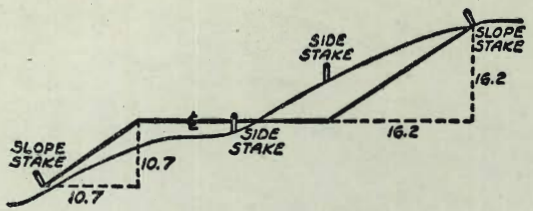

Distances from Side Stakes for Cross-Sectioning

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

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	.70	.81	.92	1.04	1.29	1.42	1.54	1.66
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	.636	.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	.985	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

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1

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Oliver St. Gresham to Fanuel

7-20-49
W.O. 31472 (2)

dbl set 7/27/49 Sommermeyer McCoy Allen W Moore

South / North

Sta.	So. Prop. Rough Gr.	Curb	Gutter	So. 1/4	℄	No. 1/4	Gutter	Cb.	Rough Gr. North Prop.	
1+00	32.47⊼ 26.61 5.86 5.93 F-0.07	26.61 3.65 ×	25.94 6.00 ✓		26.75 .33 26.42 5.52		26.75 5.19	27.55 2.71 ×	32.47⊼ 27.55 4.92 4.47 C0.45	B.M. #1 N.W.B.P. P.B Drive & Gresham 21.19 9.68 30.87⊼ 2.87 28.00 4.47 32.47⊼ 11.48 20.99 = (1.02) N.W.B.P. Fanuel & Oliver
0+80	X.walk 30.87⊼ 26.38 4.49 4.09 C0.40	26.38 3.88 ×	25.71 6.23 ✓		26.52 .33 26.19 5.75 ✓		26.52 5.42	27.32 2.94 ×	30.87⊼ 27.32 3.55 2.87 C-0.68	
0+60	26.08 4.79 4.48 C0.31	26.08 4.18 ×	25.41 6.53 ✓		26.22 .33 25.89 6.05		26.23 5.71	27.03 3.23 ×	30.87 27.03 3.84 2.89 C ~~0.35~~ C0.95	BM. #1 21.19 9.07 30.26⊼
0+30			25.00 6.94 ✓		25.85 .33 25.52 6.42		25.82 6.12			(1+00 ℄) 3.65 26.61 4.00 30.61⊼
0+10 (cb. B.C.)	25.25 5.62 4.62 C-1.00	25.25 5.01 ×	24.58 7.36 ✓		25.33 .33 25.00 6.94 ✓		25.40 6.54	26.20 4.06 ×	26.20 4.67 3.26 C-1.41	Note: See Margin Pg 3 for H.I. on Curb Cuts + ℄ Grade
						⊼31.94 30.36?				
0+00	25.07 5.80 4.98 C0.82	25.07 5.19 ×	24.40 7.54 ✓		25.10 .33 24.77 7.17 ✓		25.27 6.67	26.07 4.19 ×	26.07 4.80 3.46 C-1.34	

Oliver Street

	South					North				
	Prop.	Cl.	Gutter	1/4	℄	1/4	Gutter	Cl.	Prop	8/9/49 For Gutter + ℄ Grades
2+20	26.46 6.01 5.80 C0.21	26.46 4.15 x	25.79 6.13		26.59 .33 26.26 5.68		26.57 5.37	27.37 3.24 x	27.37 5.10 4.75 C-0.35	N.W B.P. BM #1 PB. Drive Gresham 21.19 + 9.19 30.38 ⊼ − 2.72 27.66 + 4.28 ⊼ 31.94
2+00	26.66 5.81 5.61 C0.20	26.66 3.95 x	25.99 5.95		26.79 .33 26.46 5.48		26.78 5.16	27.58 3.03 x	27.58 4.89 4.40 C0.49	
1+80	26.79 5.68 5.57 C0.11	26.79 3.82 x	26.12 5.82		26.93 .33 26.60 5.34		26.93 5.01	27.73 2.88 x	27.73 4.74 4.01 C0.73	
1+60	x in Drive 26.85 5.62 5.54 C0.08	26.85 3.76 x	26.18 5.76		26.99 .33 26.66 5.28		26.99 4.95	27.79 2.82 x	27.79 4.68 4.00 C0.68	
1+40	26.84 5.63 5.67 F0.04	26.84 3.77 x	26.17 5.77		26.98 .33 26.65 5.29	⊼ 31.94	26.99 4.95	27.79 2.82 x	27.79 4.68 4.05 C0.63	
1+20	32.47 ⊼ 26.76 5.71 5.60 C0.11	30.61 ⊼ 26.76 3.85 x	26.09 5.85		26.90 .33 26.57 5.37		26.90 5.04	30.61 ⊼ 27.70 2.91 x	27.70 4.77 4.17 C0.60	

3

Oliver St.

South

	Prop	cl.	Gutter	1/4
4+50	22.19 10.28 9.80 C- 0.48	22.19 8.42 x		
4+00	23.15 9.32 8.90 C- 0.42	23.15 7.46 x		
3+50	24.10 8.37 7.92 C- 0.45	24.10 6.51 x	Rake	
3+00	25.05 7.42 7.10 C 0.32	25.105 5.56 x		
2+60	25.83 6.64 6.29 C- 0.35	25.83 4.78 x	25.16 6.78 ✓	
2+40	32.47 26.17 6.30 5.93 C 0.37	30.61 π 26.17 4.44 x	25.50 6.44 ✓	

North

	℄	1/4	Gutter	cl.	Prop
				22.97 7.64 x	22.97 9.50 7.84 C- 1.66
	23.28 33 22.95 8.99			23.95 5.56 x	23.95 8.52 7.52 C-1.00
Rake				24.94 5.67 x	24.94 7.53 7.13 C-0.40
	25.19 33 24.86 7.08 ✓			25.93 4.68 x	25.93 6.54 6.58 F0.04
	25.95 33 25.62 6.32 ✓	π31.94	25.93 6.01 ✓	26.73 3.88 x	26.73 5.74 5.53 C-0.21
	26.30 33 25.97 5.97 ✓		26.28 5.66 ✓	30.61 π 27.08 3.53 x	27.08 5.39 5.10 C0.29

Oliver St.

	South				℄	North			
	Prop.	cb.	Gutter	1/4		1/4	Gutter.	cl.	Prop.
5+00 Exist cb	32.47* 21.24 11.23 11.25 cb. -.02	30.61* 21.24 9.37 9.38 -0.01	20.59 11.35 11.35 ✓		21.27 10.67 10.67 ✓	⊼31.94	✓ 2130 1064 1064	30.61* 21.99 8.62 8.61 0.01	32.47* 21.99 10.48 10.50 -.02 cb
4+80	[illegible] [illegible] 85	[illegible]	20.97 10.97 ✓ ↑ Rake		21.74 33 21.41 10.53 ↑		21.70 ✓ 10.24 ↑ Rake		

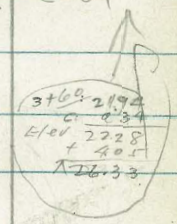
Alley Blk 301 Pac. Beach
(South of Oliver)

	South	℄	North
			N.15
1+00	□-2' 23.85 / 4.74 / 4.49 / C 0.25	23.70	24.15 / 4.44 / 2.95 / C-1.49
0+80	□-2' 23.82 / 4.77 / 4.57 / C 0.20	23.67	N-13 24.12 / 4.47 / 3.21 / C 1.26
0+60	□-2' 23.69 / 4.90 / 4.39 / C-0.51	23.54	□-1' 23.99 / 4.60 / 4.19 / C-0.41
0+40	□-2' 23.46 / 5.13 / 4.15 / C 0.98	23.31	X-2' 23.76 / 4.83 / 4.09 / C-0.74
0+20	□-2 23.15 / 5.44 / 4.69 / C-0.75	23.00	M-15 23.45 / 5.14 / 3.37 / C-1.77
Gresham 0+00	□-2' 28.59 / 22.75 / 5.84 / 4.58 / C-1.26	22.59	□-2' 23.03 / 5.56 / 3.85 / C-1.71

		South	℄	North	NW.B.P. Pac. Beach Dr. & Gresham
2+60		□-2' 22.93 / 6.15 / 5.35 / C 0.80	22.78	N-0.75 23.23 / 5.85 / 4.27 / C-1.58	21.19 / 7.40 / 28.59 ✗ / 4.68 / 23.91 / 5.17 / 29.08 ✗
2+40		□-2' 23.13 / 5.95 / 5.08 / C 0.87	22.98	N 0.75 23.43 / 5.65 / 4.24 / C-1.41	
2+20		□-2' 23.28 / 5.80 / 5.01 / C 0.79	23.13	N.-0.70 23.58 / 5.50 / 3.94 / C-1.56	
2+00		28.09 ✗ □-2 23.40 / 5.68 / 4.58 / C-1.10	23.25	28.09 ✗ N-.65 23.70 / 5.38 / 4.35 / C 1.03	
1+60	T.P.	28.59 ✗ □-2 23.60 / 4.99 / 4.68 / C-0.31	23.45	28.59 ✗ N-0.65 23.90 / 4.69 / 3.45 / C-1.24	
1+20		□÷2 28.59 ✗ 23.80 / 4.79 / 4.45 / C-0.34	23.65	□-2' 28.59 ✗ 24.10 / 4.49 / 4.10 / C 0.39	

Alley. So. of Oliver

	South		North	
				T 26.33
4+00	D-2' 20.83	20.68	D-2 21.17	D 2 Bk. 21.13
	8.25		7.95	5.20
	8.45		7.68	4.90
	F 0.20		C-0.27	C 0.30
3+80	D-2' 21.26	21.11	D-2' 21.50	D 2' Bk 21.56
	7.82		7.32	4.79
	7.77		7.50	4.72
	C-0.05		C 0.02	C 0.07
3+60	D-2' 21.64	21.49	D-2' 21.94	
	7.44		7.14	
	7.36		6.80	
	C 0.08		C-0.34	
3+40	D-2' 21.96	21.81	D-2' 22.26	
	7.12		6.82	
	7.14		6.08	
	F 0.02		C-0.74	
3+20	D-2' 22.23	22.08	D-2' 22.53	
	6.85		6.55	
	6.65		4.86	
	C 0.20		C-1.69	
2+80	H-2' 29.08 T 22.71	22.56	D-2' 29.08 T 23.01	
	6.37		6.07	
	5.90		5.23	
	C-0.47		C 0.84	



7

2+90 (South) = Lat. # 2

3+15 (North) = Lat. # 1

So.	No.
29.08 T	
17.65	
11.43	
5.85	
C-5.58	29.08 T
	17.59
	11.49
	4.73
	C-6.76

	South		North
Fanuel 5+00	18.08	18.05	18.42
	11.00		10.66
	11.02		10.56
	-0.02		C 0.10
4+80	D-2' 18.69	18.54	D-2' 18.99
	10.39		10.09
	9.92		9.48
	C-0.47		C 0.61
4+40	D-2' 19.81	19.66	D-2 20.11
	9.27		8.97
	9.47		8.69
	F 0.20		C 0.28
4+20	D-2' 20.35	20.20	D-2' 20.65
	8.73		8.43
	8.40		8.20
	C 0.33		C 0.23

Alley Blk 19. O. B. Park
Sewer Laterals

7-25-49

W.O. 31507

INDEXED
SEP 6 1950

Sommermeyer
McCoy
Allen
Rohs.

Lat. # 7 (Sheet 7317-L)

24.65 ↗
15.02 = EL.
9.63
4.40
C-5.23

Voltaire + Cable
S.W.B.P.

17.10
7.55
24.65

FB 1825/45

17.10
5.42
22.52 ↗
1.60
20.92
6.50
27.42 ↗
2.12
25.30
6.30
31.60 ↗
5.96
25.64 = SW. B.P. Voltaire & Sunset Cliffs
(25.62)

ALLEY Blk. 12, O. B. Park.
Sewer Laterals
(sheet 7317-L)

8

0+00 = cly. line cable St.

Nail 0' Back. 0+10 Rt. #1	2+10 Rt. #2	4+60 Rt. #3
22.52 ↗	27.42 ↗	27.42
12.86	15.93	19.38
9.66	11.49	8.04
3.80	6.28	2.80
C 5.86	C 5.21	C-5.24

5+60 Rt #4	5+35 Lt #5	3+85 Lt. #6
31.60 ↗	31.60 ↗	27.42 ↗
20.75	20.41	18.35
10.85	11.19	9.07
5.82	6.12	4.03
C-5.03	C-5.07	C 5.04

INDEXED
SEP 6 1950

See also page 10

Block 70 O.B.

Bacon to ocean Between Narragansett + Del Monte

Sewer laterals

N. Wly line Bacon = 0+00

Del Monte + Bacon
N.W.B.P.
24.04
2.82
26.86 ✕
3.85
23.01
6.20
29.21

2+95 Lt
#4
29.21 ✕
19.22
9.99
1.92
C-8.07

3+35 Rt
#1
29.21 ✕
20.02
9.19
4.96
C-4.23

1+85 Rt.
#3
29.21 ✕
18.19
11.02
6.58
C-4.44

2+85 Rt.
#2
29.21 ✕
18.74
10.47
7.33
C-3.14

Alley Blk. 12. O.B. Park
Sunset Cliffs Blvd. to Cable
between Voltaire + Muir

7/26/49
C.H.S.

□ 2' Back of paving unless otherwise noted

	Lt. S'ly.	℄	Rt. N'ly		Lt. (S'ly)	℄	Rt. (N'ly)	SW.B.P. Sunset Cliffs Blvd. + Voltaire
			□-1'				□-1'	25.62
1+60	24.10		24.10	4+00	20.79		20.79	5.12
	6.64		6.64		5.37		5.37	30.74 ℄
	6.25		6.24		5.02		5.00	7.17
	C 0.39		C 0.40		C 0.35		C-0.37	23.57
								2.59
			M -0.33				T.-0.30	26.16 ℄
1+20	24.65		24.65	3+60	21.34		21.34	7.17
	6.11		6.11		4.82		4.82	18.99
	5.99		5.08		4.66		3.31	3.01
	C-0.12		C 1.03		C-0.16		C 1.51	22.00 ℄
								4.91
								17.09 ℄
								SW. B.P. Cable + Voltaire
0+80	25.20		25.20	3+20	21.89		21.89	17.01 offset
	5.54		5.54		4.27		4.27	17.10 FB 1825 45
	5.51		5.163		4.08		4.00	
	C 0.03		F 0.09		C 0.19		C-0.27	
Brk.					N. 2'			
0+40	25.75	25.50	25.75	2+80	22.44		22.44	
	4.99		4.99		3.72		3.72	
	4.99		4.180		2.79		3.58	
	℄		C 0.19		C-0.93		C 0.14	
	□-5.25				26.16 ℄		26.16 ℄	
0+20	25.90	25.65	25.90	2+40	23.00		23.00	
	4.84		4.84		3.16		3.16	
	4.78		5.45		3.13		3.08	
	C-0.06		F 0.61		C-0.03		C 0.08	
				T.A				
Sunset Cliffs Blvd.	30.74 ℄		30.74 ℄		30.74 ℄		30.74 ℄	
0+00	25.92	25.72	25.91	2+00	23.55		23.55	
	4.82		4.83		7.19		7.19	
	4.82		4.82		6.95		7.16	
	℄		.01		C 0.24		C 0.03	

Rake

Blk 12 - O.B. Park

	Lt. (Sly)	℄	Rt. (Nly)
Cable St.			
6+00	17.56	17.27	17.57
	4.44		4.43
	4.42		4.43
	C-0.02		✓
5+80	18.15	17.90	18.15
	3.85		3.85
	3.77		3.85
	C-0.08		✓
Blk	22.00↑		22.00↑
5+60	18.58	18.33	18.58
	3.42		3.42
	3.28		3.31
	C 0.14		C 0.11
T.P.			
			N.-0.25
5+20	19.14		19.14
	7.02		7.02
	7.25		6.33
	F 0.23		C-0.69
4+80	19.69		19.69
	6.47		6.47
	6.30		6.21
	C 0.17		C-0.26
			N.-0.45
	26.16↑		26.16↑
4+40	20.24		20.24
	5.92		5.92
	5.57		4.60
	C 0.35		C 1.32

Alley Blk. 19. O.B. Park.

Sunset Cliffs Blvd. between Voltaire & Lotus.

See also page 8

	Sly.- Lt	℄	Rt. Nly.
1+72	24.51 4.46 4.01 C 0.45		N.141 24.51 4.46 3.71 C-0.75
1+28	28.97⊼ 24.89 4.08 3.67 C 0.41		28.97⊼ 24.89 4.08 3.47 C 0.61
T.P. 0+84 (5x44°)	□-0.50 25.27 4.83 4.72 C 0.11		25.27 4.83 4.45 C-0.38
Brk. 0+40	25.65 4.45 4.48 F 0.03	25.40	□-0.75 25.65 4.45 4.36 C 0.09
0+20	25.70 4.40 4.50 F 0.10	25.45	25.70 4.40 4.11 C 0.29
Sunset Blvd 0+00	30.10⊼ 25.40 4.70	25.14	30.10⊼ 25.46

Sommermeyer
7-26-49

	Lt.	℄ 1	Rt.	
				S.W.B.P. Sunset cliffs Blvd & Voltaire 25.62 4.48 30.10⊼ 4.60 25.50 3.47 28.97⊼ 6.52 22.45 3.91 26.36⊼ 6.58 19.78 4.19 23.97
EV.C. 3+40	22.77 6.20 5.92 C 0.28	22.52	x-2' 22.77 6.20 5.72 C 0.48	
3+20	23.07 5.90 5.78 C-0.12	23.82	x-2' 23.07 5.90 5.65 C-0.25	
3+00	23.33 5.64 5.48 C-0.19	23.08	□-1' 23.33 5.64 5.44 C 0.20	
2+80	23.55 5.42 5.28 C 0.14	23.30	23.55 5.42 5.22 C 0.20	
PVC. Brk 2+60	23.75 5.22 5.15 C-0.07	23.50	23.75 5.22 4.77 C-0.45	
2+16	24.13 4.84 4.67 C-0.17		24.13 4.84 4.20 C-0.64	
	28.97⊼		28.97⊼	

Alley. Blk. 19. O.B. Park.

Cable c.s.	Lt.	℄	Rt.
6+00	18.56	18.28	18.58
	5.41		5.39
	5.42		5.41
	N-2' X		X-2'
	23.97 X		23.97
5+80	19.00	18.75	19.00
	4.97		4.97
	4.44		4.54
	C 0.53		F 0.43
T.P.			
			X-2'
5+40	19.62		19.62
	6.74		6.74
	6.81		6.32
	F 0.07		C 0.42
			N-0.20'
5+00	20.25		20.25
	6.11		6.11
	6.25		5.36
	F 0.14		C 0.75
4+60	20.88		20.88
	5.48		5.48
	5.49		5.44
	F 0.01		C 0.04
	26.36 X		26.36 X
4+20	21.51		21.51
	4.85		4.85
	4.88		4.73
	F 0.03		C 0.12
	N-.75		28.97 X
3+80	22.14		22.14
	6.83		6.83
	5.83		6.85
	C 1.00		F 0.02

See also Alley Blk. 70. O.B. page 9

Bacon to Ocean Between Narragansett & Del Monte

W.O. #31529

7-25-49

Sommermeyer
McCoy
Allen
Rohr

East + West alley (0+00 at Bacon)

T.P.	South Lt.	North Rt.
1+58	23.42 4.72 5.19 F 0.47	23.12 5.02 5.87 F 0.85
1+12	23.28 4.86 5.02 F 0.16	Δ-1' 22.98 5.16 5.01 C 0.15
46'-5 times		
0+66	X-2' 28.14 X 23.14 5.00 4.23 C 0.77	28.14 X 22.84 5.30 4.54 C 0.76
T.P.		
0+20	23.00 4.48 3.02 C 1.46	22.70 4.78 4.05 C 0.73
Wly. Bacon 0+00	22.26 5.12	21.97 5.51

T.P.	South Lt. &	North Rt.	N.W.B.P. Del Monte & Bacon
3+30	25.14 3.88 1.56 C 2.32	24.84 4.18 4.54 F 0.36	24.04 3.44 27.48 X 3.88 23.60 4.54
3+10	24.55 4.47 1.62 C 2.85	24.25 4.77 5.35 F 0.58	28.14 X 5.19 22.95 6.07 29.02 X
2+90	24.11 4.91 2.47 C 2.44	23.81 5.21 6.92 F 1.71	3.44 25.58 9.49 35.07 X
2+70	23.83 5.19 3.92 C 1.27	23.53 5.49 6.26 F 0.77	
2+50	23.69 5.33 3.99 C 1.34	23.39 5.63 6.71 F 1.08	
2+04	29.02 X 23.56 5.46 5.00 C 0.46	29.02 X 23.26 5.76 7.05 F 1.29	

E+W. Alley

Blk. 70 - O.B

T.P.

4+86.67	▫-1' 33.90 / 1.17 / 1.65 / F 0.48	▫ 0.20 33.60 / 1.47 / 0.99 / C 0.48	
4+48.33 (38.33 - 3 Times)	31.46 / 3.61 / 3.28 / C-0.33	31.16 / 3.91 / 4.13 / F 0.22	
4+10	29.02 / 6.05 / 5.59 / C 0.46	28.72 / 6.35	omitted Garage in alley
3+90	27.83 / 7.24 / 6.39 / C 0.85	27.53 / 7.54 / 7.48 / C 0.06	
3+70	26.78 / 8.29 / 6.73 / C-1.56	26.48 / 8.59	
3+50	35.07 ⊼ / 25.88 / 9.19 / 7.67 / C-1.52	35.07 ⊼ / 25.58 / 9.49 / 9.49 / x	

Cont. P.16

To Rt. line N+S Alley 6+00	39.95 / 5.16 / 4.44 / C-0.72	▫- 2' Both ways 39.65 / 5.46 / 6.24 / F 0.78	(P.-14) 35.07 ⊼ / 1.65 / 33.42 / 11.69 / 45.11 ⊼
5+80	39.43 / 5.68 / 5.48 / C 0.20	39.13 / 5.98 / 6.59 / F 0.61	
5+60	38.53 / 6.58 / 5.62 / C-0.96	38.23 / 6.88 / 7.41 / F 0.53	
5+50	37.94 / 7.17 / 5.59 / C-1.58	X-1' 37.64 / 7.47 / 7.18 / C 0.29	37.64 / 0.29 / 37.93 / + 4.01 / ⊼ 41.94
Line N+S Alley 5+45	37.62 / 7.49 / 5.97 / C-1.52	▫-1' 37.32 / 7.79 / 8.25 / F 0.46	
line N+S Alley 5+25	▫-1 Both ways 45.11 ⊼ / 36.35 / 8.76 / 8.52 / C 0.24	45.11 ⊼ / 36.05 / 9.06 / 8.88 / C 0.18	

⊼ 41.94 / 36.35 / 5.59 / 5.62 / F 0.03

E. + W. Alley. Blk. 70-O.B.

		South Lt.	℄	North Rt.
End.	D- Line N. + S. Alley			45.11
6+20	-2'- on E. + W.			39.95
	40.10			5.16
	5.01			4.55
	4.21			C 0.61
	C 0.80			
℄ only				
6+10		39.55		

Nly. & Sly. Alley Blk 70 O.B. 7/17/49

Between Del Monte & E. & W. Alley

0+00 = Sly. line N. & S. Alley

	East. Lt.	℄	West = Rt.
	X-2'		Bolt. -0.25
0+70	38.54		38.78
	4.29		4.05
	4.36		3.36
	F 0.07		C-0.69
	X-2'		
0+60	38.56		38.83
	4.27		4.00
	3.33		3.58
	C-0.94		C 0.42
	X-2'		N-0.40
0+50	38.48		38.77
	4.35		4.06
	2.76		3.39
	F 1.59		C-0.67
	X-2'		
0+40	38.29		38.59
	4.54		4.24
	4.65		2.41
	F 0.11		C-1.83
	N-1.35		N-3'
0+20	37.80		38.10
	5.03		4.73
	4.27		3.30
	C-0.76		C-1.43
Alley (E+W)			
0+00	36.35		37.62
	6.48		5.21
	6.24		3.69
	C 0.24		C-1.52

Nly Del Monte	East = Lt.	℄	West = Rt.
1+40	35.40		35.02
	7.43		7.81
	7.43		7.81
	X		X
	X-2'		X-1'
1+30	36.17		35.92
	6.66		6.91
	5.88		7.18
	C 0.78		F 0.27
	X-2'		X-1'
1+20	36.83		36.69
	6.00		6.14
	5.40		6.67
	C-0.60		F 0.53
			X-1'
1+10	37.38		37.35
	5.45		5.48
	3.39		6.10
	C-2.06		F 0.62
	X-2'		X-1'
1+00	37.83		37.88
	5.00		4.95
	2.71		3.49
	C-2.29		C-1.46
			X-1'
0+90	38.17		38.30
	4.66		4.53
	4.57		1.03
	C-0.09		C-3.50
	X-2		N-0.20
0+80	38.41		38.60
	4.42		4.23
	4.38		3.23
	C-0.04		C-1.00

17

stake 5+25 Lt, P. 15

Gr. = 36.35

c = 0.24

El. ℄ = 36.59

6.24

42.83 π

N'ly. + S'ly. Alley Blk. 70 O.B. 7/17/40

Between Narragansett + E+W. Alley

0+00 = S'ly. line Narragansett

	East = Lt.	℄	West = Rt.
			X-5'
0+80	39.30		39.60
	5.81		5.51
	6.96		5.19
	F 1.15		C-0.32
	□-2'		X-5'
0+60	38.86		39.16
	6.25		5.95
	6.82		5.56
	F 0.57		C-0.39
	□-1'		□-0.5
0+40	37.77		38.07
	7.34		7.04
	7.37		6.94
	F 0.03		C-0.10
	□-1'		□-1'
0+20	36.01		36.31
	9.10		8.90
	8.59		7.14
	C-0.51		C-1.76
			□-1
0+10	34.90		35.20
	10.21		9.91
	9.54		7.32
	C-0.67		C-2.59
Narragansett			
0+00	33.68		34.39
	11.43		10.72
	11.47		
	-0.04		

From B.M. ℄ 45.11

Pave. = 39.36

Lat. 45.11 / 33.36 / 11.75 / 6.81

City Lat. 45.11 ℄ 6.81 Rod

C-4.94

92' S'ly. - S'ly. line Narragansett on E'ly. side N. + S. Alley.

Set 6' Below Paving grade

because of low Lot. (4' below lot.)

	East = Lt.	℄	West = Rt.
Line E+W. Alley			
1+60	39.95		40.10
			5.01
			4.21
			C-0.80
℄ E+W alley ℄ only			
1+50		39.55	
Line E+W alley	2 Back Both ways		
1+40	39.65		39.95
	5.46		5.16
	6.24		4.55
	F-0.78		C-0.61
	N.-1℄		N.-1℄
1+10	39.47		39.77
	5.64		5.34
	5.60		4.70
	C-0.04		C-0.64

8/9/49
McCoy
Allen
Rorer

16" Storm Drain
+ Type H Curb Inlet
Proctor Place W.O. 20547.

Drawing # 3762 B

So End Proctor West Curb = 0+00	6.17	⊼ 304.17	6.17	298.00
" " 0+50	5.71		5.71	298.46
" " 1+00	5.24	⊼ 304.17		298.93

304.17

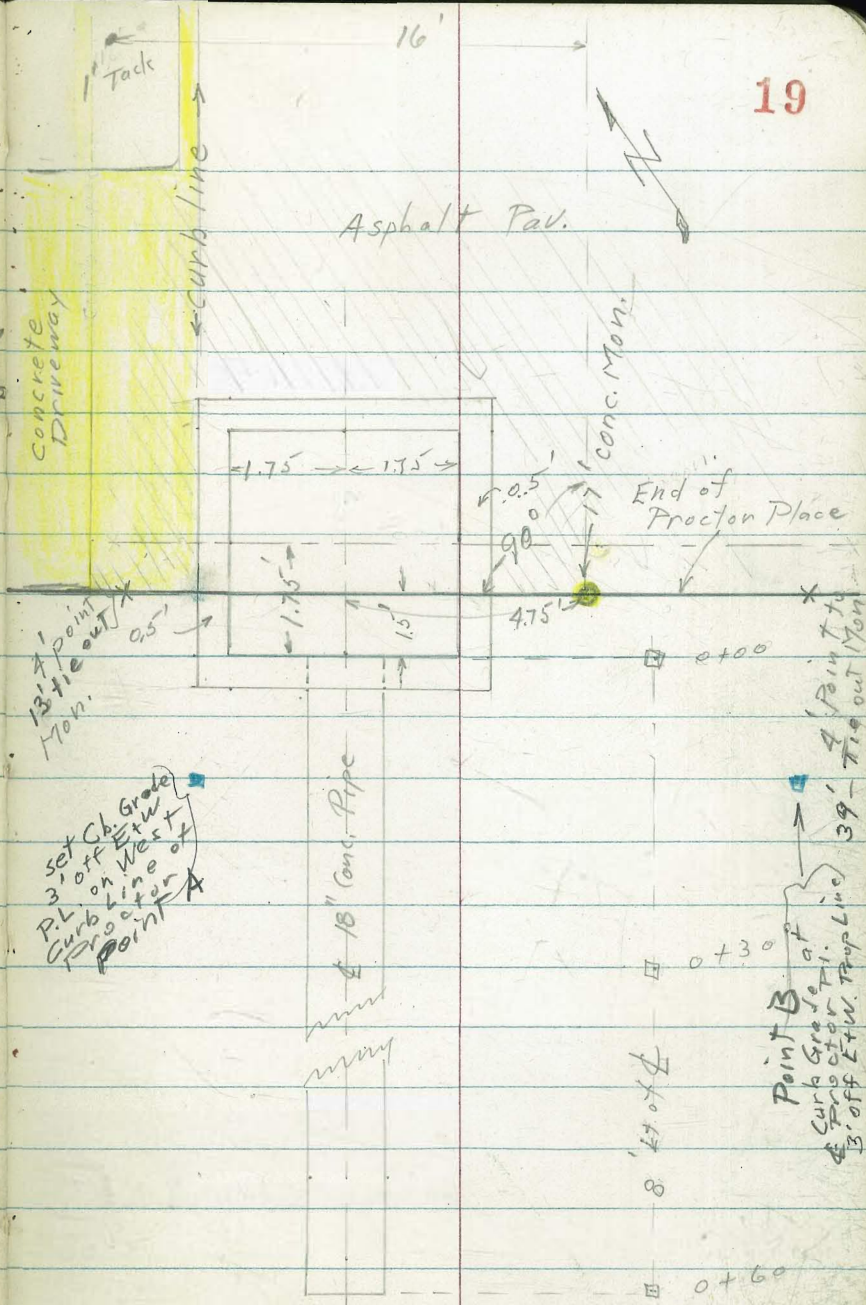
0+00 Flowline 295.00
9.77
5.88
C-3.29

0+30 " 294.50
19.67
5.96
C-3.71

0+60 " 294.00
10.17
7.86
C-2.31

Pt. A	Pt. B	Existing So. End East Curb.
6.17	5.69	5.22
298.00	298.48	298.95

⟨304.17⟩



8/15/49 Pave Beryl Ingraham to Jewell W.O. #31371

	Prop.	Curb	Gutter	¼	℄	¼	Gutter	Curb	Prop
1+20	14208								14208
	1496								
	545								
	C 9.51								
+84	13112								
	25.92								
	11.70								
	C 14.22								
0+48	13016								
	26.88								
	12.30								
T.P.#7 157.04	C 14.58								
0+20									
0+12	12920								
	1504								
	3.11								
	C 11.94								
	T 13193								T 13193
0+00	12870								12753
	323								2.40
	3.32								2.62
	= .09								-.22
T.P.#6									
	T 14924								T 13193
									12770
									4.23
									4.44
									-.21

NW 7 Lat.
Ingraham
to Beryl
(See Pg 23)

Prop

+ 60	153.75
	15.45
POT on ℄	8.16
2+57.50	7.29
X W. Rim MH	
POT 5' No. PL.	
2+58.32	
+ 40	152.70
	16.50
	9.17
	℄ - 7.33
+ 20	151.44
	17.76
	9.97
	7.79
2+00	149.98
	out
2+00	
+ 80	148.31
	20.89
	11.90
TP#8	℄ - 8.99
	T 169.20
+ 60	146.43
	10.57
	2.02
	℄ - 8.47
1+40	144.36
	12.68
	3.70
	℄ 8.98
	T 157.04

Prop

Prop

Prop

	Prop:	Prop
5+19.±	159.00	
	10.20	
	2.62	
	C – 7.58	
5+10	158.84	158.23 Existing
	10.36	10.97
	2.88	11.03
	C 7.48	–.06
4+62.5	158.04	
	11.16	
	4.85	
	C – 6.31	
4+15	157.25	
	11.95	
	5.98	
	C – 5.97	
3+67.5	156.46	
	12.74	
	7.15	
	C – 5.59	
+20	155.67	
	13.53	
	7.08	
	C – 6.45	
3+00	155.24	
	13.96	
	7.37	
	C – 6.59	
2+80	154.59	
	14.61	
	7.70	
	C – 6.91	
	T 169.20	

Check Benches on Paving Job
WO-31371 – From NW. B.P. Diamond + Gresham

NW. B.P. Diamond + Gresham	11.21	81.51			70.30
TP#1	6.79	86.32	1.98	79.53	
TP#2	5.78	89.57	2.53	83.79	
TP#3	11.70	99.73	1.54	88.03	
TP#4	12.58	110.85	1.46	98.27	
set BM SE 7' L+T Chalcedony + Ingraham			9.31		101.54
SE L+T (7') Law + Ingraham	13.03	121.68	2.20	108.65	(108.68)
TP#5	10.64	131.93	0.39	121.29	
SW 7' L+T. Beryl + Ingraham			6.99		125.08 124.94 +.14
TP#6	12.63	144.24	0.32	131.61	
TP#7	13.10	157.04	0.30	143.94	
TP#8	12.49	169.20	0.33	156.71	
TP#9 Curb BC SW Beryl + Jewell			11.03		158.17
TP#9 curb BC SW Beryl + Jewel	0.79	158.96			158.17
TP#10	+ 0.32	147.04	-12.24	146.72	
TP#11	0.65	135.10	12.59	134.45	
Set B.M. Fire Hyd SW cor Law + Jewell			3.59	131.51	
TP#12	0.88	123.36	12.62	122.48	

Check on Fire Hydt at SE cor Chalcedony + Jewel (B.M. #1)		123.36	-7.95	115.41	(115.41)
TP#13	+0.02	110.47	-12.91	110.45	
TP#14 SE L+T Chalcedony + Ingraham	+ 0.27	101.83	-8.91	101.56	(101.54)
TP#15	3.34	97.05	-8.12	93.71	
TP#16	+2.66	95.12	-4.59	92.46	
TP#17 NW. L+T chalcedony + Gresham	0.22	89.55	-5.79	89.33	(89.34)
TP#18 NW L+T NW cor Gresham + Missouri	+ 1.36	80.14	-10.77	78.78	
TP#19 = NW BP Diamond + Gresham see preceding pg			- 9.84	70.30	(70.30)

check 1807/29 for 125.08 Elev. SW. 7' L+T Beryl + Ingraham

B.M. #1 Above.

115.41
6.95
122.36
.50
121.86
12.43
134.29
5.94
128.35 = Top Fire Hydt. Kendall + Chalcedony } B.M. #2.

134.29
4.92
129.37
6.98
136.35
10.34
126.01 = S.W. 7' L+T. Lamont + Chalcedony B.M. #3

Pave. grades.
Dalbergia. Una to Woder

21.47
6.08
15.39

℄
5.23-ok.

16.27
5.20
21.47⊼

21.47
6.11
15.36

Wly Vesta
6+00

22.75
4.49
18.26

19.11 B.M.#1
3.64
22.75 ⊼

22.75 ⊼
5.45
1730

5+85±

Rake

0+15

Ely. Una.
0+00

B.M.#1 = N.E. 7' L+T. Dalbergia + Una. (Sheet 7050L)

19.11 B.M.#1
3.51
22.62 ⊼
5.19
17.43
4.23
21.66 ⊼
5.39
16.27 = S.wly. 7' L+T. = B.M.#2.
Dalbergia + Vesta.

Nly.	1/4	℄	1/4	Sly
15.33 6.33 ✓	15.74 5.73 33 6.06 x	15.91 5.75 + 33 6.08	15.74 5.73 33 6.06 x	15.33 6.33 ✓
15.39	15.91 5.56 33 5.89 x	16.07 5.59 + 33 5.92	15.89 5.58 33 5.91 x	15.36
18.26	22.75 18.52 + 4.23 + 0.33 4.56 x	18.45 4.17 + 33 4.50 ✓ x	22.75 ⊼ 18.04 4.71 + 0.33 5.04 x	17.30
18.33 4.29 ✓	18.52 4.23 + 0.33 4.56 x	18.41 4.21 + 33 4.54 ✓ x	22.75 18.02 4.73 + 0.33 5.06 x	17.33 5.29 ✓

B.M.#2 P.24 16.27

6+00 3 — (Mc 12.83 5.49 18.32) — Curb. cut. (on So.) — 12.33 / 6.00 / 18.33 ⊼

5+85 3

Rake

0+15 — B.M.#2 16.27 / 3.75 / 20.02 ⊼ — 0+15 Cut. 20.02 / 5.28 / 14.74

0+00 - Ely Vesta

B.M.#2 - P.24 16.27 / 4.27 / 20.54 ⊼ / 5.85 / 14.69 / 4.14 / 18.83 ⊼

12.83 6.00 ✓	13.08 5.25 +0.33 5.58 ×	13.16 5.67 +0.33 6.00 ✓	12.83 5.50 + 33 5.83	12.33 6.50 ✓
12.90	13.28 5.05 +0.33 5.38 ×	13.32 5.51 + 33 5.84 ✓	13.02 5.31 +0.33 5.64 ×	12.38
14.74	20.02 ⊼ 15.27 4.75 +0.33 5.08	15.45 5.09 + 33 5.42	15.27 4.75 +0.33 5.08	14.74
14.83 5.71	20.02 ⊼ 15.27 4.75 +0.33 5.08	15.41 5.13 + 33 5.46	15.27 4.75 +0.33 5.08	14.83 5.71

Intersection
Vesta & Dalbergia

B.M. #2-P24 16.27
4.87
21.14 = H.I.
Add. to H.I. for sub grade. 0.33
21.47 = sub. gr. H.I.

Check
el. cut
6.47
14.91
6.64 [sic]
-.33
6.31 ✓

	N. Gutter	N. 1/4	℄	S 1/4	S Gutter
Ely gutter Vesta.	14.91 / 6.56 ×	15.35 / 6.12 ×	15.49 / 5.98 ×	15.35 / 6.12 ×	14.91 / 6.56 ×
Ely 1/4					
℄ Vesta	15.08 / 6.39 ×	15.52 / 5.95 ×	15.67 / 5.80 ×	15.52 / 5.95 ×	15.08 / 6.39 ×
wly. 1/4					
wly gutter line Vesta.	15.25 / 6.22 ×	15.69 / 5.78 ×	15.83 / 5.64 ×	15.69 / 5.78 ×	15.25 / 6.22 ×

LANDIS

Arizona to Arnold.
W.O.# 31679

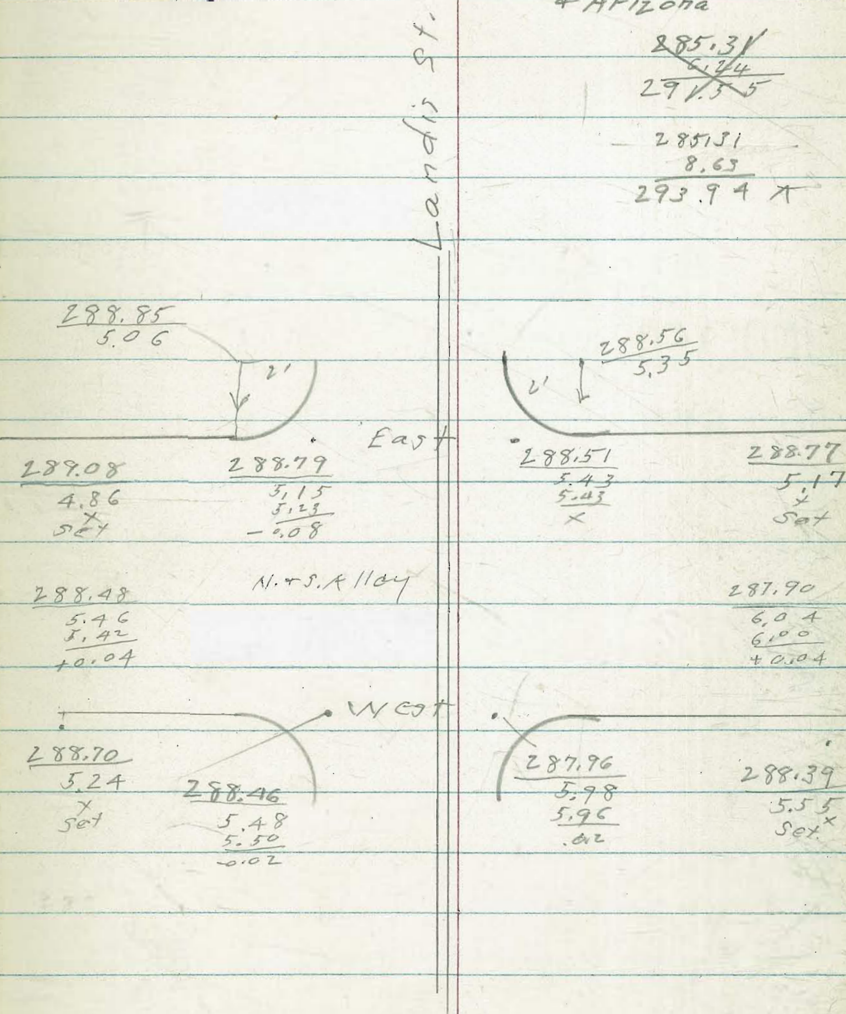
Sommermeyer
9-1-49

	North G.	North 1/4	℄	South 1/4	South G	
cl. 291.50 / 2.44 / x ok						cl 291.00 / 2.94 / 2.92 / +0.02
276+25 Arnold	291.14 / 2.80 / x ok		291.28		290.54 / 3.40 / x ok	
2+56 25	290.40 / 3.54 / x		290.57		289.93 / 4.01 / x	
0+20	285.26 / 8.68 / x		285.65		285.23 / 8.71 / x	
0+00 Arizona cl. 285.50 / 8.44 / 8.52 / -0.08	284.84 / 9.10 / x ok		285.47		284.93 / 9.01 / x ok	cl 285.50 / 8.44 / 8.53 / -0.09

B.P. S.E Landis & Arizona

~~285.31~~
~~6.24~~
~~291.55~~

285.31
8.63
293.94



Paving Grades Diamond St.

Morrell to Lamont. 9/17/49

0+00 = W. Line Morrell

	Rough	cl.	gutter	From L shoot 7262 S.W.B.P. ↙ Diamond & Lamont.	¼	℄	¼	gutter	cl.	Rough
1+20 ↙ T.P.	99.70			105.91						100.20
	3.90			1.98						3.40
	4.00			107.89						1.85
	F 0.10			10.93						C 1.55
			Top. Hydt. Morrell & Diamond	96.96	96.96					
0+80	98.64			6.64	6.66					99.14
	5.16			103.60 ✗	103.62 ✗	gutters.				3.46
	4.81			4.00						3.82
	C 0.35			99.60						C 0.64
		Rake	Rake	10.08	Rake		Rake	Rake	Rake	
0+40	97.57			109.68 ✗						98.07
	6.03									5.53
	5.54									3.91
	C 0.49									C 1.62
℄ B.C. 0+10		96.77	96.27	- Page 31						
		99.4								
W.L. Morrell 0+00	Rough to North 96.50	Grade to East 95.92	96.00		96.56		96.54	96.30	97.00	97.00
	7.10	7.68							9.71 ✗	6.60
	5.73	5.73								5.47
	C 1.37	C 1.95								C 1.13
				For Intersection						
℄ 0-40				See → P. 31 (cb2 + page.)					96.50	96.50
									10.21 ✗	7.10
										5.69
				Hydt. B.M. Morrel 96.96						C 1.41
				3.32						
	Rough to North	Grade to West		100.28 ✗						
E.L. Morell 0-80	95.17	94.95							96.00	96.00
	8.48	8.65							10.71 ✗	7.60
	8.56	8.56								4.98
	F 0.08	C 0.09								C 2.62
	103.60 ✗									103.60 ✗

Diamond St.

	Rough	cl.	gutter		1/4	℄	1/4	gutter	cl.	Rough
3+00	104.18 5.50 5.53 F 0.03	104.18 2.53 x	109.22π 103.68 5.54 x		104.12		104.19	103.98 5.24 x	104.68 2.03 x	104.68 5.00 1.55 C-3.45
2+80	103.83 5.85 5.97 F.0.12	103.83 2.88 x	103.33 5.89 x	π 103.62 0.18 103.44 5.78 109.22π	103.79		103.80	103.63 5.59 x	104.33 2.38 x	104.33 5.35 2.44 C-2.91
2+60	x-in drive 103.40 6.28 6.45 F 0.17	103.40 3.31 x	102.90 6.32 x		103.33		103.38	103.20 6.02 x	103.90 2.81 x	103.90 5.78 3.76 C-2.02
P.V.C. 2+40	102.90 6.78 6.71 C-0.07	102.90 3.81 x	102.40 6.82	72	102.84 6.38		102.86	109.22π 102.70 6.52 x	103.40 3.31 x	103.40 6.28 3.06 C-3.22
2+00	101.84 7.84 7.70 C-0.14	Rake	Rake		Rake		Rake	Rake	Rake	x-in drive 102.34 7.34 5.52 C-1.82
1+60	100.77 8.91 8.75 C 0.16									101.27 8.41 5.43 C-2.98
	109.68π (P.28)									

Diamond St. 9/12/49.

	Rough	Cl.	gutter			℄		gutter	Cl.	Rough
W.L. Lamont.										
5+00	105.00	105.00	104.76		105.39		105.47	105.20	106.00	106.00
	4.68	1.71	4.46					4.02	0.71	3.68
	4.60		×	109.68				✓		3.69
	C-.08			3.77						HT ✓
				105.91						
				= B.M.						
				✓						
4+75	105.40	105.40	104.90	S.W.B.P.	105.30		105.36	105.18	105.88	105.88
	4.28	1.31	4.32	Lamont +				4.04	0.83	3.80
	2.89	×	×	Morell				×	×	1.40
	C-1.39			105.91						C-2.40
4+36.6	105.20	1.51							1.02	105.69
	4.48	×							×	3.99
	3.43									1.37
	C-1.05									C-2.62
3+98.3	105.00	4.72	Rake	Rake			Rake	Rake	1.21	105.50
	4.68	×							×	4.18
	4.02	Rake							Rake	2.27
	C-0.66									C-1.91
E.V.C.										
3+60	104.80	104.80	104.30		104.71		104.79	104.60	105.30	105.30
	4.88	1.91	4.92					4.62	1.41	4.38
	4.11	×	×					×	×	0.87
	C-0.77									C-3.51
3+40	104.66	104.66	104.16		104.60		104.69	104.46	105.16	105.16
	5.02	2.05	5.06					4.76	1.55	4.52
	4.56	×	×					×	×	0.71
	C 0.46									C-3.81
										109.68 ✓
3+20	104.46	104.46	103.96		104.41		104.47	109.22	104.96	104.96
	5.22	2.25	5.26					104.26	1.75	4.72
	4.75	×	×					4.96	×	0.70
	C 0.47							×		C-4.02
	109.68 ✓									
	(P.29)									

Diamond & Morrell 9/11/49

10/3/49

C.b. stakes 4' Back of cl.

Gutter ℄ : 103.62

97.00 cl.

96.50 cl.

96.00 cl.

96.30 / 7.32

96.05 / 7.57 × — 95.93 / 7.69 × — 95.80 / 7.82 ×

95.68 / 7.94 × — 95.55 / 8.07 ×

95.30 / 8.32 ×

96.54 / 7.08 / 7.09 / 0.01

96.23 / 7.39 / 7.41 / 0.02 — 96.10 / 7.52 — 95.97 / 7.65

95.85 / 7.77 — 95.74 / 7.88

95.44 / 8.18 / 8.21

96.96 / 3.31 / 100.27

Existing Pavement.

96.56 / 7.06

96.18 / 7.44 / 4.09 — 96.04 / 7.58 / (4.27) — 95.90 / 7.72 / 7.73 / 0.01 — 4.37

95.77 / 4.50 — 95.77 / 7.85 — 95.64 / 7.98 — 95.64 / 4.63 ×

95.38 / 8.24 × — 100.27 / 95.38 / 4.89 ×

Restaked 11/15/49

96.17 / 7.35 / 103.52 ℄ / 96.17 / 9.94 ×

96.00 / 7.62 ×

96.50 / 3.88 / 10.21

95.80 / 4.47 — 95.80 / 7.82 ×

95.83 / 7.79 × — 95.83 / 4.44 × — 95.76 / 7.86 × — 95.76 / 4.51 ×

95.58 / 4.69 — 95.58 / 8.04 ×

95.33 / 8.29 × — 95.33 / 4.94 × — 94.62 / 9.00 ×

95.63 / 7.99 ×

96.23 / 4.05 ×

6.85 / 7.75 / +0.10

℄ 100.28 P 28.

103.62 ℄

95.12 / 5.16 ×

94.68 / 8.94 ×

95.18 / 5.10 ×

95.92 / 4.36 ×

95.22 / 8.40 × / 5.05 — 95.28 / 8.34 × / 4.79 × — 95.24 / 8.38 × / 5.03 ℄

95.04 / 8.58 × / 5.23 × — 94.45 / 9.17 × — 94.95 / 5.33 × / 8.67

7.70

S.L. Diamond

Alley Blk 57 Normal Hgts.

1+50	383.19 / 4.98 / 5.22 / F 0.24	383.48 / 4.69 / 5.22 / F 0.53 — 382.95	383.19 / 4.98 / 5.33 / F 0.35	383.48 / 4.69 / 5.33 / F 0.64 — 382.84
1+00	383.48 / 4.69 / 4.54 / C 0.15	383.63 / 4.54 / X — 383.63	383.48 / 4.69 / 4.54 / C 0.15	383.63 / 4.54 / X — 383.63
E.V.C. 0+50		388.17 / 383.78 / 4.39 / 3.79 / C 0.60 — 384.38		383.78 / 4.39 / X
T.P				
0+30		383.57 / 3.47 / 2.89 / C -0.60 — 385.28		383.59 / 3.47 / 3.12 / C 0.35 — 385.05
P.V.C. 0+10		382.50 / 4.56 / 3.67 / C 0.89 — 384.50		382.60 / 4.46 / 3.96 / C 0.50 — 384.21
S.L. Madison 0+00		381.80 / 5.26 / out.		381.90 / 5.16

T.P.

4+50	382.15 / 6.02 / 5.40 / C 0.62 — 382.77	382.15 / 382.58	382.15 / 6.02 / 5.10 / C 0.92 — 383.07	382.15 / 382.58
4+00	382.30 / 5.87 / 5.45 / C 0.42 — 382.72	382.30 / 382.78 / 5.44	382.30 / 5.87 / 5.70 / C 0.17 — 382.47	382.30 / 382.78 / 5.44
3+50	382.45 / 5.72 / 5.93 / F 0.21 — 382.24	382.45 / 382.88 / 5.29	382.45 / 5.72 / 5.44 / C 0.28 — 382.72	382.45 / 382.88 / 5.29
3+00	382.60 / 5.57 / 5.96 / F 0.39 — 382.21	382.60 / 383.03 / 5.14	382.60 / 5.57 / 5.81 / F 0.24 — 382.36	382.60 / 383.03 / 5.14
2+50	382.75 / 5.42 / 5.88 / F 0.46 — 382.29	382.75 / 383.18 / 4.89	382.75 / 5.42 / 5.79 / F 0.37 — 382.38	382.75 / 383.18 / 4.89
2+00	382.90 / 5.27 / 5.59 / F 0.32 — 382.58	382.90 / 383.33 / 4.84 / 5.59 / F 0.75	383.38 / 4.84 / 5.44 / F 0.60 — 382.73	382.90 / 5.27 / 5.44 / F 0.17

E.V.C. 6+42.6	379.40			
6+30	380.00			
6+10	381.02			
5+90	381.45			
P.V.C. 5+70	381.79	382.22	381.79	382.22
T.P. 5+50	381.85	382.28	381.85	382.28
	5.84		5.84	
	4.95	382.74	4.93	382.76
	C 0.89		C 0.91	
	387.69 ✗			
5+00	382.00	382.43	382.00	382.43
	5.69		5.69	
	4.82	382.87	4.91	382.78
	C 0.87		C 0.78	

S.E. B.P. Madison + Bancroft. 381.01 (1811/17)
6.05
387.06 ✗
2.88
384.18 Rock
3.99
388.17 ✗
5.50
382.67
5.02
387.69 ✗

Rough Grade Hilltop Dr. Euclid to 51st.

11/14/49 & Sommermeyer McCoy Allen Rorer

V.V.O.#

F.B. 1612/16 + 1617/29

Profile # 3117	North	South
0+60	158.24	157.74
	6.71	7.21
	0.92	8.41
	C-5.79	F 1.20
0+48	159.30	158.80
	5.65	6.15
	0.58	6.64
	C-5.07	F 0.49
0+40	160.00	159.30
	4.95	5.65
	0.79	5.84
	C-4.16	F 0.19
0+30	160.86	159.50
	4.09	5.45
	0.73	3.60
	C-3.36	C-1.85
0+00 = E. Line Euclid To South.		164.95 ℄
		159.50
		5.45
		5.97
		F 0.52
B.M. = Cut ℄ Hilltop 4.88 - 164.95 + E. 10' line Euclid	—	160.07 FB 1611/20

	North	South
T.P. ↓ W.L. 51st		
1+50	164.95 ℄	
	145.50	144.95
	19.45	9.74
	12.57	11.80
	C-6.88	F 2.06
1+42.5	146.45	154.69 ℄
	18.50	146.13
	9.41	8.56
	C-9.09	8.25
		C.0.31
1+00	153.05	164.95 ℄
	11.90	152.60
	3.73	12.35
	C-8.17	11.36
		C 0.99
		164.95 ℄
		12.57
		152.38
		2.31
		154.69
0+80	155.90	155.41
	9.05	9.54
	1.48	9.54
	C-7.57	0.Grade

Alley Blk. 55 Ocean Beach
Sunsett Cliffs Blvd. to Cable
Between Cape May + Saratoga

11-25-49
W.O.# 31625

Sommermeyer
McCoy
Allen
Rorer.

	Sly.	Nly.
1+40	□-2 21.32 4.87 4.65 C0.22	□-2' 21.32 4.87 4.08 C0.79
1+20 P.V.C.	26.19π 21.70 4.49 3.96 C0.53	□-2 26.19π 21.70 4.49 4.27 C0.22
1+00	□-1' 22.15 7.05 6.48 C0.57	□-2 22.15 7.05 ×
0+50	□-2' 23.35 5.85 5.73 C0.12	N-0.15 23.35 5.85 5.00 C0.85
0+00 = Ely. Sunsett Cliffs Blvd.	29.20π 24.54 4.66 4.70 -0.03	29.20π 24.54 4.66

			N.W. B.P. Cape May + Sunsett Cliffs Blvd
3+70	□-2' 18.45 7.74 7.40 C0.34	N. Line 18.45 7.74 7.03 C0.71	24.04 5.16 29.20π 7.46 21.74 4.45 26.19π
3+20	□-1' 19.05 7.14 7.10 C0.04	N-0.29 19.05 7.14 6.04 C1.10	8.66 17.53 3.76 21.29π
2+70 (1.193 Rate)	N-1.37 19.65 6.54 5.13 C-1.41	N-0.45 19.65 6.54 5.06 C-1.48	
2+20	□-2' 20.25 5.94 5.26 C0.68	N-0.20 20.25 5.94 5.43 C0.51	
1+80 E.V.C.	□-2' 20.72 5.47 4.90 C0.57	N-0.55 20.72 5.47 4.70 C0.77	
1+60	X-2' 20.99 5.20 4.64 C0.56	N-0.50 20.99 5.20 4.41 C0.79	

Alley Blk. 55. O.B.

Ely. line Cable 6+00 E.V.C.	14.49 6.80 ✓	14.51 6.78 ✓
5+80	□-2' 15.21 6.08 5.33 C 0.75	X-2' 15.23 6.06 5.96 C 0.10
5+60	□-2' 15.86 5.43 5.05 C 0.38	X-2' 15.87 5.42 5.75 F 0.33
5+40	□-2' 16.34 4.95 4.44 C 0.51	X-2' 16.34 4.95 4.30 C 0.65
PVC 5+20 Nail in edge of flooring at door.	-2.48 16.66 4.63 2.26 C 2.37	X-2 16.66 4.63 4.27 C 0.36
4+70	□-2 21.29 π 17.26 4.03 3.80 C 0.23	□-2' 21.29 π 17.26 4.03 3.67 C 0.36
4+20	X-2' 26.19 π 17.86 8.33 8.20 C 0.13	□-2 26.19 π 17.86 8.33 8.38 F 0.05

Sewer Lat. #1 - 15' Rt. 4+70

□-5'

21.29 π

El. = 12.26

9.03

3.65

C 5.38

Drain Blk. 192 Univ. Hgts.
Blaine Ave. East of Centre

Sommermeyer
McCoy
Allen
Rorer

W.O. # 20586
12/6/49

See sheet 7804-L
F.B. 1816/70

0+91.45	302.55 ⊼ 294.72 7.83 3.82 C- 4.01	B.M.: N.W.B.R. Univ. + Centre 303.88 2.95 306.83 ⊼ 6.41 300.42 2.13 302.55 ⊼ 3.34 299.21 7.08 296.29 2.41 303.88 BM
B.r.k. 0+71.45	294.92 11.91 6.41 C- 5.50	
E.C. 0+42.13	296.05 10.78 4.61 C- 6.17	
B.C. Rt 0+26.77	296.63 10.20 5.04 C- 5.16	4' Rt. on wall 296.63 10.20 4.65 C- 5.55
Exist pipe 0+00	306.83 ⊼ 297.65 9.18	

1 %
3.8 %

Stakes set 9' Lt. To 1+51 45
" " 5' Rt 1+51 45 to 2+12 91

1+92.09	293.71 8.84 6.70 C- 2.14	
1+73.27	293.90 8.65 5.30 C 3.35	
B.C. Lt. 1+54.45 Δ 90° Rt.	294.09 8.46 4.31 C- 4.15	
Ctr. Box inlet 1+51.45 Set at 1+53.45	294.12 8.43 4.42 C 4.01	Top of box 298.12 4.43 4.42 C 0.01
1+31.45	294.32 8.23 4.54 C- 3.69	
1+11.45	294.52 8.03 4.26 C- 3.77	

Haines St

Missouri to Chalcedony

Sommermeyer
McCoy
Allen
Rorer

Rough grade. 12/7/49
(Drainage)

Chalcedony St.

Exist Pave

NEBP Chalcedony + Haines
92.58
077
93.35

3.27 ← 2+70 Pave. → 3.21
90.08 90.14

88.87 — 2+16 — 88.95
4.48 4.40
3.63 4.08
C 0.85 C 0.32

INDEXED MK SEP 7 1950

87.66 — 1+62 — 87.75
5.69 5.60
5.27 5.51
C 0.42 C 0.09

86.45 — 1+08 — 86.55
6.90 6.80
6.60 6.86
C 0.30 X

85.25 — 0+54 — 85.35
8.10 8.00
7.75 8.05
C 0.35 X

Grd. on ct. line = 84.05 — 0+00 — 84.15 = Grd on ct. line
9.30 9.20
8.80 8.85
C 0.50 C 0.35

Missouri

Dirt street

Stakes 3' back of ct. line

Stakes 3' back of ct. line

Haines St. - Chalcedony to Law.

Rough grades

(Drainage)

INDEXED MK SEP 7 1950

Exist. Pave. Law. St.

Law + Haines
NE.B.P.
103.10
100
104.10

3.25
EL: 100.85

2+70 — 2.75
101.35 = EL.

99.03 — 2+16 — 99.51
5.07 4.59
3.36 3.25
C 1.71 C 1.34

97.20 — 1+62 — 97.68
6.90 6.42
4.95 4.95
C 1.95 C 1.47

95.38 — 1+08 — 95.185
8.72 8.25
6.57 6.68
C 2.15 C 1.57

93.55 — 0+54 — 94.02
10.55 10.08
8.37 8.37
C 2.18 C 1.71

12.37 — 0+00 — 11.91
91.73 EL. 92.19 = EL.

Exist Pave. Chalcedony

Jewell St. { 125' So. of Chalcedony / To Chalcedony

Rough grades for drainage 12/7/49

Chalcedony Exist Pave.

109.97 = Exist Pave.

110.51 El. Pave.

1+25

108.72 / 5.24 / 3.60 / C 1.64	0+75	109.18 / 4.78 / 2.03 / C 2.75
107.44 / 6.52 / 5.60 / C 0.92	0+25	107.86 / 6.10 / 5.00 / C 1.10
106.80 / 7.16 / 6.97 / C-0.19	0+00	107.20 / 6.70 / 6.13 / C 0.63

Stakes 3' back of ct. line.

NEBP Chalcedony + Jewell.
113.28
0.68
113.96 ✓

Not graded so as to save oiled road.

145'

20' wide oiled road.

N. line Missouri

Kendall St. Law to Chalcedony

Rough grades for drainage.

Exist Pave. Law St.

132.07 = El. Pave.

2+70

132.97 = El. Pave.

NEBP Law & Kendall
135.65
1.29
136.93 ✓

131.00 / 5.93 / 4.25 / C 1.68	2+26	131.81 / 5.12 / 2.83 / C 2.29
129.91 / 7.02 / 5.30 / C 1.72	1+82	130.65 / 6.28 / 3.83 / C 2.45
128.83 / 8.10 / 6.65 / C 1.45	1+38	129.49 / 7.44 / 5.00 / C 2.44
127.75 / 9.18 / 8.09 / C-1.09	0+94	128.33 / 8.60 / 6.66 / C-1.94
126.67 / 10.26 / 9.70 / C-0.56	0+50	127.17 / 9.76 / 8.10 / C 1.66

Stakes 3' back of ct. line

124.40 = El. Pave.

Exist Pave. Chalcedony

125.01 = El. Pave

41

Hortensia No. of La Jolla

185'- Sewer

12/12/49

Sommermeyer
McCoy
Allen
Burch

0+00 = M.H. ctr. Hortensia & La Jolla

Set. Nail in pole " Hortensia & La Jolla

El. 65.82

9.24 Rim Exist M.H.
5.60
14.84 = Rod

74.49 x
14.84
59.65 I.E. M.H.

59.65
5.70
65.35

~~285' @ 2.5% Gr =~~ ~~7.12~~ ~~66.77~~

use 2%

73.00
66.77
6.23

285' @ 2%

73.00 Grd
65.35
7.65 cut

B.M. = SE. Ampudia & La Jolla = 43.75
12.85
56.60
0.59
56.01
11.07
67.08
1.26
65.82
8.67
74.49

P.E. = 2+85
Grd El. = 73.0

65.35
9.14
1.40
C-7.74

2+50
64.65
9.84
2.47
C-7.37

2+00
63.65
10.84
3.95
C-6.89

1+50
62.65
11.84
5.60
C 6.20

1+00
61.65
12.84
6.40
C 6.44

0+50
74.49 x
60.65
13.84
7.55
C 6.29

La Jolla Blvd. 0+00 I.E. 59.65

39th St. Ocean View to Imperial

s'ly. Franklin 2+79	99.95 / 12.03 x	111.80R / 100.55 / 11.25	100.35 / 11.63 x
			BM. #4 NW.B.P. Ocean View & 39th = El. 110.29 / 1.67 / 111.98 / 11.63 / 100.35 = S.W. 7' L+T. Franklin & 39th = BM. #5
1+99 Brk	102.77 / 9.21		—
N.L. Alley 1+47	104.63 / 7.35 / 6.67 / C 0.68		104.57 / 7.41 / 6.73 / C 0.68
Top. Cl.			
S.L. Alley to West 1+32 / S.L. Alley to East 1+27	105.13 / 6.85 / 6.19 / C 0.66		105.12 / 6.86 / 6.19 / C 0.67
0+20	108.82 / 3.16 x	109.42 / 2.38	108.82 / 3.16 x
N'ly. Ocean View 0+00	109.48 / 2.50 / 2.50 / +0.00	111.80R / 110.02 / 1.72	109.49 / 2.49 / 2.51 / −0.02

Alleys Blks 1+2 (Suburba) Hgts Superba

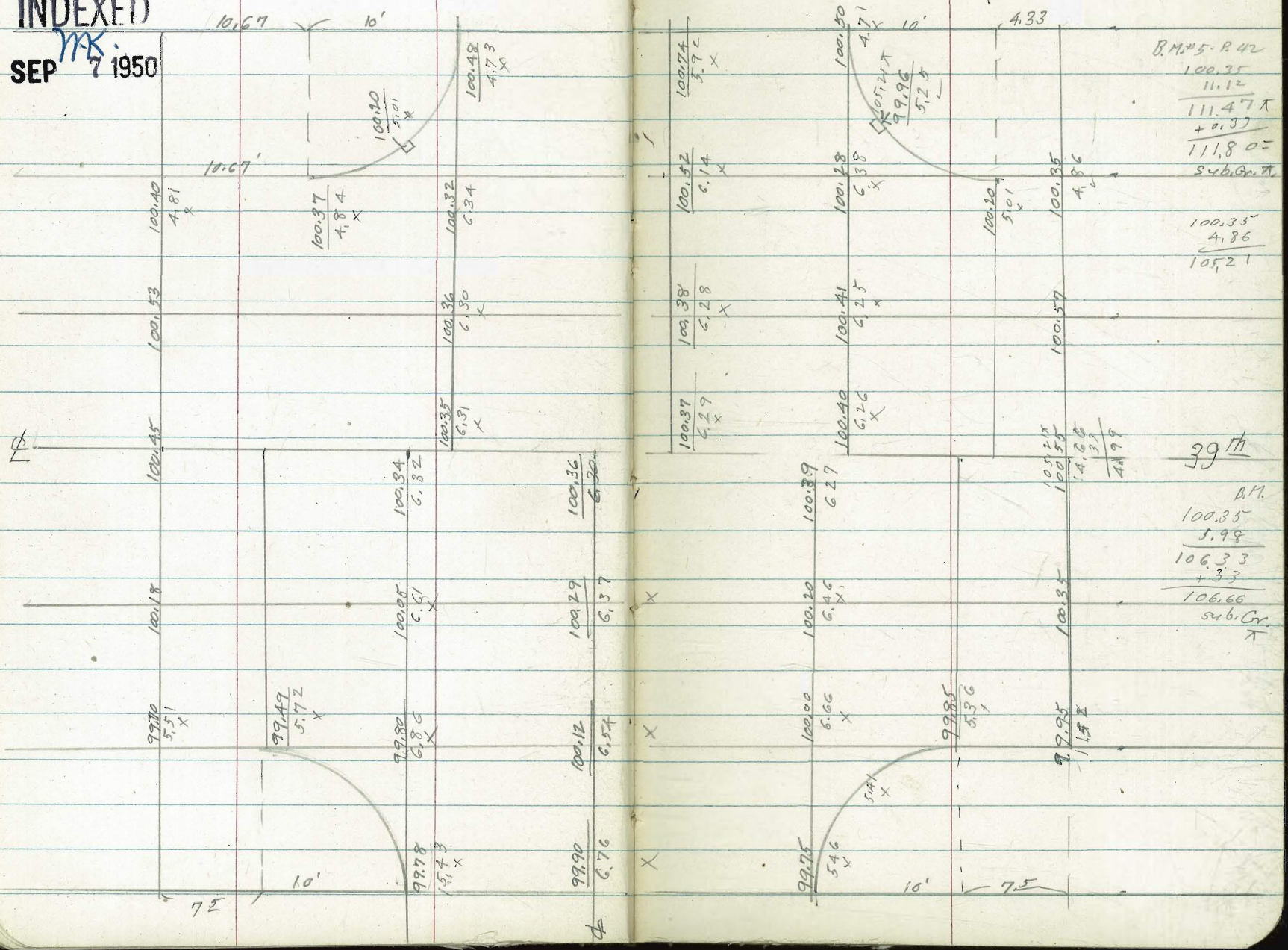
BLK 1

	cl. 2'	Ret. E.C. − 8'	Prop.
N. line	104.57	104.71 / 7.27 x	105.25 / 6.73 x
℄	104.85	—	105.12
S. Line	105.12	105.16 / 6.82 x	105.50 / 6.48 x

Alley Blk 2. (Suburba) Hgts. Superba

	Prop ← 8' →	cb. E.C. ← 2' →	cb. line
N. line	105.30 / 6.68 x	104.77 / 7.21 x	104.63
℄	105.16	—	104.88
S. line	105.52 / 6.46 x	105.21 / 6.77 x	105.13

39th & Franklin Intersection



39th Franklin to Superior

BM#5
P 42
100.35
7.47
107.82
3.90
103.92
103.94
- 0.02
BM#3
P.46

Sly. Superior
2+70±
103.30 / 4.52 / x | 111.45 / 103.98 / 7.47 | 103.86 / 3.96 / x

Nly. line Alley
1+45±
101.82
6.00
5.35
top. cb. c 0.65

Sly. Line Alley
130.±
101.61
6.21
5.59
top. cb. c 0.62

N.L. Franklin
0+00
99.70 / 8.12 / x | 106.29 / 100.45 / 5.84 / 33 / 6.17 / L | 100.40 / 7.42 / x

Alley Blk. 3 Suberba Hgts.

Prop. - 8' - E.C. - 2' - cb.

BM #5 - P.42
100.35
5.94
106.29 x

N. Line	102.40 / 5.42 / x	101.94 / 5.88	101.82	
				103.94 / 7.18 / 111.12 / + 33 / 111.45 x
℄	102.00	—	101.71	
S. line	102.20 / 5.62 / x	101.73 / 6.09 / x	101.61	

39th + Superior Int.

Returns
103.94 - B.M. #3 - R.A.G.
6.07
110.01

℄ 39th

B.M. #3
103.94
6.62
110.56
+ .33
110.89 Sub. Gr.

℄ Superior

104.42 / 6.46	104.34 / 5.67	104.20 / 5.81	105.99 / 6.02	103.86 / 6.15
104.58 / 6.31	104.46 / 6.43	104.29 / 6.60	104.12 / 6.77	104.02 / 6.87
104.55 / 6.34	104.43 / 6.46	104.26 / 6.63	104.09 / 6.80	103.98 / 6.91
104.32 / 6.57	104.22 / 6.67	104.06 / 6.83	103.88 / 7.01	103.77 / 7.12
104.00 / 6.01	103.95 / 6.94	103.85 / 7.04	103.50 / 7.39	103.30 / 6.71
5.70	104.10 / 5.91	104.15	103.59 / 6.46	6.58

10' 15' 15' 10'

39th Superior to Suberba

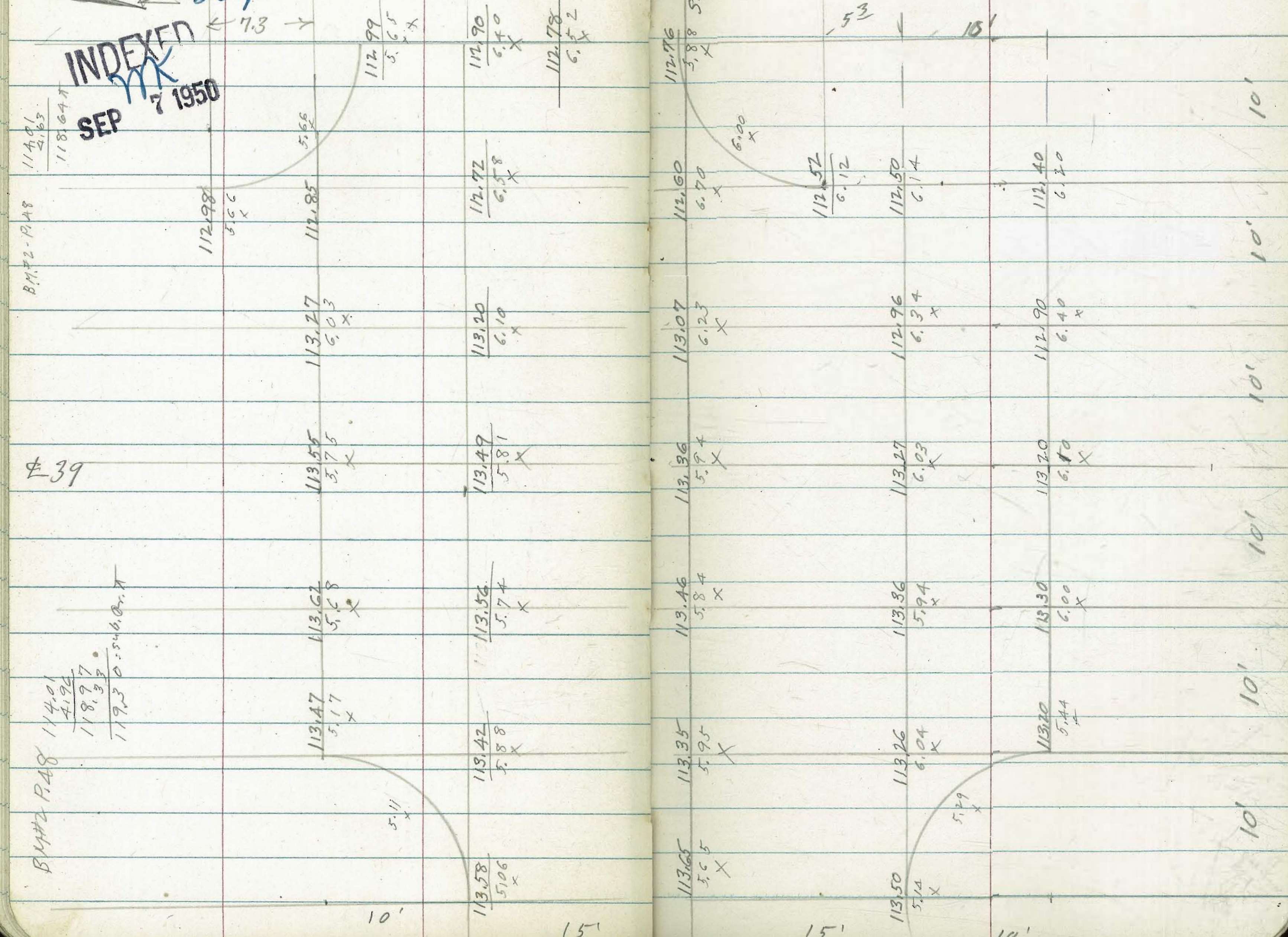
Alley Blk 2

Station	West	℄	East	
				P. 48 B.M. #2 114.01 1.26 115.27 ⊼ 11.33 103.94 = S.W. 7' L+T. Superior & 39 = BM# 3
Sly Suberba 2+65±	113.20 / 2.07	113.20	112.40 / 2.87	
Nly line Alley 1+40	108.89 / 6.38 / Nail 6.53 / F 0.15		—	
Sly. Line Alley 1+25	108.30 / 6.97 / Nail 7.14 / F 0.17		—	
0+20 Brk	104.69 / 10.58 ×	110.89 ⊼ 105.25 / 5.64 ×	105.02 / 10.25 ×	
Nly. Superior 0+00	104.00 / 11.27 ×	104.55	104.42 / 10.85 ×	

	Prop. – 8' –	2' to B.C. – 2' –	℄ line
N.L.	109.16 / 6.11 ×	108.94 / 6.33 ×	108.89
℄	108.74	—	108.60
S. line	108.81 / 6.46 ×	108.40 / 6.87	108.30

39th + Suberba Int.

Superba



39th Suberba to Imperial

				B.M.#1
Sly. Imperial 2+47.2	117.67	118.97 X 117.95	117.83	B.P. S.E. 39 + Imp.
	1.62	1.62	1.46	118.40
	1.63		1.49	0.89
	X		0.83	119.29
				5.28
				114.01 =
2+27.2 Brk	117.31	119.30 X 117.47	117.43	N.W. 4' Cor.
	1.98	1.83	1.86	Suberba
	X	X	X	= B.M. #2
Nly. line Alley 1+40	115.74		—	
	3.55			
Nail	3.84			
	F 0.29			
Sly. line Alley 1+25	115.47		—	
Nail	3.82			
	4.11			
	F 0.29			
0+20 Brk	113.79	119.30 X 113.92	113.25	
	5.50	5.38	6.04	
	X	X	X	
			0+10	
			112.98	
			6.31	
			Y	
Nly. Suberba. 0+00	113.47	113.55	~~113.88~~	
	5.82		~~5.44~~	
	X			

Alley Blk. I

	Prop.	c.b. line
N. line	116.11	115.74
	3.18	35 ~~5~~
		-.07
		3.48 - 2' back of c.b. line
		X
&	115.76	115.60
S/y. line	115.91	115.47
	3.38	3.82
		-.9
		3.73 Rod 2' Back of c.b. Line
		X

Sewer grades

ANNA + PACIFIC Hy. Ely. Thru. P.L. 272

W.O. 20468
3-9-50

Sommermeyer
McCoy
Allen
Burch

B.M. = 1+10 56 1875/70
4.92
11.38
16.30 HI
11.38
4.92
5.46
10.38 HI

1+57.56	-5.76	~~-5.76~~	
	15.82	~~16.14~~	
	4.51	~~4.69~~	
	C 11.31	~~C-11.45~~	
1+37 56	-5.79	~~-5.79~~	
	15.85	~~16.17~~	
	4.97	~~5.24~~	
	C 10.88	~~C-10.93~~	
1+17 56	-5.82	~~10.38 HI~~	
	15.88	~~-5.82~~	
	5.25	~~16.20~~	
	C 10.63	~~5.50~~	
		~~C-10.70~~	

2+75
℄ = 15.22
Gr. = -5.59
9.63 = El stub.
0.43
10.06 = HI
2.39
7.67 = BM#1
R.R. Spike in pole N.E. Anna + Pacific

0+94 7 = P.O.T. on ℄

See Page 53

0+36 02 = P.O.T. on ℄

Exist M.H. Pacific + Anna
0+00

1+37 56
10.06 HI
-5.79
15.85
-.04
15.81 50
12.09
C-3.73
to Nail

No.
15.81
12.00
C-3.81
to Nail

-6.00
1+17 56
10.06 HI
-5.182
15.88
-.04
No. 15.84
12.16
C.3.68

-7.81 = Trunk sewer IE
24.11
24.09
~~10.02~~ ok

15.84 south
12.19
C.3.65

to Nail in bulkhead

7.67 = B.M.# 1
1.97
9.64

2+75		10.38 HI	
		-5.59	
		15.97	
		0.75	
		C-15.22	
2+60		-5.61	
		15.99	
		0.90	
		C-15.09	
2+40		-5.64	
		16.02	
		5.08	
		C-10.94	
2+20		-5.67	
		16.05	
		6.07	
		C-9.98	
2+00	-5.70	~~-5.70~~	
	15.76	~~16.08~~	
	4.49	~~4.80~~	
	C-11.27	~~C-11.28~~	
1+80	-5.73	~~-5.73~~	
	15.79	~~16.11~~	
	4.34	~~4.53~~	
	C-11.45	~~C-11.58~~	

Restake
4-3-50

1+17 56
2.04 Lt of ℄
9.64
-5.182
15.46
-.04
15.42
12.24
C 3.18
Nail in No. stringer

2.14 Rt of ℄
9.64 HI
-5.182
15.46
-.04
15.42
12.24
C.3.18
Nail in So. stringer

1+37 56
9.64 HI
-5.79
15.43
-.04
15.39
12.29
C 3.10
2.05 Lt of ℄

-5.79
15.43
-0.04
15.39
12.29
3.10
2.13 Rt of ℄

3+80[12]	9.61 ⊼ −5.43 15.04 8.54 C 6.50	10.38 ⊼ 2.80 7.58 3.66	End. of Job. 5+00	−5.25 14.86 4.89 C 9.97
3+60[12]	11.24 ⊼ −5.46 16.70 10.25 C 6.45	11.24 ⊼ 10.25 0.99 8.62 9.61 0.06 9.55 0.69 10.24 5.32 4.92 ✓ orig B.M.	4+75	−5.29 14.90 5.06 C 9.84
3+40[12] ℄ special Joint	−5.49 16.73 8.66 C 8.07		4+50	−5.33 14.94 5.00 C 9.94
3+25	−5.51 16.75 7.10 C 9.65		4+25	−5.36 14.97 4.66 C 10.31
3+05	−5.54 16.78 3.62 C 13.16		4+00	−5.40 15.01 6.99 C 8.02
2+90	11.24 ⊼ −5.57 16.81 3.66 C 13.15		3+94[12] = ℄ special Joint	−5.41 15.02 7.71 C 7.31

Witherby Underpass Drain

Sommer 3-15-50

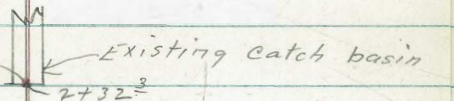
W.O.# 20453

Rate on 7603-L = 3.23%

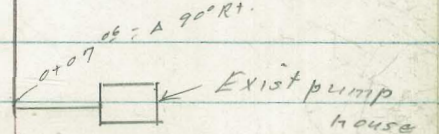
" set to miss exist drain = 3.66%

S.W.B.P. Witherby + Moore

27.73
0.80
28.53
111.93
16.60
1.01
17.61
6.72
10.89
2.48
13.37%



4.50	+3.50	
8.87	9.87	
3.60	3.60	
C- 5.27	C- 6.27	
3.32	+2.46	2+00
10.05	10.91	
3.33	3.83	
C- 6.72	C- 7.58	
+1.49	+0.84	1+50
11.88	12.53	
3.19	3.19	
C- 8.69	C- 9.34	
-0.34	-0.77	1+00
13.71	14.4	
5.59	5.59	
C- 8.12	C- 8.55	
-2.17	-2.39	0+50
15.54	15.76	
6.68	6.68	
C- 8.86	C- 9.08	
-3.75	-3.77	
17.12	17.14	
7.10	7.10	
C-10.02	C 10.04	



Scott - South of Lowell

4/3/50
W.O. 22004

0+00 = 100' Sly. from Sly. line Lowell.

Fd. Nail in Bldg. 0+00 Lt.

Berm Gr. 1.27
Cut = 2.30
Et. Nail 3.57
3.82
7.39 ✗

Sommermeyer
McCoy
Allen

	West. Gutter	℄	East gutter
0+80	1.95	2.12	1.58
0+60	1.40	1.60	1.07
	5.99	5.79	
	6.76	6.77	
	F 0.77	F 0.98	
0+40	0.99	1.19	0.68
	6.40	6.20	
	6.75	6.84	
	F 0.25	F 0.64	
0+20	0.75	0.93	0.42
	6.64	6.46	
	6.75	6.86	
	F 0.11	F 0.40	
0+00	7.39 ✗		
	0.60	0.60	0.30
	6.79	6.79	No paving on this line
	6.74	6.82	
	C 0.05	F 0.03	

0.75 over old pavement = required clearance.

Anna St + Pacific Hy Sewer

From P. 49 4/10/50

(Nail 10' Rt. - Line only)
Stub 10' Lt.
0+14

-5.98
23.50
7.25
C-16.25

BM #1 P. 49
7.67
9.85
17.52

stub 10' Lt
0+03

0.15%

-6.00
23.52
8.62
C-14.90

0+00 =

-6.00
23.52
8.60
C-14.92

on Hy Rim, M.H.

Pump House
La Jolla Hermosa

Sommermeyer
Allen
Sherman

INDEXED
MK
SEP 7 1950

N'ly + E'ly lot lines located as shown on sheet 1530 D.

Set B.M. 7' tack at E.C.	1794/54		5.79	24.56
Check Exit M.H. #5 FB 1429-1			0.23	30.13 (30.13 OK)
M.H. #6 FB 1429 /	8.19	30.35	—	22.16

Pump House
Bird Rock

INDEXED
SEP 7 1950

X = cross in conc
□ = stub

Grade from M.H. (I.E. = 19.00 on 1532D) to Exist M.H. ℄ Bird Rock & Dolphin Pl.

	0+00	0+10	0+20	0+30	0+40
0-25					
M.H. to be Const.	19.65	19.91	20.17	20.42	20.66
	10.81	11.55	11.29	11.04	10.80
19.00	5.33	5.03	4.76	4.53	4.18
	C 6.48	C 6.52	C 6.53	C 6.51	C 6.62

	0+50	0+53 = Exist M.H.	B.M.
	20.92	20.96	26.02
	10.54	10.50	5.44
	3.88	3.82	31.46X
	C 6.66	C 6.68	

Set B.M. chiseled □ in So. Cb. Bird rock (See opposite page) 20' from end of Cb. — 4.41 — 26.02

S.E. 10' Lt. Dolphin + Bird Rock. — 2.80 — 30.43 — 27.63

FB 1646
39

℄ Bird Rock

55

4'

Located as shown on sheet 1532D.

Cb. (End of Bird rock roadway)

℄ Pump House

41

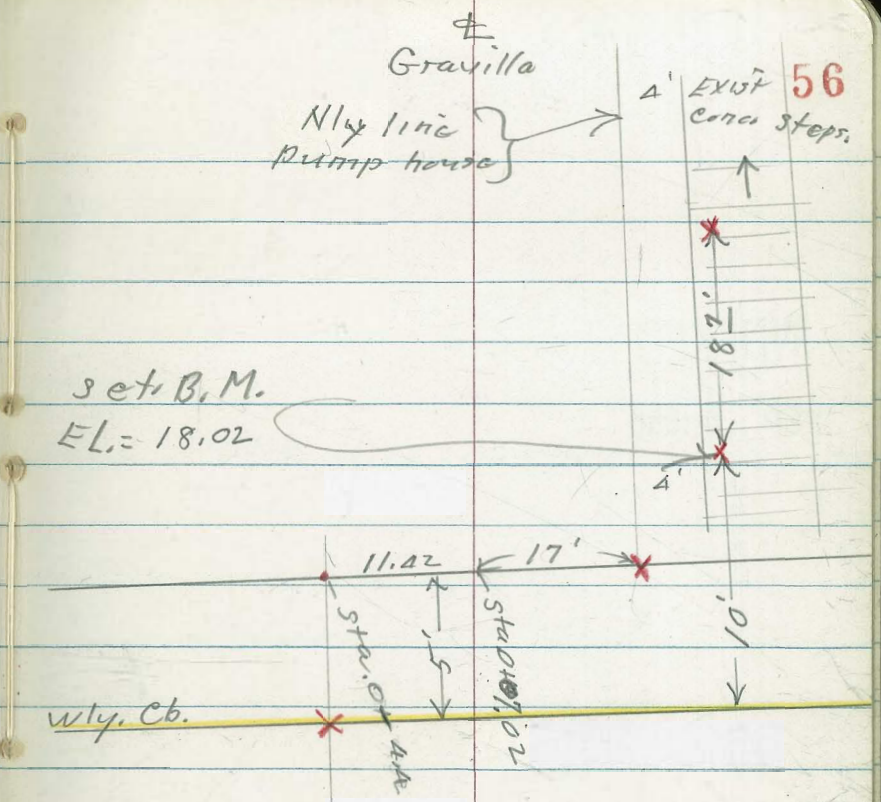
Pump House
Gravilla St.

Sommermeyer
Allen
Sherman

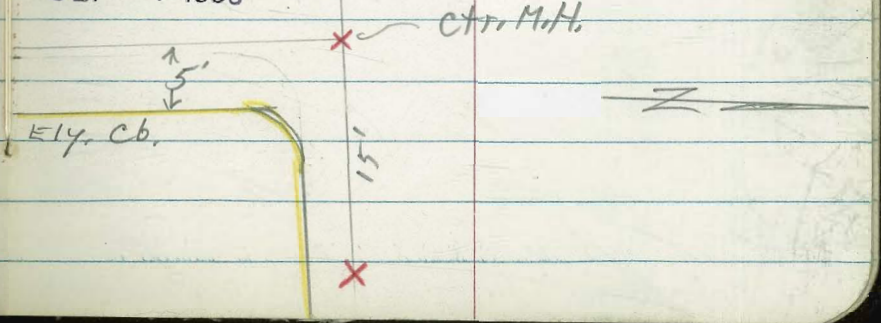
4/27/50

sheet 1528-D ✓

x = cut cross in conc.
• = nail



Neptune Place.



x - on steps. (opposite page) 10.79 18.02

N.E.B.R. Gravilla & Vista Del Mar 0.49 28.81 — 28.32

Alley Blk. 59 Univ. Hgts. 5/17/50

W.O. 31707

Sommermeyer
Begg
Allen
Sherman

	West	East
1+28	383.36	383.56
	5.41	5.21
	5.07	4.53
	C 0.34	C 0.68
0+94	X-2' 383.22	383.42
	5.55	5.35
	4.76	4.77
	C 0.79	C 0.58
		388.77 X
0+60	383.08	383.28
	5.69	5.49
	5.34	5.04
	C 0.35	C 0.45
	N. - 0.40	386.50 X
0+40	382.92	383.13
	3.58	3.37
	2.20	2.70
	C 1.38	C 0.67
	D-1'	
0+20	382.61	382.82
	3.89	3.68
	4.04	1.71
	F 0.15	C 0.97
0+00	382.23	382.44
	4.27 ✓	4.06 ✓

	West	East	
	D-1'		
3+32	384.68	384.88	S.E.B.P. 30th + Monroe.
	5.68	5.48	378.96
	5.14	5.39	7.54
	C 0.54	C 0.09	386.50 X
		N 170	2.74
3+01	384.36	384.56	383.76
	6.00	5.80	5.01
	5.46	4.57	388.77 X
	C 0.54	C 1.23	4.04
			384.73
			5.63
			390.36 X
2+70	384.05	384.25	
	6.31	6.11	
	6.07	5.29	
	C 0.24	C 0.82	
		390.36 X	
2+50	383.88	384.08	
	6.48	6.28	
	6.11	5.24	
	C 0.37	C 1.04	
	X-2'	388.77 X	
2+30	383.77	383.97	
	5.00	4.80	
	4.66	3.70	
	C 0.34	C 1.10	
1+96	383.64	383.84	
	5.13	4.93	
	4.68	4.57	
	C 0.45	C 0.36	
1+62	383.50	383.70	
	5.27	5.07	
	5.24	4.22	
	C 0.03	C 0.85	

Alloy Blk.

	West		East	
5+18	386.57		386.77	
	5.36		5.16	
	4.97		4.29	
	C 0.39		C 0.87	
			X-2'	
A+87	386.25		386.45	
	5.68		5.48	390.36
	5.48		4.45	4.30
	C 0.20		C 1.03	386.06
				5.87
				391.93 X
				434
A+56	385.94		386.14	387.59
	5.99		5.79	4.35
	5.90		5.45	391.94 X
	C 0.09		C 0.34	
			391.93 X	
A+25	385.62		385.82	
	6.31		6.11	
	5.62		5.48	
	C 0.69		C 0.63	
			390.36 X	
3+94	385.31		385.51	
	5.05		4.85	
	5.36		4.91	
	C 0.31		F 0.06	
			390.36 X	
	Ch. 0.10		N. 0.10	
3+63	384.99		385.19	
	5.37		5.17	
	4.92		4.47	
	C 0.45		C 0.70	

2+65 - 15' Lt. = 3. Lat. #1 EL.= 379.01

11.35

6.43

C - 4.73

	West	East
6+00	387.38	387.48
	4.56	4.46
	4.15	
	X	
		D-4'
		391.94 X
5+80	387.20	387.40
	4.74	4.54
	4.92	3.99
	F 0.18	C 0.55
		391.93 X
5+49	386.88	387.08
	5.05	4.85
	4.87	4.32
	C 0.18	C 0.53

Pueb. Mon. Wildwood Sub.
Ely. From Redondo St.
N'ly. from Wildwood Road.

Sommermeyer
Begg
Allen
Sherman

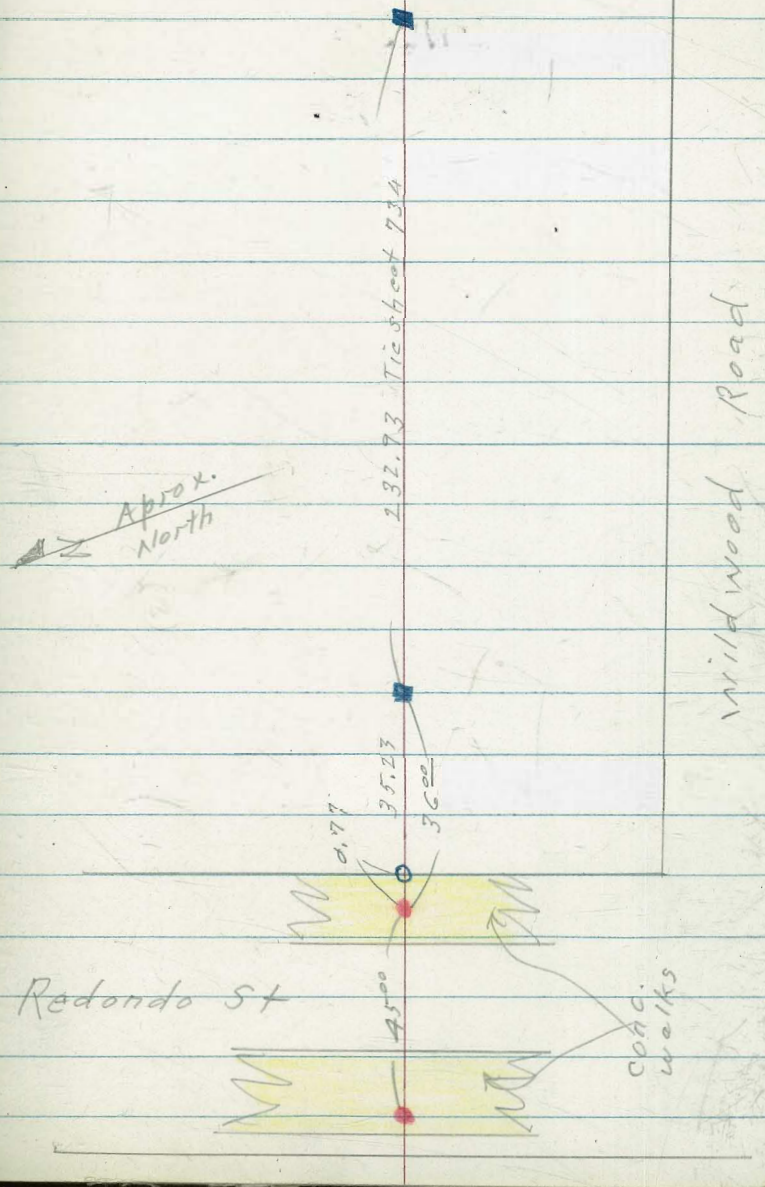
INDEXED
SEP 7 1950

5-23-50
W.O. 20006

■ = Fd City Mon.
○ = Fd. 2" pipe R.E. 469
● = Set disk in walk

Ref.
Tie sheet # 734

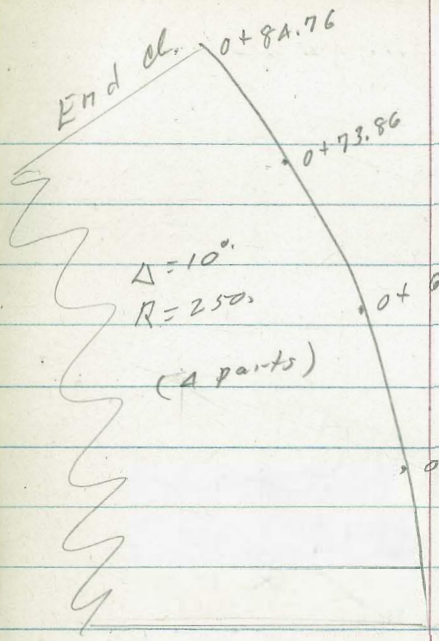
Plotted TPS-734
5-24-50- McQ



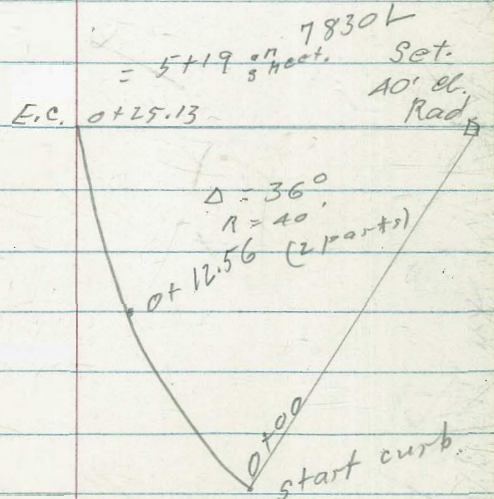
Ch. N.Ely. Midway + Frontier

Start. ch.		E. C.	B.C. Lt.
0+00	0+12.56	0+25.13	0+41.13
4.42	4.38	4.34	4.17
4.14	4.18	4.22	4.39
5.88	5.35	5.44	5.32
F 1.74	F 1.17	F 1.22	F 0.93

			End ch.
0+52.04	0+62.95	0+73.86	0+84.76
4.12	4.08	4.04	4.00
4.44	4.48	4.52	4.56
5.12	5.02	5.13	4.48
F 0.68	F 0.54	F 0.61	C 0.08



B.M. on Culvert
Head wall
2.90
5.66
8.56



Pave. N.E. Midway + W. Pt. Loma

Stations from 7829-L.

B.M.

2.90
7.28
10.18 ✗
4.06
6.12
4.15
10.27 ✗

5+19 3.84
6.34 ✓

Prop. E.C.
A+70[52] 4.37
5.81
6.46
F 0.65

A+33[26] = 4.78
5.40
5.62
F0.22

Pav. E.C.
3+95[63] 5.18
5.00
= 0+00 ↑ 5.36
To East F0.36

E.C. = 0+00
0+50 4.32
5.95
6.16
F0.21

1+00 4.09
6.18
6.45
F0.27

1+62 3.79
6.48
6.48
✓

10.27 ✗

0+50 6.02
4.25
4.28
F0.03

1+00 5.52
4.75
4.56
C0.19

1+50 5.02
5.25
5.16
C0.09

E.C. 1+97.13 4.55
5.72
5.95
F0.23

1+25 6.32
3.86
3.94
F0.08

P.R.C. 1+43.38 = 0+00 6.49
3.69
3.99
F0.30

0+10 6.42
3.76
4.06
F0.30

10.18 ✗

0+25 5.41
4.77

0+50 5.64
4.54
4.90
F0.36

0+75 5.87
4.31
4.59
F0.28

1+00 6.10
4.08
X

0+00 paving E.C. = 3+95[63] opposite page.

Sewer Laterals

Lowell St Rosecrans to Harbor Dr

Sheet 7AA2-L

Sommermeyer 6/9/50

B.M.: s/y ob. E.C. Scott & Lowell El.: 2.69 (7AA2-L)

2.69
4.71
7.40 ✗

4.91
2.49
3.96
6.45 ✗
3.76
2.69 orig B.M.

Lat #1	Lat #2	Lat #3
7.40 ✗	6.45 ✗	6.55
-2.45	-2.50	-2.55
9.85	8.95	9.00
5.10	4.30	4.69
C- 4.75	C- 4.65	4.31

Lat. #4	Lat. #5.	Lat. #6.
		6.45
-2.90	-2.90	-2.90
9.35	9.33	9.35
5.00	4.67	4.50
C-4.35	4.66	C- 4.85

Alley Blk 62 Ocean Beach

Paving Grades

Sommermeyer

Begg

Allen.

Sheet 7565-L

5-12-50

	South	℄	North	
				S.E.B.P. Cable & Niagara
1+20	D-2' 19.83		X-3' 19.63	19.94
	5.94		6.14	5.83
	5.56		5.72	25.77 ↗
	C-0.38 ✓		C-0.42 ✓	6.54
				19.23
				4.45
				23.68 ↗
1+00	D-2' 20.04		X-3' 19.84	
	5.73		5.93	
	5.38		5.69	
	C-0.35 ✓		C-0.24 ✓	
0+60	D-2 20.48		X-3' 20.28	
	5.29		5.49	
	4.60		4.96	
	C-0.69 ✓		C-0.53 ✓	
0+20	D-2' 20.93		D-2' 20.73	
	4.84		5.04	
	3.55		3.60	
	C-1.29 ✓		C-1.44 ✓	
cable Wly line 0+00	25.77 ↗ 20.97		25.77 ↗ 20.95	
	4.80 L			

	South	℄	North
	D-2'		D-2'
3+00	18.76		18.56
	4.92		5.12
	4.84		4.41
	C-0.08 ✓		C-0.71 ✓
	N-0.82		D-2'
2+60	18.97		18.77
	4.71		4.91
	3.35		4.79
	C-1.36 ✓		C-0.12 ✓
	N-0.08		D-1'
2+20	19.18		18.98
	4.50		4.70
	3.96		4.52
	C-0.54 ✓		C-0.18 ✓
	25.77 ↗		D-1' 25.77 ↗
	D-2'		19.19
1+80	19.39		6.58
	6.38		6.58
	6.11		X ✓
	C-0.27 ✓		
			D-2
1+60	19.51		19.31
	6.26		6.76
	6.08		6.25
	C-0.18 ✓		C-0.21 ✓
	D-2		D-2'
1+40	19.66		19.46
	6.11		6.31
	5.77		5.80
	C-0.34 ✓		C-0.51 ✓

Alley Blk. 62. O.B.

	South	℄	North	
5+20	X-2'			
	17.55		17.37	
	5.12		5.30	
	4.39		4.89	23.68 ✗
	C-0.73 ✓		C-0.41 ✓	5.20
				18.48
	D-2'		D-2'	4.19
5+00	17.71		17.51	22.67 ✗
	4.96		5.16	
	4.46		4.59	
	C-0.50 ✓		C-0.57 ✓	
	X-2'		D-1.5'	
4+60	17.92		17.72	
	4.75		4.95	
	4.35		4.89	
	C-0.40 ✓		C-0.06 ✓	
	D-2'		N.-1.17	
4+20	18.13		17.93	
	4.54		4.74	
	4.31		3.35	
	C-0.23 ✓		C-1.39 ✓	
	X-0.20		D-1.5'	
	22.67 ✗		22.67 ✗	
3+80	18.34		18.14	
	4.33		4.53	
	3.92		4.34	
	C-0.41 ✓		C-0.19 ✓	
	23.68 ✗		D-1'	
	D-0.25		23.68 ✗	
3+40	18.55		18.35	
	5.13		5.33	
	5.13		5.11	
	X ✓		C-0.22 ✓	

Sewer Laterals

#1	#2	#3
0+15-South	0+65-South	3+20-North
25.77 ✗	25.77 ✗	23.68 ✗
15.94	15.43	13.46
9.83	10.34	10.22
3.40	5.03	5.08
C 6.43 ✓	C-5.31 ✓	C-5.14 ✓

	South	℄	North
Ely Bacon.			
6+00	22.67 ✗		22.67 ✗
	16.08		15.93
	6.59		6.74
	ok. 0.5		
	D-2'		D-2'
5+80	16.55		16.39
	6.12		6.28
	4.19		4.59
	C-1.93 ✓		C-1.69 ✓
	D-2'		D-2'
5+60	16.98		16.80
	5.69		5.87
	3.96		4.70
	C 1.73		C 1.17 ✓
	N. 0.40		
	17.32		D-2'
5+40	5.35		17.13
	3.77 ✓		5.54
	C-1.58		4.82 ✓
			C-0.72

Evergreen St. 7/18/21
Lowell to Keats

Cbs & ~~rough~~ Sub. ℄
Dalsmith

Sommermeyer

FB 1853 / 32

sheet # 7776-L

⊼ 32.86
7.48
25.38 = S.E.B.P. Evergreen + Lowell
B.M. #2

→ 26.17
4.02
⊼ 30.19

From 1853/33 B.M. #1	S.E. Mon Lowell + Evergreen		EL.= 26.17						
	26.17 6.69 32.86 ⊼		Rough.	East Curb	East Gutter	℄.	West Gutter	West Cb.	Rough Gr.
1+25	T.P. 9.75 23.11 4.28 27.39		24.33 8.53 7.56 C 0.97	24.33 5.86 6.11 FO .25 24.75 5.44 5.71 FO .27		24.61 5.92		25.00 5.19 5.61 FO .42 25.50 4.69 5.12 FO .43	25.00 7.86 4.20 C- 3.46
1+00									
0+75			25.16 7.70 6.83 C- 0.87	25.16 5.03 5.32 FO .19		25.53 5.00		26.00 4.19 4.70 FO .51	26.00 6.86 3.32 C 3.54
0+50				25.58 4.61 5.07 FO .46				26.50 3.69 4.29 FO .60	
Cb. E.C. 0+25			26.00 6.86 5.52 C 1.34	26.00 4.19 4.68 FO .49		26.44 4.09		27.00 3.19 3.90 FO .71	27.00 5.86 2.50 C 3.36
0+12.5 8°53'15" 40' Rad 3' BK C= 12.36			26.10 6.76 5.90 C 0.86	26.10 4.09 4.48 FO .39				27.03 3.16 3.69 FO .53	27.03 5.83 2.50 C- 3.33
S.L. Lowell 0+00 Defl L= 17°46'30"	?		26.08 6.78 6.77 .01 ✓	26.08 4.11 4.10		26.55 3.64 3.98		27.08 3.11 ✓ 3.10	27.08 5.78

Evergreen

Lowell to Keats

	East		East			West	
	Rough Gr.	Curb	Gutter	℄	Gutter	Curb	Rough Gr.
N. Line Keats				23 26		24 46	
2+00 ∠-17°46'30"	22.87	22 87		6 93		5 73	24.46
	9.97	7 32				5 72	8 40
	9.97	7 29					8.38
	.02						C0.02
1+87.5 ∠-8°53'15"	23.20	23 20				24 10	
	9.66	6 99				6 09	24.10
	9.43	7 24				6 32	8.76
	C-0.23	FO 25				FO 23	5.25
							C-3.51
Ch. B.C.		23 50		23 69		24 00	
1+75	23.50	6 69		6 84		6 19	
	9.36	7 08				6 40	24.00
	8.55	FO 39				FO 21	8.86
	C-0.81						4.86
		23 92				24 50	C4.00
1+50		6 27				5 69	
		6 52				6 10	
		FO 25				FO 41	

Evergreen

Keats to Jarvis.

T = 30 12

East.

		Rough Gr.	Curb
1+25		X-4' 22.00 5.39 7.97 F 2.58	22.00 8.19 8.62 FO 43
1+00			22.20 7.99 8.23 FO 24
0+75		□-7' 22.40 4.99 7.93 F 2.94	22.40 7.79 8.19 FO 40
0+50			22.60 7.59 8.07 FO 48
Ch. E.C. 0+25		□-2' 22.80 4.59 6.87 F 2.28	22.80 7.39 7.82 FO 43
0+12.5	L=8°53'15"	22.73 4.66 6.87 F 2.21	22.73 7.46 7.71 FO 25
	T from P. 65		
S.L. Keats 0+00	L=17°46'30"	27.39 22.66 4.73 4.72 .01 C	22.66 7.53 7.57

East ← West →

East Gutter	℄	Gutter	Curb	Rough Gr.
	22.29 8.24		22.20 7.49 7.96 FO 47	22.70 4.69 2.50 C- 2.19
			22.85 7.34 7.76 FO 41	
	22.64 7.89		23.00 7.19 7.58 FO 39	23.00 4.39 1.54 C- 2.85
			23.15 7.04 7.50 FO 46	
	22.98 7.54		23.30 6.89 7.30 FO 41	23.30 4.09 1.79 C- 2.30
			23.50 6.69 7.03 FO 34	23.50 3.89 1.56 C- 2.33
	23.03 7.16		23.82 6.37 6.33	27.39* 23.82 3.57 3.55 .02

INDEXED

SEP 7 1950

Evergreen

Keats to Jarvis

← East

	Rough Gr.	Curb
N.L. Jarvis 2+00 Δ=17°46'30"	21.73	21 23
	6.16	8 96
	6.14	8 93
	.02	
1+87.5 Δ=8°53'15"	a-4	
	21.45	21 45
	5.94	8 74
	7.41	9 06
	F 1.47	FO 32
Cl. B.C. 1+75	27.39 ℄	21 60
	21.60	8 59
	5.79	8 96
	7.75	FO 37
	F 1.96	
1+50		21 80
		8 37
		8 67
		FO 30

West →

Gutter	℄	Gutter	Curb	Rough Gr.
	21 70			
	8 49		22 53	22.53
			7 66	4.86
			7 63	8.84
				.02
			22 44	
			7 95	22.44
			7 98	4.95
			FO 23	2.13
				C-2.82
	21.94			
	8 59		22 40	
			7 79	27.39 ℄
			8 03	22.40
			FO 24	4.99
				2.20
			22 53	C-2.79
			7 64	
			8 07	
			FO 43	

Stake Meter Boxes

Upshur St 7/20/50

Sommermeyer
Begg
Acuna

W.O.

Stakes set 3' back of curb face & 2' Each side ℄ Box,

	Lt.	℄	Rt.
1+73 Rt			14.48 7.49 6.86 C-0.63
1+32 Rt			15.56 6.41 6.03 C-0.38
1+02 Lt.	16.85 5.12 5.60 F0.48		
0+72 Rt.			17.14 4.83 4.20 C-0.63

0+00 = Ely line Rosecrans

21.97π
cl. 18.35
3.62
3.63
-0.01 ℄

Sw. 7' Lt. Rosecrans & Upshur.

19.55
2.42
21.97π

	Lt.	Rt.
3 too Sly. line South		
2+69 Rt.		11.96 10.01 8.52 C-1.49
2+52 Lt	12.90 9.07 8.25 C 0.82	
2+32 Rt		12.93 9.04 7.94 C-1.10

Stak Water Meter Boxes
Evergreen
Fenelon to Carlton

7-21-50

Sommermeyer
Begg
Acuna

W.O. 60020

B.M. = Sly. 7' Disk Emerson & Evergreen
El. = 18.50
5.35
23.85 ⊼
3.47
20.38
6.13
26.51 ⊼

1+56 Rt
21.45
2.40
0.81
C-1.59

1+20 Rt
23.85 ⊼
22.30
1.55
0.25
C 1.30

0+00 = Sly line Fenelon

0+40 Rt
26.51 ⊼
21.12
5.39
3.86
C-1.73

0+00 = Sly. line Dickens

W. End Ob. Ret.
N.W. Cor. Evergreen
+ Dickens
26.51 ⊼
23.50
3.01
2.28
C-0.73

1+03 Rt
23.85 ⊼
19.74
4.11
2.42
C-1.69

0+57 Rt
19.46
4.39
2.75
C-1.64

0

0+00 = Sly line Emerson

Auburn Dr. at Ontario
Stake Culvert

W.O. 20008
7-25-50

Sommermeyer
Begg
Allen
Acuña

Ref.
F.B. 2077 / 10
sheet 3993-B

stakes set 10' North of ℄
Staked 40' of twin barrel 48" pipe
20' each side of ℄ Auburn Dr.

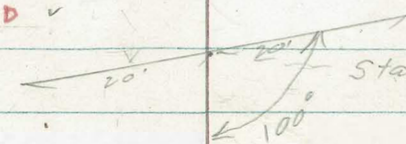
B.M. = Top of cb. 14± Lt. Sta 10+16± FB 2077 / 19

251.42 = B.M.
5.18
256.60 ⊼

⊼ 256.60

247.77	247.87	247.97
8.83	8.73	8.63
5.75	7.49	7.04
C 3.08 D ✓	C 1.24 D ✓	D C 1.59 ✓

E



Sta: 9+96

Alley Blk. 8 / Blk 22 La Jolla Park

7-26-50

Stake for Const. W.O. 62182

Sommermeyer
Begg
Allen
Bunch

FB 1853-37
Sheet 80A1-L

Station		Left = West	℄	Right = East	
5+70		91.26 7.06 6.92 C 0.14	✓	91.56 6.76 6.70 C-0.06	S.E.B.P. Pearl & Girard 115.17 0.04 115.21 11.75 103.46 2.46 105.92 10.40 95.52 2.80 98.32 TP
5+50 ✓		91.71 6.61 6.58 C 0.03	(91.80)	92.01 6.31 6.07 C 0.24 [struck] (C 0.45) Tack -2'	
5+00	(92.75)	92.96 5.36 5.70 F 0.34 [struck] (F 0.13)	(93.00)	93.26 5.06 5.30 F 0.24 [struck] (C 0.02) x-1'	
4+50	(93.60)	94.21 4.11 4.80 F 0.69 [struck] (F 0.08)	(93.70)	94.51 3.81 5.10 F 1.29 [struck] .81 (F 0.48) N. 0.5 in	
4+00	(94.80)	95.47 2.85 2.80 C-0.05 67 C 0.72	(95.00)	95.77 2.55 0.64 C-1.91 77 (C 2.68)	

4+56⁵ 8⁸ Rt
Check grate 1856 / 41
92.98
5.34
5.35
.01 ✓

5' Lt. + 5' Rt.

6+23²⁴ = ℄
Catch Basin

Cut from □-5' Lt.
86.30 = I.E.
12.02
6.70
C-5.32

Changed by E.G. + C.S.
(0.00) = changed grades + cuts to fit Imp.
Use Circled figures
Note.

Station	Left = West	℄	Right = East
6+28.08 Lt.	90.56 7.76 6.67 C-1.09		
6+23.35 Rt.			90.89 7.43 5.80 C-1.63
6+10	90.68 7.64 6.85 C-0.79		90.98 7.34 6.28 C 1.06
5+90	90.92 7.40 7.21 C 0.19		91.22 7.10 6.27 C 0.83

Stake
TYRIAN St.

7-31-50
W.O. 31347

Sommermeyer
Begg
Allen
Bunch

Sheet # 7711-L
7712L
FB- 1826-P58

1+00 = Back (North) side of wall
0+99.5 Retaining wall

		West Curb	West Gutter	℄	East Gutter	East Curb	
	Prop.	72.73					Prop
	69.45	69.40		69.60		69.80	69.85
		3.33				2.93	
		4.83				4.29	
		F 1.50				F 1.36	
	Rough						Rough Grade
0+99.33	+4' South	72.73				72.73	□-2'
+00 = End Pave	□-5' West	69.40	68.90	69.10	69.30	69.80	69.80
	4.03	3.33				2.93	3.63
	5.88	4.83				4.29	4.77
	F 1.85 ✓	F 1.50				F 1.36	F 1.14 ✓
0+96	SW 7'L+T Marine + La Jolla FB 1826-P59	□-5'	72.73			72.73	□-5'
	68.88	69.39	69.39	68.89	69.29	69.29	69.79
	4.55	4.04	3.34			2.94	3.64
	73.43 ✗	5.88	4.77			4.24	4.62
		F 1.84 ✓	F 1.43			F 1.30	F 0.98 ✓
0+48	BM	□-2'	72.73			72.73	□-1'
	68.88	69.24	69.24	68.74	69.14	69.14	69.64
	3.85	4.19	3.49			3.09	3.79
	72.73	4.95 ✓	4.24			2.98	3.24
		F 0.76	F 0.75			C 0.11	C 0.55 ✓
		□-1'					℄ ↗
		73.43 ✗	72.73				73.43
0+00 Mly. Marine		69.10	69.10	68.60	69.00	69.00	69.50	69.50
		4.33	3.63					3.93
		4.68	3.99					3.91
		F 0.35 ✓	F 0.36					.02 ✗
			72.73			72.73	
0-05 = ℄ E.C. Marine			69.05	68.53	68.90	68.99	69.41	
			3.05				3.32	
			3.01					

Alley. Blk 2 La Jolla Park

8-1-50

Sommermeyer
Begg
Allen
Bunch

Sheet 7712-L
W.O. 31347

0.40 dip to ℄

B.M. shown on plans is gone.
Used pavement for Elev. See Page 78

	Lt. East	℄	Rt. West
0+80	66.74 ℄ 59.66 7.08 6.03 C-1.05	59.11	65.10 ℄ 59.36 5.74 5.37 C-0.37
0+60	65.10 ℄ 59.17 5.93 4.81 C1.12	58.62	58.87 6.23 5.43 C0.80
0+40	65.10 ℄ 58.59 6.51 4.96 C-1.55	58.04	65.10 ℄ 58.29 6.81 6.02 C0.79
0+20	C1.63 ℄ 57.93 3.70 0.51 C-3.19	57.38	61.63 ℄ 57.63 4.00 3.38 C.9.62
Sotline Pearl 0+00	C1.63 ℄ 57.35 4.28 4.36 +0.08	C1.63 56.77 4.86 4.86 X	C1.63 ℄ 57.00 4.63 4.62 -0.01

	Lt.= East	℄	Rt.= West	Pave. at ⊙ on ℄
2+80	X-2 66.74 ℄ 63.35 3.39 3.11 C-0.28	62.80	X-0.25' 66.74 ℄ 63.05 3.69 3.52 C0.17	56.77 4.86 61.63 ℄ 3.38 58.25 6.85 65.10 ℄ 3.76 61.34 5.40 66.74 ℄ 3.47 63.27 6.93 70.20 ℄
2+60	X-2' 62.90 3.84 3.52 C-0.32	62.35	N-0.20 62.60 4.14 2.83 C-1.31	
2+20	□-3' 62.19 4.55 4.61 F0.06		N.-0.18 61.89 4.85 3.79 C-1.06	
1+80	66.74 ℄ 66.74 ℄ 61.48 5.26 5.01 C0.25		65.10 ℄ N-0.22 61.18 3.92 2.17 C-1.75	
1+40	60.77 4.33 3.83 C0.50		X-0.1 60.47 4.63 4.50 C0.13	N.0.25 60.47 4.63 3.46 C1.17
1+00	C5.10 ℄ 60.06 5.04 4.41 C-0.63	59.51	63.10 ℄ 59.76 5.34 5.65 F0.31	

Alley Blk. 2 - La Jolla Park

	Lt = East	℄	Rt = West, N-Line
4+00	D-1'		
	65.94	65.79	65.64
	4.26		4.56
	3.86		4.44
	C-0.40		C 0.12
3+90	D-2'		X-2
	65.50	65.30	65.20
	4.70		5.00
	4.22		5.25
	C-0.48		F 0.25
3+80	N-0.26		X-2
	65.23	64.68	64.93
	4.97		5.27
	3.08		5.25
	C-1.89		C 0.02
3+60	X-2		X-2
	64.99	64.44	64.69
	5.21		5.51
	4.92		5.55
	C-0.29		F 0.04
3+40	X-2'		X-2
	64.65	64.10	64.35
	5.55		5.85
	5.54		5.68
	C 0.01		C-0.17
3+20	X-2'		D-4'
	64.22	63.67	63.92
	5.98		6.28
	5.74		6.30
	C 0.24		F 0.02
3+00	X-2'		70.20
	70.20		63.43
	63.73	63.18	6.77
	6.47		7.23
	6.17		F 0.46
	C 0.30		

0+10 Rt Lat #1	0+60 Rt Lat #2	1+10 Rt. Lat #3
52.09	53.09	54.09

Alley Blk. 3. La Jolla Park

8-2-50

W.O.#31347

Sheet 7711 L.

Sommermeyer
Begg
Allan
Bunch

0.50 dip to ℄

stubs 2' back unless noted.

	Lt = East	℄	Rt. = West
	D-1'		
0+80	74.04		73.74
	4.86		5.16
	3.95		4.12
	C-0.91	Rake	C 1.04
	N-0.04		
0+40	73.35	72.90	73.05
	5.55		5.85
	3.44		5.77
	C 2.11		C-0.08
	N-2'		
0+20	73.00	72.55	72.70
	5.90		6.20
	5.13		5.98
	C-0.77		C-0.22
3. line Pearl	78.90 ℔		78.90 ℔
0+00	72.93	72.44	72.38
	5.97		6.52
			6.53
			0.01

	81.73 ℔ Lt = East	℄	81.73 ℔ Rt. = West	
	N-.91		N. 0.06	SE. B.P. Pearl + Cuvier
3+00	77.86	72.41	77.56	
	3.87		4.17	81.06
	2.38		2.58	1.97
	C 1.49		C 1.59	83.03
	N-.91		D-1'	9.66
2+80	77.51	77.06	77.21	73.37
	4.22		4.52	5.53
	2.65		4.35	78.90 ℔
	C 1.57		C-0.17	3.17
				75.73
				6.00
				81.73 ℔
2+40	76.81		76.51	3.29
	4.92		5.22	78.44
	4.22		5.29	5.64
	C-0.70		F 0.07	84.08 ℔
	X-2		N-.25	
2+00	76.12		75.82	
	5.61		5.91	
	4.90		4.96	
	C 0.71		C-0.95	
	81.73 ℔		81.73 ℔	
1+60	75.42	℄	75.12	
	6.31	0	6.61	
	5.42	℄	6.19	
	C-0.89		C 0.42	
	78.90 ℔			
	D-1'		78.90 ℔	
1+20	74.73		74.43	
	4.17		4.47	
	3.48		4.25	
	C-0.69		C 0.22	

Alley Blk. 3. La Jolla Park

	Lt. = East	℄	Rt. = west
	N. 1.08'		
3+99.98	80.00	79.55	79.70
	4.08		4.38
	2.59		4.28
	C-1.49		C-0.10
			N-2.66
3+80	79.55	79.10	79.25
	4.53		4.88
	4.01		2.35
	C-0.52		C-2.48
3+60	79.10	78.65	78.80
	4.98		5.28
	4.24		4.95
	C 0.74		C-0.33
3+40	78.66	78.21	78.36
	5.42		5.72
	4.57		4.96
	C-0.85		C-0.76
	N-.68		
	84.08 X		84.08 X
3+20	78.25	77.80	77.95
	5.83		C.13
	4.71		6.00
	C-1.12		C0.13

8/7/50

Bench check for alleys Blk 2 + Blk 3 La Jolla Park.

Used end of Pave. for Elev. to set alley grades on P. 73

			4.62	57.28	57.00 plan grade	= Pave. 10' Rt 0+00 — 0.28 High
			4.86	57.04	56.77	= Pave. ℄ 0+00 — 0.29 High
			4.36	57.54	57.35	= Pave. 10' Lt. 0+00 P. 74 P. 73 — 0.19 High
T.P.	5.05	61.90	1.0.82	56.85		~~This Point Fits Alley Pave Best.~~
			3.46	64.23	BM #3	Top ob. 0.01 west of W. End. ob. Ref. — No B.P here
			3.61	64.06		W. End S.W. ob. Ref. — Take your pick of three
			3.18	64.49		S. End. S.W. ob. Ref. — points ?
T.P.	0.49	67.67	9.50	67.18		
T.P.	5.88	76.68	4.24	70.80		
			6.17	68.87 (68.88)	B.M #2	S.W. 7' Lt. Marine + La Jolla Blvd
T.P.	4.51	75.04	5.38	70.53		
	5.73	75.91	—	70.18	B.M #1	N.E. B.P. Center + La Jolla Blvd.

Sewer-La Jolla Shores Dr.
North of Camino Del Oro.

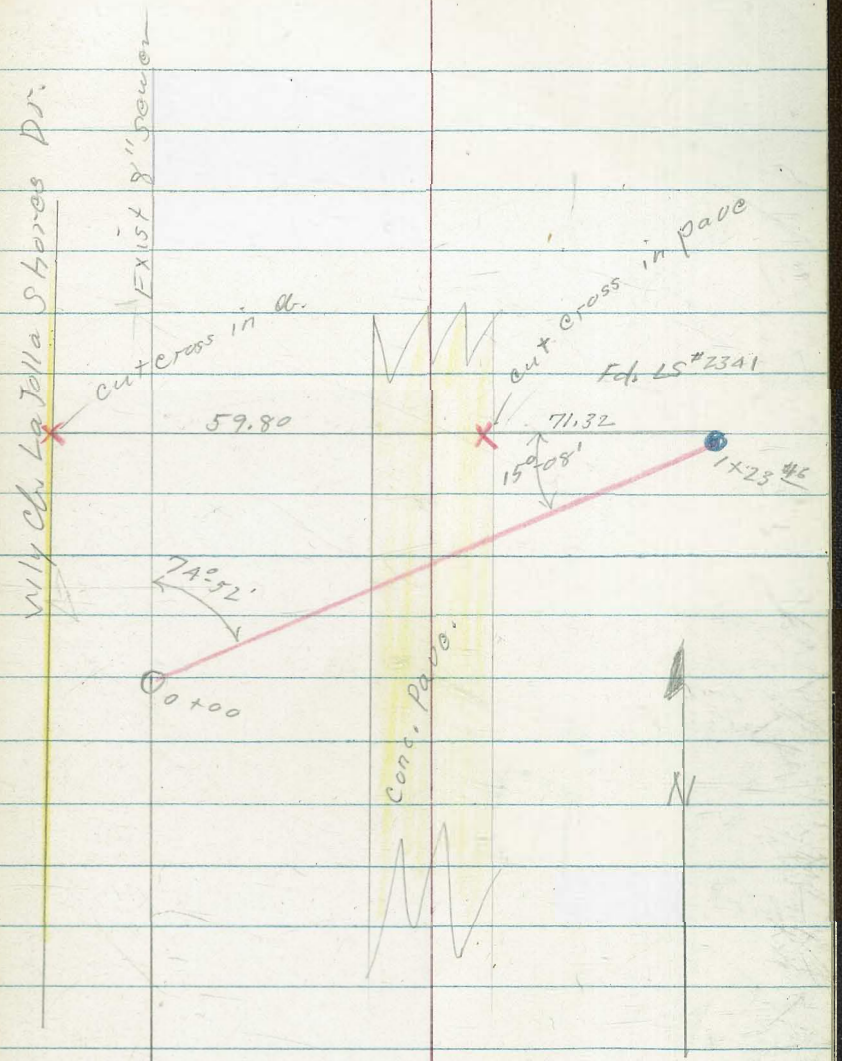
5/31/50

"B" sheet #3989

0+00	0+25	0+50	0+75
35.60 X			
22.20	22.45	22.70	22.95
13.40	13.15	12.90	12.65
5.83	4.66	4.51	3.67
C-7.57	C-8.49	C-8.39	C-8.98

1+00	1+23 4" stub end
23.20	23.43
12.40	12.17
1.93	0.66
C-10.47	C-11.51

B.M. = I.E. Exist MH
= 21.94
13.66
35.60 X



Rosecrans

Sewer Extention North of Rogers

Sommermeyer
Bogg
Allen
Sherman

5/31/50

Sheet # 5590-L

0+00 = M.H. # 4 - (5590-L)

N.E.B.P. Perry & Rosecrans

64.15
2.18
66.33
12.86
53.47
1.26
54.73
12.73
42.00
0.13
42.13
10.04
32.09
5.17
37.26 ℄

0+00 = Δ 22°-47' Rt.
37.26 ℄
9.36
27.90 El. Exist M.H.

1+00 — tep. Pave. — 0+27 — 0+00
33.15 — 31.57 — 31.93

1+00
30.20
7.06
4.06
C 3.00

0+50
29.70
7.56
5.15
C- 2.41

0+00 =
29.20
8.06
5.34
C- 2.72

M.H. # 4 — M.H. # 2
Exist M.H.s (5590-L)

Exist M.H. # 5

Sewer Ext. Rosecrans No. of Rogers 80

" "La Jolla Shores Dr. {North of Camino Del Oro. 79

Sewer Lat. Lowell St. - 62
(cable to Bacon - So. of Niagara)

Alley Blk 62 Ocean Beach 63+64

Evergreen (Pave, etc.) Lowell to Keats 65-68

" Fenelon to Carlton
stake Water meters 70

stake Water meters
Upshur Rosecrans to Scott 69

Auburn to Ontario - stake Culvert 71

stake
Alley Blk 8+ Blk 22 La Jolla Park 72

stake Tyrian St. 73

" Alley Blk 2 La Jolla Park 74-75

" " Blk 3 " " " 76-77

Sewer La Jolla Shores 79-
Drive N. of Camino Del Rio

Rosecrans Sewer extension 80
N. of Rogers

1.58
7.84
9.42

4.76
4.60
9.36

5.78
15.33
21.11

16.27
4.84
21.11

7.48
8.4
66.4

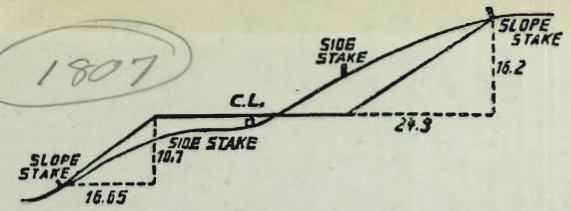
2.85
2
5.70

2.85
3
8.55
5.965
18.20

2.85
2½
1.42
5.70
7.12

2.85
5.70

1807



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ 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	71.20	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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