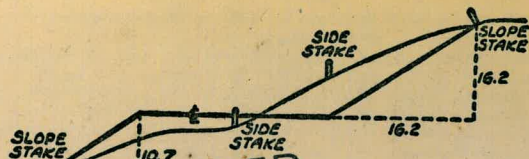


2089

WISDOM



MICROFILMED

31 1964  
 DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING  
 SLOPE 1 TO 1. ROADWAY OF ANY WIDTH

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

INDEXED  
 to page # 54

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

These corrections are to be added to the approximate values, found by dividing the tangent, or external, for a 1° curve (Table VIII) by the degree of curve, in order to obtain the true tangents, or externals. Intermediate values may be obtained by interpolation.

FOR TANGENTS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.03	.06	.09	.13	.16	.19	.22	.25	.28	.31	.34	.38	.42	.46
15°	.04	.10	.14	.19	.24	.29	.34	.39	.45	.51	.53	.58	.63	.68
20°	.06	.13	.19	.26	.32	.39	.45	.51	.58	.65	.72	.79	.84	.90
25°	.08	.16	.24	.33	.40	.49	.58	.67	.75	.83	.90	.99	1.06	1.14
30°	.10	.19	.29	.39	.49	.59	.69	.79	.89	.99	1.09	1.20	1.29	1.39
35°	.11	.22	.34	.47	.58	.69	.79	.89	.99	1.09	1.20	1.31	1.42	1.54
40°	.13	.26	.40	.53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	.15	.30	.44	.60	.76	.91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	.17	.34	.51	.68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	.19	.38	.57	.76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	.21	.42	.63	.84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	.23	.46	.69	.93	1.16	1.40	1.64	1.88	2.13	2.38	2.63	2.88	3.13	3.39
70°	.25	.51	.76	1.02	1.28	1.54	1.80	2.06	2.33	2.60	2.88	3.16	3.44	3.72
75°	.27	.56	.83	1.12	1.40	1.69	1.98	2.27	2.57	2.87	3.16	3.47	3.78	4.09
80°	.30	.61	.91	1.22	1.53	1.84	2.15	2.46	2.78	3.10	3.44	3.78	4.12	4.46
85°	.33	.66	1.00	1.33	1.68	2.02	2.36	2.70	3.05	3.40	3.77	4.14	4.55	4.89
90°	.36	.72	1.09	1.45	1.83	2.20	2.57	2.94	3.32	3.70	4.10	4.50	4.91	5.32
95°	.39	.79	1.19	1.55	2.00	2.40	2.80	3.20	3.61	4.02	4.40	4.98	5.38	5.83
100°	.43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34
110°	.51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4.76	5.31	5.86	6.43	7.01	7.60
120°	.62	1.25	1.93	2.52	3.16	3.81	4.45	5.11	5.77	6.44	7.12	7.80	8.50	9.22

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.638	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.711	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.286	.383	.480	.578	.678	.777	.877	.977	1.07	1.18	1.29	1.39
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.885	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

Index

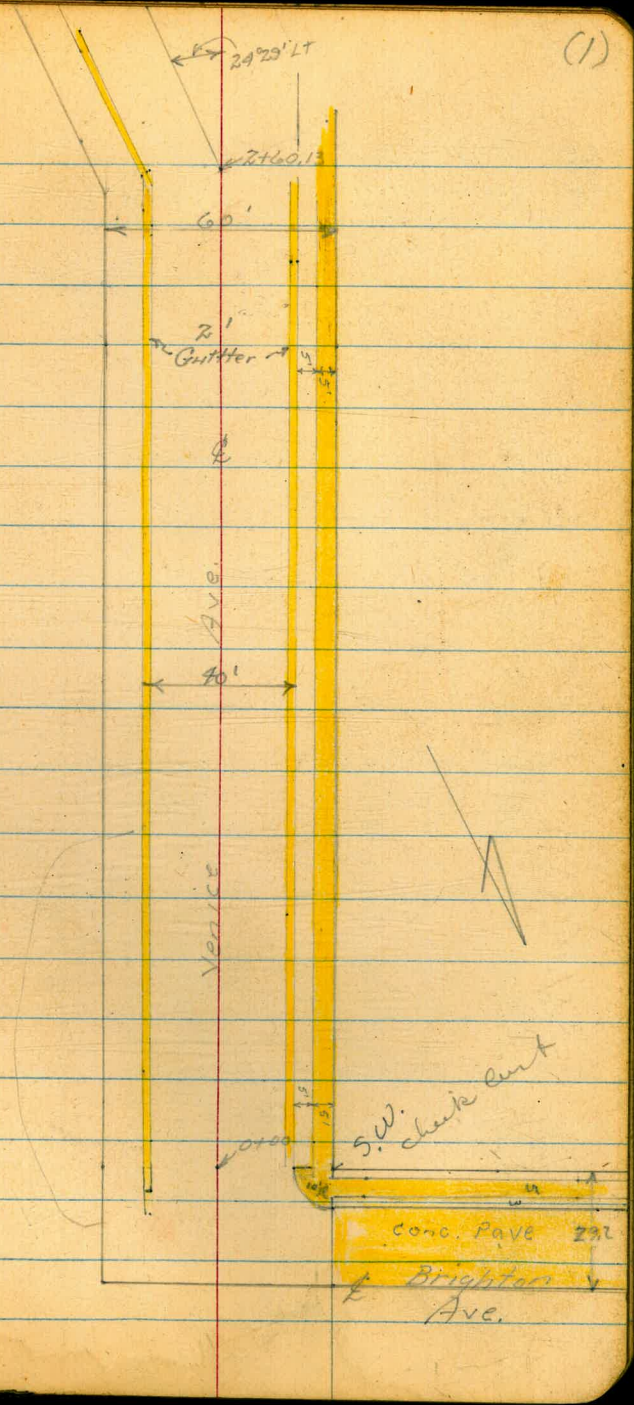
Venice St. - Brighton to Del Mar, X-Sec.	1
Intersection Venice St. & Alley bet.	41
Santa Monica & Newport	
Intersection of Alley & Venice bet.	42
Saratoga & Santa Monica	
Alley in Catalina Villas & Venice	43
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line - Venice St.	
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Hawthorne to Ivy	
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Lane & Mar Ave	

Johnson  
Greer  
Bunch  
4-3-50  
W.O. 31696

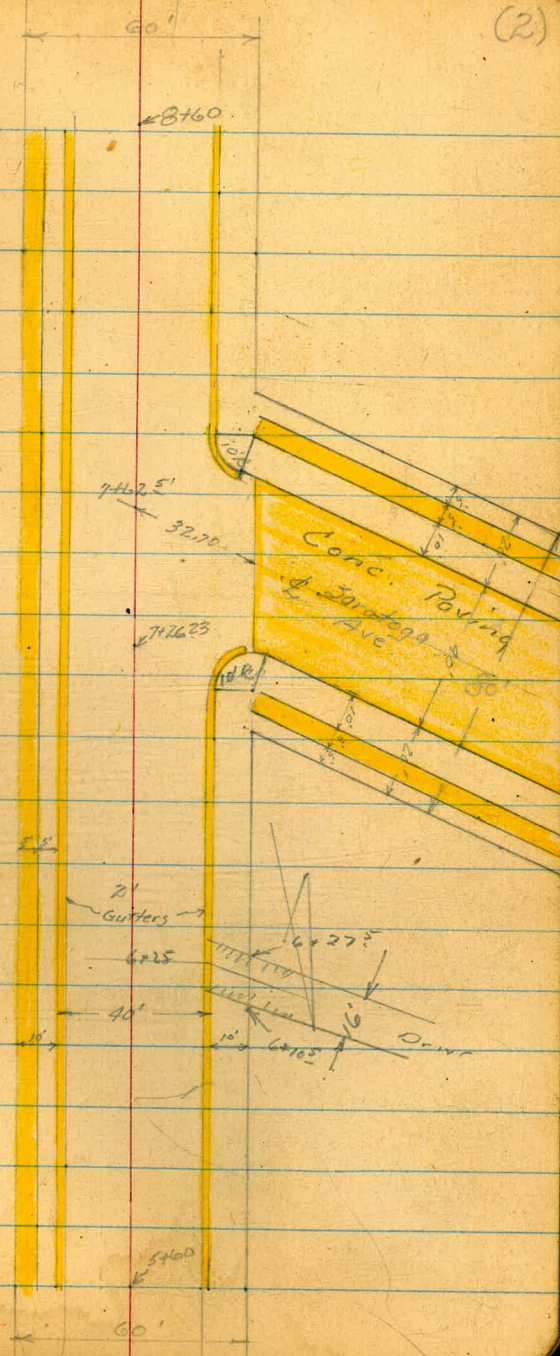
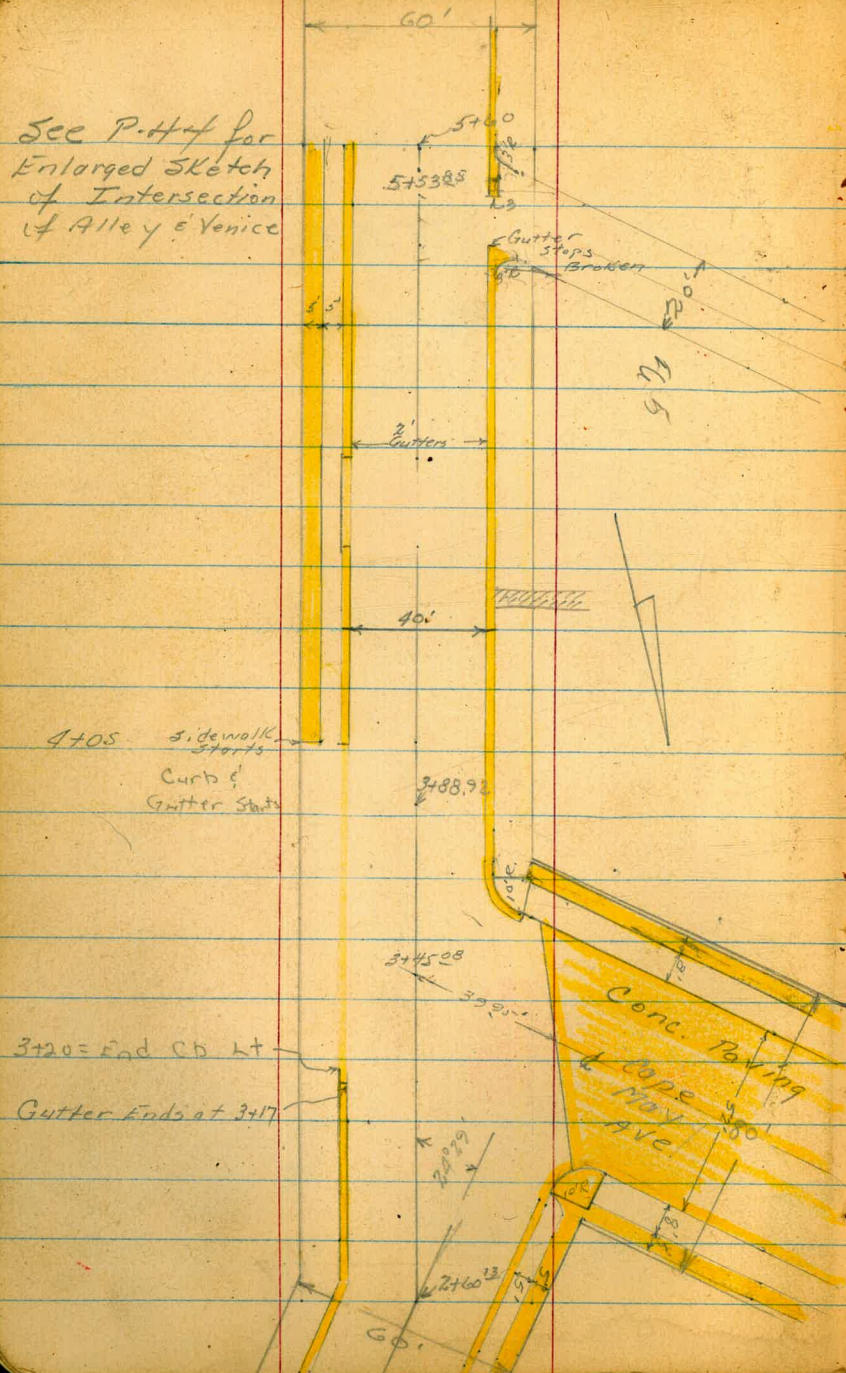
4-section Venice Street  
Brighton Ave to Del Mar Ave

INDEXED  
N.K.  
APR 10 1950

A.P. STEVENS  
PLOTED  
4-19-50



See P.H. for  
Enlarged Sketch  
of Intersection  
of Alley & Venice

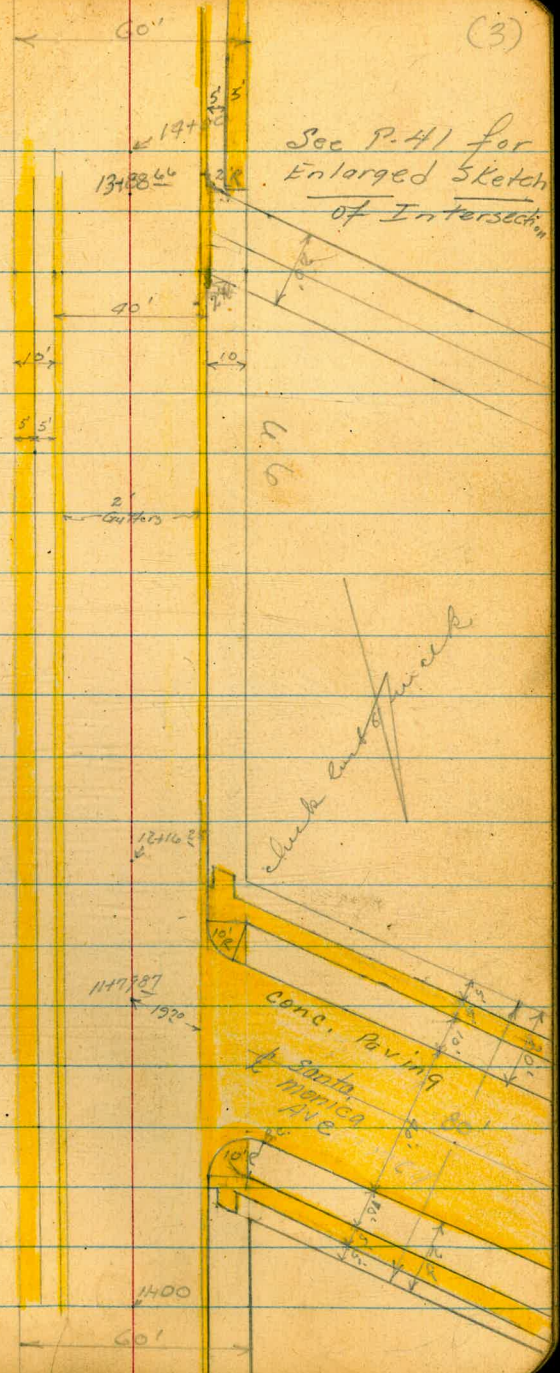


alley?



See Page 42 for Enlarged Sketch of Alley Intersection

(See P. 43 for sketch of Alley)

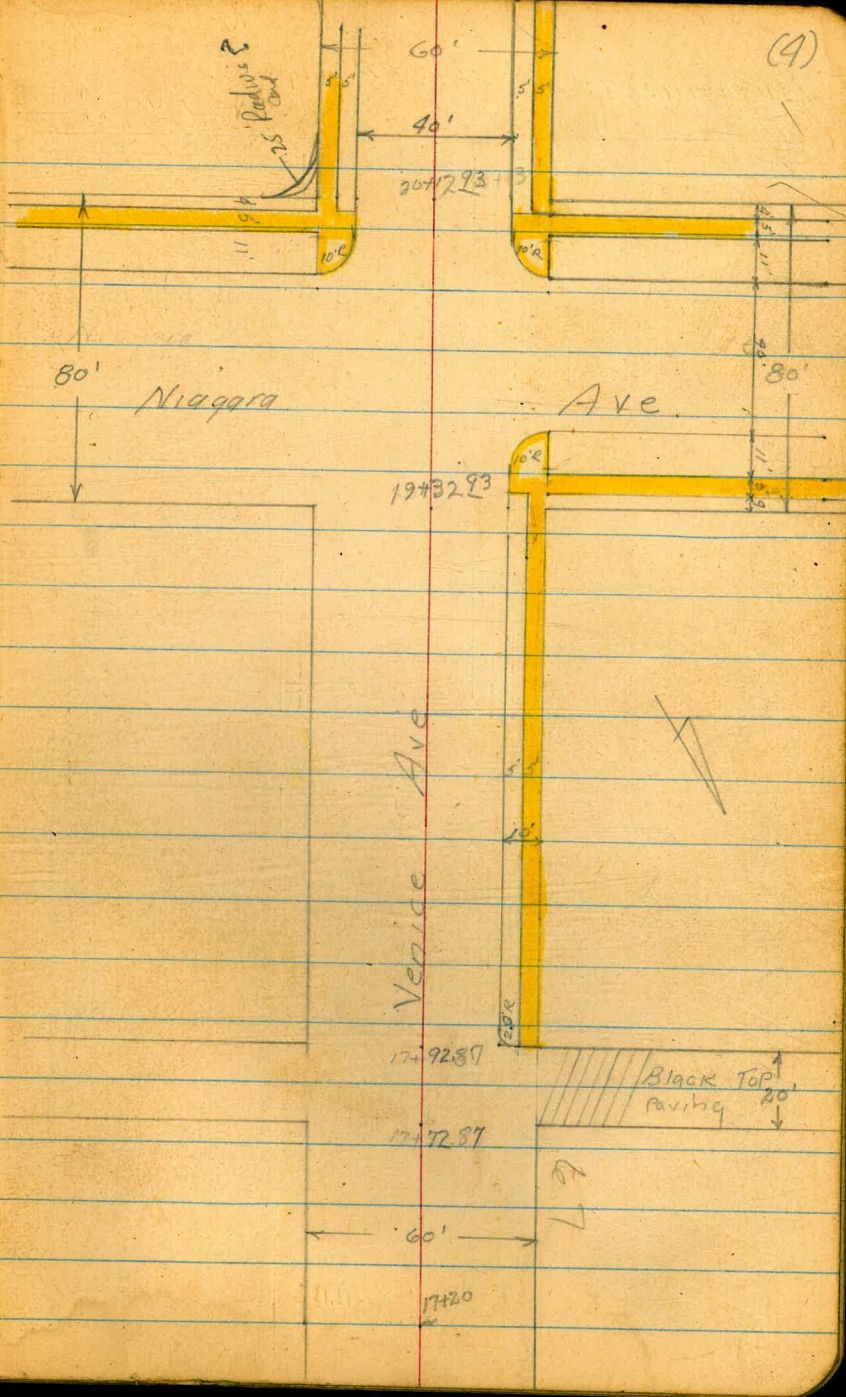
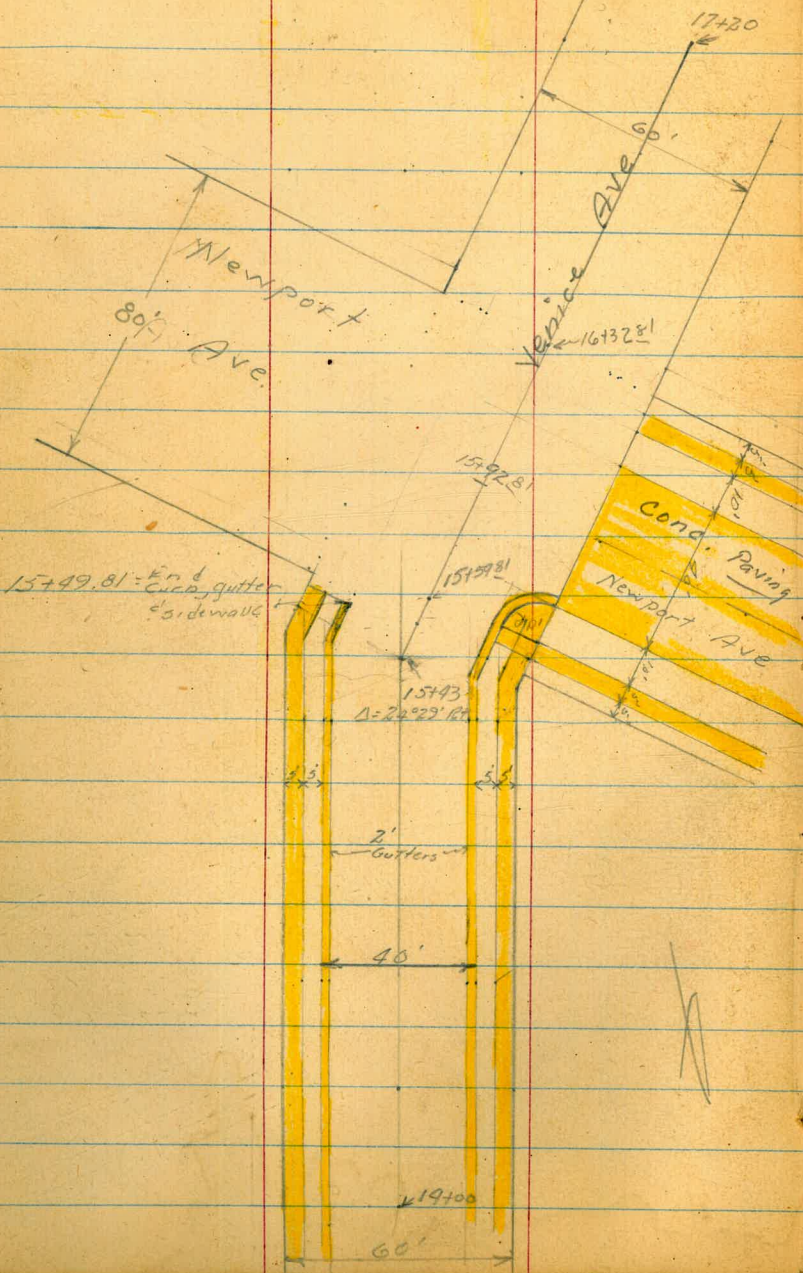


See P. 41 for Enlarged Sketch of Intersection

alley?

chuck cut through

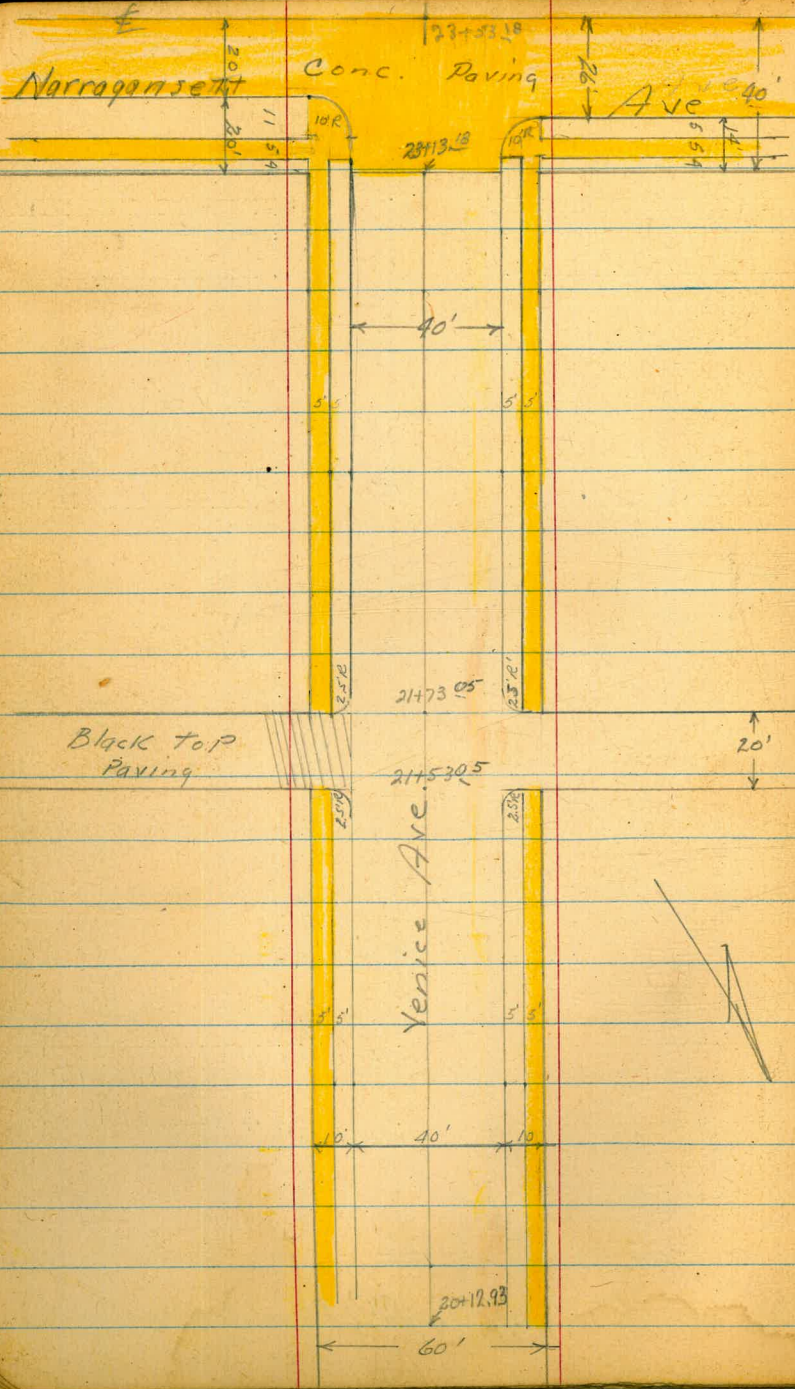
conc. Paving of Santa Monica Ave



Narragansett

Conc. Paving

Ave 40'



Black top Paving

2173.05

211530.5

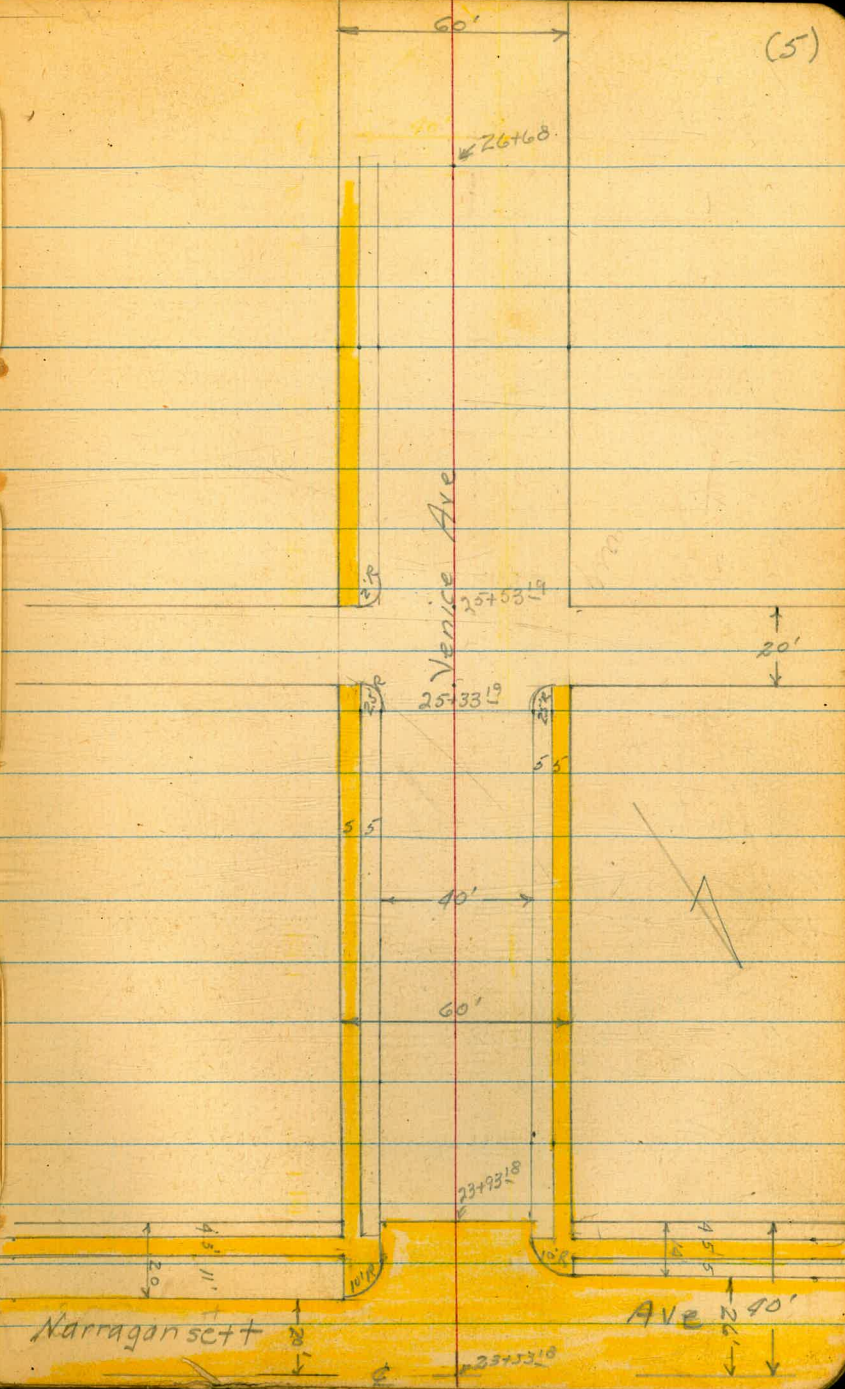
Venice Ave

10' 40' 10' 60'

20+12.93

Narragansett

Ave 40'



Venice Ave

25+53.19

25+33.19

23+93.18

25+33.18

26+68

45' 11"

45' 5"

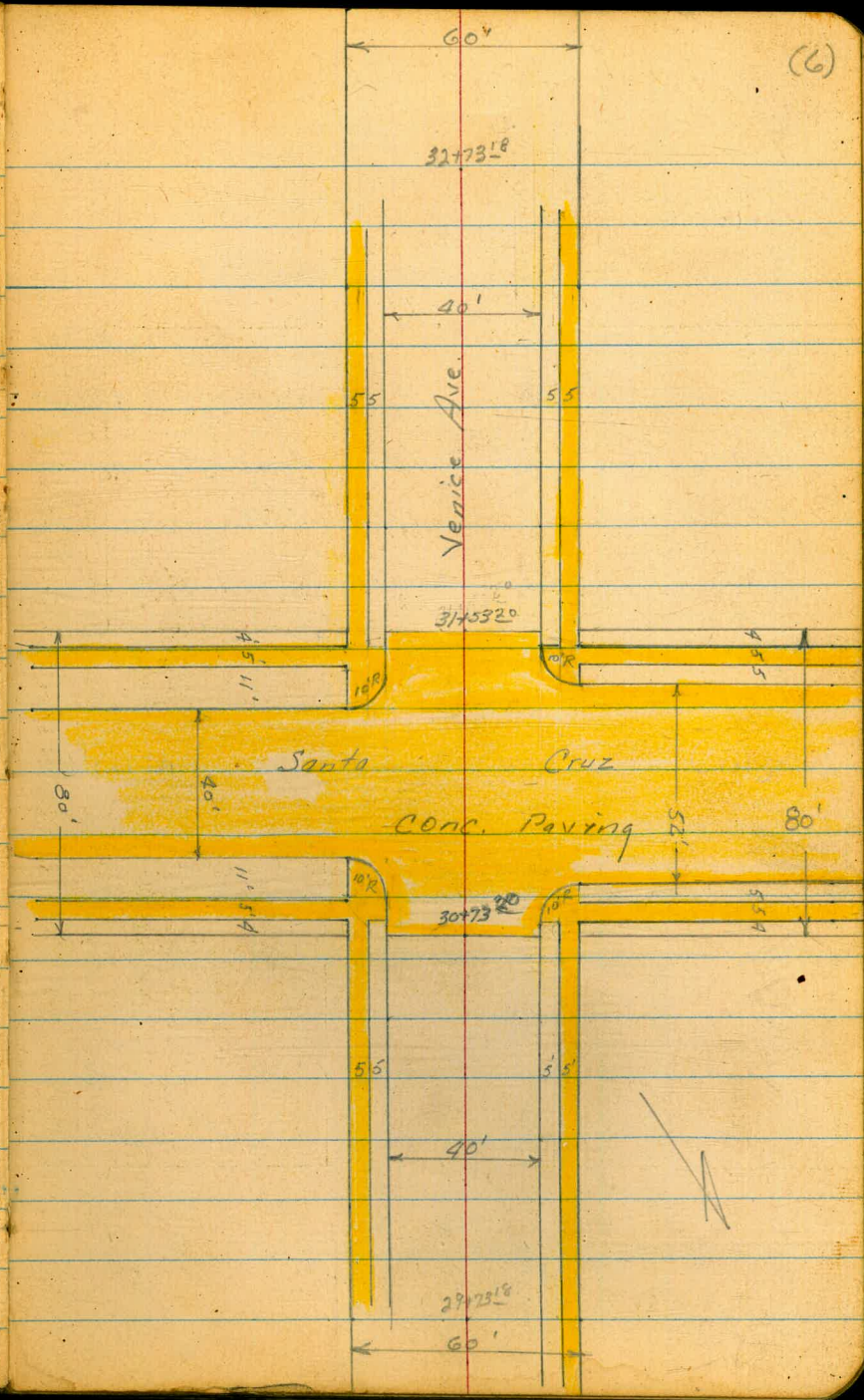
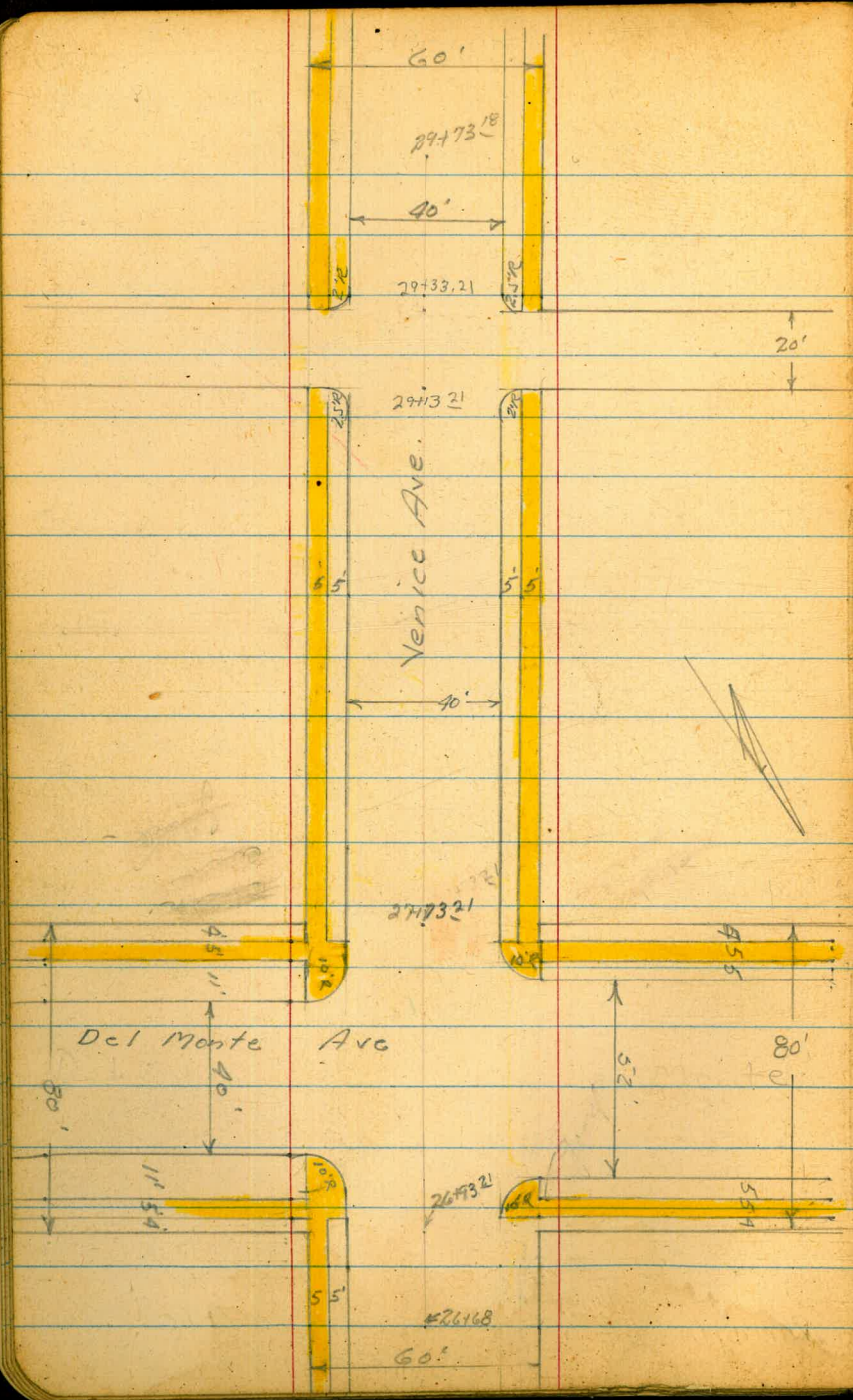
20'

20'

20'

20'







4 Section - Venice Ave.  
Brighton to Del Mar

Lt.

E

Rt.

8

Note:!! Self Reading Rod used  
on shots, 30 Each elevation  
is true!!

0-13 = End of East Curb Lt.

0-30 = E Brighton Ave

152.0 152.33

G Cb

20

152.9  
50

153.4  
30

152.8  
23

151.1  
17

151.9

150.89  
30

150.70  
50

150.2  
100

0-50 = North Curb line Brighton Ave.

152.6  
50

152.8  
30

151.2  
19

150.9  
16

151.0

150.8

150.34

150.37

212.7  
30

150.77  
97

149.58  
G

150.30  
Cb

100

0-60 = North P.L. Brighton Ave

152.9  
50

152.9  
37

152.9  
30

150.9  
19

150.5  
16

150.7

150.6

151.6

151.8

151.9

17

18

30

40

0-63 = E of 5' x 35' Gas Box 7' Rt to East Edge

150.61  
N.W. Cor S.W. Cor

150.70

150.71  
S.E. Cor

150.61  
N.E. Cor

-1100

150.7  
50

151.5  
40

150.3  
30

148.9  
10

149.3

149.3

151.3

152.6

152.8

15

18.3

30

40

B.M.

7.58

158.93

+

151.35

S.W. B.P. - Brighton Venice

1/4 Section Venice Ave.  
Brighton to Delmar

(0+92 Beg SW on Lt) & r

0+97 = 4 12' drive Lt.

0+84 End SW on Lt.

0+79 = 2 11' drive Lt.

0+74 Beg SW on Lt.

0+50

S.W. Curb Return 10'R 15.4 arc 3 parts of 5.1

Note: Gutter has separated from Curb  
on this Return.

End SW on Lt.

0+00 = South Prop. Line Brighton Ave.

= End 2' Gutter on Lt.

0-06 = 4 12' drive 20' Lt.

Beg S. Walk on Lt.

0-10 = South Curb Line Brighton Ave.

Lt.

Rt.

153 <sup>23</sup>	30	25	153 <sup>18</sup>						
153 <sup>24</sup>	30	25	153 <sup>16</sup>						
153 <sup>25</sup>	30	25	153 <sup>14</sup>						
153 <sup>26</sup>	30	25	153 <sup>12</sup>						
153 <sup>27</sup>	30	25	153 <sup>10</sup>						
153 <sup>28</sup>	30	25	153 <sup>08</sup>						
153 <sup>29</sup>	30	25	153 <sup>06</sup>						
153 <sup>30</sup>	30	25	153 <sup>04</sup>						
153 <sup>31</sup>	30	25	153 <sup>02</sup>						
153 <sup>32</sup>	30	25	153 <sup>00</sup>						
153 <sup>33</sup>	30	25	152 <sup>58</sup>						
153 <sup>34</sup>	30	25	152 <sup>56</sup>						
153 <sup>35</sup>	30	25	152 <sup>54</sup>						
153 <sup>36</sup>	30	25	152 <sup>52</sup>						
153 <sup>37</sup>	30	25	152 <sup>50</sup>						
153 <sup>38</sup>	30	25	152 <sup>48</sup>						
153 <sup>39</sup>	30	25	152 <sup>46</sup>						
153 <sup>40</sup>	30	25	152 <sup>44</sup>						
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153 <sup>42</sup>	30	25	152 <sup>40</sup>						
153 <sup>43</sup>	30	25	152 <sup>38</sup>						
153 <sup>44</sup>	30	25	152 <sup>36</sup>						
153 <sup>45</sup>	30	25	152 <sup>34</sup>						
153 <sup>46</sup>	30	25	152 <sup>32</sup>						
153 <sup>47</sup>	30	25	152 <sup>30</sup>						
153 <sup>48</sup>	30	25	152 <sup>28</sup>						
153 <sup>49</sup>	30	25	152 <sup>26</sup>						
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153 <sup>51</sup>	30	25	152 <sup>22</sup>						
153 <sup>52</sup>	30	25	152 <sup>20</sup>						
153 <sup>53</sup>	30	25	152 <sup>18</sup>						
153 <sup>54</sup>	30	25	152 <sup>16</sup>						
153 <sup>55</sup>	30	25	152 <sup>14</sup>						
153 <sup>56</sup>	30	25	152 <sup>12</sup>						
153 <sup>57</sup>	30	25	152 <sup>10</sup>						
153 <sup>58</sup>	30	25	152 <sup>08</sup>						
153 <sup>59</sup>	30	25	152 <sup>06</sup>						
153 <sup>60</sup>	30	25	152 <sup>04</sup>						
153 <sup>61</sup>	30	25	152 <sup>02</sup>						
153 <sup>62</sup>	30	25	152 <sup>00</sup>						
153 <sup>63</sup>	30	25	151 <sup>58</sup>						
153 <sup>64</sup>	30	25	151 <sup>56</sup>						
153 <sup>65</sup>	30	25	151 <sup>54</sup>						
153 <sup>66</sup>	30	25	151 <sup>52</sup>						
153 <sup>67</sup>	30	25	151 <sup>50</sup>						
153 <sup>68</sup>	30	25	151 <sup>48</sup>						
153 <sup>69</sup>	30	25	151 <sup>46</sup>						
153 <sup>70</sup>	30	25	151 <sup>44</sup>						
153 <sup>71</sup>	30	25	151 <sup>42</sup>						
153 <sup>72</sup>	30	25	151 <sup>40</sup>						
153 <sup>73</sup>	30	25	151 <sup>38</sup>						
153 <sup>74</sup>	30	25	151 <sup>36</sup>						
153 <sup>75</sup>	30	25	151 <sup>34</sup>						
153 <sup>76</sup>	30	25	151 <sup>32</sup>						
153 <sup>77</sup>	30	25	151 <sup>30</sup>						
153 <sup>78</sup>	30	25	151 <sup>28</sup>						
153 <sup>79</sup>	30	25	151 <sup>26</sup>						
153 <sup>80</sup>	30	25	151 <sup>24</sup>						
153 <sup>81</sup>	30	25	151 <sup>22</sup>						
153 <sup>82</sup>	30	25	151 <sup>20</sup>						
153 <sup>83</sup>	30	25	151 <sup>18</sup>						
153 <sup>84</sup>	30	25	151 <sup>16</sup>						
153 <sup>85</sup>	30	25	151 <sup>14</sup>						
153 <sup>86</sup>	30	25	151 <sup>12</sup>						
153 <sup>87</sup>	30	25	151 <sup>10</sup>						
153 <sup>88</sup>	30	25	151 <sup>08</sup>						
153 <sup>89</sup>	30	25	151 <sup>06</sup>						
153 <sup>90</sup>	30	25	151 <sup>04</sup>						
153 <sup>91</sup>	30	25	151 <sup>02</sup>						
153 <sup>92</sup>	30	25	151 <sup>00</sup>						
153 <sup>93</sup>	30	25	150 <sup>58</sup>						
153 <sup>94</sup>	30	25	150 <sup>56</sup>						
153 <sup>95</sup>	30	25	150 <sup>54</sup>						
153 <sup>96</sup>	30	25	150 <sup>52</sup>						
153 <sup>97</sup>	30	25	150 <sup>50</sup>						
153 <sup>98</sup>	30	25	150 <sup>48</sup>						
153 <sup>99</sup>	30	25	150 <sup>46</sup>						
153 <sup>100</sup>	30	25	150 <sup>44</sup>						

158<sup>23</sup>

4-section Venice Ave.  
Brighton to Delmar

2+55 = start in curb on left

6:27	1:27	1:57	6:49	5:45	6:56	4:42	4:58	1:45	1:51	1:58
40	36	30	22	20	4	4	4	18	18	18
					20	20	20			
										Walk

2+25 = start of transition in gutter on Rt

1:30.4	1:36.0	1:55.1	1:54.0	1:53.43	1:53.7	1:53.87	1:53.7	1:54.1	1:53.8	1:53.50	1:53.28	1:53.93	1:54.05	1:54.24
50	36	30	20	20	20	20	18	18	14	18	18	20	25	30
														Walk

2+00

1:55.9	1:54.3	1:53.22	1:53.27	1:53.37	1:53.7	1:53.6	1:53.24	1:53.05	1:53.71	1:53.81	1:53.88
40	30	20	20	18	18	16	18	20	20	25	30
											Walk

1+71 = 9' drive Rt

1+55 (Added 6-7-50 N/84)

1+52 End SW on Lt

1+50

1:53.73	1:53.65	1:53.77	1:53.88	1:53.8	1:53.50	1:53.28	1:53.93	1:54.05	1:54.24	1:53.81	1:53.88
30	25	20	20	18	18	18	20	25	30	30	30
											Walk

1+42 Beg SW on Lt

1+47 = 10' drive Lt

1+05 (Added 6-7-50 N/84)

1+00

1:53.62	1:53.58	1:53.72	1:53.84	1:53.94	1:53.8	1:53.6	1:53.24	1:53.45	1:53.50	1:53.68
30	25	20	20	18	18	15	18	20	25	30
										Walk

1+02 End SW on Lt

1:53.25	1:53.22	1:53.93
30	25	18
		Walk

1/4 section - Venice Ave.  
Brighton to Delmar

Lt.      \$      Rt.

3+27 = Int. of Cape May & Venice Rt. 4 to Venice

156.17      28.82      155.6      155.3  
(50      33      30      20  
Drive)

155.7      155.9      155.74  
10      Edge Pave  
36.4

3+20 = End of Curb on Lt (No Gutter)

155.21  
Cb 20

3+17 = End 2' conc. Gutter on Lt

155.22      154.56      155.1      154.68  
Cb      G      DIRT      G      DIRT  
20      20      18

2+28

157.4      157.5      158.1      155.7      154.89      154.28      157.8      154.40      157.8      155.2      155.1      154.90  
50      37      30      23      Cb      G      DIRT      G      DIRT      27      H.O.S  
Edge Pave  
North Ch. Line Cape May

T.P.      8.82      165.40      2.35      156.58

2+91

(sections here are L to & Venice)

156.0      155.8      154.88      154.21      158.5      154.31      154.6      155.7      155.20      158.83      155.40  
30      22      Cb      G      DIRT      G      DIRT      30      G      33.4      34.4      Cb  
20      18

2+60.13 = Lt 24' 29' (sections are L to back Tang)

157.1      155.3      154.9      154.43      153.77      154.3      153.89      154.2      154.6      154.24      153.57      154.42      154.05      154.70  
36      30      24      Cb      G      DIRT      G      DIRT      18      G      26      25      30  
22      WALK

158.93

X-section Venice Ave.

Lt

C

Rt

12

North west Curb Return - 10'R - 16.6' arc 3 parts

8' length of 12" pipe in Gutter (End on B.C.)

Southwest Curb Return - 10'R - 12.85' arc 2 parts

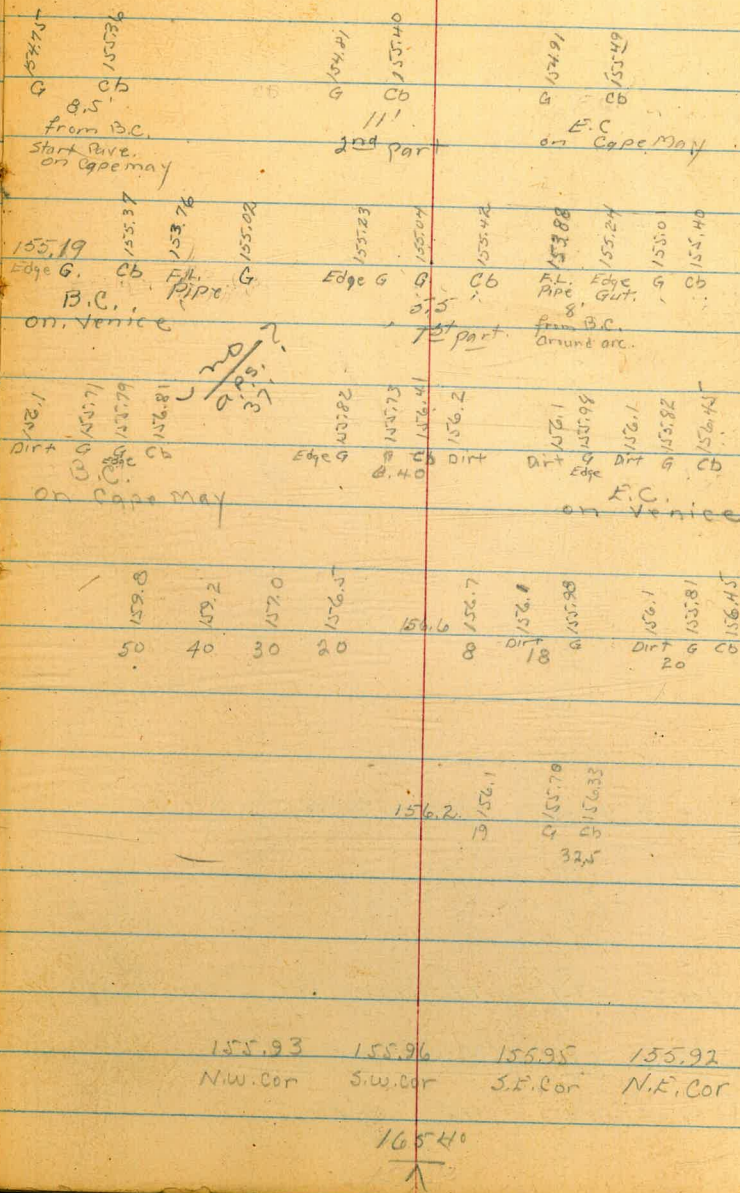
(Gutter stops at E.C. of Return)

3+75 = South P.L. Cape May & Right Angles to E Venice

3+57 = Int. South Ob. Line on Cape May & Rt. Angles to E Venice Ave

3+34 = S.E. Cor 9'x6' Gas Box C.G. Rt

3+30 = N.E. Cor, 4'x6' Gas Box 5' Rt



X-section Venice Ave

Below Notes are on Cape May Ave.

0+39.95 = Edge Pave on & Cape May

155.75	155.84	155.83	156.23
13	13	26	34 39
		CB	walk

from & Venice on & Capemay  
0+58.2 = Edge Pave 28.7 LT

155.40	154.58	155.28	155.98	156.20	156.24
CB	G	13	13	G	34 39
28.7				26	walk
Edge Pave				CB	

from & Venice on & Cape May  
0+65.8 = West Pit Venice

155.65	155.60	154.97	155.49	155.64	156.20	156.02	156.02	156.07	156.07	156.07	156.07
39	34	0	26	13	13	9	2	26	34	39	39
walk									walk		

0+90 from & Venice on & Cape May

156.07	156.07	155.24	155.34	155.92	156.32	156.42	156.27	157.34	158.02	157.11
39	34	G	26	13	13	13	G	26	34	39
walk								Drive	walk	

1+39 Rt. & Venice on & Cape May

156.77	156.21	155.90	155.69	156.43	156.73	156.82	156.79	157.39	157.41	157.50
39	34	G	26	13	13	13	G	26	34	39
walk									walk	

Start 139' on & Cape May from & Venice

Notes on Cape May Ave.

(sections 1 to & Cape May)

16540  
↑  
13



1.88  
95  
1.553

X-section Venice

4+81 = Start of Gutter Lt.

4+64 = 11' drive Lt.

4+57 End Conc Walk on Rt.

4+55.5 = End Gutter Lt.

4+54 Beg 3' Conc Walk on Rt.

4+50

Sidewalk also  
4+05 = Start Curb & Gutter on Lt.

4+00

Lt

C

Rt

14

161.12  
9  
20  
160.85  
18  
160.20

163.3  
43  
30  
25  
160.25  
160.63  
159.84  
Walk

159.67  
9  
20  
159.24  
100  
159.10

160.90  
20.5  
WALK  
161.50  
28.5  
WALK

163.0  
35

162.8  
159.81  
159.65  
159.44  
159.80  
159.26  
159.3

35  
30  
25  
20  
18  
159.8  
100.0  
159.8  
12

160.74  
20.5  
WALK  
161.45  
28.5

159.84  
159.77  
159.43  
161.3  
162.4  
163.4  
18  
20  
28  
34  
35

160.2  
50

156.57  
Dirt

157.2  
157.40  
157.4  
156.28  
155.88  
157.3  
155.99  
157.1  
157.3  
157.4  
10  
157.6  
157.0  
156.77  
157.1  
156.64  
157.25  
158.4  
160.8  
161.8

18  
9  
18  
20  
28  
34  
50

160.4  
48  
30  
20  
15  
157.2  
157.3  
157.3  
157.2  
157.3  
9

156.8  
156.58  
156.9  
156.41  
157.08  
158.0  
160.7  
161.4  
18  
9  
20  
29  
33  
50

160.40

X-section Venice Ave.

Lt.

C

Rt.

5

5764.84 = South line of Alley diagonal to E Venice  
(section for grade only)

167.7  
20 167.24  
3 167.3  
86 162.24  
Dirt CB 167.2  
27 167.20  
50 167.8

5757.4 ± = B.C. 3' Return Junc. to E Venice  
(section for grade only - No quantity)

168.5  
43 167.5  
30 167.9  
25 166.9  
Cb 166.2  
20 166.27  
9 166.34  
18 166.3  
11 167.2  
11 167.5  
18 167.4  
9 167.28  
20 167.91  
5 168.3  
26 168.5  
30 168.5

5748 = start of Gutter - Rt.

18 166.2  
30 166.46  
21 166.56

5742.86 = North line Alley diagonal to E Venice  
(this section for grade only not quantity).

166.3  
21 165.6  
Cb 166.20  
27.4 166.2  
83 166.2  
50 167.2

Gutters Ends Rt.

5733 = 7' drive Lt

167.28  
50 165.23  
30 165.24  
25 164.97  
Drive 164.48  
20 164.48  
9 164.48  
18 164.55  
165.6  
11 165.6  
18 165.53  
9 165.52  
21.9 166.07  
30 166.8  
50 167.6

5729.0 ± = B.C. of 23' Return Rt.

T.P.

9.32 174.47 0.25 165.5

5700

165.4  
40 163.24  
30 163.0  
25 162.20  
6 162.20  
9 162.23  
18 162.22  
15 162.2  
163.2  
11 163.4  
18 163.39  
9 163.28  
20 163.9  
31 164.4  
36 167.7  
50 167.7

4787 = 9' drive Lt

164.50  
41 163.33  
30 162.9  
25 161.47  
Drive 161.54  
20 161.54  
18 161.54

165.40

X-section Venice Ave

7+25 = 8' drive Lt

7+05 = Break in Curb line

6+72.5 = 18' double drive Lt

Check B.M.

375

180.24  
180.23

T.P.

9.74

183.98

0.23

174.24

6+50

6+30 Drive on Rt.

6+27.5 Drive on Rt.

6+25 = 16' drive Rt

6+13 Drive on Rt.

6+10 Drive on Rt.

6+00

see sketch

1720  
50

1713  
37  
1702  
30  
1701  
25  
1699  
20  
1698  
18

Walk

17447

Lt.

Rt.

Rt.

16

1793  
50  
1779  
30  
1778  
25  
1777  
20  
1776  
18

Walk

1791  
50  
1777  
30  
1775  
25  
1773  
20  
1769  
18

Walk

1760  
50  
1757  
30  
1750  
25  
1744  
20  
1743  
18

Walk

S.W.B.P. Saratoga & Venice

1748  
45  
1721  
30  
1734  
25  
1734  
20  
1723  
18  
1733  
12

Walk

173.6

1740  
9  
1734  
18  
1732  
9  
1743  
20  
1742  
28  
1754  
40

27220

24

27223

30

17189  
18  
17181  
20  
17253  
24  
17326  
43

17225

20

27225

24

Drive

1702

1706  
11  
17024  
18  
17012  
9  
17027  
20  
1712  
28  
1720  
50

1702

1 section Venice Ave.

Lt.

£

Rt.

19

South West Curb Line - 10' R - 11.8' arc - 2 parts - 5.9' each

179.50  
179.57  
180.22  
Edge G CB  
B.C.  
on Venice

179.62  
179.60  
180.20  
Edge G CB  
59

179.66  
179.59  
180.22  
Edge G CB  
F.C. (Gutter Ends Here)  
on Saratoga

7+84.48 = South Curb Line Saratoga & Diagonal to £

Venice

180.0  
179.62  
179.57  
180.22  
179.53  
180.16  
179.96  
179.57  
21.5  
0  
28.6  
32.7  
82.7  
Gutter  
Edge Pave

7+78 = £ 10 drive Lt

182.14  
179.26  
179.14  
178.24  
178.24  
178.2  
178.41  
178.5  
50  
30  
25  
Drive  
90  
G  
Dirt  
9  
18  
Dirt

7+62.51 = £ Saratoga Ave Diagonal to £ Venice

179.4  
178.83  
178.51  
32.70  
82.7  
Edge Pave

7+50

180.2  
178.57  
178.47  
178.22  
177.68  
177.80  
178.2  
179.0  
179.1  
178.82  
50  
30  
25  
CB  
90  
G  
18  
14  
12  
29.7  
Edge Pave

Northwest Curb Return - 10' R - 21' arc - 3 parts - 7' each

(Gutter stops 5' from E.C.)  
(Pavement ends 4' from E.C.)

177.24  
177.58  
178.22  
177.64  
177.59  
178.26  
177.1  
177.59  
178.26  
177.25  
177.64  
177.64  
178.24  
Edge G CB  
B.C.  
on Venice  
Edge G CB  
17'  
17'  
17'  
Edge G CB  
5'  
5'  
5'  
F.C.  
(on Saratoga)

7+40.54 = North Curb Line Saratoga Diagonal to Venice

178.6  
177.20  
177.69  
178.24  
177.21  
177.64  
32.8  
32.3  
82.3  
Edge Pave  
182.98  
1



X-section Venice Ave.  
Brighton to Del. mar.

10+50

Lt.

¢

Rt.

19

1949  
20  
1942  
18

1950

1952  
18  
1954  
20  
1955  
30  
1964  
42

T.P.

12.27    209.25    0.37    191.98

10+00

1912  
20  
1915  
18

1912

1922  
18  
1927  
20  
1927  
30  
1932

9+88 = ¢ 9' drive Lt.

1916  
20  
1904  
20  
1903  
18  
1904

(for Grade only)

9+82.27 = South Prop. line Alley diagonal to ¢ Venice.

190.8  
190.5  
190.5  
190.4  
191.8  
191.0  
191.2  
191.4

9+74.5 ± = B.C. Curb Return 3' Radius

190.2  
190.5  
191.2

9+70.10 = ¢ M.H.

190.19  
on west  
Rim

= Gas Valve 10.7 Rt to ¢

9+60.29 = North line Alley Rt diagonal to ¢ Venice  
(for Grade only)

189.4  
10.7  
189.1  
19.8  
23  
189.7  
25  
189.8  
20  
190.5

192.35

X-section Venice Ave.

Lt.      #      Rt

11764

2004	1995	1996	2005	2008	2008	2008
cb	G	18	7		10	18
20						edge
						Base

1157.90 = North Curb Line Santa Monica diagonal to Venice

200.5	2004	1995	2002	2002	2002	2003
	19.5		37.5	cb	cb	cb
	20					20
						20

1137 = 12' drive Lt

1996	1984	1990
20	20	18

1123 = Break in Curb & Gutter

1998	1988	1985	1990	1992	1992	1992	1992	2002	2003
cb	G	18		17	18	G	cb	cb	30
20						20			

1100

1978	1978	1972	1978	1985	1987	1988	1992	2011
cb	G	18		18	20	20	32	41

1067 = 12' drive Lt

1989	1989	1989
25	20	18

204/25  
X

X-section Venice Ave.

12+10 = Break in Gutter & Curb

Southwest Curb Return - 10'R 12.2' arc 2 parts

Note!! (Sidewalk has Risen or Curb has Sunk on Venice Ave.)

Northwest Curb Return - 10'R - 217' arc - 3 parts

(For Grade only)

12+01.84 = South Curb line Santa Monica diagonal to & Venice

12+00

11+88 = & 8' drive Lt.

11+79.87 = & Santa Monica diagonal to & Venice

Lt. & Rt.

201.26  
200.87  
200.87  
18  
201.7  
11  
202.3  
202.4  
201.9  
18  
200.25  
200.20  
201.27  
201.65  
201.65  
26.7  
199.21  
sidewalk

200.73  
201.47  
200.21  
201.36  
CB  
B.R.  
on Santa Monica  
6.4  
1.1  
200.2  
201.83  
on Venice

199.58  
200.09  
200.09  
4.1  
7.2  
on Santa Monica  
199.55  
200.18  
200.18  
4.2  
14.4  
on Venice

19.7  
200.87  
201.21  
201.21  
200.28  
201.26  
201.26  
78  
201.26

201.20  
200.38  
200.52  
18  
201.2  
20  
201.7  
201.4  
200.22  
200.59  
201.34  
201.37  
201.37  
201.37  
sidewalk

200.96  
200.28  
200.00  
200.2  
200.2  
18

201.1  
200.25  
201.4  
201.50  
19.2  
Edge  
201.50  
50  
100  
57425  
V



X-Section Venice Ave  
Brighton to Del Mar

22

13+50

T.P. 9.36 222.94 0.32 213.58

13+42 = End Trees 28' RT

13+34 = 8' drive Lt

13+00 = Trees 28.8' RT

12+88 = 11' drive Lt

12+50 = Trees 27.5' RT

T.P. 9.72 213.90 0.07 204.18

12+38 = 7' drive Lt

12+14

Row Cypress trees 28.3 RT

12+13 = start 8' wide wall 3' High 29.8 RT

Lt. \$ Rt.

21227	21228	21247	21321	2131	2133	2134	2138	2144	2151
G	CB	18	6		11	18	6	20	20
20	20								29.5

222.94

21173	21085	21147
25	20	18

20805	20864	20815	20855	2087	2089	20867	20854	20929	2101	2112
G	CB	18	10		10	18	G	CB	Grd	Topwall
20	20						20	20	29.8	

20789	20795	20709
25	20	18

20445	20443	20415	2042	2048	2044	20424	20410	20425	2062	2084
G	CB	18	11		Dirt	G	G	CB	Dirt	Topwall
20	20				18	20	20	20	29.8	

213.90

20295	20287	20296
20	20	18

20214	20206
22	25
sidewalk	

20425

20598	2032
Top wall	Grd
29.8	29.8





X-section Venice Ave

25

T.P.

3.51 233.77 270 230.26

North west curb Return 10'R - 16'-arc 3 parts

7' Tack N.W. cor. Newport & Venice  
 Lt. Rt.  
 229.71 229.51 230.14 229.51 229.51 230.14  
 G C B C B C B C B C  
 B.C. Cb edge #1 edge #2 F.C. on Newport  
 on Venice

16 + 12.81 = South Curb line Newport

230.2 230 230 230.4 229.2 229.49 230.12 226.47 227.35  
 50 30 20 15 30 30 80

15 + 92.81 = ♀ Newport Ave.

230.2 230 230.2 230.1 230.1 229.84 228.72 226.00  
 50 30 20 15 30 30 100

15 + 84 = 9.2' Rt to center of Gate Valve

230.5 230.2 229.9 229.18 229.54 230.15 226.45 227.11  
 50 30 20 15 30 30 80  
 9.2

15 + 72.81 = North Curb line Newport

229.9 229.1 228.8 229.2 229.67 229.72 280.15  
 50 30 20 18 20 20

15 + 52.81 = North Prop line Newport ⊥ to ♀ Venice

229.42 229.30 229.17 228.48 228.07 229.1 229.2 229.47 229.57 230.17  
 30 25 20 20 18 10 18 20 20 20  
 Walk

15 + 50 = End Curb, Gutter & sidewalk Lt.

233.96  
 ↑

X-section Venice Ave.

76

17+00

Lt.		℄	Rt.	
231.1	231.7	230.8	231.1	231.4
50	30	15	14	29

16+95 = \$ 14' drive 14' Rt to asphalt drive

231.3	231.6	231.99	232.4
14	15	29	32
Asphalt		apron floor conc.	

16+77 = \$ 7' drive 30' Lt

231.25	231.79
50	30

16+67

232.7	232.2	231.7	231.5	231.4	231.4	231.4	232.2	232.5	232.5
45	30	20	17	12	9	19	30	32	

16+35 = \$ 3' sidewalk 30' Lt

232.56	232.34
34	30

16+32.81 = South Prop. line Newport

232.7	232.7	231.7	230.7	230.4	231.1	230.2	231.2
47	30	18	19	18	20	20	20
grd wall							

16+24

230.2	231.2	231.2	230.2	230.6	230.2	230.5	230.39
50	30	20	10	14	20	25	Edge walk

233.77

X-section Venice Ave.  
Brighton to Delmar

Lt.      \$      Rt.

29

18+00

2264	2267	2264	2269	2262	2262	2262	2267
50	30	22	17	2262	9	0.1	0.2
						20	0.2

17+94.87 = B.C. of 2' Curb Return Rt

2264  
2275  
06

17+92.87 = South Prop Line Alley Rt

2267	2274	2264	2265	2265	2265	2275	2275	2275	2275	2275	2275
50	30	21	17	2265	18	2275	2275	2275	2275	2275	2275
						22	05	05	05	05	05

17+82.87 = 4' Alley

2272	2272	2273	2274	2274	2274	2274	2274	2274
50	30	22	17	2274	11	30	50	50

Black Top

17+72.87 = North Prop Line Alley Lt.

2272	2275	2275	2275	2276	2272	2280	2284	2284
50	30	28	16	2276	16	30.2	50	50

Black Top

17+50

2279	2284	2284	2287	2280	2280	2291	2291	2291
50	30	19	15	2280	14	27	30	50

233.77  
↑











X-section Venice Ave.

25+52 = Power Pole 22.6' RT #1779

25+55.6 = B.C. 2.5' Curb Return Lt.

209<sup>27</sup> 209<sup>1</sup>  
cb 9rd  
20

25+53.19 = South Prop. line Alley

208<sup>2</sup> 209<sup>28</sup> 209<sup>4</sup> 209<sup>5</sup> 209<sup>2</sup> 208<sup>2</sup> 209<sup>9</sup> 210<sup>1</sup> 216.6 211<sup>8</sup> 212<sup>7</sup> 213<sup>5</sup>  
50 cb 30 cb 9rd 18 6 20 30 40 80

25+43.7 = E of M.H.

209<sup>20</sup>  
North Rim

4' side // to E Venice

25+38 = E 4'x3.5' Gas Box 8' RT

209<sup>20</sup> 209<sup>27</sup> 209<sup>26</sup> 209<sup>88</sup>  
N.W. cor S.W. cor S.E. cor N.E. cor

25+33.19 = North Prop. line Alley

207<sup>5</sup> 209<sup>28</sup> 208<sup>93</sup> 209<sup>20</sup> 209<sup>2</sup> 208<sup>0</sup> 209<sup>5</sup> 210<sup>2</sup> 210<sup>5</sup> 211<sup>21</sup> 211<sup>29</sup> 213<sup>1</sup>  
50 cb 30 9rd cb 9rd 18 15 9rd cb 9rd cb 22 30 50

25+31.5 = B.C. of 2.5' Curb Return Alley

208<sup>21</sup> 208<sup>1</sup> 210<sup>2</sup> 210<sup>88</sup>  
cb 9rd 9rd cb  
20 20

T.P. 6.38 215.31 0.57 208.93

25+00

207<sup>60</sup> 206<sup>5</sup> 207<sup>2</sup> 208<sup>1</sup> 208<sup>2</sup> 208<sup>6</sup> 209<sup>59</sup>  
cb 9rd 8 12 9rd cb  
20 20

24+50

205<sup>30</sup> 204<sup>5</sup> 206<sup>2</sup> 206<sup>2</sup> 206<sup>6</sup> 206<sup>2</sup> 207<sup>55</sup>  
cb 9rd 4 10 9rd cb  
20 20

209<sup>44</sup>  
1

X-section Venice Ave

27+33.21 = ♀ Del Monte

	<u>Lt.</u>	♀	<u>Rt.</u>
	2089		
	50	2094	2104
		30	20
			2110
			2123
			30
			2133
			50

North  
27+13.21 = Curb line on Del Monte to East

2088 <sup>33</sup>	2081	2092 <sup>33</sup>	2082	2096	2102	2112
CD	9rd	cb	9rd	20		30
	50		30			

North  
27+07.21 = Curb line on Del Monte to West

2092	2102	2114	2122	2125	2131	2135
20	20	20	9rd	cb	9rd	cb
			30		50	

26+93.21 = North Prop. line Del Monte

2102 <sup>0</sup>	2101	2102	2111	2112	2122	2128	2142
cb	9rd		9	19	28	30	50
20							

26+50

2102 <sup>7</sup>	2097	2110	2112	2112	2119	2123	2141
cb	9rd		11	19	24	30	33
20							

26+10 = ♀ drive 20' Lt.

2102 <sup>0</sup>	2092 <sup>8</sup>
25	20

26+00

2092 <sup>1</sup>	2094	2102	2109	2118	2119	2132
cb	9rd		19	23	30	33
20						

215.31  
↑

X-section Venice Ave.

34

North East Curb Return 10:R 15.6:arc 2 parts

(4' of Curb in Return should be Replaced - from E.C. toward B.C.)

2089	L+ 20983				
grd	cb	209.7	210.27	209.9	210.28
		grd	cb	grd	cb
	on E.C. Del Monte	#1		B.C.	on Venice

Northwest Curb Return 10:R 15.9:arc 2 parts

2120	21253				
grd	cb	211.8	212.34	211.3	212.40
		grd	cb	grd	cb
	on E.C. Del Monte	#1		B.C.	on Venice

Southwest Curb Return - 10:R 16.2:arc 2 parts

(2' section of Curb broken out from B.C. around Arc)

2112	21233				
grd	E.C. cb	211.6	212.20	211.5	212.30
		grd	cb	grd	B.C. cb
	on Del Monte	#1			on Venice

South East Curb Return - 10:R 15.9:arc 2 parts

(Note!! Portion Curb Broken out)

2092	20992				
grd	E.C. cb	209.7	210.22	209.7	210.24
		grd	cb	grd	B.C. cb
	on Del Monte	#1			on Venice

27+73.21 = South Prop. line Del Monte

2098	21017	2105	211.2	211.5	212.34
grd	cb	10	grd	cb	
					20

29+59.21 = South Curb line to West

20980	2102	211.6	212.33	211.9	212.3	213.60
20		22	cb 30	grd	grd	cb
						51

27+53.21 = South Curb line to East

20920	2092	2092	2092	2092	210.9	211.2
cb	grd	cb	30	grd	20	30
	50					

215.31

X-section Venice Ave.  
Brighton to Del Monte

Lt.

E

Rt.

ms

29+23<sup>5</sup> = E.M.H.

213<sup>56</sup>  
North Rim

29+13<sup>21</sup> - North Prop Line Alley

211 <sup>5</sup>	212 <sup>4</sup>	212 <sup>3</sup>	212 <sup>2</sup>	212 <sup>1</sup>	213 <sup>3</sup>	213 <sup>5</sup>	214 <sup>1</sup>	214 <sup>49</sup>	214 <sup>58</sup>	215 <sup>7</sup>
50	cb	30	22	20	20	20	22	cb	30	50
										End CB

29+11<sup>21</sup> B.C. 2' Curb Return Alley

212 <sup>36</sup>	211 <sup>9</sup>	213 <sup>5</sup>	214 <sup>39</sup>
cb	G	G	cb
20	20	20	20

29+00

212 <sup>17</sup>	211 <sup>6</sup>	211 <sup>8</sup>	212 <sup>2</sup>	213 <sup>2</sup>	214 <sup>25</sup>
cb	G	15	G	G	cb
20	20				20

28+50

211 <sup>29</sup>	210 <sup>7</sup>	211 <sup>3</sup>	212 <sup>3</sup>	212 <sup>5</sup>	213 <sup>46</sup>
cb	G	15		G	cb
20	20			20	20

28+00

210 <sup>6</sup>	210 <sup>58</sup>	210 <sup>8</sup>	211 <sup>6</sup>	211 <sup>2</sup>	212 <sup>20</sup>
G	cb	14		G	cb
20				20	20

T.P.

5.72  $\frac{218.12}{\wedge}$  2.92 212<sup>39</sup> S.W.B.P. Del Monte & Venice

$\frac{215.31}{\wedge}$

X-section Venice Ave

Brighton to Delmar

Note: Santa Cruz intersection is

Paved - Sections omitted -

30+73.20 = North Prop Line Santa Cruz

30+35

30+00

29+65

29+35.31 = B.C. 2' Curb Return Alley

29+33.21 = South Prop Line

46

Lt.

±

Rt.

214 <sup>93</sup> Cb 20	214 <sup>44</sup> G 20	215 <sup>8</sup> 10	215 <sup>26</sup>	216 <sup>0</sup> 10	216 <sup>22</sup> G 20	216 <sup>85</sup> Cb
-------------------------------	------------------------------	------------------------	-------------------	------------------------	------------------------------	-------------------------

214 <sup>30</sup> Cb 20	213 <sup>8</sup> Grd	214 <sup>2</sup> 12	215 <sup>3</sup>	215 <sup>6</sup> 10	215 <sup>4</sup> Grd	216 <sup>30</sup> Cb 20
-------------------------------	-------------------------	------------------------	------------------	------------------------	-------------------------	-------------------------------

213 <sup>25</sup> Cb 20	213 <sup>3</sup> Grd	213 <sup>2</sup> 11	214 <sup>6</sup>	214 <sup>8</sup> 12	214 <sup>8</sup> Grd	215 <sup>24</sup> Cb 20
-------------------------------	-------------------------	------------------------	------------------	------------------------	-------------------------	-------------------------------

213 <sup>14</sup> Cb 20	212 <sup>8</sup> Grd	213 <sup>4</sup> 12	214 <sup>0</sup>	214 <sup>2</sup> 14	214 <sup>2</sup> Grd	215 <sup>24</sup> Cb 20
-------------------------------	-------------------------	------------------------	------------------	------------------------	-------------------------	-------------------------------

212 <sup>29</sup> Cb 20	212 <sup>2</sup> Grd
-------------------------------	-------------------------

213 <sup>2</sup> Grd	214 <sup>27</sup> Cb 20
-------------------------	-------------------------------

212 <sup>2</sup> 50	212 <sup>5</sup> Grd 30	212 <sup>34</sup> Cb	212 <sup>24</sup> Cb 22	212 <sup>6</sup> Grd 22	212 <sup>2</sup> 20	213 <sup>6</sup>	213 <sup>2</sup> 20	214 <sup>4</sup> Grd 27	214 <sup>24</sup> Cb	214 <sup>7</sup> Grd 30	215 <sup>29</sup> Cb 30	215 <sup>8</sup> 50
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213<sup>12</sup>

4 Section Venice Ave  
Brighton to Del Mar

Lt.

\$

Rt.

37

33+03<sup>23</sup> = E.M.H.

221<sup>6</sup> 221<sup>8</sup> 221<sup>9</sup> 221<sup>3</sup> 222<sup>97</sup> 223<sup>1</sup> 223<sup>4</sup> 223<sup>2</sup> 225<sup>6</sup>  
50 30 23 19 North Elm 17 20 30 50

32+93<sup>23</sup> = North Prop. line Alley

221<sup>5</sup> 222<sup>14</sup> 222<sup>15</sup> 222<sup>16</sup> 221<sup>3</sup> 222<sup>5</sup> 222<sup>2</sup> 223<sup>8</sup> 224<sup>12</sup> 224<sup>24</sup> 224<sup>24</sup> 224<sup>9</sup>  
50 30 30 30 30 30 30 30 30 30 30 30 30  
Cb Grd Grd Cb Cb Grd Cb Cb Cb Cb Cb Cb Cb

32+91<sup>23</sup> = B.C. 2' Curb Return

221<sup>98</sup> 221<sup>0</sup> 222<sup>5</sup> 223<sup>8</sup>  
Cb G G Cb  
20 20

32+50

220<sup>22</sup> 219<sup>1</sup> 220<sup>6</sup> 221<sup>3</sup> 221<sup>5</sup> 221<sup>3</sup> 222<sup>24</sup>  
Cb G 10 12 G Cb  
20 20

32+00

219<sup>1</sup> 218<sup>6</sup> 219<sup>2</sup> 220<sup>2</sup> 220<sup>3</sup> 220<sup>1</sup> 221<sup>14</sup>  
Cb G 10 12 G Cb  
20 20

31+53<sup>20</sup> = South Prop line Santa Cruz Ave

217<sup>20</sup> 217<sup>25</sup> 218<sup>6</sup> 218<sup>53</sup> 218<sup>23</sup> 218<sup>27</sup> 219<sup>62</sup>  
Cb G 10 10 G Cb  
20 20

T.P.

10.95 228<sup>35</sup> 0.72 217<sup>40</sup>  
K

218<sup>13</sup>  
K



K-section Venice Ave.

Lt.

Rt.

Rt.

2/8

35+33<sup>27</sup> - South Prop. line Coronado Ave.

Note!! Coronado Paved - Omitted

Sections in Intersection.

T.P. 4.87 233.04 0.14 228<sup>17</sup> - 228<sup>21</sup>

34+53<sup>27</sup> - North Prop Line Coronado Ave.

Corrected T.  
S.W.B.P. Venice & Coronado Ave.

226<sup>19</sup> 225<sup>25</sup> 226<sup>52</sup> 226<sup>89</sup> 227<sup>30</sup> 227<sup>42</sup> 228<sup>15</sup>  
Cb G 10 10 G Cb  
20 20

225<sup>14</sup> 224<sup>60</sup> 225<sup>32</sup> 225<sup>21</sup> 226<sup>26</sup> 226<sup>44</sup> 227<sup>18</sup>  
Cb G 10 10 G Cb  
20 20

34+00

224<sup>22</sup> 223<sup>5</sup> 224<sup>2</sup> 224<sup>2</sup> 225<sup>2</sup> 225<sup>1</sup> 226<sup>21</sup>  
Cb G 12 12 G Cb  
20 20

33+50

223<sup>23</sup> 222<sup>6</sup> 223<sup>8</sup> 223<sup>2</sup> 224<sup>3</sup> 224<sup>1</sup> 225<sup>32</sup>  
Cb G 14 12 G Cb  
20 20

33+15<sup>23</sup> - BC 2' Curb Return Alley

Note!! (10' section of curb on left is broken - from Cb line to Prop. line.)

222<sup>66</sup> 221<sup>7</sup> 223<sup>4</sup> 224<sup>66</sup>  
Cb G Grd Cb  
20 20

33+12<sup>23</sup> = South Prop line Alley

5' feet 223<sup>2</sup> 223<sup>6</sup> 224<sup>1</sup> 224<sup>64</sup> 244<sup>6</sup> 224<sup>93</sup> 2260  
50 20 Grd Cb and Cb 50  
30 22 30 20

X-section Venice Ave-

36+95<sup>27</sup> = B.C. 2' Curb Return Alley

36+93<sup>27</sup> = South Prop. Line Alley

36+83<sup>27</sup> = £ N.H.

36+73<sup>27</sup> = North Prop. Line Alley

36+71<sup>27</sup> = B.C. 2' Curb Returns Alley

36+50

36+00

35+84 = £ 10' drive Lt.

Ct.      £      Rt.

		227 <sup>28</sup>	226 <sup>6</sup>		228 <sup>0</sup>	229 <sup>29</sup>	
		Cb	Grd		Grd	Cb	
		20			20		
227 <sup>0</sup>	227 <sup>46</sup>	227 <sup>71</sup>	227 <sup>83</sup>	227 <sup>90</sup>	226 <sup>7</sup>	227 <sup>4</sup>	227 <sup>6</sup>
50	Cb	Grd	Cb	Grd	20	6	12
	30		22				20
							225 <sup>0</sup>
							228 <sup>2</sup>
							20
							228 <sup>8</sup>
							Grd
							Cb
							22
							229 <sup>25</sup>
							Grd
							Cb
							229 <sup>2</sup>
							Grd
							Cb
							229 <sup>51</sup>
							20
							230 <sup>7</sup>
							50

				227 <sup>52</sup>			
				Rim			
				North			
	227 <sup>3</sup>	227 <sup>42</sup>	227 <sup>24</sup>	226 <sup>9</sup>	227 <sup>2</sup>	228 <sup>2</sup>	229 <sup>4</sup>
	50	Cb + Grd	Cb + Grd	20	20	Grd	Cb
		30	22			22	20
							229 <sup>1</sup>
							229 <sup>49</sup>
							Cb
							20
							229 <sup>49</sup>
							Grd
							Cb
							230 <sup>2</sup>
							50

227 <sup>22</sup>	226 <sup>8</sup>	228 <sup>2</sup>	229 <sup>20</sup>
Cb	G	G	Cb
20		20	

227 <sup>07</sup>	226 <sup>2</sup>	227 <sup>1</sup>	227 <sup>2</sup>	228 <sup>2</sup>	228 <sup>4</sup>	229 <sup>06</sup>
Cb	G	13	12	G	G	Cb
20						20

226 <sup>63</sup>	226 <sup>4</sup>	226 <sup>8</sup>	227 <sup>5</sup>	227 <sup>9</sup>	227 <sup>2</sup>	228 <sup>69</sup>
Cb	G	14		12	G	Cb
	20					20

226 <sup>91</sup>	226 <sup>65</sup>	225 <sup>29</sup>
32.5	25	20
Floor		
		233 <sup>04</sup>





Intersection of Alley  
& Venice St Between  
Saratoga & Santa Monica

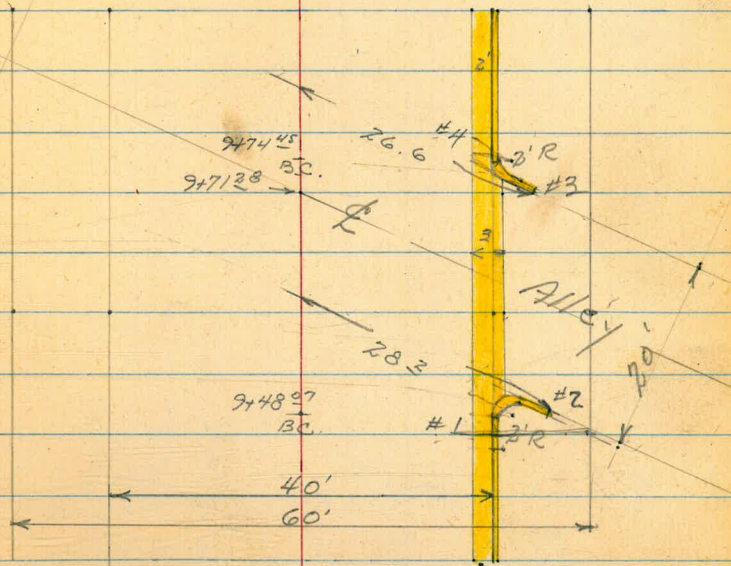
42

See Page 3

Curb Elevations	#4 = 191 <sup>21</sup> = B.C.
	#3 = 191 <sup>06</sup> = End Curb
	#2 = 189 <sup>27</sup> = End Curb
	#1 = 189 <sup>64</sup> = B.C.

Self Reading Rod used.

B.M. Rim M.H. 190.19



7+62<sup>51</sup>

Saratoga

Alley in Catalina  
 Villas & Venice Ave  
 Intersection  
 (No Returns) -

43

(See Page 3)

1147987

⊕ Santa Monica

⊕ Venice Ave.

9+27=South Prop Line Alley

1581	1875.9	187.52	157.36	186.72	186.51
55	29.6	24.6	CS 20	G 20	18

⊕ 187.2

9+71.28  
 911.5  
 51.75

⊕ 20' Alley

⊕ 15' Alley

9+19.5 ±

9+12=North Prop Line

187.2	186.64	186.52	186.23	185.81	185.24
55	29.6	24.6	CS 20	G 20	18
		sidewalk			

186.13  
 ⊕

Self Reading Rod used

B.M. = West Rim M.H. = 190.19

7467.51

⊕ Saratoga

Intersection Alley &  
Venice Ave. Between  
Cape May & Saratoga

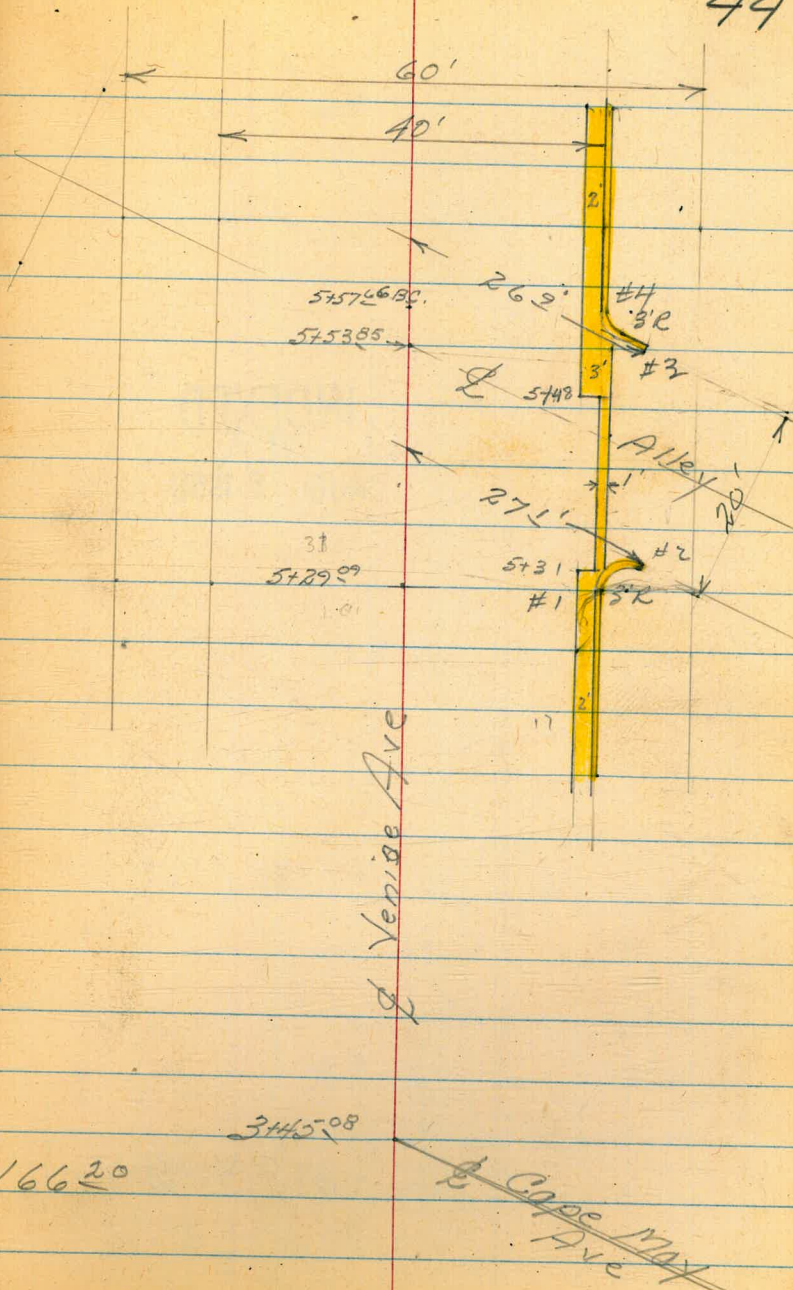
(see P-2)

#4 = B.C. = 167.92  
 #3 = End Curb = 167.80  
 #2 = End Curb = 166.20  
 #1 = B.C. = 165.90

Self Reading Rod Used

B.M. End of Curb 5742.86  
 P-15

44



D. Smith  
Wm. Fay  
E. Sherman  
G. Cota

Line Proposed Sewering Venice St.

45  
WO # 31696  
8-150

248295

612821

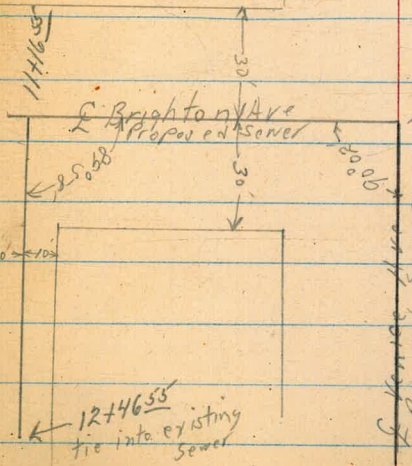
INDEXED

YTK

AUG 2 1950



2 Venice Ave  
Proposed Sewer



911834

2 Venice Ave  
Proposed Sewer

10400

1/8 Lot 16

1/8 Alley

Fd Pipe

30'



D. Smith  
 Wm. Fay  
 E. Sherman  
 G. Coty

Levels + Profile Proposed Sewering

Lt. West      &      Rt. East

Station	Lt. West	Rt. East	Notes
1+44	36	152 2/5 0 1/4 52 Floor	52' RT & House
TP <sub>1</sub>	2 1/6    182 3/2	11 3/8    180 2/3	
1+00	11	180 1/4    182 9/10 866 87 Floor	87' RT & House
0+42	9 2/3	152 2/5    147 3/5 4 2/6 51 1/2 Floor	51 1/2' RT & House
0+00	6 7/8	184 1/4    158 2/3 2 8/8 57 Floor	57' RT & House
0-72	2 2/3	188 1/4    191 6/11 0 0/0 57 Floor	57' RT & House
BM.	11 3/8	191 6/11	
		180 2/3	SWBP Saratoga + Venice Page 18

Venice St

Lt. West      &      Rt. East

Station	Lt. West	Rt. East	Notes
3+78	9 1/4	164 9/10	49' RT & House
3+31	3 2/3	167 2/3    170 8/4 0 2 1/4 46 Floor	46' RT & House
3+00	12	169 1/4	
TP <sub>2</sub>	0 9/5	171 0 8/8	
2+42	9 0	173 1/4    177 3/5 5 3/3 52 Floor	52' RT & House
2+00	6 1/3	176 1/4	
1+87	5 5/11	176 1/2    180 4/3 1 2/6 52 Floor	52' RT & House
	182 3/8		

8-1-50      46

WO # 316 9/2  
 RT = East

5765

42  
155 74

161' RT of forward line extended  
60' Back of RT on forward line

5705 132 RT & House

38  
156 8  
304  
132  
Floor

TP<sub>2</sub>

183

160 64

12 27

158 81

5700 49 RT & House

142  
157 0  
863  
49  
Floor

4449 40 LT & House

53  
165  
5 55  
40  
Floor

301

11 8

4445 49 RT & House

157 5  
144 45  
11 6  
660  
49  
Floor

4700

162 4  
8 7

171 08

7742 55' LT & House

157 43  
0 64  
55  
Floor

7700 45 RT & House

48  
153 2  
0 92  
45  
Floor

7700 55' LT & House

158 07  
0 00  
55  
Floor

TP<sub>4</sub>

442

158 02

706

153 58

6757 55' LT & House

158 24  
1 20  
55  
Floor

6728 52' North East Por. House

159 88  
0 76  
52  
Floor

6700

155 0  
5 6

160 64

25' ahead on Venice  
→ 45' RT E House

72 150.9  
497  
45  
Floor

9+18<sup>34</sup> E Venice  
L.H. E Brighton Ave

65 151.47

8+78 45' RT E House

63 151.8  
358  
45  
Floor

8+32 RT E House

60 152.1  
297  
45  
Floor

8+00

52 152.4

7+80 55' L.H. E House

192 152.19  
54  
55  
Floor

7+70 45' RT E House

53 152.8  
167  
45  
Floor

158.07

11-16<sup>53</sup> E Brighton  
L.H. E Alley Extended

827 145.58

TP 592 153.85

1044 147.93

10+85

10 147.50  
147.57

10+60

924 148.83

10+35

843 149.73

10+00 55' RT E House

725 150.92  
338  
55  
Floor

9+48<sup>5</sup> Begin con paving

720 150.87

158.07

BM

250 151 35 ✓ Page 8  
151 35 SW BP  
Brighton  
Venice

12146 <sup>55</sup>

149  
46

12100

147 8  
61

11146 <sup>55</sup> s Prop Brighton end edge con

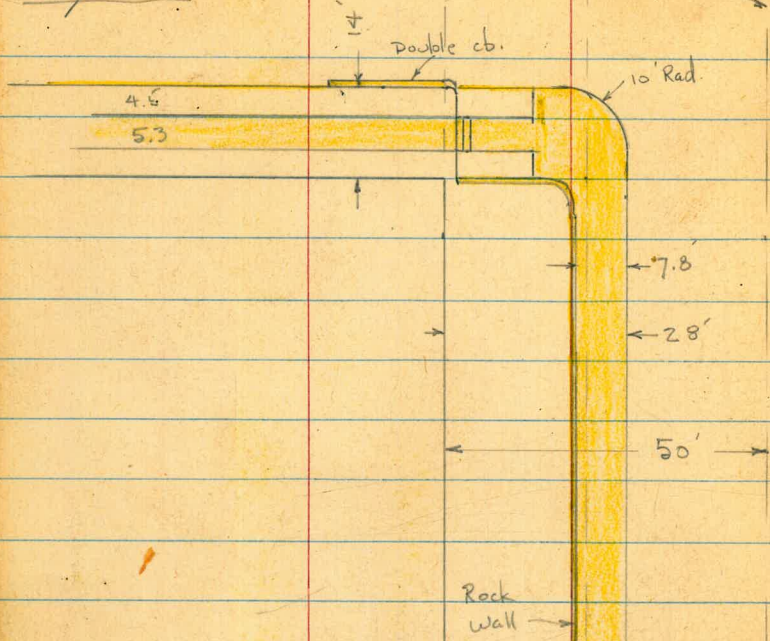
145 62  
8 23

11136 <sup>55</sup> s Cb line Brighton

145 19  
8 20

153 <sup>85</sup>

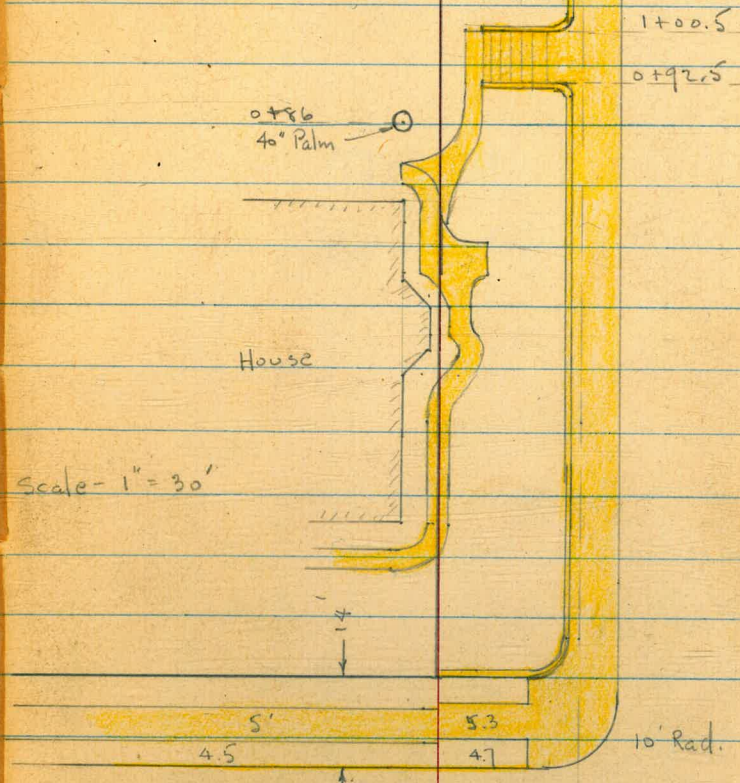
Ivy St.



6 1/2 ft

INDEXED  
MK  
NOV 6 1950

57



Hawthorne St.

osborn?

X-Sect. West. 1/2 of 6th Ave

Hawthorne to Iuy

# 4796

11-3-50 7.0.

w.o. 20743

Base line is  $\pm$  of Rdwy. - 50' E. of W.L.

Lt. = West.

$\pm$  6th  $\rightarrow$  51

INDEXED

NOV 6 1950

0-14 = N. cb.

0-27

0-40 =  $\pm$

0-66 = S. cb. Hawthorne

B.M. 9.57 208.04

198.47 - NWBP. 5th + Hawthorne 208.04 ✓

20141	20051	20101	20126	20232	20182	20182	20185	20282	20251
6.87	7.53	6.97	6.28	5.72	6.42	6.42	6.19	5.72	5.53
100	100	75	75	50	50	36	24	13	
Top	gut	Top	gut.	Top	gut.	gut.			
		20021		20080	20122	20126		20120	
		7.83		7.24	6.65	6.78		6.84	
		100		75	50	35		25	
			19981		20041		20084		20116
			8.23		7.63		7.10		6.88
			100		75		50		
	19852								
	19802								
	19920								
	19862								
	19984								
	19926								
	19917								
	19960								
	19980								
	9.45								
	10.02								
	8.84								
	9.42								
	9.20								
	8.78								
	8.87								
	8.44								
	8.24								
	8.24								

1+00 = Thru Conc. Steps

0+65

0+15

T.P. 9.66 215.84 186 206.18

6+01 - 24.3 ft =  $\phi$  st. sign

along N. edge walk -

Jog at W.L.

Extra shots along edge of walk - See sketch - shows

6+00 = N.L. Hawthorne = face of Rock wall

	215.84	214.01	214.04	213.22	210.84	208.74	208.25	207.66	208.16	208.22	52
	0.4	0.6	0.86	0.89	0.89	7.40	7.59	8.18	7.68	4.6	
	60	50	45.6	42.4	42.4	31.8	Top	22.2	11	4	
			walk	walk	Top of steps	walk	Top	got			
	10.02	1.83	1.80	1.92	5.84	9.34	9.44	10.00	9.51	9.30	
	55.8	53.4	50	43.2	30	30	Top	22.2	11		
	House	at porch	walk	Ely. walk	Top wall	walk	Top	got			
	212.8	212.8	211.2	208.5	207.2	203.82	203.82	203.20	203.78	203.84	
	3.0	3.2	4.5	7.2	8.45	11.86	12.02	12.54	12.06	11.90	
	60	50	42	33	30	30	Top	22.2	11		
					Top wall	walk	Top	got			
						215.84					
						201.85	202.04	202.50	202.50		
						6.21	5.50	5.44	36		
						75	at edge				
						201.28	202.29	202.23	202.23		
						6.26	5.61	5.61	36 = S. edge walk		
						75	at jog				
						S. edge	at jog				
	212.8	206.65	202.5	206.75	202.28	203.14	202.51	203.07	203.24		
	+4.8	1.39	5.4	1.29	5.26	4.90	5.49	4.97	4.80		
	53	50	50	36	36	22.2	22.2	11			
	Top Bank	Top wall	ground	Top wall	walk	Top	got				
						208.04					

1356-P. 44 for shots on walk

2+99.97 = S.L. Ivy.

2+95.5 = N.Hy. of New Bldg.

2+60.5 = outlet of 4" Conc. Tile Drain thru db

See B. 1356-P. 45 for Conc. Steps

2+50

2+18.55 Lt = Sly. of Conc. foundr. of New Bldg.

2+00

T.P. 11.03 224.83 2.04 213.80

1+50

1+29.34 Lt. = ± 14" Palm +48 Lt. = ± 14" Palm

1+24.24 Lt. = ± Meter Box

Note: was wrong in sketch - B. 1356-P. 33

Lt.

6 15 A  
J3

222	222	222	221	219	218	217	218	218	218
2.4	2.53	2.60	3.06	5.30	6.25	6.88	6.59	6.62	6.62
60	50	48.8	35	35	Top	22.1	11	11	6.62
		end wall	Top wall	walk	Top	gut			
218	218	221	222	221	218				218
5.98	3.5	2.4	3	4.6	6.13				
53.6	53.5	50	29.9	29.9	29.9 = walk at wall				
Bot. of Foundr.	ground of Bldg		Top wall						
222	220	220	219	216	216	215	215	215	215
1.92	4.3	4.4	4.1	5.64	8.64	8.82	9.46	9.09	8
floor Bldg.	57 along wall	50	37	29.8 Top wall	29.8 walk	Top	22.2 gut	11	8
				6.2185					
		2.50		6.0					
		55 Top of foundr.		55 = ground					
218	218	218	216	213	213	212	213	213	213
6.3	6.4	6.2	8.15	11.22	11.40	12.05	11.56	11	31
60	50	42	29.9	29.9	Top	22.3	11	11	
			Top wall	walk	Top	gut.			
216	216	216	212	210	210	210	210	210	210
+0.8	+1.1	+0.4	1.62	4.91	5.06	5.66	5.16	4.90	
60	50	38	30	30	Top	22.3	11	11	
			Top wall	walk	Top	gut.			
				22 + 93					
				215.84					





D. Smith  
G. Allen  
J. Williams  
W. Hoffman

BM

438

438

454 21

Assoc Montezuma Rd  
cb only

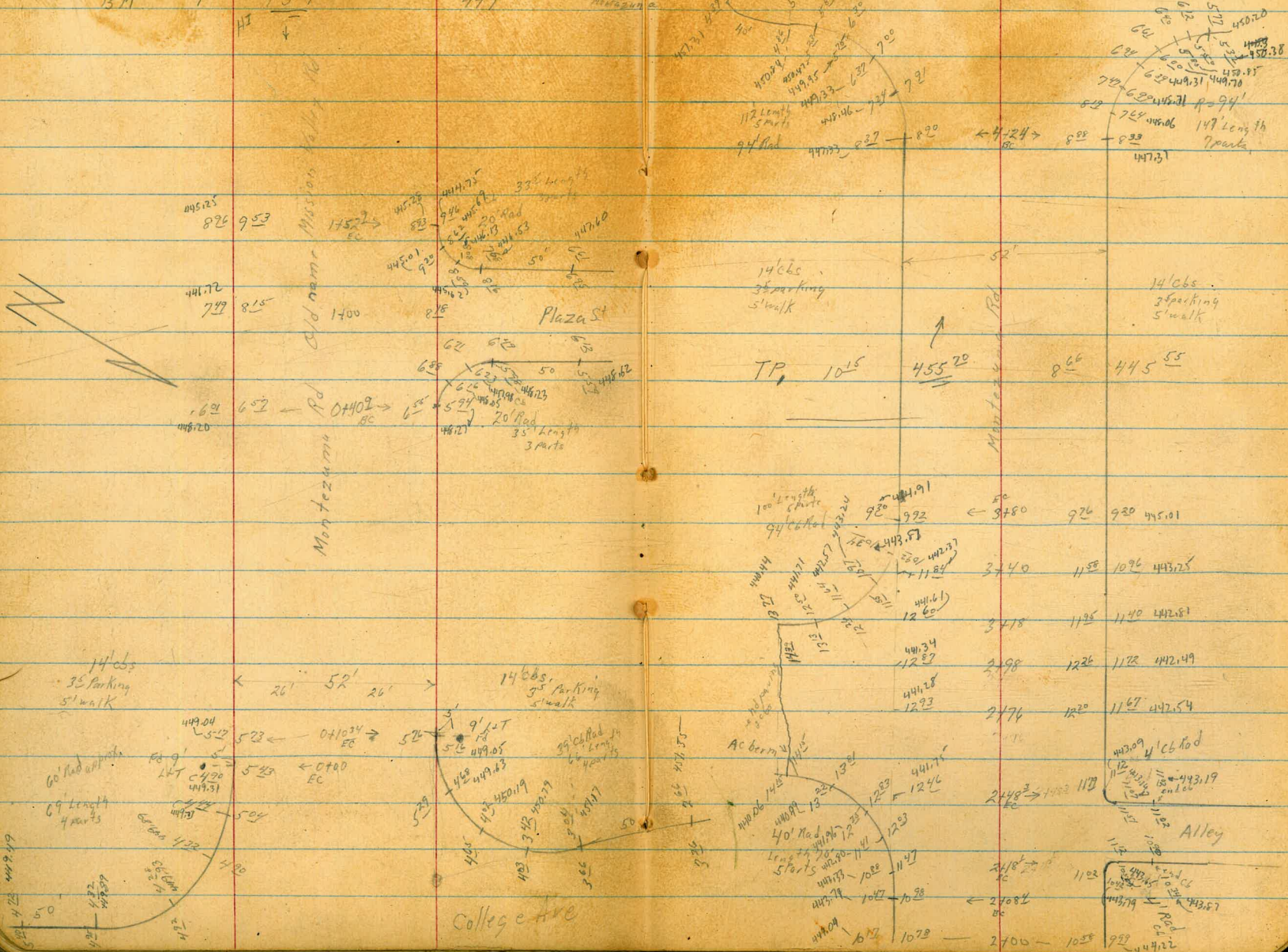
449 83

NEBP College Ave  
Montezuma

UNEXFD

AUG 10 1951

CAMPANILE DR W 25020 SS  
Campanile Dr 8-10-51  
Bstart 588 449 83



Check Elevations on Sewer M.Holes

DELLCREST LANE & MAR AVE.

Walker La Jolla 110 20006  
Pope  
Huffman  
Kello  
10-2-51

INDEXED  
LOW  
OCT 4 1951

Invert MH#2 12.29 275.89  
Rim MH#2 of Bay Buryo 7.39 279.79

Invert of  
= L.M.H. 275.0 = Plan 8145-L

Invert #MH#1 8.33 278.85  
Rim MH#1 Mar. Deforest 1.70 285.48

278.87 = Map 8145-L

T.P. 1.70 287.18 4.54 285.48  
0.90 297.02 296.12

B.M. Conc. Mark N.E. Cor. Pk. 1262  
S.E. Cor. Beverly Hts. Sub. = P.L. Cor.

Ft. B.M. in FB 2025  
4

This line levels Abandoned in favor of Above B.M.  
which are 1 ft. higher levels below were started

T.P. 0.00 183.51  
T.P. 1328 183.51 0.36 170.23

Nail in Guy Pole N.E. Pearl & Miramar

T.P. 1290 170.59 0.44 157.62

T.P. 1318 158.13 0.00 144.95

Nail in Pole N.E. Cor Alley Between High  
at Pearl

T.P. 1325 144.95 0.23 131.70

S.W. B.P. High & Pearl

4.83 127.10

T.P. 1219 131.93 0.07 119.74

S.E. B.P.  
Pearl & Girard

4.64 119.81 115.17

58

Roberts Prelim Sewer Survey in Lot 13 Lemon Villa

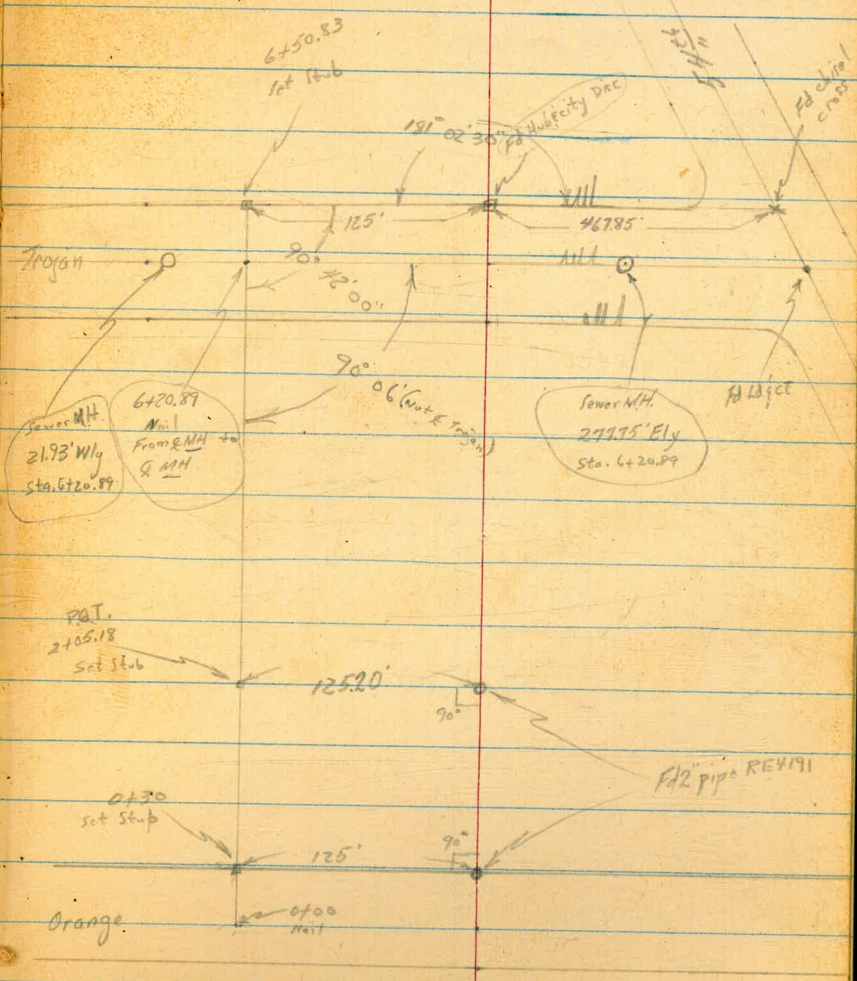
City  
Moore  
Pulley  
10-23-51  
W.O. 62237

Orange to Trojan Ely 53d

TP 23 pg 26 FB 1749 pg 41 May 24 1949

INDEXED  
OCT 25 1951.

59

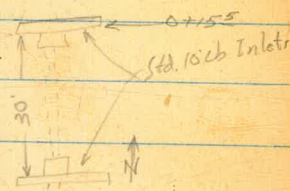


0+54 80<sup>±</sup> Rt. to SW Cor House

0+31 Cross Wire Fence

0+30 Nly Line Orange (?)

0+155 3.6 ft to Near Edge  
 → 10' Curb Inlet



0+00 (30' So. of Nly Line Orange) ?

T.P.	0.80	377.72	7.57	376.92
T.P.	7.13	386.25	0.92	379.12
T.P.	12.01	380.04	0.21	368.03
T.P.	12.15	368.24	0.12	356.09
T.P.	12.53	356.21	0.14	342.68
T.P.	13.6	343.82	10.34	342.46
B.M.	113	35280		351.67 & L&ECT

373.5  
 7.2

374.4 378.42  
 3.3 +0.7  
 80<sup>±</sup> 80<sup>±</sup>  
 GRD Floor

371.9  
 5.8

370.1  
 7.6

376.92	371.2	370.4	371.7	375.2
0.8	6.5	7.3	6.0	2.5
200	100		100	200

377.72

54<sup>th</sup> & Trojan

2+30

388.2  
1.4

2+27 34<sup>E</sup> Lt to SE Cor Garage

2+08 58' Lt to NE Cor of Nearest Section of House

391.3	388.6	386.8	385.0
+ 4.5	+ 1.8	0.0	1.8
58	58	44	
Floor	GRD		

2+00

385.0	381.4	381.8	385.5
1.8	5.4	5.0	1.3
	100	135	170

1+95 { 55' Lt to Fence  
3' Rt to Center 30" Palm Tree

1+64 98' Rt to center 16" Pepper Tree

1+50 68' Lt to Barbed wire Fence

381.5  
5.3

T.P. 9.62 386.84  $\times$  0.50 377.22

386.84  $\times$

1+00 115' Lt to 2 Strand Barbed wire fence. <sup>Electric!!</sup>

377.3  
0.4

377.72  $\times$

377.72  $\times$

Contd From Page 61

27

2

27 62

3+01

371.3

3.1

T.P.

0.50

374.43A

12.91

373.93

374.43A

2+94

374.7

12.1

2+81

376.5

10.3

2+74

379.5

7.3

2+65

381.0

5.8

2+55

383.7

3.1

50

383.4

3.4

382.0

4.8

50

386.84A

386.84A

Cont'd From Page 62

3755

3743

T.P. 0.08 361.60  $\pi$  12.91 361.52

3735

3722

3715

1/2 ft to Fence - Jags to 18' Lt.  
3710 Crosses Barbed wire Fence

37443  $\pi$

Lt

E

R

63

356.1

5.5

359.2

2.4

361.60  $\pi$

362.8

11.6

365.3

9.1

369.0

5.1

37443  $\pi$



Cont'd From Page 63

Lt

E

Rt

64

4475

332.2  
12.0

4450

333.9  
10.3

T.P.

7.46 344.19  $\pi$  12.78 336.73

344.19

4425

336.9  
12.6

3493

341.8  
7.7

T.P.

0.81 349.51  $\pi$  12.90 348.70

349.51  $\pi$

3471

348.7  
12.9

361.60  $\pi$

361.60  $\pi$

5495 Top Bank

333.3  
8.7

5481 Toe

330.2  
14.0

5473 Crosses Barbed wire Fence

5470 E ditch

329.4  
14.8

5450

330.1  
4.1

5425

330.3  
13.9

5403 22' Lt to Center 12" Pepper Tree

5400

331.3  
12.9

344.19X

344.19X

Cont'd From Page 65

Lt

R

R

66

check

2.81 351.68 = 351.67

T.P.

10.72 354.49 0.42 343.77

6+20.89

325.31

332.90

335.8

343.12

337.58

18.88

9.29

8.4

1.07

661

21.73

21.73

277.75

272.75

INVERT

Rim

Rim

INVERT

6+12 Edge of Rdwy.

335.7

8.5

6+07

335.4

8.8

6+05

335.9

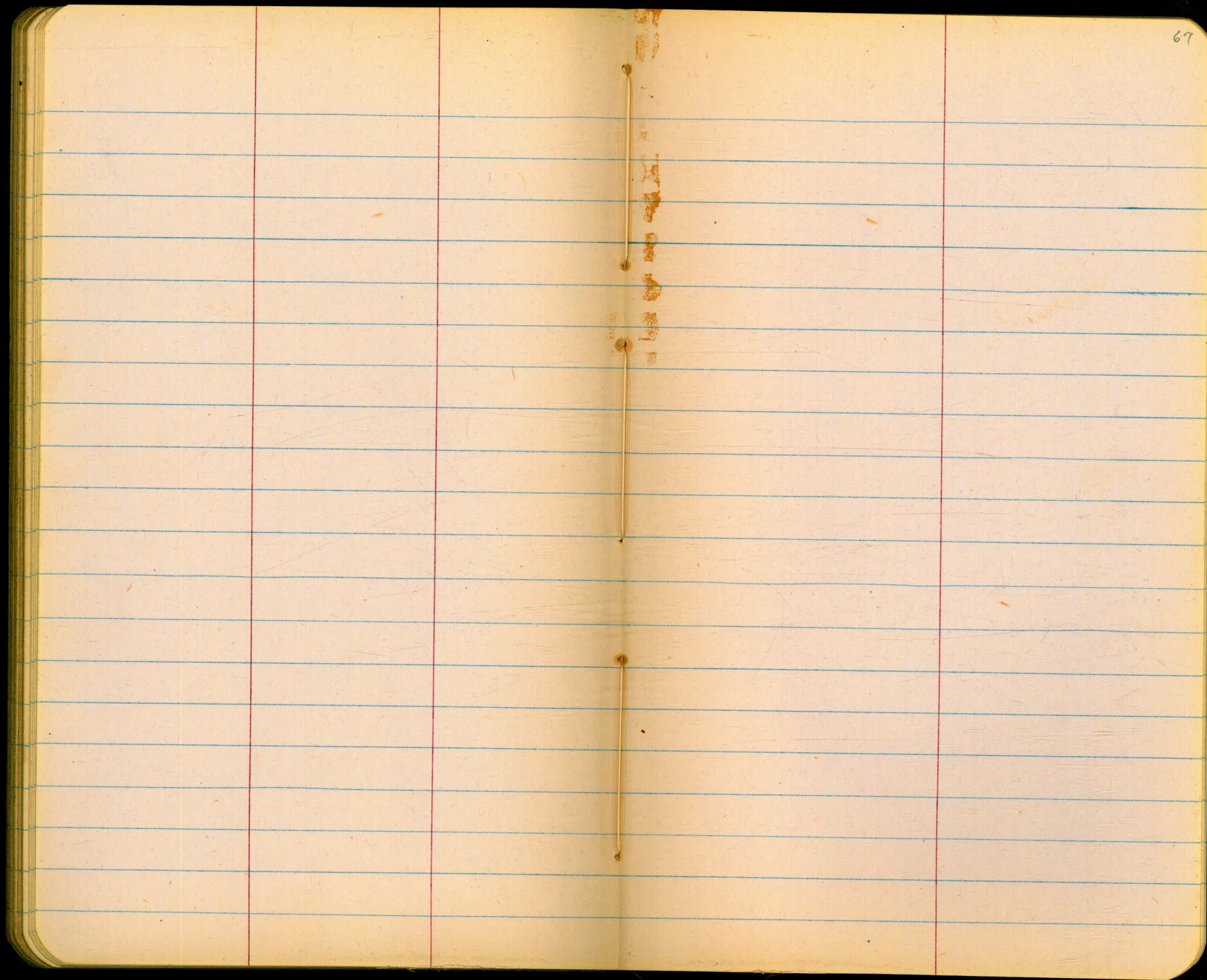
8.3

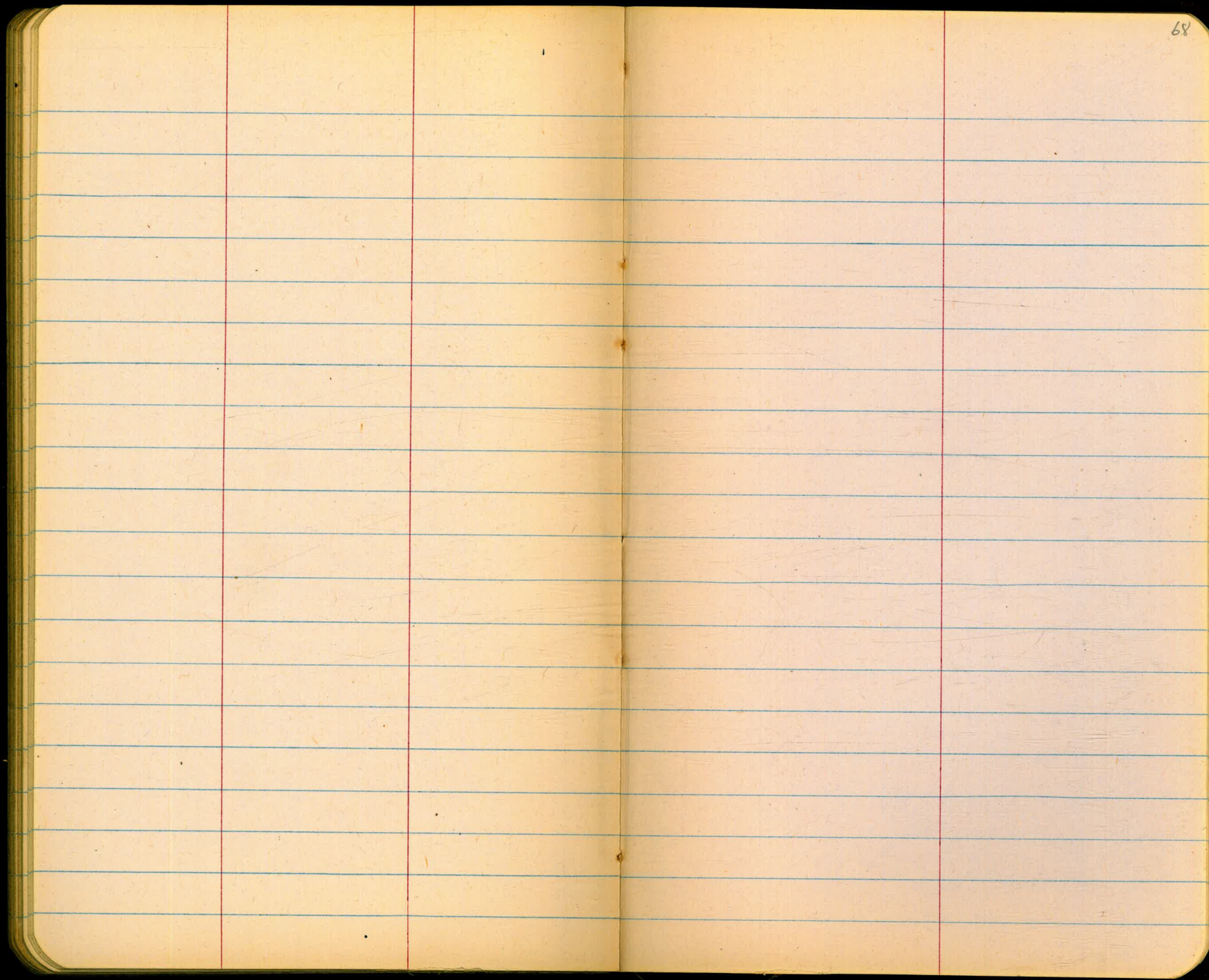
6+03 245 Rt to center P.Pole # P6333

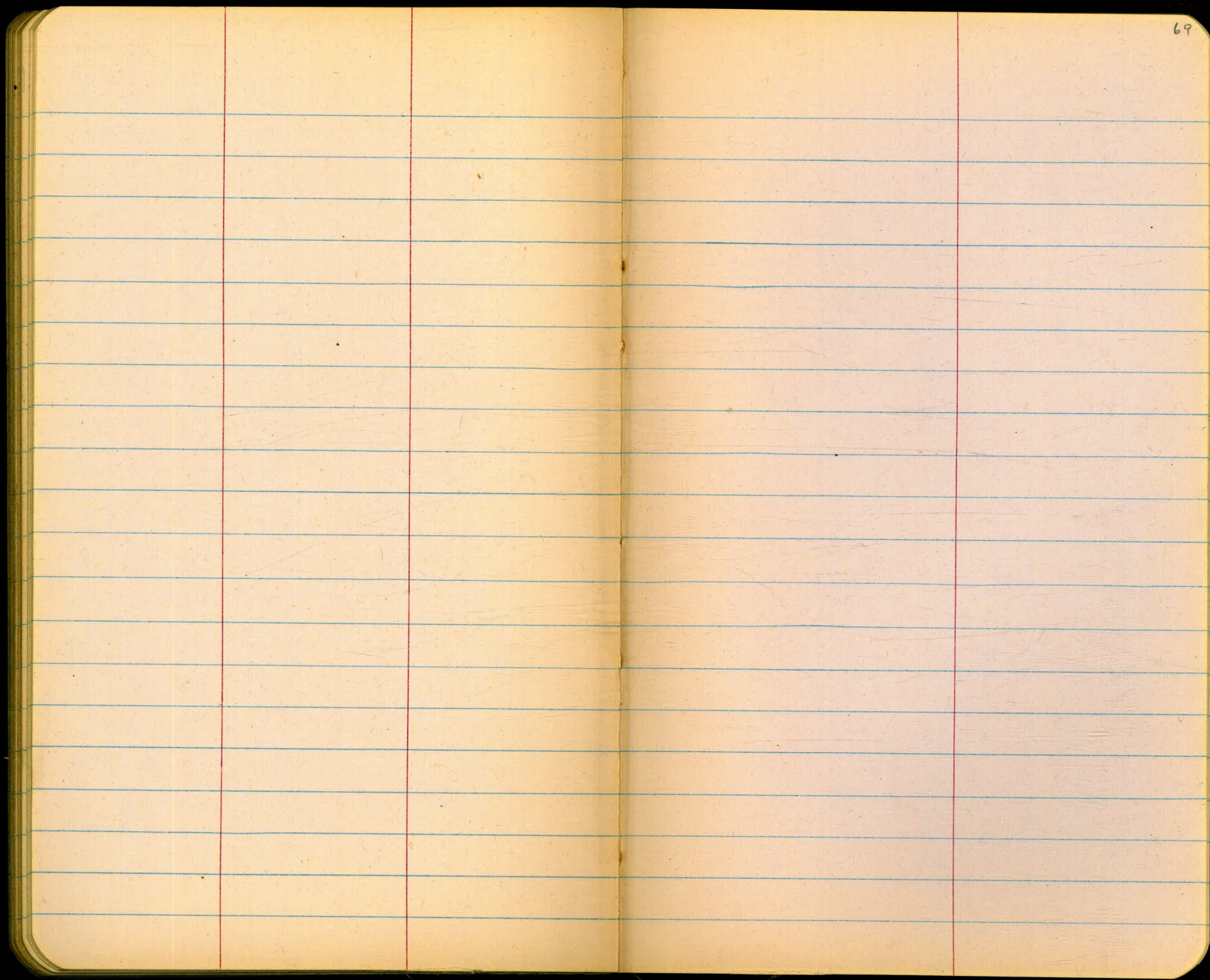
6+00 226 Rt to center T.Pole # 554566H

344.19

344.19



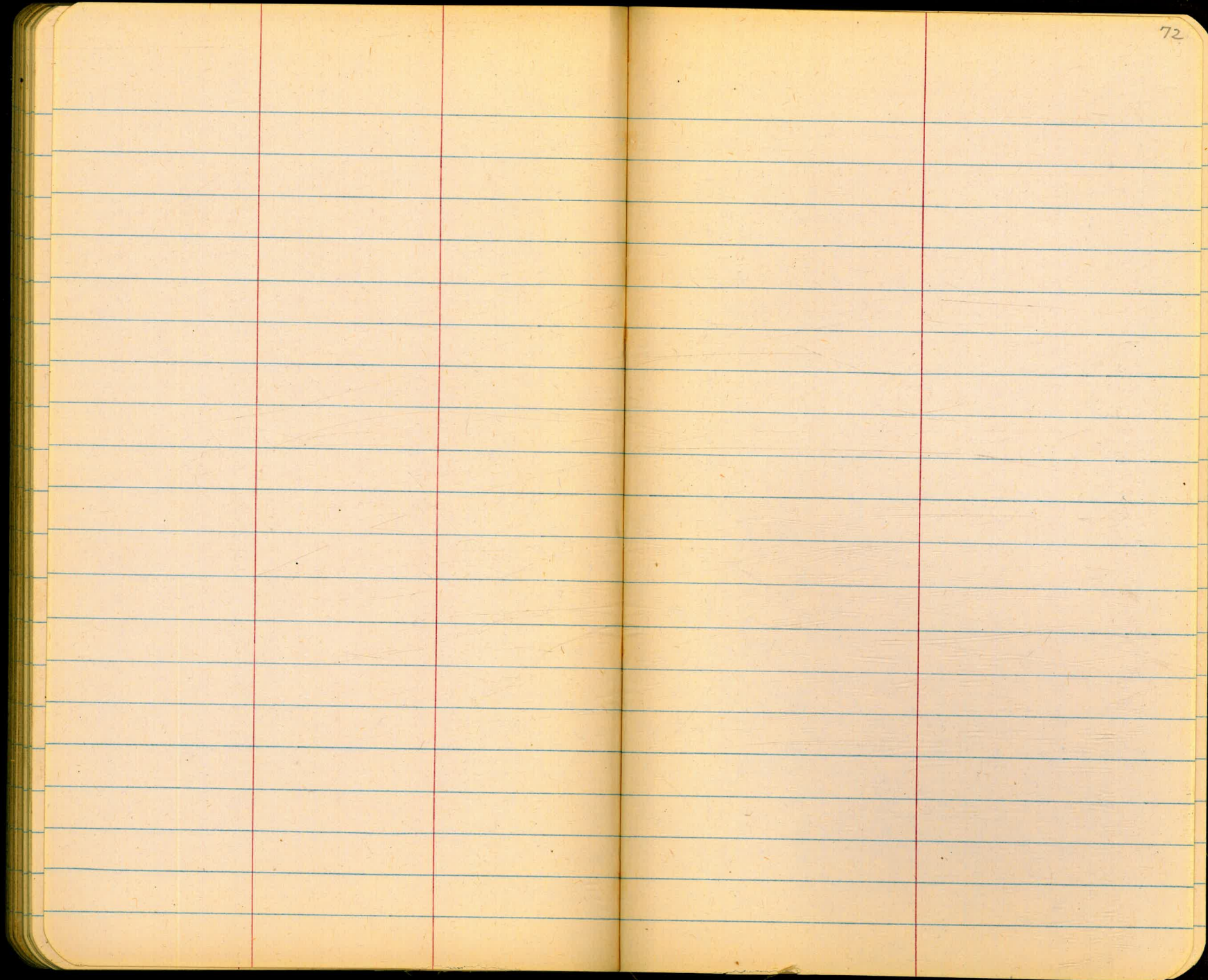


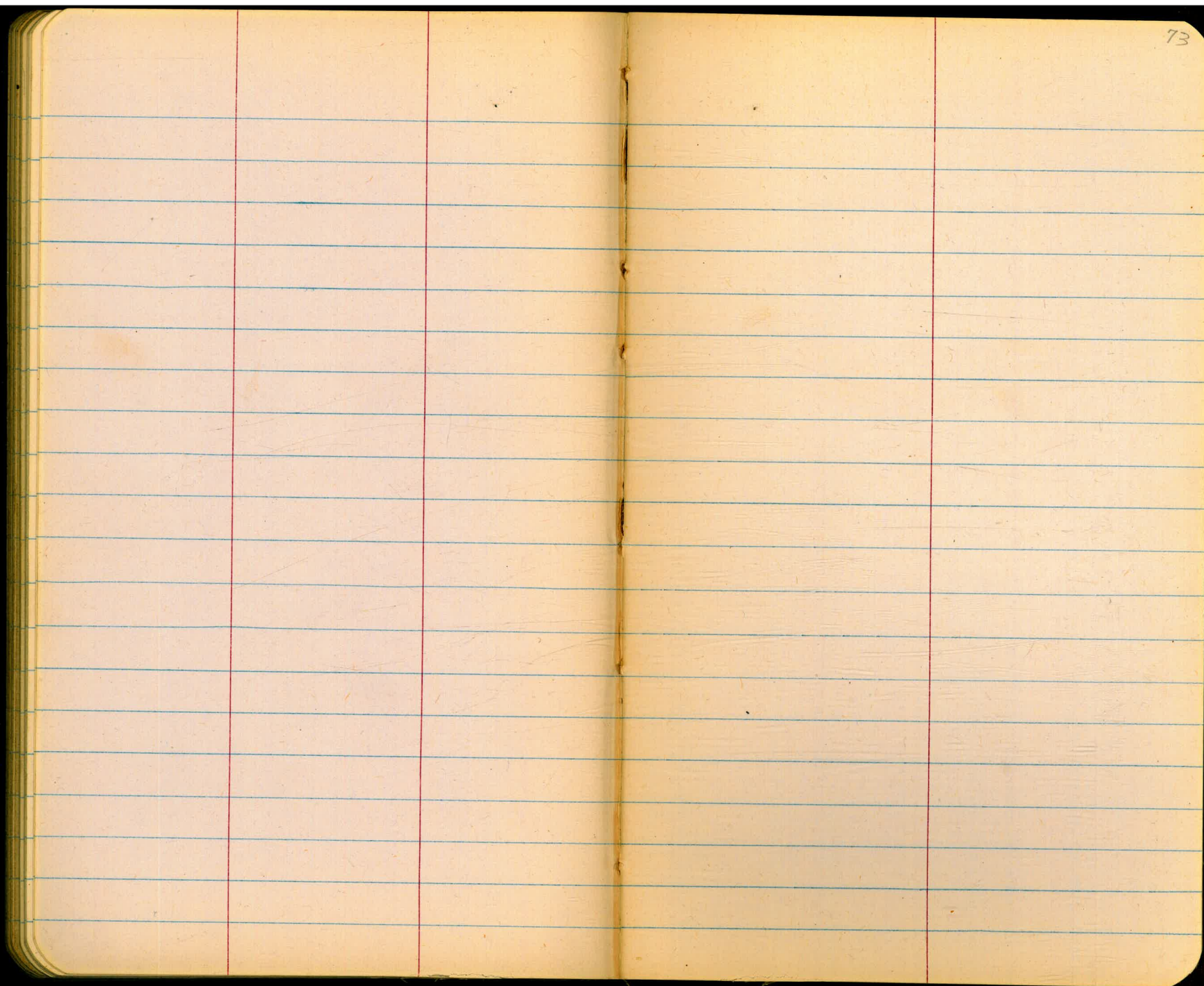


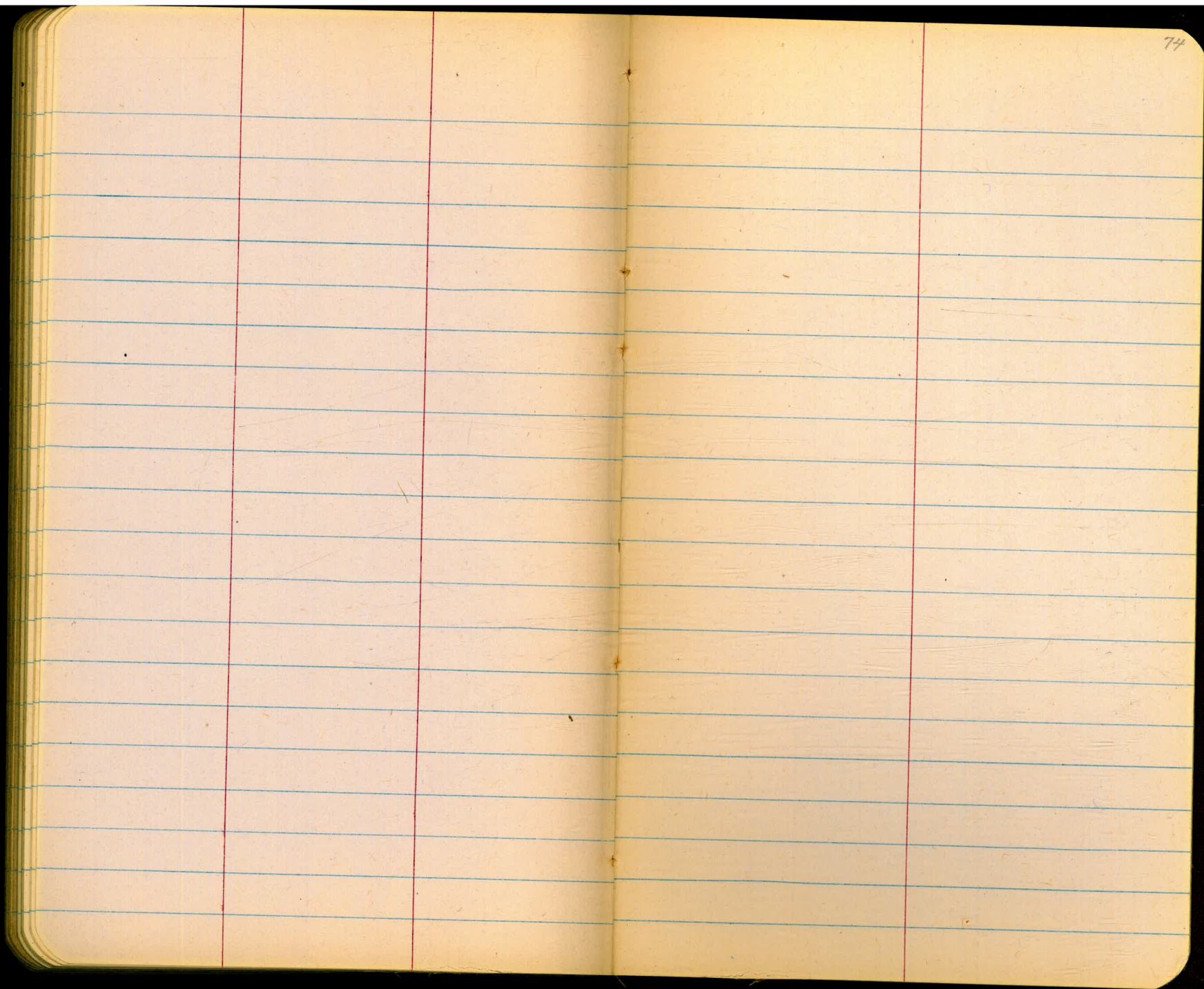


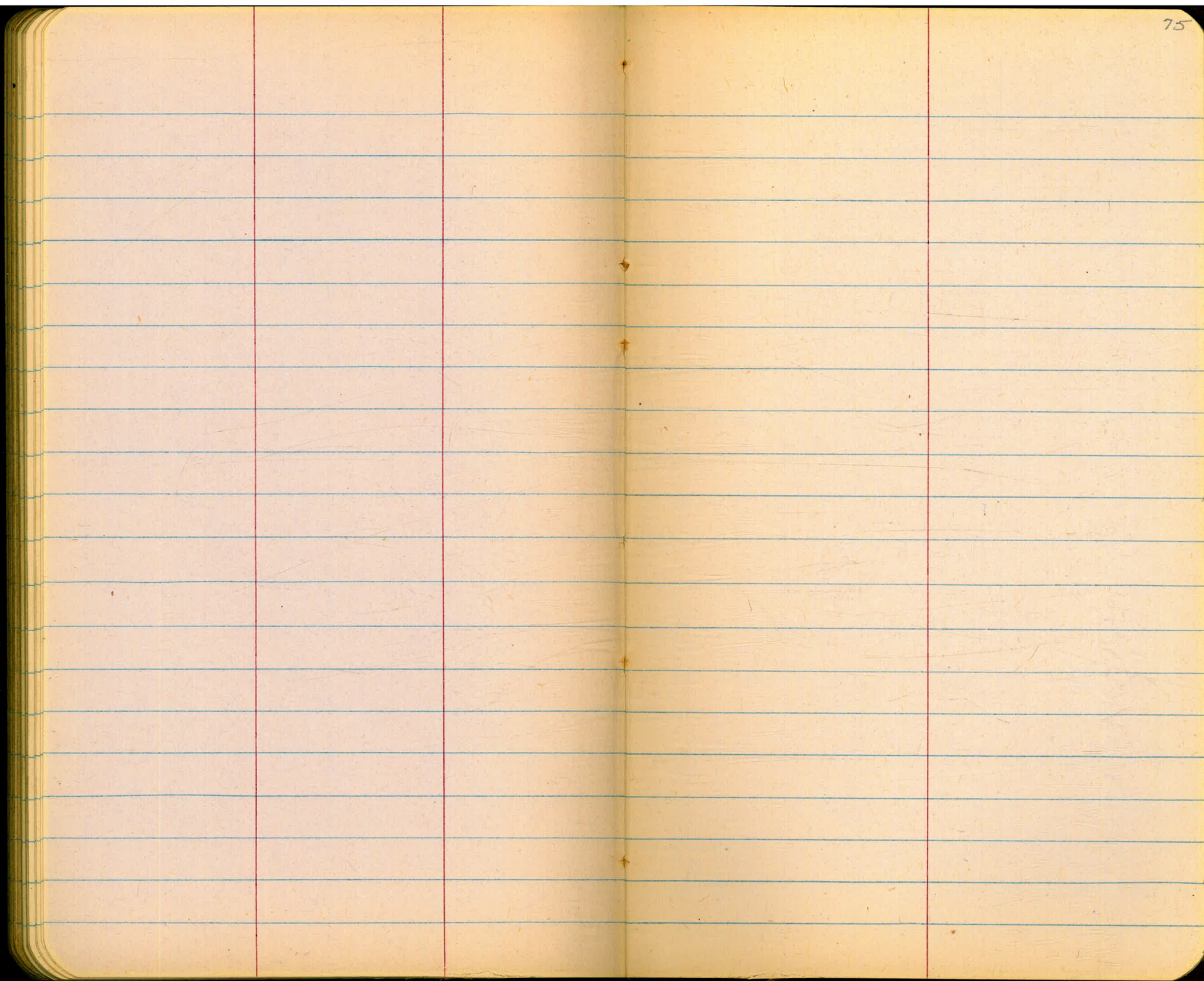


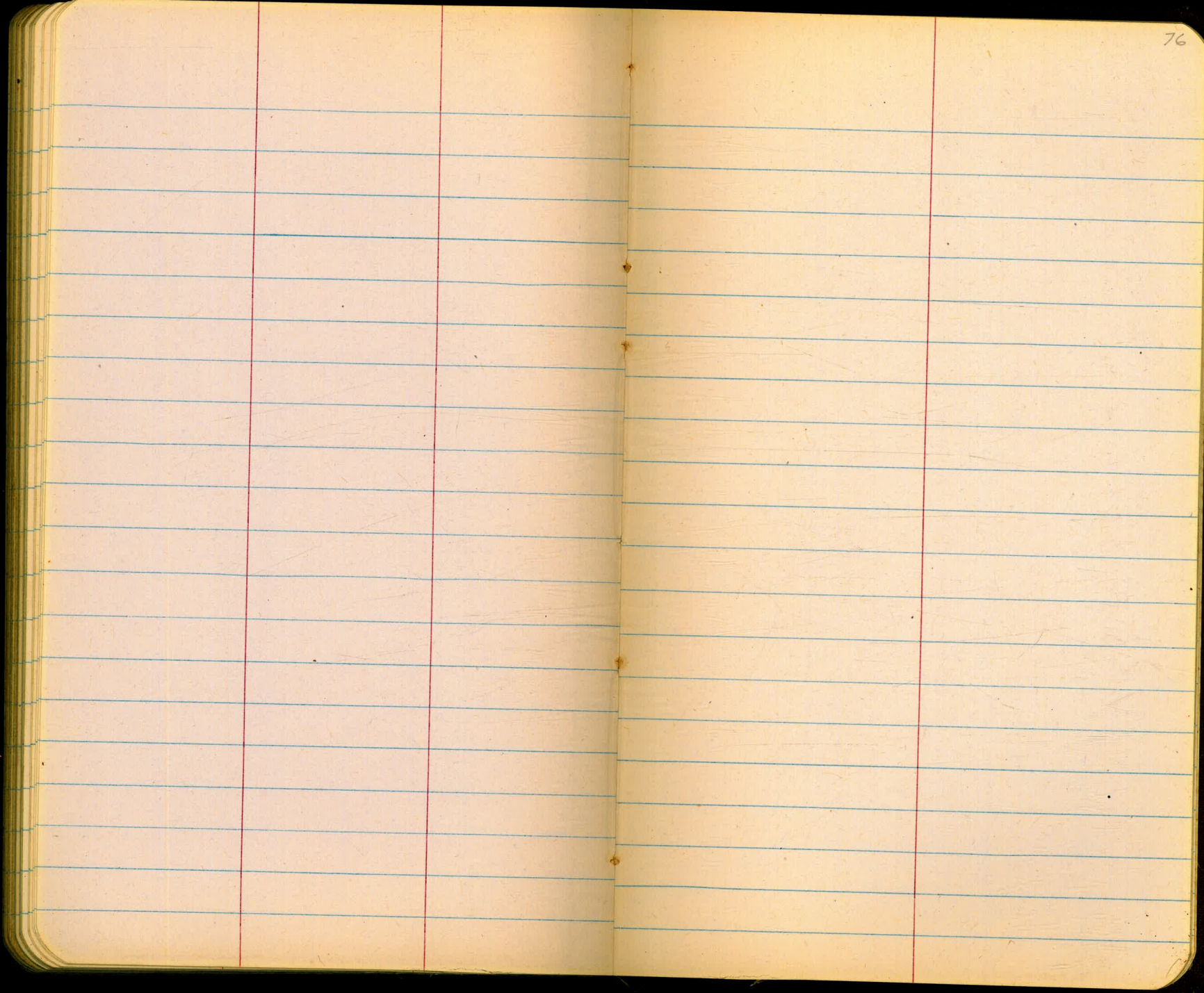


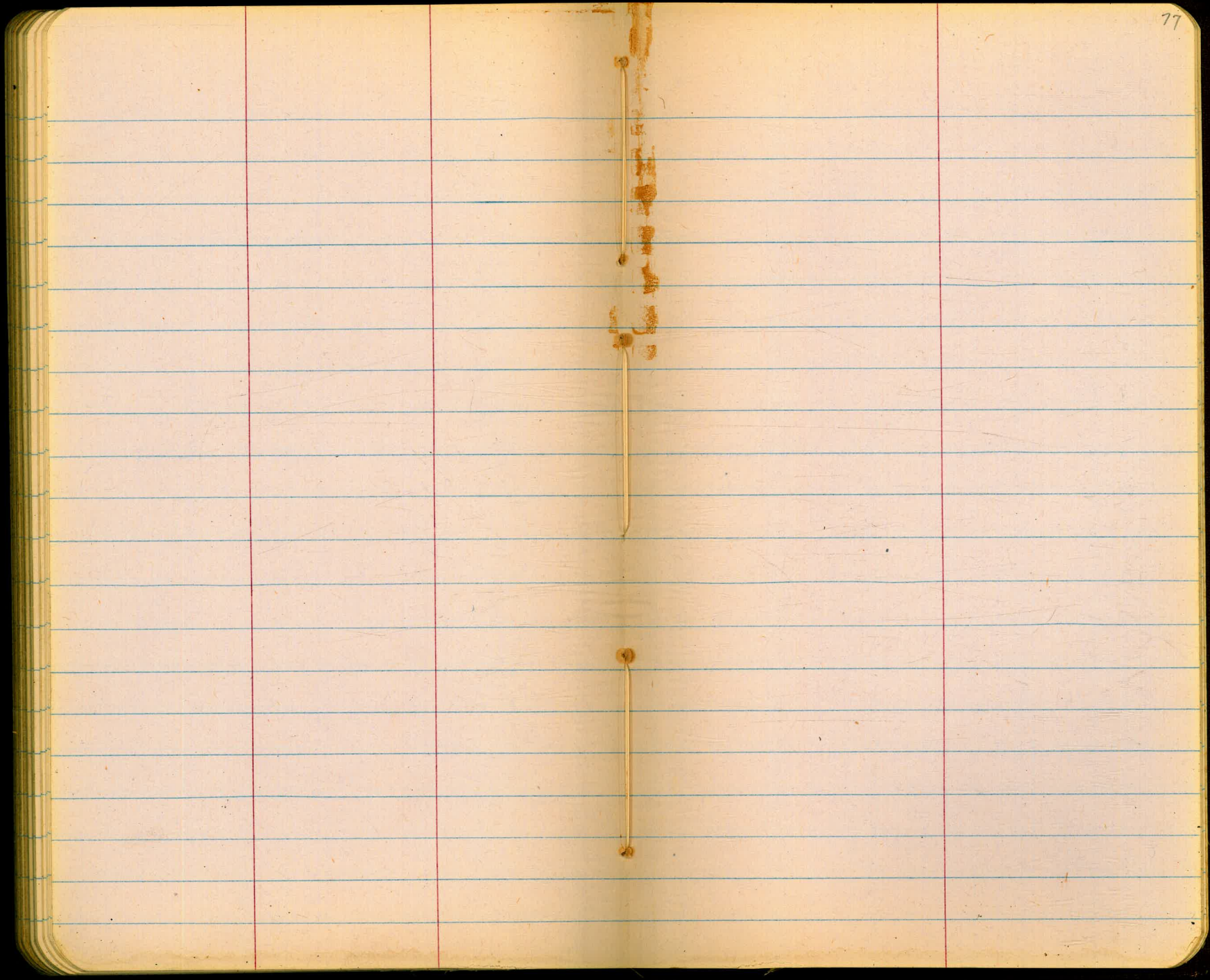






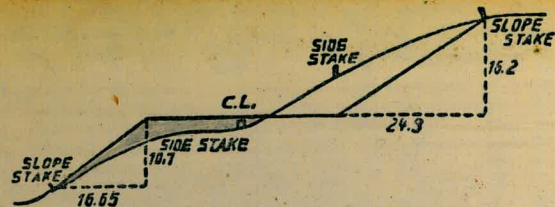






2600  
8200  
32000  
5272  
1.82  
55100  
62725  
48  
6245

31453<sup>20</sup><sub>03</sub>  
140  
2293<sup>23</sup>



**DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.**

**SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.**

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

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