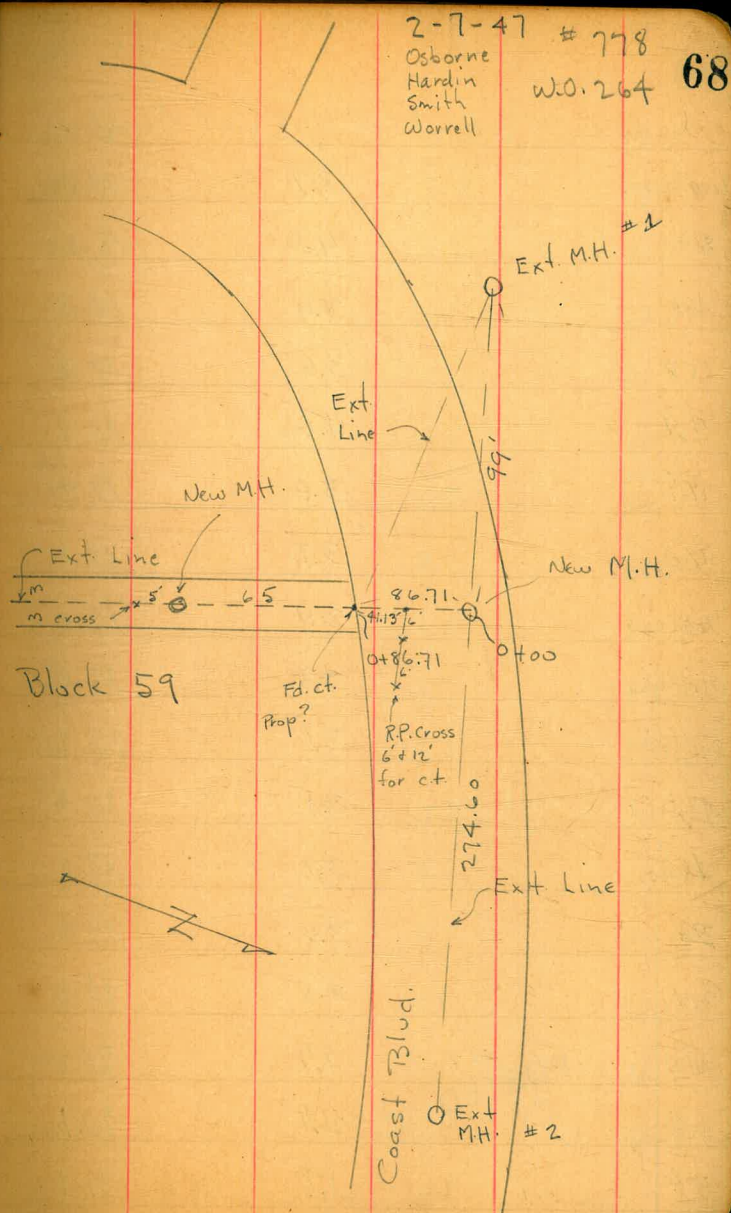
Apr. 6/09

Childs
Barber 67
Taylor

POSTED

Grades for Const. of New Sewer + M.H.'s
on Coast Blvd. + Alley in Block 59

	index rod C.S.M.		
B.M. 12.64 40.30			27.66
M.H. #2	16.16	24.14	F.L.
M.H. #1	17.64	22.66	F.L.
99' E. of M.H. #1	Cross in cb. 5' W.	8.08	32.22
Grade of New M.H.		32.22	23.05
going S. cross 4' W.	6.61	33.69	C 9.17
0+47	33.69	25.18	C 8.51
0+34	5.44	34.86	C 7.55
0+50	4.74	35.56	C 6.28
0+65	4.29	36.01	C 4.82
0+86.71	2.76	37.54	C 3.64
T.P.	8.66	46.20	2.76
Grade at Prop. M.H. at 65' S.			37.54
F.L.		41.55	
on Cross in \$	337	42.83	C 1.28
			To F.L.



22.81

X Sect for Bedo. gical Bldg.

22.81

40' west

69

60' west of East line

100' no.	3.7	19.1
80	4.0	18.8
60	3.6	19.2
50	3.6	19.2
49	4.0	18.8
48	3.4	19.4
40	3.2	19.6
20 no	3.4	19.4
no. line	3.9	18.9
20' no	3.6	19.2
20 line	3.5	19.3
1' no	3.7	19.1
20	3.4	19.4
20'	2.8	20.0
40	2.8	20.0
60	2.7	20.1
80	1.7	21.1
100 no.	1.6	21.2

POSTED

100 no	0.0	22.8
50	0.8	22.0
60	1.3	21.5
40	1.1	21.7
20	1.6	21.2
10'	2.1	20.7
8'	3.2	19.6
7'	1.9	20.9
20 line	2.1	20.7
27 no	2.8	20.0
no. line	2.7	20.1
20' no	2.2	20.6
40	2.3	20.5
43	3.0	19.8
46	2.5	20.3
60	2.8	20.0
80	2.7	20.1
100' no	2.7	20.1
J.R	8.96	
H.F.	30.16	
	1.61	21.20

POSTED

30.16

50' west

100 no.	9.0	21.2
80	9.1	21.1
60	9.2	21.0
40	8.8	21.4
37	8.8	21.4
35	9.8	20.4
33	8.6	21.6
20 no.	8.8	21.4
no line	9.2	21.0
20' no.	9.0	21.2
no line	8.3	21.9
13' no.	8.0	22.2
45	9.9	20.3
17	8.1	22.1
20	8.0	22.2
40	7.6	22.6
60	7.6	22.6
80	7.3	22.9
100 no.	6.7	23.5

POSTED

30.16

East side building 70

100' no	5.6	24.6
80	6.3	23.9
60	5.9	24.3
40	6.3	23.9
20	6.8	23.4
18	8.5	21.7
16 no	6.9	23.3
no line	7.3	22.9
27 no	7.9	22.3
no line	8.0	22.2
20 no	7.9	22.3
29	7.8	22.4
31	9.4	20.8
34	7.7	22.5
40	7.7	22.5
60	7.7	22.5
80	7.9	22.3
100' no	7.9	22.3

POSTED

30.16

20' East

100' no.	6.7	23.5
80	6.8	23.4
60	6.6	23.6
40	6.5	23.7
37	6.8	23.4
35	8.9	21.3
33	6.9	23.3
20 no.	6.7	23.5
No line	6.7	23.5
20' no	6.9	23.3
No line	6.4	23.8
30' no	6.1	24.1
30	5.4	24.8
32	7.2	23.0
34	5.3	24.9
40	5.1	25.1
60	5.1	25.1
90	5.0	25.2
100' no.	4.9	25.3

40' East

30.16

71

100' no.	3.5	26.7
80	3.2	27.0
60	3.9	26.3
40	4.3	25.9
38	6.3	23.9
35	4.4	25.8
20 no.	4.9	25.3
No line	5.0	25.2
27' no	5.7	24.5
No line	5.5	24.7
20' no	5.6	24.6
35	5.3	24.9
37	8.4	21.8
40	5.4	24.8
60	5.4	24.8
80	5.5	24.7
100' no.	5.3	24.9

POSTED

	30.16	
65	60' East	
100' no	4.1	26.1
80	4.2	26.0
60	4.2	26.0
40	4.2	26.0
35	7.7	22.5
33	4.3	25.9
20 no.	4.3	25.9
no line	4.3	25.9
20' 20	4.4	25.8
no line	3.9	26.3
20' 20.	3.6	26.6
37	3.1	27.1
40	4.6	25.6
42	3.0	27.2
60	2.6	27.6
80	2.6	27.6
100' 20.	2.6	27.6

	80' East	30.16	72
100' 20	1.2		29.0
80	1.5		28.7
60	1.7		28.5
56	1.8		28.4
54	3.2		27.0
51	2.0		28.2
40	2.1		28.1
20' 20	2.6		27.6
no line	2.8		27.4
27' no	3.1		27.1
no line	3.0		27.2
20' no	2.8		27.4
30	3.0		27.2
35	7.0		23.2
37	2.8		27.4
40	2.7		27.5
60	2.8		27.4
80	2.8		27.1
100' no.	2.7		27.1

POSTED

100' East
30.16

100' no	1.3	28.9
80	1.4	28.8
60	1.4	28.8
40	1.4	28.8
35	1.5	28.7
30	1.9	24.3
28	1.5	28.7
20 no	1.6	28.6
20 line	1.8	28.4
20'20	1.7	28.5
20 line	1.5	28.7
20'20	1.3	28.9
40	1.1	29.1
55	0.5	29.7
60	2.9	27.3
62	0.4	29.8
80	0.3	29.9
95	0.0	30.2

73

POSTED

X sect. Biological Station

ST	38' west	
10000	2.1	18.8
+80	3.0	17.9
+60	3.8	17.1
+40	3.9	17.0
+20	4.4	16.5
Robin	4.2	16.7
+18	4.3	16.6
+26	16.5	4.4
+27	4.5	16.4
+32	4.2	16.7
+41	14.0	6.9
+44	4.0	16.9
No line	4.1	16.8
	40' west	
+82 north of No. 10	7.0	13.9
+80	20.0	0.9
	6.2	14.7

2085

74

+40	4.3	16.4
+28	8.9	12.0
+22	4.2	16.7
	38' west	
20' No. of No. line	4.3	16.6
+40	4.2	16.7
+60	4.5	16.4
+76	4.4	16.5
+78	17.3	3.6
+84	5.7	15.2
1000 No.	4.4	16.5
J.P. 441 N.W. Cor. Bed. 22.81	2.45	18.40
	30' west	
1000 No.	5.9	16.9
85	6.0	16.8
83	7.1	15.7
80	6.0	16.8

POSTED

2281

87			
10	60	5.9	16.9
8	40	5.8	17.0
6	20	5.7	17.1
4	no. line	5.6	17.2
3	3' 20' g. M. line	5.8	17.0
2	5' " "	9.6	13.2
2	7' " "	5.8	17.0
2	18' " "	6.1	16.7
2	50' " "	11.4	11.4
2	22' " "	5.9	16.9
2	no. line	5.6	17.2
2	20' no.	5.8	17.2
4	40	5.2	17.6
5	60	5.1	17.7
6	80	4.6	18.2
6	100 no.	3.6	19.2

2281

28' west.

		75
100' no.	3.6	19.2
80	4.5	18.3
60	5.2	17.6
40	5.4	17.4
20	5.8	17.0
no. line	5.5	17.3
24' no.	5.8	17.0
25' "	10.8	12.0
27' "	6.1	16.7
42' "	6.1	16.7
40' line	5.7	17.1
20' no.	5.5	17.3
40	5.6	17.2
60	5.6	17.2
78	5.6	17.2
82	12.0	10.8
85	5.7	17.1
100' no.	5.6	17.2

POSTED

2281

20' west

10			
8	100' No.	5.3	17.5
6	83	5.3	17.5
2	81	10.6	12.2
3	80	5.3	17.5
3	60	5.4	17.4
2	40	5.1	17.7
2	20	4.9	17.9
71	no line	5.1	17.7
2	20' No.	5.5	17.3
2	24' "	5.6	17.2
2	26' "	8.5	14.3
4	27' "	5.2	17.6
3	20 line	4.9	17.9
6	20' No	5.2	17.6
6	40	4.9	17.9
	60	4.7	18.1
4	80	4.2	18.6
10	100' No	3.5	19.7

2281

West line Building

76

	100' No	2.5	20.3
	80	3.0	19.8
	60	3.5	19.3
	40	3.5	19.3
	20	3.7	19.1
	20 line	3.6	19.2
	2' no	5.4	17.4
	3' "	4.0	18.8
	27' "	4.2	18.6
	20 line	4.4	18.4
	20' no	4.1	18.7
	40	3.9	18.9
	60	4.3	18.5
	65	4.7	18.1
	66	6.4	16.4
	67	4.6	18.2
	80	4.5	18.3
	100' No	4.5	18.3

see page 69

10	J.P.	12.37	16.18	0.25	3.81
8	J.P.	5.24	^{H.F.} 20.85	0.57	15.66
			76' West		
1	1+00		3.8	17.1	
3	+80		4.3	16.6	
3	+60		5.2	15.7	
2	+48		15.0	5.9	
2	+37		5.4	15.5	
20	+32		5.7	15.1	
3	+20		20.8	0.1	
2	+8		20.8	0.1	
2	Soline		6.3	14.6	
4			70' West		
5	Soline		5.8	15.1	
6	+5'		6.1	14.8	
6	+15'		20.7	0.2	
	+30		10.2	10.7	
	+32		5.2	15.7	

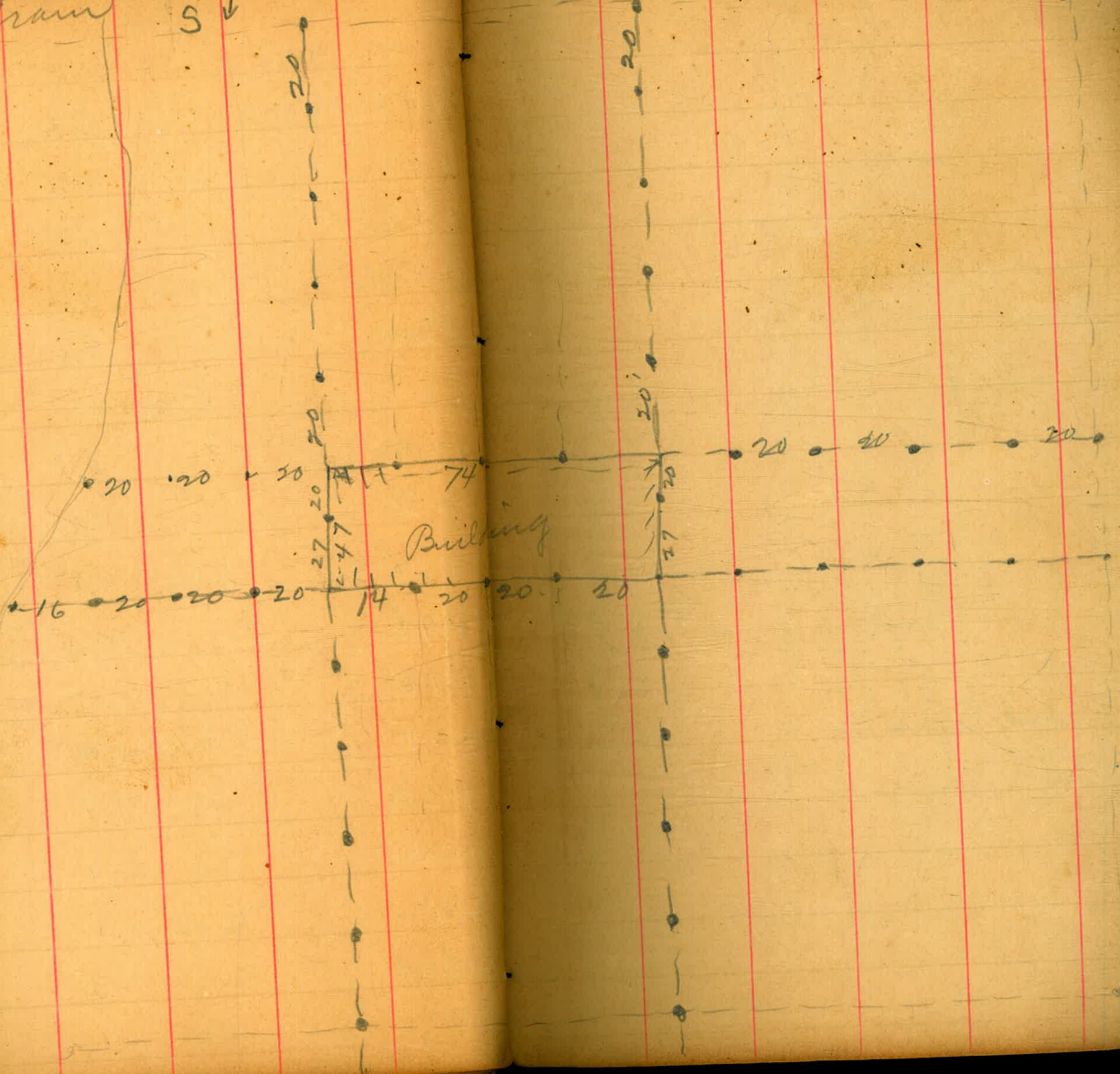
20.85

78

+45	5.3	15.6
+47	10.9	10.0
+59	4.9	16.0
+80	4.1	16.8
1+00	3.8	17.1
	65' West	
1+00	3.7	17.2
+80	4.2	16.7
+60	4.8	16.1
+48	10.5	10.4
+46	5.0	15.9
+35	5.0	15.9
+30	9.7	11.2
+20	20.4	0.5
+5'	5.5	15.4
Soline	5.3	15.6

Diagram

N
S



2085

60' West

1400	3.6	17.3
+80	4.1	16.8
+60	4.7	16.2
+49	8.4	12.5
+40	4.7	16.2
+36	4.9	16.0
+31	8.2	12.7
+20	12.1	8.8
no line	5.1	15.8
+5'	5.1	15.8
+7'	13.4	7.5
+20	13.1	7.8
+23	20.9	0
+27	12.2	8.7
+31	20.9	0
+38	26.9	0
no line	5.5	15.4

POSTED

80

40' West

no line	4.2	16.7
+2'	4.1	16.8
+3'	14.1	6.8
+11'	4.4	16.5
+14'	11.4	9.5
+20'	4.5	16.4
+21'	16.5	4.4
+31'	4.3	16.6
no line	4.3	16.6
+18	4.4	16.5
+20	6.9	14.0
+23	4.4	16.5 25.3
+40	POSTED	16.8
+60	3.8	17.1
+80	3.1	17.8
1400	2.2	18.7

POSTED

see page 74

Table showing
running

MINUTES

- I
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20

Return
City
TAB

In the following
number of
chain, hor

Angle	COR.
0	0.24
4	0.38
5	0.55
6	0.76
7	0.98
8	1.24
9	1.55
10	

899
42,955
5.2
377
8.6
34.3
819
13.4
30.5

33,534
4.6
28.9
5.8
27.7
959
8.500
77.31
7690

80 | 11.70 | 14.6 | 11.7 | 413
80 | 1.6 | 16 | 3717
370 | 8.76 | 702 | 3717
320 | 61.46 | 417 | 40887
500 | 23.36 | 18.72

59.4
47
1.9
59.8
148.72
6.95
115.67
0.73
150.34 J.P.
67 | 12.07
69 | 167.41
0.36
167.05 J.P.
13.06
180.11
0.19
177.92 J.P.
9.50
189.42

74 X 47

137.83 B.M.

POSTED

520 | 1040 | 2.00
154.1
162.1

56.45
12.43
44.05 J.P.

1531
1521
706.5
71.47
154.96
2.84
* 68.68 J.P.
7.14
74.54
74.6

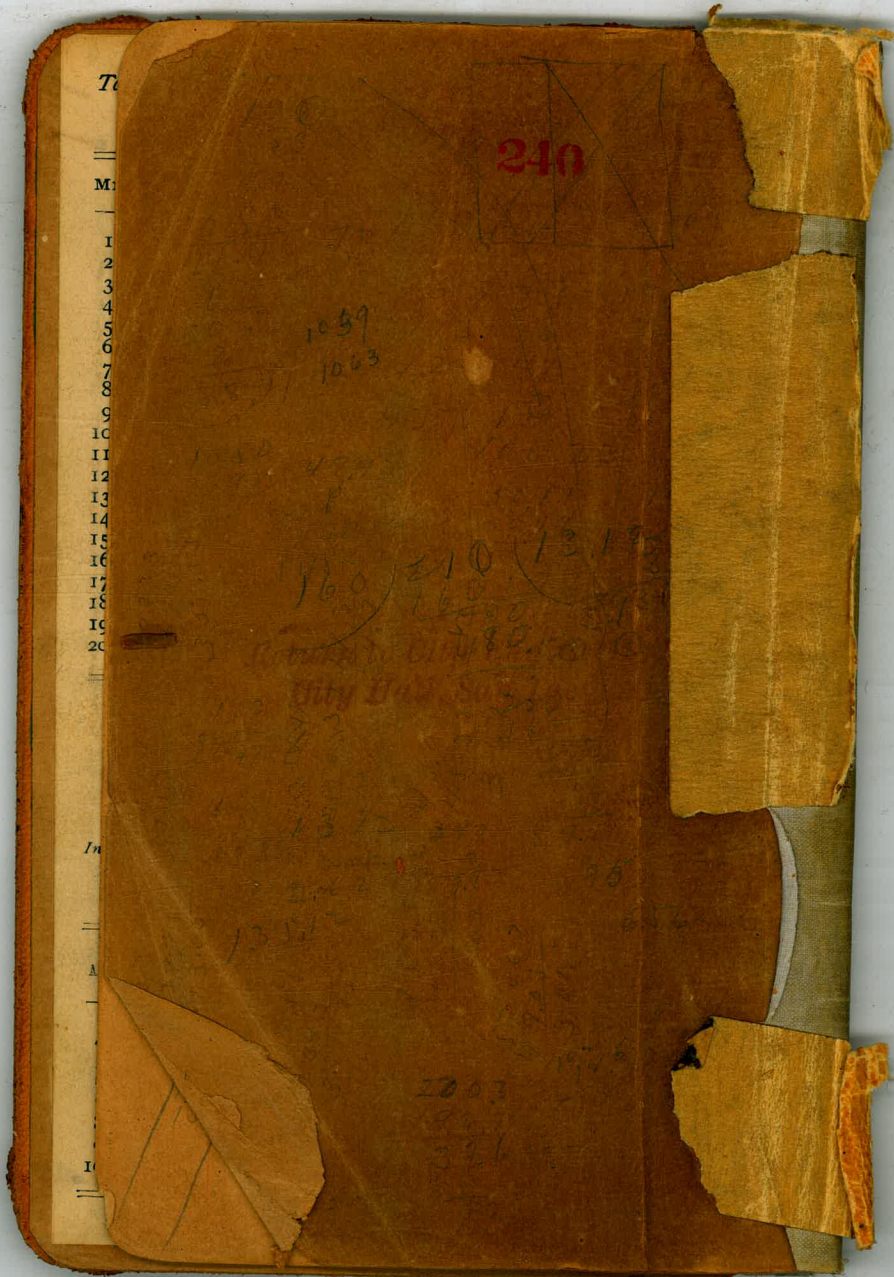
29+77 30+11

29+87.41 30+20

137.1
14
96
71.33
107.5
6313
105 70
6313

1002 B.M. 102

520 | 2000 | 384
116.0
4400
4126.80
2400



T

M

1
2
3
4
5
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7
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9
10
11
12
13
14
15
16
17
18
19
20

M

A

I

210

1039
1063

160 210 1317
160 1317
1317

2003

371