

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	.79	.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	.443
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	.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

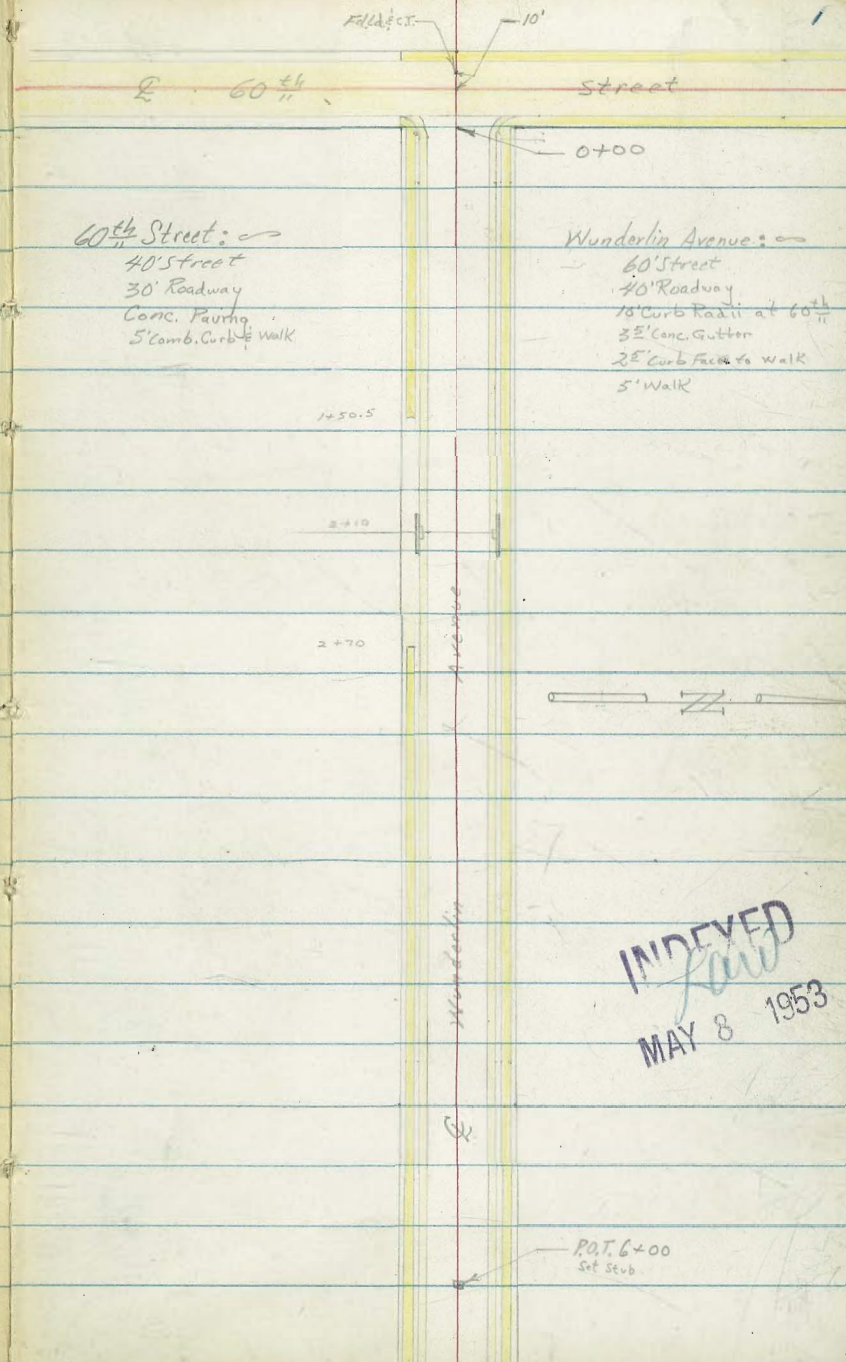
Wunderlin-X-sec. 60-63d 1
 X-sec Taft-Colima to Midway 14
 X-sec Bellevue-Colima to Midway 21
 X-sec Alley BIK 241-Pacific Beach 30

Roberts
Cota
Moore
Navalez
5-1-53
W.D. # 21649

X-SECTION Wunderlin Ave.

60th to 63rd
Elevations Heights

Map 1063 T.P. 12 pg. 35



INDEXED
MAY 8 1953

Cont'd From Page 1

2

POT. 9+50
Set Stub

11+20

Avenue

W. Underpass

14+81

14+29.5

14+75

15+30

63rd Street:

60' Street
40' Roadway
20' Curb Radial
AC Paving
No Walks

16+20.24

Ed. Stub
Rad. Pt.

63rd Street

Street

Ed. Stub
Rad. Pt.

2450

261.62	260.92	260.62	261.10	261.60	261.20	259.66	257.31	259.96	259.90	253.50
6.28	6.28	6.68	5.7	5.7	6.1	7.64	7.99	7.91	7.1	13.8
20	20	16.5	8	8	16.5	20	20	20	38	41
CB.	G.	LIP			LIP	G.	G.	CB.		

2410 & 10" WIDE CB INLETS

260.96	257.86	260.14	260.7	261.2	261.2	261.6	259.79	258.81	257.57
6.34	9.04	7.11	6.30	6.1	6.1	6.7	7.97	8.49	13.73
20	20	20	16.5	8	8	16.5	20	20	20
CB.	INVERT	G.	LIP			LIP	G.	G.	INVERT

251.24
256.1
259.2
259.65

15.96
12
12
INVERT
18" RCP
(OUTLET)
39
30
20
20
20
20

1475

261.20	260.27	260.80	261.60	261.60	261.10	259.79	259.85	256.50	257.44
6.10	6.89	6.50	5.7	5.7	6.2	7.51	7.85	10.8	7.8
20	20	16.5	8	8	8	16.5	20	20	29
CB.	G.	LIP			LIP	G.	G.	CB.	

260.10
259.90

1450⁵ END WALK ON RT.

262.10	261.28	261.50	262.30	262.40	261.80	260.66	260.89	261.07
5.20	6.02	5.80	5.0	4.9	5.5	6.64	6.81	6.21
20	20	16.5	8	8	8	16.5	20	20
CB.	G.	LIP			LIP	G.	G.	CB.

SIDE WALK SIDE WALK

1420

265.05	264.2	264.49	265.1	263.76	262.54	264.15
2.25	3.10	2.81	2.4	3.54	3.76	3.15
20	20	16.5		16.5	20	20
CB.	G.	LIP		LIP	G.	CB.

267.30 A

267.30 A

TP 1294 292.55 A 0.15 279.61

1+50

277.78	276.94	277.14	277.26	277.16	276.86	276.09	275.92	276.57
198	282	262	25	26	29	367	381	319
20	20	16.5	8		8	16.5	20	20
CB.	G	LIP				LIP	G	CB.

1+00

271.61	270.81	271.06	271.16	271.06	270.76	270.23	269.94	270.59
8.15	8.25	8.70	8.6	8.7	9.0	9.53	9.82	9.17
20	20	16.5	8		8	16.5	20	20
CB.	G	LIP				LIP	G	CB.

279.76 A

TP 12.59 279.76 A 0.13 267.17

3+50

266.33	265.57	265.83	266.4	266.20	265.90	264.83	264.55	265.13
497	177	147	8.9	1.0	1.4	2.17	2.75	2.17
20	20	16.5	8		8	16.5	20	20
CB.	G	LIP				LIP	G	CB.

3+00

262.79	261.94	262.25	263.20	263.20	262.60	261.27	260.94	261.50
4.57	5.31	5.05	4.1	4.1	4.7	6.03	6.36	5.80
20	20	16.5	8		8	16.5	20	20
CB.	G	LIP				LIP	G	CB.

2+70 BEGIN SIDE WALK ON RT.

DRIVE WAY

260.63	260.94	262.10	262.10	261.50	260.07	259.74	260.59	260.36	259.70
6.41	6.36	5.2	5.2	5.8	7.23	7.56	6.91	6.34	6.72
20	16.5	8		8	16.5	20	20	22.5	21.5
G	LIP			LIP	G	CB.	CB.	COR.	

SIDE WALK

267.30 A

267.30 A

6+50

<u>292.73</u>	<u>291.89</u>	<u>292.17</u>	<u>292.58</u>	<u>292.48</u>	<u>292.18</u>	<u>291.40</u>	<u>291.11</u>	<u>291.77</u>
2.05	2.89	2.61	2.2	2.3	2.6	3.38	3.7	3.01
20 Cb	20 G	16.5 L	8		8	16.5 L	20 G	20 Cb

6+00

<u>290.14</u>	<u>289.34</u>	<u>289.61</u>	<u>290.08</u>	<u>290.08</u>	<u>289.68</u>	<u>288.73</u>	<u>288.49</u>	<u>289.02</u>
4.64	5.44	5.17	4.7	4.7	5.1	6.05	6.29	5.67
20 Cb	20 G	16.5 L	8		8	16.5 L	20 G	20 Cb

5+50

<u>287.47</u>	<u>286.66</u>	<u>286.90</u>	<u>287.18</u>	<u>287.08</u>	<u>286.78</u>	<u>286.13</u>	<u>285.90</u>	<u>286.55</u>
7.31	8.12	7.88	7.6	7.7	8.0	8.65	8.88	8.23
20 Cb	20 G	16.5 L	8		8	16.5 L	20 G	20 Cb

5+25

<u>285.90</u>	<u>285.08</u>	<u>285.31</u>	<u>285.38</u>	<u>285.18</u>	<u>284.98</u>	<u>284.55</u>	<u>284.26</u>	<u>284.92</u>
8.88	9.70	9.47	9.4	9.6	9.8	10.23	10.52	9.86
20 Cb	20 G	16.5 L	8		8	16.5 L	20 G	20 Cb

T.P.

3.72

294.78 ∇

1.49

291.06 NAIL IN POLE
P.75203

294.78 ∇

5+00

<u>283.59</u>	<u>282.74</u>	<u>283.01</u>	<u>283.05</u>	<u>282.85</u>	<u>282.65</u>	<u>282.00</u>	<u>281.77</u>	<u>282.41</u>
8.96	9.81	9.54	9.5	9.7	9.9	10.55	10.78	10.14
20 Cb	20 G	16.5 LIP	8		8	16.5 LIP	20 G	20 Cb

4+75

<u>280.76</u>	<u>279.97</u>	<u>280.2</u>	<u>280.05</u>	<u>280.15</u>	<u>279.75</u>	<u>279.02</u>	<u>278.81</u>	
11.79	12.58	12.35	12.5	12.4	12.8	13.53	13.74	DRIVE WAY
20 LIP	20 G	16.5 LIP	8		8	16.5 LIP	20 G	

292.55 ∇

292.55 ∇

8+50

<u>300.12</u>	<u>299.35</u>	<u>299.62</u>	<u>300.14</u>	<u>300.14</u>	<u>299.64</u>	<u>298.81</u>	<u>298.47</u>	<u>299.15</u>
3.92	4.69	4.42	3.9	3.9	4.4	5.23	5.57	4.89
20	20	16.5	8		8	16.5	20	20
cb	G	L				L	G	cb

{ 8+18^E to 8+21^E buldge built in curb on left.
Tree is still in.

8+00

<u>298.71</u>	<u>297.92</u>	<u>298.22</u>	<u>298.74</u>	<u>298.74</u>	<u>298.34</u>	<u>297.32</u>	<u>297.09</u>	<u>297.73</u>
5.33	6.12	5.92	5.3	5.3	5.7	6.72	6.95	6.31
20	20	16.5	8		8	16.5	20	20
cb	G	L				L	G	cb

{ 7+82^S to 7+85^S buldge built in curb on left -
TREE NOW GONE!

{ 7+50^S to 7+54 buldge built in curb on left to
save a tree. Tree now gone!

7+50

<u>297.34</u>	<u>296.60</u>	<u>296.83</u>	<u>297.14</u>	<u>297.14</u>	<u>296.84</u>	<u>295.96</u>	<u>295.71</u>	<u>296.32</u>
6.76	7.44	7.21	6.9	6.9	7.2	8.08	8.33	7.72
20	20	16.5	8		8	16.5	20	20
cb	G	L				L	G	cb

7+17

<u>296.26</u>	<u>295.82</u>	<u>295.71</u>	<u>295.94</u>	<u>295.84</u>	<u>295.54</u>	<u>294.86</u>	<u>294.67</u>	<u>295.34</u>
7.78	8.62	8.33	8.1	8.2	8.5	9.18	9.37	8.70
20	20	16.5	8		8	16.5	20	20
cb	G	L				L	G	cb

7+00

<u>294.60</u>	<u>294.86</u>	<u>295.14</u>	<u>295.04</u>	<u>294.64</u>	<u>294.00</u>	<u>293.92</u>	<u>294.47</u>
9.44	9.18	8.9	9.0	9.4	10.04	10.22	9.57
20	20	16.5	8		8	16.5	20
cb	G	L			L	G	cb

T.P.

7.34 304.04 X 0.08 294.70

304.04 X

294.78 X

294.78 X

Contd From Page 7

T.P. 0.72 291.79 $\bar{\Delta}$ 12.97 291.07

10+50

$\frac{293.69}{10.35}$	$\frac{292.86}{11.18}$	$\frac{293.14}{10.80}$	$\frac{293.64}{10.4}$	$\frac{293.54}{10.5}$	$\frac{293.24}{10.8}$	$\frac{292.14}{11.90}$	$\frac{292.80}{11.24}$
20 Cb	20 G	16 $\bar{\Delta}$ L	8		8	16 $\bar{\Delta}$ L	20 G Cb

10+00

$\frac{298.23}{5.81}$	$\frac{297.42}{6.62}$	$\frac{297.73}{6.31}$	$\frac{298.14}{5.9}$	$\frac{298.04}{6.0}$	$\frac{297.74}{6.3}$	$\frac{296.89}{7.15}$	$\frac{296.67}{7.37}$	$\frac{297.4}{6.64}$
20 Cb	20 G	16 $\bar{\Delta}$ L	8		8	16 $\bar{\Delta}$ L	20 G	20 Cb

9+75

$\frac{299.85}{4.19}$	$\frac{299.05}{4.99}$	$\frac{299.36}{4.68}$	$\frac{299.84}{4.2}$	$\frac{299.84}{4.2}$	$\frac{299.54}{4.5}$	$\frac{298.72}{5.32}$	$\frac{298.98}{5.56}$	$\frac{299.16}{4.88}$
20 Cb	20 G	16 $\bar{\Delta}$ L	8		8	16 $\bar{\Delta}$ L	20 G	20 Cb

9+50

$\frac{301.19}{2.85}$	$\frac{300.39}{3.65}$	$\frac{300.65}{3.39}$	$\frac{300.94}{3.1}$	$\frac{300.94}{3.1}$	$\frac{300.54}{3.5}$	$\frac{299.72}{4.32}$	$\frac{299.51}{4.53}$	$\frac{300.16}{4.11}$
20 Cb	20 G	16 $\bar{\Delta}$ L	8		8	16 $\bar{\Delta}$ L	20 G	20 Cb

9+25

$\frac{301.65}{2.39}$	$\frac{300.80}{3.24}$	$\frac{301.00}{3.04}$	$\frac{301.34}{2.7}$	$\frac{301.34}{2.7}$	$\frac{301.04}{3.0}$	$\frac{300.08}{3.96}$	$\frac{299.88}{4.16}$	$\frac{300.53}{3.51}$
20 Cb	20 G	16 $\bar{\Delta}$ L	8		8	16 $\bar{\Delta}$ L	20 G	20 Cb

9+00

$\frac{301.42}{2.62}$	$\frac{300.58}{3.46}$	$\frac{300.82}{3.22}$	$\frac{301.24}{2.8}$	$\frac{301.24}{2.8}$	$\frac{300.94}{3.1}$	$\frac{300.10}{3.94}$	$\frac{299.83}{4.21}$	$\frac{300.47}{3.57}$
20 Cb	20 G	16 $\bar{\Delta}$ L	8		8	16 $\bar{\Delta}$ L	20 G	20 Cb

304.04 $\bar{\Delta}$

304.04 $\bar{\Delta}$

Lt

C

Rt

8

12+97 28³ ft to center 12" Pepper Tree

T.P. 3.79 285.50 A 10.0 Y 281.71

285.50 A

12+50

281.38	280.59	280.97	281.79	281.69	281.19	279.93	279.54	280.16	279.99	285.99
10.41	11.20	10.82	10.0	10.1	10.6	11.86	12.25	11.63	11.8	15.8
20	20	16 ⁵	8	8	8	16 ⁵	20	20	30	40
cb	G	L				L	G	cb		

12+00

28³ ft to center 21" Pepper Tree

282.26	281.47	281.82	282.69	282.79	282.29	280.73	280.34	280.99	281.49	281.29
9.53	10.32	9.97	9.1	9.0	9.5	11.06	11.45	10.80	10.3	10.5
20	20	16 ⁵	8	8	8	16 ⁵	20	20	30	40
cb	G	L				L	G	cb		

11+50

284.67	284.15	284.33	285.09	285.09	284.59	283.69	283.19	283.86	283.59	281.89
7.12	7.84	7.46	6.7	6.7	7.2	8.30	8.60	7.73	8.2	9.7
20	20	16 ⁵	8	8	8	16 ⁵	20	20	30	40
cb	G	L				L	G	cb		

11+20

Walk ends on right.

287.08	286.36	286.72	287.19	287.29	286.89	285.93	285.63	286.23	286.37	286.89
4.71	5.43	5.07	4.6	4.5	4.9	5.86	6.16	5.56	5.42	5.21
20	20	16 ⁵	8	8	8	16 ⁵	20	20	22 ⁵	27 ⁵
cb	G	L				L	G	cb		Walk

11+00

289.0	288.22	288.54	288.99	288.99	288.59	287.85	287.64	288.30
2.79	3.57	3.25	2.8	2.8	3.2	3.94	4.15	3.49
20	20	16 ⁵	8	8	8	16 ⁵	20	20
cb	G	L				L	G	cb

291.79 A

291.79 A

Cont'd From Page 7

14+29^E Lt \varnothing 10' C6 Inlet

14+13 21° R to center 12" Pepper Tree

14+02 22⁸' R to center 16" Pepper Tree

14+00

13+67 31²' R to center 8" Pepper Tree

13+50

13+45 29³' R to center 16" Pepper Tree

13+35 29²' R to center 12" Pepper Tree

13+32 29⁴' R to center 14" Pepper Tree

13+00

285.50 ∇

$\frac{280.64}{4.86}$ $\frac{277.70}{7.80}$ $\frac{279.83}{5.67}$ $\frac{280.1}{5.40}$ \varnothing
 20 20 20 16^E
 C6 INERT 9 1

R 10

$\frac{280.68}{4.82}$ $\frac{279.85}{5.65}$ $\frac{280.2}{5.30}$ $\frac{280.70}{4.8}$ $\frac{280.7}{4.8}$ $\frac{280.3}{5.2}$ $\frac{279.12}{6.38}$ $\frac{278.82}{6.68}$ $\frac{279.98}{6.02}$ $\frac{279.4}{6.1}$ $\frac{276.3}{9.2}$
 20 20 16^E 8 8 8 16^E 20 20 30 40
 C6 9 1 9 2 1 9 2 30 40

$\frac{280.93}{4.57}$ $\frac{280.10}{5.40}$ $\frac{280.44}{5.06}$ $\frac{281.0}{4.5}$ $\frac{281.0}{4.6}$ $\frac{280.9}{5.2}$ $\frac{280.3}{6.24}$ $\frac{279.26}{6.56}$ $\frac{278.94}{5.72}$ $\frac{279.58}{5.7}$ $\frac{279.80}{9.0}$ $\frac{276.5}{7.0}$
 20 20 16^E 8 8 8 16^E 20 20 30 40
 C6 9 1 9 8 1 9 9 26 30 40

$\frac{281.18}{4.92}$ $\frac{280.39}{5.12}$ $\frac{280.65}{4.85}$ $\frac{281.4}{4.1}$ $\frac{281.4}{4.8}$ $\frac{281.2}{4.7}$ $\frac{280.8}{5.99}$ $\frac{279.51}{6.36}$ $\frac{279.14}{5.75}$ $\frac{279.75}{6.0}$ $\frac{279.5}{9.4}$ $\frac{276.1}{7.0}$
 20 20 16^E 8 8 8 16^E 20 20 30 40
 C6 9 1 9 8 1 9 9 26 30 40

285.50 ∇

15+30 Lt End walk

15+21 29⁵' Rt to center 6" Pepper Tree

T.P. 7.84 292.61 π 0.73 284.77 Rt # 57270336

15+13 27⁰' Rt to center 12" Pepper Tree

15+00

14+75 Culvert crosses street. (30" R.C.P.)

14+50

14+31 Rt @ 10' Ch Inlet

285.50 π

285.42	285.33	285.19	284.99	284.94	285.61	285.61	285.31	284.44	284.10	284.92	285.11	285.31
7.17	7.28	7.42	8.12	7.76	7.0	7.0	7.3	8.17	8.51	7.79	7.5	11.3
27 ⁵	22 ⁵	20	20	16 ⁵	8	8	16 ⁵	20	20	30	30	40
Walk	cb	g	L				L	g	cb			

282.84	282.01	282.37	283.10	282.2	282.90	281.60	281.23	281.91	281.3	281.20
2.6	3.49	3.13	2.4	2.3	2.6	3.90	4.27	3.59	4.2	6.8
20	20	16 ⁵	8	8	8	16 ⁵	20	20	30	40
cb	g	L				L	g	cb		

277.67	281.41	280.59	280.89	281.90	281.90	281.50	280.2	279.85	280.53	280.2	277.26
7.83	4.09	4.91	4.61	3.6	3.6	4.0	5.30	5.65	4.97	5.3	12.14
30	20	20	16 ⁵	8	8	8	16 ⁵	20	20	30	40 ⁵
INVERT 8" Haul.	cb	g	L				L	g	cb		INVERT No Haul.

280.63	279.83	280.15	281.2	281.2	280.8	279.2	279.89	279.50	279.4	275.6
4.87	5.67	5.35	4.3	4.3	4.7	6.30	6.62	6.00	6.1	9.9
20	20	16 ⁵	8	8	8	16 ⁵	20	20	30	40
cb	g	L				L	g	cb		

277.97	277.60	276.66	277.43
6.53	6.90	8.84	6.07
16 ⁵	20	20	20
L	g	INVERT	cb

285.50 π

West Curb Line 63rd Street

298.26	297.63	297.62	296.96	296.70	297.14	297.54	298.22	299.39	301.08	301.71
5.06	5.67	5.70	6.31	6.62	6.18	5.78	4.60	3.93	2.24	1.61
90	90	10	40	20		20	10	40	100	100
cb	g	cb	g				g	cb	g	cb

Midpoint of Curb Returns

296.68	295.99	297.36	298.03
6.64	7.33	5.96	5.29
Curb	Gutter	Gutter	Curb

16+20.24 West Line 63rd Street

297.22	296.62	296.25	295.57	295.63	296.58	296.86	296.85	297.47	298.12	298.92
6.1	6.7	7.07	7.75	7.69	6.74	6.4	6.47	5.85	5.2	6.4
40	30	22	23	21		2	3	23	30	40
		cb	g	L		L	g	cb		

16+10.24 Curb B.C. PL

293.92	294.92	295.09	294.32	294.69	295.12	295.92	295.22	295.43	295.10	295.79	296.42	294.42
9.9	8.4	8.23	9.00	8.63	8.2	7.9	8	7.79	8.22	7.53	6.9	8.9
40	30	20	20	16	8	8	16	20	20	20	30	40
		cb	g	L			L	g	cb	cb		

T.P. 1134 303.32 A 0.63 291.98

303.32 A

15+80

290.91	290.81	291.28	290.55	290.96	291.21	291.31	291.11	291.17	290.81	291.48	291.71	291.51
1.8	1.8	1.33	2.06	1.65	1.4	1.3	1.5	1.44	1.80	1.13	0.9	4.1
40	30	20	20	16	8		8	16	20	20	30	40
		cb	g	L			L	g	cb	cb		

15+68

289.61	289.11	289.38	288.56	289.04	289.51	289.71	289.61	289.38	289.05	289.71	290.01	286.11
3.0	3.5	3.23	4.6	3.57	3.1	2.9	3.0	3.23	3.56	2.70	2.6	6.5
40	30	20	20	16	8		8	16	20	20	30	40
		cb	g	L			L	g	cb	cb		

292.61 A

292.61 A

check

338 332.77 = 332.85

Q Ld. E.C.T. Broadway @ 65th

T.P.

9.09 336.15 0.67 327.07

T.P.

12.82 327.74 0.73 314.92

T.P.

12.95 315.65 0.62 302.70

Reduced
R.H. Mesick
5-11-53

Q 63rd/₃₅ Street

299.76	298.15	297.61	297.83	297.93	299.59	301.81
454	5.17	5.11	5.49	5.39	3.78	1.51
100	50	20	11	17	50	100

303.32 T

303.32 T

D. Smith
J. Rorer
R. Taylor
B. Fish

Cross Sec Taft St Colima to Midway

Wot# 31439
1-8-54

INDEXED
SER

JAN 11 1954

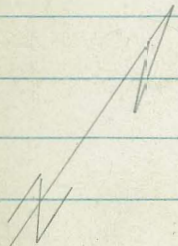
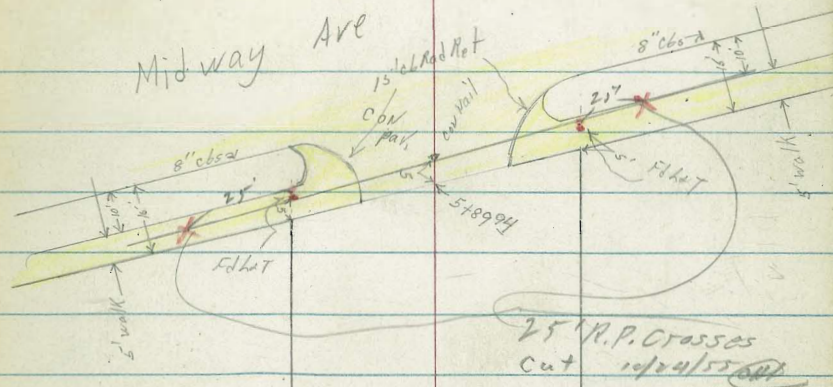
M.P. FB2234-10,22 Av Taft Ave
Midway to Forward

Reduced 1/25/54

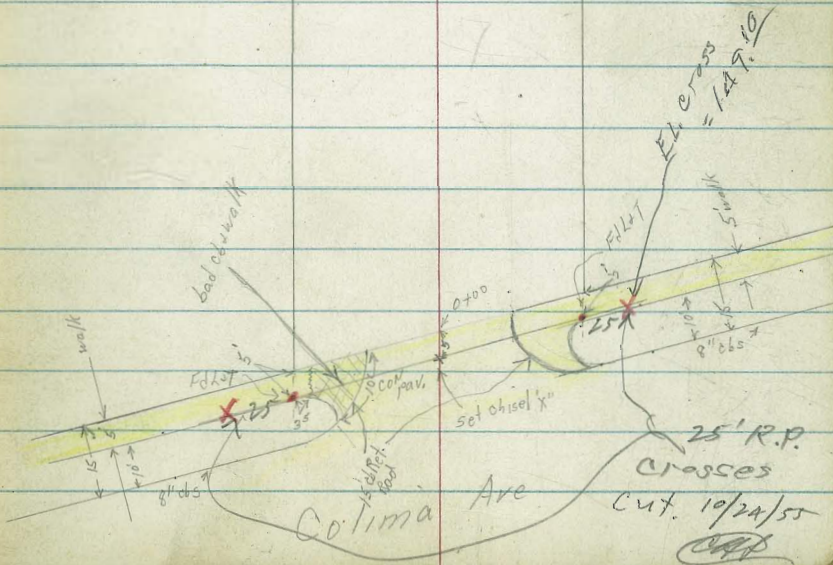
R. O. Low
Plotted - 9/3/54
C. Pearson

took soil sample sta 3100 @ 2 Taft

No additional notes needed as of 8-27-54
Roberts.



2 Taft St



0+75

Lt. Wly
143.2X
78
40
30
16
14
145.2X
58
55
53
44
32
22
146.6X
147.8X
148.3X
148.4X
75
29
30
40

0+64 29² Rt Beg in 6" Brick wall

148.1X
22
292
272
292
24
Footing
147.6X
37
272
149.3X
120

0+50

144.0X
70
30
144.4X
66
30
145.2X
58
15
145.8X
52
10
146.0X
50
12
147.2X
32
12
148.6X
24
25
149.1X
12
26
149.2X
15
30
149.2X
18
40

0+42 27³ Lt 3' con walk

144.0X
70
40
144.6X
62
30
144.86
64
272
Wly

0+25 @ 90° to left

145.8X
58
30
145.6X
52
16
145.4X
50
15
145.9X
51
10
146.1X
42
12
147.4X
36
25
148.9X
21
26
149.1X
18
30
149.5X
18
40
149.2X

0+07 29² Lt 14" Star Puncture

145.6
58
378
Wly
145.60
54
175
24
144.91
62
199
24
145.26
52
10
145.8X
50
30
145.92
52
88
146.01
52
172
24
146.64
42
172
24
147.33
36
348
24

144.87
615
247
145.51
52
247
146.84
475
24
146.36
476
24

0+00 Nly Colima end cbr con paving

Mid Pt Returns

Taken along Line of Colima

0-174⁰ Nly Colima

140.67
1036
922
26
140.01
1101
937
24
145.10
58
432
24
144.43
62
432
24
144.76
62
348
24
145.89
52
178
145.74
42
172
146.21
42
264
24
146.59
32
264
24
147.14
32
348
24
147.07
32
348
24
147.71
42
348
24
148.55
42
348
24
148.23
42
348
24

0-348 E Colima Ave

141.30
963
848
141.30
672
43
145.15
58
342
145.98
52
178
146.66
42
342
147.53
32
172
148.19
253
348
149.92
010
742

BM

3⁵⁰

151⁰²

147⁵²

5' Lat on E line T&T
NE cor
Colima

T-151⁰²

Lt = Wly

RT = Ely

16

1780 30° Lt end 3' rail fence

1775

139.6	139.7	139.3	139.4	140.0	140.8	139.8	140.2	140.4	140.8	142.0	142.7	143.1
8°	7°	8°	8°	7°	7°	7°	7°	7°	6°	5°	4°	4°
40	30	25	18	16	13	11		14	16	30	32	40

1771 30° RT & 2° con walk

1762 16° Lt & 3' brick con walk

140.47	141.16	142.87	143.52
708	630	468	423
40	30	30	30
wlk	wlk	wlk	wlk

1750

1745 29° Lt begin 3' rail fence

1740 30° RT end 6" brick wall

140.5	141.0	141.5	142.2	141.6	141.9	142.1	143.8	144.1
79	66	64	57	60	57	55	38	35
40	30	25	14	12		12	30	40

1725

142.0	142.5	143.8	144.6	143.8	144.3	145.0	146.3	146.5
56	52	38	45	48	38	52	22	13
40	30	14	12		12	14	30	32

1708 30° Lt & 8° con drive

1704 30° RT & 3° flagstone con walk

142.42	143.05
512	450
702	300
drive	

TP1 272 147 55 69 144 83

147.31	147.09
024	406
302	402
wlk	

1700

0776 29° Lt & 8" Camphor tree

142.6X	143.2X	144.2X	144.8X	144.9X	145.6X	146.2X	147.5X	147.8X
84	78	69	62	65	52	42	35	32
40	30	13		11	16	29	30	40

7/15/02

3125

$\frac{132.8}{94}$ $\frac{133.4}{82}$ $\frac{135.8}{62}$ $\frac{135.7}{65}$ $\frac{36.0}{62}$ $\frac{135.8}{64}$ $\frac{137.9}{43}$ $\frac{139.9}{38}$
 Lt-Wly RT-El
 40 30 13 12 6 13 30 40

TP₂ 6.08 142¹⁵ 1148 136.07

142¹⁵

3100

$\frac{132.8}{148}$ $\frac{133.4}{142}$ $\frac{134.3}{133}$ $\frac{136.2}{112}$ $\frac{136.1}{112}$ $\frac{136.1}{115}$ $\frac{136.1}{112}$ $\frac{137.1}{105}$ $\frac{138.7}{82}$
 40 30 23 14 11 14 30 40

2198 24^{1/2} Lt & 6" bush

$\frac{133.95}{1460}$ $\frac{133.52}{1403}$
 398 293
 con con

2191 29² Lt & 7⁵ con slab

2175

$\frac{133.6}{142}$ $\frac{133.8}{138}$ $\frac{134.3}{133}$ $\frac{136.4}{112}$ $\frac{136.3}{113}$ $\frac{136.8}{114}$ $\frac{136.8}{108}$ $\frac{137.8}{102}$ $\frac{139.1}{85}$ $\frac{139.3}{82}$
 40 30 22 11 18 26 30 35 40

2168 29^{1/2} Lt & 3² con walk

$\frac{133.52}{1403}$ $\frac{134.03}{1352}$
 398 272
 w/k

2156 30² Rt & 3² con walk

$\frac{139.05}{820}$ $\frac{139.89}{766}$
 303 403
 w/k

2150

$\frac{134.6}{130}$ $\frac{135.1}{125}$ $\frac{135.4}{122}$ $\frac{136.8}{118}$ $\frac{136.6}{112}$ $\frac{136.3}{113}$ $\frac{136.8}{108}$ $\frac{136.7}{102}$ $\frac{137.0}{106}$ $\frac{139.0}{86}$ $\frac{140.0}{74}$
 40 30 22 17 12 10 15 18 30 40

2125 31² Lt & 8² con drive

$\frac{135.36}{122}$ $\frac{135.93}{112}$ $\frac{136.0}{115}$ $\frac{136.7}{102}$ $\frac{134.6}{102}$ $\frac{134.1}{105}$ $\frac{137.6}{100}$ $\frac{137.7}{92}$ $\frac{139.3}{81}$ $\frac{139.6}{85}$ $\frac{140.9}{62}$ $\frac{141.7}{52}$
 412 312 30 17 12 11 16 19 26 30 40
 drive
 $\frac{140.64}{62}$ $\frac{141.7}{62}$ $\frac{142.89}{118}$
 264 300 40
 w/k

2112 26^{1/2} Rt & 3² con walk

2100

$\frac{137.2}{102}$ $\frac{137.4}{102}$ $\frac{137.8}{98}$ $\frac{139.0}{86}$ $\frac{139.0}{93}$ $\frac{139.3}{82}$ $\frac{138.7}{85}$ $\frac{139.1}{76}$ $\frac{140.0}{79}$ $\frac{140.6}{62}$ $\frac{141.4}{42}$ $\frac{143.4}{140}$
 40 30 19 13 11 15 17 26 30 40
 $\frac{140.93}{62}$ $\frac{141.64}{52}$ $\frac{142.93}{42}$ $\frac{143.79}{326}$
 272 302 352 40
 drive

1198 29² Rt & 6² con ribbon drive 1⁵ ea

147⁵⁵

4450 30° RT 29° con drive

$\frac{133.4}{85}$ $\frac{134.3}{72}$ $\frac{135.2}{70}$ $\frac{136.0}{60}$ $\frac{135.6}{60}$ $\frac{135.9}{60}$ $\frac{138.1}{41}$ $\frac{138.08}{40}$ $\frac{139.19}{30}$ $\frac{140.50}{15}$
 LT=141 RT=141
 40 30 18 12 10 10 10 30 30 30 40

4440 17° LT 2° Begin Row of shrubs

$\frac{133.3}{82}$ $\frac{134.0}{80}$ $\frac{135.8}{64}$ $\frac{135.5}{67}$ $\frac{136.0}{60}$ $\frac{135.9}{40}$ $\frac{137.4}{35}$ $\frac{138.6}{24}$ $\frac{139.8}{15}$

4425

$\frac{133.17}{70}$ $\frac{133.56}{30}$ $\frac{135.17}{11}$ $\frac{135.67}{10}$ $\frac{136.2}{6}$ $\frac{136.3}{16}$ $\frac{137.4}{20}$ $\frac{138.6}{30}$ $\frac{139.8}{40}$

4407 29° LT 3° con walk

$\frac{138.9}{82}$ $\frac{133.6}{80}$ $\frac{135.6}{39}$ $\frac{135.4}{29}$ $\frac{135.9}{30}$ $\frac{135.8}{20}$ $\frac{137.1}{13}$ $\frac{138.1}{30}$ $\frac{138.7}{35}$ $\frac{138.08}{40}$ $\frac{138.58}{40}$

4401 30° RT 4° brick + con walk

$\frac{132.88}{93}$ $\frac{133.42}{86}$ $\frac{135.6}{66}$ $\frac{135.4}{68}$ $\frac{135.9}{63}$ $\frac{135.8}{64}$ $\frac{137.1}{51}$ $\frac{138.1}{41}$ $\frac{138.7}{35}$ $\frac{138.08}{30}$ $\frac{138.58}{40}$
 40 30 12 10 16 20 30 40

4400

3782 30° LT 7° con drive

$\frac{132.6}{96}$ $\frac{133.4}{88}$ $\frac{133.8}{84}$ $\frac{135.4}{68}$ $\frac{135.9}{63}$ $\frac{135.6}{66}$ $\frac{136.8}{52}$ $\frac{137.3}{42}$ $\frac{138.0}{42}$
 40 30 24 11 15 22 30 40

3775

3750

3740 30° LT 2° con walk

$\frac{132.7}{95}$ $\frac{133.4}{88}$ $\frac{134.4}{78}$ $\frac{135.6}{68}$ $\frac{136.0}{62}$ $\frac{135.8}{64}$ $\frac{137.4}{48}$ $\frac{138.0}{43}$ $\frac{138.97}{98}$ $\frac{133.50}{85}$ $\frac{133.02}{70}$ $\frac{133.67}{30}$

3732 30° LT 3° con walk

3730 26° RT 7° con drive

$\frac{136.90}{96}$ $\frac{137.24}{88}$ $\frac{138.81}{33}$ $\frac{136.90}{52}$ $\frac{137.24}{48}$ $\frac{138.81}{33}$
 40 30 40

14215

section taken along Midway

5789²⁴ Sly Midway begin obs + comparing

5775

5771 19^s RT & Fire Hyd.

5764 2nd & Mid pt 6 bushes 10' Rad Circle

5750

5725

5719 22nd RT & W pt of E & W Eugenia hedge 8' high

7th 6⁸² 142⁴⁶ 6⁵¹ 135⁶⁴

5711 26th RT & 1" Bush

5700

4794 28th LT & 6" tree

4786 29th LT & 8" con drive

4775

4772 16th LT end & Planting shrubs

4765 27th RT & 3rd brick + con

$\frac{131.97}{104^2}$ $\frac{132.14}{103^2}$ $\frac{131.60}{102^2}$ $\frac{132.78}{101^2}$ $\frac{132.49}{99^2}$ $\frac{132.88}{98^2}$ $\frac{133.17}{97^2}$ $\frac{133.24}{96^2}$ $\frac{134.72}{95^2}$

30 w/K 17⁵ 17⁵ 82 10 19² 17² 30 w/K
 6⁴ 9⁴ 9⁴ 9² 9² 9² 9² 9² 9²

$\frac{132.7}{9^2}$ $\frac{133.1}{9^2}$ $\frac{133.5}{9^2}$ $\frac{133.0}{9^2}$ $\frac{133.3}{9^2}$ $\frac{133.5}{9^2}$ $\frac{136.4}{9^2}$ $\frac{136.0}{9^2}$

40 30 17 14 14 18 30

$\frac{133.0}{9^2}$ $\frac{133.5}{9^2}$ $\frac{133.6}{9^2}$ $\frac{134.2}{9^2}$ $\frac{134.7}{9^2}$ $\frac{134.8}{9^2}$ $\frac{136.0}{9^2}$ $\frac{137.1}{9^2}$ $\frac{138.1}{9^2}$ $\frac{138.6}{9^2}$

9⁵ 9² 7² 8² 7² 7² 6⁵ 5⁴ 4⁴ 3²
 40 30 16 13 13 15 18 30 40

$\frac{133.6}{8^2}$ $\frac{134.1}{8^2}$ $\frac{135.5}{8^2}$ $\frac{135.0}{8^2}$ $\frac{135.4}{8^2}$ $\frac{135.3}{8^2}$ $\frac{137.7}{8^2}$ $\frac{138.3}{8^2}$ $\frac{139.0}{8^2}$

8² 8² 7² 7⁵ 7⁴ 7² 4⁸ 4² 3⁵
 40 30 15 12 14 19 39 40

$\frac{133.5}{8^2}$ $\frac{134.0}{8^2}$ $\frac{134.4}{8^2}$ $\frac{134.5}{8^2}$ $\frac{135.7}{8^2}$ $\frac{135.3}{8^2}$ $\frac{135.7}{8^2}$ $\frac{135.6}{8^2}$ $\frac{137.2}{8^2}$ $\frac{137.9}{8^2}$ $\frac{138.5}{8^2}$ $\frac{139.2}{8^2}$

8² 8² 7⁸ 7² 6⁵ 6² 6⁵ 6⁶ 5⁰ 4³ 3² 3⁰
 40 32 30 25 14 12 14 19 23 30 40

$\frac{133.76}{8^2}$ $\frac{134.29}{8^2}$

8² 7⁸⁶
 40 30 13 11 15 19 26 30 40

$\frac{133.7}{8^2}$ $\frac{134.5}{8^2}$ $\frac{135.7}{8^2}$ $\frac{135.6}{8^2}$ $\frac{135.9}{8^2}$ $\frac{135.9}{8^2}$ $\frac{137.5}{8^2}$ $\frac{138.4}{8^2}$ $\frac{138.7}{8^2}$ $\frac{139.7}{8^2}$

$\frac{139.03}{3^2}$ $\frac{139.07}{3^2}$ $\frac{139.66}{3^2}$

3² 3⁰⁸ 2⁴⁹
 27² 30 40

14/15

Lt-Wly

♀

RT-FLY

20

TP4 BM ✓

11:00

131⁷⁶

✓
131⁴²
✓ CB on 6
NW cor.
Midway x
Takt

FB2234 p23

6407³⁴ Sly. Cb live Midway section taken along cbs

129.36	128.72	131.26	120.61	131.56	130.93	131.32	132.07	132.86	133.59	134.07	134.68	137.97	138.52
13 ¹⁰	13 ¹⁴	11 ²⁰	11 ²⁵	10 ²⁰	11 ²³	11 ¹⁴	10 ³⁹	9 ⁶⁰	8 ²⁷	8 ²²	7 ²⁸	4 ¹⁰	3 ²⁴
848	848	378	348	260	269	174	172	348	432	432	932	932	932
cb	gut	cb	gut	cb	gut	cb	cb	gut	cb	gut	cb	gut	cb

131.23 131.50

11²³ 10⁶⁶
gut cb

8²² 9²²
cb gut

134.24 133.44

Mid pt Returns

π 142⁴⁶

Roberts
Cota
Moore
Moralaz
8-30-54
11043/139

X-Section Bellevue Avenue
Colima to Midway
For Sketch See Page 27 F.E. 1179 ✓

Note: Make field check of curb returns
under this work order, for replacement.

0+25 22^E Lt to ornamental bush

0+00 Rt. L to C 30^E Rt to C & S concwalk

0-01^E 16^E Rt begin Hedge

0+00 North Line Colima & Bellevue (section Parallel to Colima)

Sisson's notes on conc. good

T.P. 1.24 124.39 $\bar{\wedge}$ 12.99 123.15

T.P. 0.24 136.14 12.63 135.90

B.M. 1.01 148.53

N.E. 5' 2d 6' at
147.52 Colima & Taft

Lt
\$
Rt 21
INDEXED
AUG 31 1954

6.0 5.1 4.2 4.8 4.2 3.7 2.7 0.8 0
46 30 16 15 13 14 30 40
118.4 119.3 120.2 119.6 120.2 120.7 121.7 123.6 124.4

49 44 23 14.3 14.3 12.0
Dirt 12 16 30 30 41
ORD WALK WALK
119.5 120.0 122.1 124.7 124.7 126.4

5.72 5.77 6.38
345 178 192
WALK CB SET
118.47 118.62 118.01

452 384 335 280
174 174 262 375
CUT CB WALK WALK
119.25 119.87 120.55 121.04 121.59

12439 $\bar{\wedge}$

1713 30^E Lt Q 17 conc driveway

117.17
7.22 6.70
~~4.8~~ 3.02
Floor Apron

~~1700~~

117.5 117.9 118.6 119.2 119.7 120.4 121.3 121.8
6.9 6.5 5.8 5.2 4.7 4.0 3.1 2.6
4.0 3.0 1.2 1.5 1.7 3.0 4.0

0+96 22^E Lt to ornamental bush.

0+64 30^E Rt begin chain link fence

0+50

118.6 119.1 119.6 120.2 120.5 121.5 122.4 122.9 123.3
5.8 5.3 4.8 4.2 3.9 2.9 2.0 1.5 1.1
4.0 3.0 1.4 1.4 1.6 2.2 3.0 4.0

0+48 30^E Rt Q Conc Walk

122.87 123.17
1.52 1.22
3.0 4.0
Walk Walk

0+30 17^E Rt End Hedge

12439A

12439A

Cont'd from Page 22

2+01 30° Rt & 3' conc walk

2+00

1+86 28° Rt to NE 3" Tree

1+85 28° Lt & 8' conc driveway

1+84 30° Rt End chain link fence

1+65 22° Lt to NE 24" Palm

1+50 22° Lt to NE 18" Palm

1+45 22° Rt to NE 9" Tree

1+31 18° Lt to near edge 30" Euc. Tree
N.E.

T.P. 5.33 12348 X 624 118.15

12439 X

Lt

Rt

120.50 Rt 23
2.98 209
30 40
conc conc

115.9 116.4 117.5 117.8 118.4 119.3 120.5 121.2
7.6 7.1 6.0 6.1 5.7 5.1 4.2 3.0 2.3
40 30 15 14 17 20 30 40

115.9 116.5 117.8 117.6 118.2 118.6 119.4 119.9 120.3
7.6 7.0 5.7 5.9 5.3 4.9 4.1 3.6 3.2
40 30 14 13 17 20 30 40

12348 X

Cont'd From Page 23

Lt

£

Rt 24

2+91 18^o Lt begin rail fence

2+84 21^o Rt to Hibiscus bush

2+72 22^o Rt to Hibiscus⁹³ bush

2+67 20 Rt End Rail fence

2+50

115.8	116.2	117.4	118.0	118.7	119.3	120.6	121.0
77	73	61	55	48	42	29	25
40	30	16		17	18	30	40

2+28 ←^{ok} 19^o Rt Begin Rail fence

2+32 29^o Rt 3 conc walk

121.00	122.14
2.48	1.34
29 ^o conc	40 ^o conc

2+27 28^o Lt 3 conc walk

115.96	116.56
752	6.92
40 conc	28 ^o conc

2+09 30^o Rt 8 conc drive

120.03	120.91
3.45	2.57
30 ^o conc	40 ^o conc

2+03 29^o Lt 7 Conc driveway (No Garage)

115.90	116.38
7.58	7.10
40 conc	29 ^o conc

123.48X

123.48X

Contd From Page 24

Lt

Q

Rt

25

3+50

	116.2	116.5	117.7	117.5	118.1	118.6	119.8	120.9	121.7
	73	70	58	60	5.4	4.9	3.7	2.6	1.8
	40	30	19	12		16	20	30	40

3+40

21⁵ Lt to N. E. 24" Euc. Tree

3+30

17¹ Lt End Rail fence

3+29

30¹ Lt Q3 conc walk

	116.14	116.98
	7.34	6.50
	40 ¹ conc	30 ¹ conc

3+25

29² Rt Q8 conc drive

	120.94	121.37
	2.54	2.11
	29 ² conc	40 ⁹ conc

3+00

	116.3	116.8	117.6	117.8	117.5	118.3	119.0	119.9	120.6	121.3
	7.2	6.7	5.9	5.7	6.0	5.2	4.5	3.6	2.9	2.2
	40	30	19	14	13		17	19	30	40

2+95

30⁶ Lt Q3 conc walk

	116.31	116.73
	7.17	6.75
	40 ⁶ conc	30 ⁶ conc

2+94

17³ Rt Q4 conc walk

	119.74	120.44	120.97
	3.74	3.04	2.5
	17 ³ conc	30 conc	40 conc

123.48A

123.48A

4+28 19³ Rt to N.E. 4" Euc. Tree

Better
save.

4+22 30³ Rt to wall

118.4 117.7 117.8 119.2 120.0
5.1 5.8 5.7 4.3 3.5
30³ 30³ 30³ 30³ 30³
SPD Foot Foot Top Top

4+20 18³ Lt to N.E. 5" Euc. Tree

4+10.5 31 Rt No. Side Drive
30³ Rt begin conc. block wall

118.8 117.9 119.3
4.7 5.6 4.2
30³ 30³ 30³
SPD Foot Top

4+08 30³ Lt Q-3 conc walk

115.87 116.28
7.6 7.2
40³ 30³
conc conc

4+02 27⁴ Rt So. Side Drive

119.31 120.05
4.17 3.43
27⁴ 37⁴
conc conc
118.0 118.5
5.5 5.0 4.0 3.0
17.20 30 40

4+00

116.1 116.4 117.1
7.4 7.1 6.4 5.9
40 30 17

3+90 30³ Lt begin 6" conc. curb

115.97 116.52

3+83 30³ Lt Q-8 conc drive

7.51 6.86
40³ 30³
conc conc

3+55 20⁰ Rt Q ornamental bush

4+74 19° Lt to N.E. 24" ^{Cypress} Cedar

4+66 to 4+70 30° Rt conc. blk. wall

4+61 30° Rt ♀ 8 conc. Drive

4+57 30° Rt End Wall

T.P. 472 122.97 $\bar{\Delta}$ 523 118.25

122.97 $\bar{\Delta}$

4+50

4+42 30° Lt ♀ 10 conc. drive

4+32 30° Lt End conc. curb

123.48 $\bar{\Delta}$

7.1	6.8	6.3	5.9	5.6	4.8	4.3	3.5
40	30	15	17	30	31	40	
116.4	116.7	117.2	117.6	117.9	118.7	119.2	120.0
7.32	6.95						
40 ³	30 ³						
conc	conc						

123.48 $\bar{\Delta}$

119.0
4.0
30⁰
SRD

118.6
4.4
30
Feet

120.1
2.9
30
Top

119.44
3.53
30¹
conc

120.17
2.80
40¹
conc

118.8
4.2
30¹
GRD

117.9
5.1
30¹
Feet

120.0
3.0
30¹
Top

5+50

119.5
3.5 3.7 4.0 3.6 3.1 2.6 1.0 0.5
40 30 14 17 18 30 40

5+43

18° Lt to N.E.

40" Palm

5+31

30° Lt @ 3 conc walk

118.37
4.60 4.20
403 conc 303 conc

5+00

117.3 117.7 117.7 118.3 118.6 120.2 121.1
5.7 5.3 5.3 4.7 4.4 2.8 1.9
40 30 15 16 30 40

4+98 to 5+25

21° Lt to Candelabra Cactus ledge.

4+94

19° Lt to N.E. 40" Euc Tree

4+81

30° Rt @ 14 conc drive

119.34 120.76
3.63 2.21
30 conc 45 Aber

4+77

30° Lt @ 3 conc walk

116.82 117.29
6.15 5.68
403 walk 382 walk

122.97A

122.97A

check

$$2.89 / 20.08 = 120.00$$

NWBP
Midway $\frac{1}{2}$ Bellevue

5+92 19² Lt to N.E. 12" Acacia Tree

5+89.92 { Section parallel to Midway
South Line Midway $\frac{1}{2}$ Bellevue

	120.65	120.13	120.74	120.92	121.47
232	2.84	2.23	2.05	1.50	
175	172		192	192	
cb	cut		cut	cb	

5+73 19⁰ Lt to Hibiscus bush

5+70 17² Lt to N.E. Fire hydrant

5+67 19⁴ Lt to Oleander bush

5+40 ^{OK} 31² Lt begin conc. blk. wall

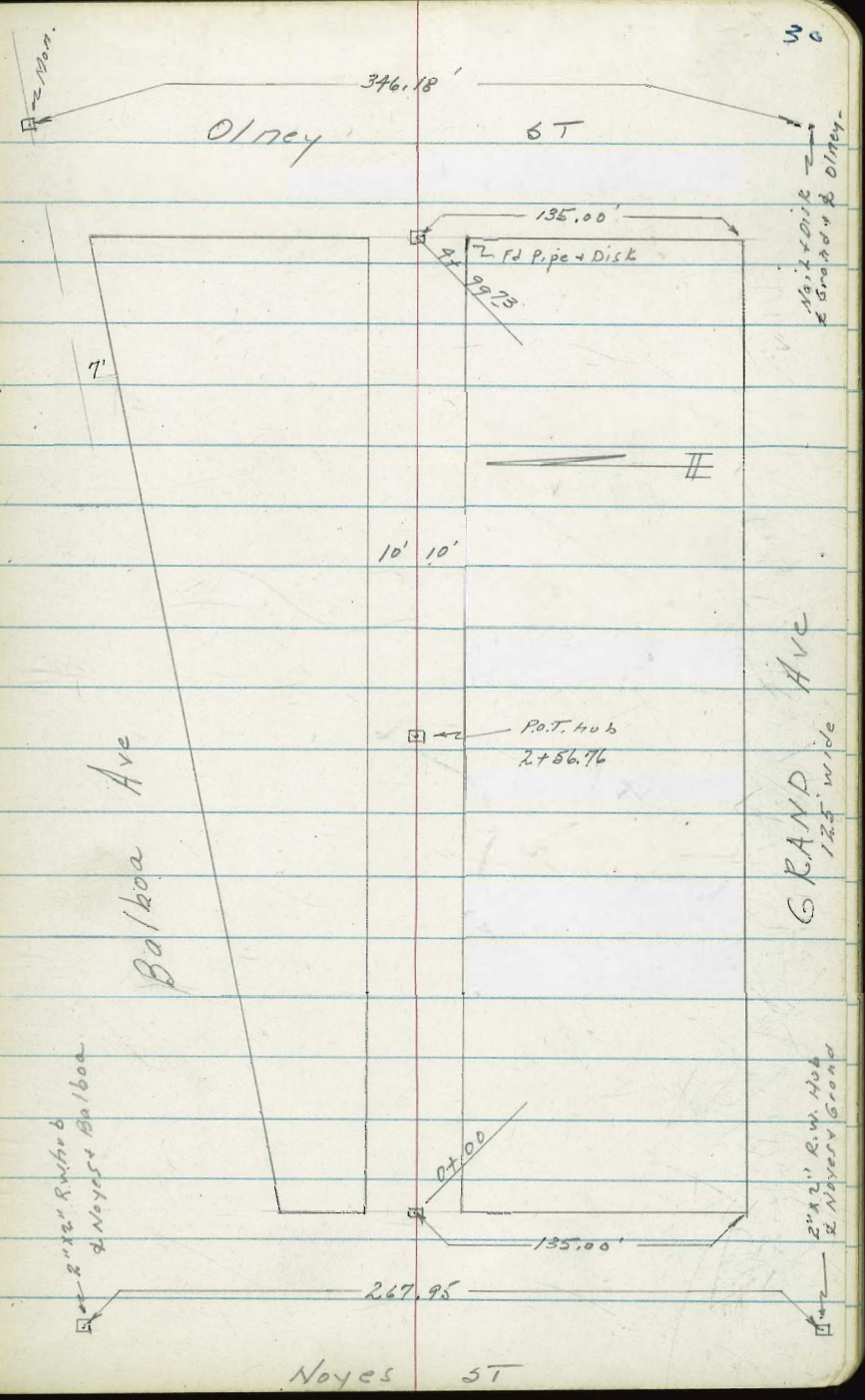
122.1	118.4	118.9
09	46	41
31 ²	31 ²	31 ²
Top	Foot	SRD

122.97 $\frac{1}{2}$

122.97 $\frac{1}{2}$

X-sec Alley Block 241 - Pacific Beach
 W/O # 32402
 1/13/55
 C. Allen, C. Powell, D. Sisson, P. Kelley
 Ref. TP 1615, 1616

INDEXED
 HER
 JAN 14 1955



30

Noyes ST

X-sec Alley
See sketch

BIK 241, Pacific Beach
Page 30

LT = N14

20'
Alley

RT = S14-

31

0+31 - 10⁶LT = 8" Tel pole # 464056.H-

0+25

4 ² 10	4 ⁴	4 ³ 10
45.3	45.1	45.7

0+10 - 10⁵LT = dead man.

0+06 - 10⁵LT = dead man

0+02 - 10⁶RT = begin 5 1/2' high Redwood fence

0+00 = Ely Line Noyes ST

5 ⁻⁸ 50 in Balboa Ave	5 ⁻¹ 10	5 ⁻⁵	5 ⁻³ 10	6 ⁰ 50
43.7	44.4	44.0	44.7	43.5

0-40 = 8" Noyes ST - 8" Sewer Man hole

5 ⁻⁹ 50 in Balboa Ave	5 ⁻⁴ 10	5 ⁻³⁷ Ritt S.M.H.	5 ⁻⁴ 10	6 ⁻¹ 50
43.6	44.1	44.10	44.1	43.4

See recent X-secs of Noyes + Balboa Ave

49.47 x

BM

4.58

49.47

44.89

Nail is shy of pole # p4428- + Noyes-
swly cor Balboa

1+12 - 10² LT = end 2 story Stucco APT House

39
10²
ground

1+00

15.6	15.6	15.7	14.9	14.5
39	39	43	46	50
10 ² grat Sly of House	10		10	25

0+75 - 8⁰ RT = 2 10" Power Pole # JPA 2120

15.5	15.1	15.2
40	44	43
10		10

10² LT = begin 2 story Stucco APT House
0+69 - 10² LT = end 5 1/2' high Redwood fence

16.0	15.6
35	39
10 ² Floor	10 ² grat Sly of House

0+62 - 11⁴ RT = end 5 1/2' high Redwood fence

0+50

15.5	15.5	15.7	15.3	14.9
40	40	43	42	46
25	10		10	25

11⁵ RT = begin 5 1/2' high Redwood fence
0+46 - 10³ RT = end 5 1/2' high Redwood fence

0+34 - 10² LT = begin 5 1/2' high Redwood fence

Alley 241 cont

LT = Nly

20"
Alley

RT = S1/4-

33

1+71 - 10° LT = begin Conc Slab

#674	#656
275	291
20	10°
ON Conc Slab	Conc Slab
	Swly cor.

1+65 - 10° LT = end Conc Slab

#638	#651
309	296
20°	10°
ON Slab	Conc Slab
	Swly cor.

1+50

#629	#63	#61	#61	#56
318	32	34	34	39
10°	10°		10	25
Sly edge of Conc Slab	gr.			

1+25

#597	#597	#59	#56	#55
355	355	36	39	40
10	99	99		10
ON Slab	Sly edge of Slab	gr.		

1+16 - 9° LT = begin Conc Slab

#617	#591
330	356
199	99
ON Conc Slab	Sly edge of Slab
	Swly cor. of Slab

49.47x

Alley 241 cont

LT = Nly

2

RT = Sly -

34

49.10 T

TP, 2.58 49.10 2.95 46.52

ON 2" x 2" Redwood hub P.O.T. at Sta 2+56⁷⁶

2+00 - 9⁸ RT = begin 5' high Board fence

47.75	47.3	47.1	46.7	46.1
222	22	24	28	34
98	98		10	25
5' x 2' slab	9"			

1+98 - 9⁸ LT = begin Conc Slab

46.97	47.19
250	228
198	98
ON slab	ON CONC slab - SWLY COR

1+84 - 10⁰ LT = end Conc Slab

46.97	46.84
250	263
200	100
ON CONC Slab	CONC Slab SWLY COR

1+75

46.7	46.5	46.4
28	30	31
10		10

49.47 T

2+75

45.60	46.7	46.3	46.7	46.8
3 ⁰	2 ⁹	2 ⁸	2 ⁹	2 ³
20 ⁰	10		6	10
Start A.C. Slab				

2+50

46.40	46.90	46.90	47.70	46.80
2 ⁷	2 ²	2 ²	1 ⁹	2 ³
20 ⁵	10		10	2 ⁵
Start A.C. Slab				

2+47-8⁴ RT= 2 Dead Man

2+29-21⁰ LT= behind APT's
begin A.C. Parking Slab

46.48
2⁶
2⁰
Start
A.C.

2+25-8⁶ RT= 2 10" Power Pole # A2140

47.10
1⁹
10

47.10
2⁰

47.10
2⁰
10

2+18-10⁴ LT= 2 8" Tol Pole # JPA2141

2+11- 9⁹ LT= end Conc Slab

47.08
2⁰
19⁸
ON CONC
Slab

47.55
1⁵
9⁹
CONC Slab
SELY CAR

49.10_F

3+25

43.46
5' 7"
10

44.0
5' 1"

44.5
4' 6"
10

3+24-14' RT = ^{Car garage} end Conc Ramp for 2

44.74
4' 36"
14' 2"
Conc Ramp

45.08
4' 02"
30' 0"
90' Floor

12' LT = begin 4' high board fence

12' LT = begin A.C. Paving in yard

3+11-20' LT = end A.C. Parking slab

43.90
5' 2"
20' 0"
A.C. Parking Slab

44.70
4' 90"
12' 0"
A.C. in yard

3+09-14' RT = ^{R Car garage} begin Conc Ramp for

45.70
3' 90"
14' 2"
N14 of

45.04
4' 06"
30' 0"
90' Floor

3+00-10' RT = end 5' high board fence

44.3
4' 8"
20' 0"
514 of
A.C. Slab

44.9
4' 2"
10

45.7
3' 9"

45.5
3' 6"
10

45.7
3' 9"
25

49.10 T

X-sec Alley 241 cont

$\left. \begin{array}{l} 10^5 \text{ LT} = \text{begin 5' high cyclone fence} \\ 4+00 - 10^0 \text{ RT} = \text{begin 5' high board fence} \end{array} \right\}$

$\left. \begin{array}{l} 12^6 \text{ LT} = \text{end A.C. Paving in yard} \\ 3+96 - 10^3 \text{ LT} = \text{8" Tel Pole}^* \text{ 464058 H.} \\ 3+77 - 10^0 \text{ LT} = \text{deadman} \end{array} \right\}$

3+75

3+50

3+45 - 8⁰ RT of 10" Power pole # A 2154'

3+43 - 12² LT = end 4' high board fence
A.C. Paving in yard cont's

LT = N14

of

RT = S14

37

40.8	40.8	40.7	40.4	40.4
8 ³	8 ³	8 ⁴	8 ²	8 ²
25	10		10	25

41.3	41.0
7 ⁸	8 ¹
22 ⁶	12 ⁶
A.C.	A.C.

41.7	41.6	41.5
7 ⁴	7 ⁵	7 ⁶
10		10

47.1	47.6	47.5	47.8	48.0	48.1
6 ⁴	6 ⁵	6 ⁶	6 ³	6 ¹	6 ⁰
22 ³	12 ³	10		10	25
ON A.C. slab	slab				
	A.C. slab				

49.10 T

X-sec Alley BIK 241 cont

LT=NY

2

RT=Sty-

38

4+50

39.4	39.4	39.4	39.7	39.7
38	38	38	40	40
11.6	10.2		10	25
9' at House				

4+39- 11' LT= begin Stucco House - swly cor

40.64	39.9
252	33
11.6	11.6
Floor	ground at House

4+31- 11' LT= end Conc Ramp 2 car garage

41.01	40.76
215	290
148	11.2
Floor	Ramp

TP2 5.86 43.16 11.80

ON 2"x2" hub on drip
4+997.3

37.30

43.16 π

4+25

40.79	40.3	40.1	39.8
881	88	90	93
11.2	10		10
5'4" of slab			

garage - APT Above garage.

11' LT= begin Conc Ramp for 2 car

4+06- 10' LT= end Cyclone fence.

40.7	40.38
808	872
146	11.2
Floor	Ramp

49.10 π

X-sec Alley BIK 241

6[±] LT = Gasco gate valve cover (12' dia)
4+99 7.3 = Wly line Olney ST

4+75

4+69. 10° RT = end 6' high Conc block wall

4+68-11² LT = end stucco House - SEhy cor

10° RT = begin 6' high Conc block wall
4+55- 10° RT = end board fence

4+53- 10° RT = 4' wide Conc walk

LT = N14

RT = S14

39

38.4	37.5	37.6	37.6	37.7
48	57	56	56	55
50	10	10	10	30

ON COVER

38.7	38.7	38.5
45	45	47
10		10

38.7	38.3
45	49
10°	10°
94	Foot

39.0
42
112
94 at
House

39.1	38.3
41	49
10°	10°
94 at wall	Footing

39.09	39.06
40.7	41.0
10°	20°
Conc	walk
walk	

43.16 T

LT = N14

RT = S14

40

TP4

6.44

44.90

STARTING B.M.

TP3

8.41

51.34

0.23

42.93

5+39⁷³ = $\frac{1}{2}$ Olney ST - also $\frac{1}{2}$ Sewer Manhole
 Rough Cold lay Pav - No value

35.0	34.4	34.11	34.0	33.0
8 ²	8 ⁸	9 ⁰⁵	9 ²	10 ²
50	10	RITT SMH	10	50

5+30 - Approx No value ← Pav
 Wly edge of Rough Cold lay

35.5	34.9	35.0	34.5	33.5
7 ²	8 ³	8 ²	8 ²	9 ²
50	10		10	50

5+20

37.4	37.4	36.8	36.1	35.9	35.8	36.6	36.2	36.5
5 ⁸	5 ⁸	6 ⁴	7 ¹	7 ³	7 ⁴	6 ⁶	7 ⁰	6 ⁷
50	25	11	10		8	10	14	50

5+18 - 12° RT = $\frac{1}{2}$ 12" Power pole # 4424

43.16 τ

All pole measured inside

0 51	Pole 6.4 Lt	PA 746
0 + 34	end of wall 7.5 Rt	
0 + 28	6.6 Lt	dead man
0 + 23	6.4 R	Pole A 945

76.1	76.44
5.0	4.63
	Top Wall
	7.5

76.2	76.0	76.2	76.7
4.9	5.1	4.9	4.40
		7.5	Wall
			7.5

0+005 beg wall Rt 75

0+00

76.14	76.03	76.93	76.13
4.93	5.04	5.44	4.94
CB	7.5	7.5	CB

-10

75.99	5.08	5.56	5.55	5.43	5.36	5.30	4.74
	CB	9.5	7.5		7.5	9.5	CB

3.75 81.07

81.07

#3 A 91 83.67 6.35 77.32

NW 7' tack Nautilus 4 La Jolla Blvd

#2 11.22 78.88 0.12 78.76

9.70 69.22 1.56 67.66

+ - 59.52

S.W. B.P. Belvedere + Monte Vista
FB 1345-P 75

1 + 51 end of Bd fence 9.6 R

1 + 50

72.94

72.7

73.0

8.2

8.4

8.1

7.5

7.5

73.64

73.63

1 + 18 Beg Ramp 9.5 R

74.3 7.44

74.3 9.5

gar floor

0 + 00 beg 8.5 R Bd fence

0 + 96 end of Ramp

74.2

74.4

74.7

74.67

75.45

6.9

6.7

6.4

6.40

5.62

7.5

7.5

8.6

11.6

0 + 54 8.7 R Beg Ramp

75.39

75.58

5.68

5.49

8.7

11.7

gar

75.5

75.7

75.6

75.6

0 + 52

5.6

5.4

5.5

5.5

7.5

7.5

10

81.07 -
~81.07
~

2+00 { beg bd fence 7.8 Rt
Pole 5.8 Lt P.A. 4.24
Lateral Fence 7.0 Lt

1+95 end of Ramp 9.3 Lt

1+94 end of ramp 8.2 Rt

1+74 beg Ramp 9.3 Lt

1+63 end ramp 9.7 Lt

1+58 beg Ramp 7.9 R

T.P. 3.78 75.96 8.89 72.18

~~81.07 8.89 72.18~~

71.4
4.6
7.5
71.4
4.6
7.5
71.5
4.5
7.5

72.14
38.2
15.9
floor 4.11
9.3

72.22
37.4
15.3
floor 3.75
9.3

73.41
35.5
14.3
floor 3.06
9.7

71.81
72.70
4.15
8.2
3.26
1.85
floor

72.87
73.52
3.09
7.9
2.44
1.82
floor

75.96

91.07

3+00

pole 4.8 ft
beg fence 7.6 ft

69.0

68.8

68.8

7.0

7.2

7.2

69.47

69.90

7.5

7.5

6.55

6.66

9.2

floor

3+80

9.3 ft beg ramp

69.67

6.29

69.92

6.02

9.3

5.25

3+75

end of fence 7.8 ft

3+62

ornamental tree 9.5

3+61

lateral fence 3.9 ft

3+56

end of garage

70.4

70.7

70.4

3+50

5.6

5.7

5.6

7.5

7.5

3+

70.7

3+35

7.4 ft garage

13.4 ft of door
dirt floor

5.3

13.4
floor

75.96

75.96

3 + 79 beg conc bldg 8.5 ft
end conc wall 7.5 ft

3 + 76 beg wall 7.65 ft

3 + 72 end ramp 10.5 ft

beg conc blk 7.5 ft
3 + 52 end of fence 7.5 ft

3 + 50

3 + 33 10.6 ft beg Ramp

3 + 30.6 end of fence 10.4 ft

3 + 01 Beg fence 10.4 ft

75.96

67.80
8.16
10.5
68.16
7.80
18

7.8
8.2
7.5
7.8
8.2
7.5
67.7
8.3
7.5

68.50
7.46
10.6
68.77
7.19
18
floor

75.96

A+75 end of conc gar 7.76 ft

A+55 beg conc gar 7.9

A+52 g Rft end of fence

A+50

(beg fence 8.6

A+26 } end of wall 7.6 Rft

(@ car - west entrance)
A+22 end of conc bldg 18.4 ft

T.P. 379 70.10 9.65 66.81

A+02 beg conc bldg 8.5 ft

(end of bldg 8.5 ft
A+00 } Pole 5.3 ft PA 390

75.96

65.04

5.06 7.9
q. of Door
81 ft

65.2

4.9
7.5

65.0

5.1

65.2

4.9
7.5

66.17 66.17
3.93 3.93
18.4 8.4
q. of door

70.10

66.7

9.3
7.5

66.6

9.4

66.5

9.5
7.5

75.96

5+56 - 62 ft

5+51 79 POT Tie out 4 on Ramp 11.13 7.00

5+50

5+35 94 ft Ramp

5+26 beg fence 63 ft

5+00 Pole 5.24 PA 286

4+94 66 ft ramp beg end

4+79 65 ft ramp beg

3.64 67.95 4.79 65.31

70-10 - ~~479 65.31~~

63.2

48
7.5

62.9

5.1

63.0

63.33 5.0
7.5

63.41

454
floor
19.4

4.62

9.4

64.2

3.8

64.0

4.0

64.2

3.8

7.5

64.60

335 353

floor

29.4

64.92

64.81

3.14

nail
Pole PA 286

67.95

70 10

6
5+00 5.9 APA 274

61.7 61.6 61.6
6.3 6 6.4
7.5 7.5

5+98 8.0 Lt beg bldg

5+96 7.7 end of ramp

5+80 7.8 Lt beg ramp

62.92 62.31
5.53 5.64
13.8 7.8
floor

5+75 5.8 Lt end of Ramp

62.88 62.73
5.07 5.22
6.8 3.8

5+66 9.3 Rt End of Ramp

62.95
5.00
9.3

5+56 5.7 Lt Ramp

62.93 62.99
5.02 4.96 +
15.7 5.7

67.95
LW

67.95
LW

6+62 end of step 5.7

6+60 end rubble wall 6.0 ft

6+53 rubble wall 6.0 ft

6+52 end fence ^{lt} 8.0 beg bldg 7.9 ft

6+51 9.5 left enc.

6+51 end of ramp

6+50

6+39 beg ramp 9.4 ft

6+17 beg fence 8.0 ft
end of bldg 8 ft

67 95

60.69
7.26
5.7

60.8
7.2
7.5

60.4
7.6

9.4

60.91 61.29
7.04 6.6
9.3 19.3
60.7
7.3
7.5
61.13 6.34
6.82 6.61
9.4 19.4 floor

67 95

7+70 end of fence

(beg of fence 8.3 Lt

7+51 end of fence 8.3 Lt

2.99 60.63 10.31 57.64

7+50

7+24 End of gar 15 Rt Door to W

20ft R dirt floor 9.0

7+03 beg of gar 15 Rt

7+02 Pole 5.6 Lt PA 264

7+00 beg fence 7.5 Lt

6+99 end of bldg 8.1 Lt

6+75 $\frac{1}{2}$ step 5.7 Lt 4' wide67.95

57.7	<u>60.63</u>	57.6	57.4
10.3	10.4	10.6	
7.5		1.5	

59.2	59.2	58.9
8.8	8.8	9.1
7.5		7.5

60.59
7.36
5.7

67.95

8+50 end fence 7.8 ft

8+40 of gar 11.5 ft

8+28 PA 20

8+00.5 8.8 ft. by fence

8+00.5 of gar 11.6 ft dirt floor

8+00

7+98 13.6 ft

7+82 Ramp 13.6 ft

7+77 of gar 14.5 ft

60.63
~~57.95~~

54.2
6.4
7.5

54.2
6.4

54.7
5.9
7.5
55.10
5.53
11.5

56.7
3.9
11.6 ft 56.2
4.4
7.5

55.9
4.7

55.9
4.7
7.5

56.69
3.94
13.6

56.78
3.85
5.6
11.0
3.94
13.6

57.16
3.45
14.5
57.32
3.31
16.5

60.63

8.75 beg AC Paring 7.5 RT
 10.00 last of a row of trees 7.8 that will not
 interfere with placing headers
 9+83 end of fence 8.2

50.9 51.9 51.9
 9.7 9.7 8.7
 8.5 7.8 7.5
 5.85
 8.6 52.0

9+70 end of bldg 9.6 LT
 9+65 beg fence 8.2 R.
 9+54 beg bldg 9.6 LT

51.8 51.9 52.3 52.3 52.5
 8.8 8.7 8.3 8.3 8.1
 9.6 8.0 7.5 7.5 7.5

9+52 5.6 LT PA 234

9+50

52.3 52.4 52.5
 8.2 8.2 8.1
 7.5 7.5 7.5

9+48 9.9 RT 11.3 RT
 9+25 7.5 RT end of AC Paring

53.18 53.18
 7.5 7.5
 52.9 52.1 53.3 52.88
 7.7 7.5 7.7 7.75
 7.5 7.5 7.5

8+75 beg AC Paring 7.5

8+63 9.9 RT 11.5 RT & 12.7 LT dirt

54.0 54.0
 6.6 6.6
 12.6 12.6
 53.78 53.78
 6.85 6.85
 7.5 7.5
 54.65 54.65
 5.98 5.98
 11.5 11.5

60.63

60.63

10+50 Pk AR 212

51.4
4.7
7.5
51.3
4.8
7.5
51.3

10+40 7.3 beg conc slab

51.09 51.0
5.09 - 5.1
13.3 7.3
floor of slab

10+31 End wall on Lt.

51.3 52.50 51.6 51.6
4.8 3.62 4.3 4.5 4.5
8.0 7.5 7.5 7.5
wall

Note - This rod should be 5.45

T.P. 5.45 56.12 9.96 50.67

56.12
~~55.12~~

Note - (10+46 - 18' Rt. = End Cor. Same El. ev. as at 10+10)

10+10 7.5 Rt beg AC Ramp
18' Rt. = Cor. Conc. Floor

51.9 52.1
8.7 8.5
7.5 floor
A.C. 18.5

10+62 6.3 Rt of 2 1/2 walk

52.0 52.0
8.6 8.6
6.3 7.5

10+00 5 beg conc wall 7.5 Lt

52.1
8.5
7.5

60.63

60.63

10+90

29' 12t = ^{floor} sing. Gar. Conu.

52.61

55.00

50.44
4.56
29
Car floor

B.M.#2 2.39

55.00
~~54.00~~ 3.57 ~~51.61~~

bracket holder P# 6849

11+00

49.3

49.7

50.0

10+90

6.8

6.4

6.1

10+85

15.5 15.5 12t

7.5

7.5

50.76

5.36

15.5

51.57

51.69

10+85

16.6 16.6 = end apron

4.33
16.6

4.43
22

10+71

6.0 6.0 12t dead 07.07

10+60

16.7 16.7 = start Conu. Apron

51.98

52.12

4.14
16.7

4.00
22.7

56.12
~~55.12~~

56.12
~~55.12~~

Alley East of BIK "A"
South La Jolla.

sketch - Page 41 2/28/55

1+06 7⁸ Lt. = start lath fence.

1+05 8² Lt. = pier for house

1+03 - 7⁴ Lt. = end wall.

1+00⁵ 7⁴ Rt. = start 4" Conc. wall.

1+00 = end of Existing Conc. Pavc.

0+80 on existing Conc. Pavc.

0+00 = Nly. line. Bon Air

49.3	48.6	47.3	47.2	47.6	48.0	48.4
5.7	6.4	7.7	7.8	7.4	7.0	6.6
10	7.5	6		6	7.5	8.2

48.36	46.9
6.64	8.1
7.4	7.4
7.4	8.4

48.33	46.70
6.67	8.3
7.4	7.4
7.4	8.4

41.00	46.71	47.27
7.94	8.29	7.73
7.5		7.5

46.98	46.27	46.81
8.52	8.73	8.19
7.5		7.5

A from
p-55

55.00

1+74- 7^E Lt. = end lath fence.

1+45.03 = ^{line} Alley to east.

44.9	50.1	49.6	49.7	50.0
5.1	4.9	5.4	5.3	5.0
10	75	6		75

1+37.53 = Z Alley to East

50.4	49.6	49.7	49.8
4.6	5.4	5.3	5.2
75	6		75

1+31 - 7³ Lt. = P. pole. P.A. 6849

1+30.03 = sly line Alley to East.

49.7	50.3	49.1	49.2	49.2
5.3	4.7	5.9	5.8	5.8
10	75	6		75

1+22 8⁴ Rt. = N.W. Cor. House

49.1
5.9
84

1+19- 8⁴ Rt. = Pier for House

48.4
6.6
84

1+15 - 8⁴ Rt. = pier for House

48.3
6.7
84

55.00

T.P. 6.32 54.37 6.95 48.05
~~53.37~~ ~~47.05~~

2+50

50.0 50.2 50.4 51.7 52.0
 5.0 1.8 4.6 3.3 2.0
 75 6 75 15

2+30

50.7 50.5 50.8 51.7
 4.3 4.5 4.2 3.3
 75 6 75

8³ Lt. = start board fence

2+25 7⁴ Lt. = end wall.

49.3 50.5
 5.7 4.5
 75 75
 B.W.

2+24 - 8⁶ Rt. = end fence

2+09 = 7⁵ Lt. = 4' opening thru wall.

49.87 51.3
 75
 Walk thru wall.

2+00

50.3 50.2 50.3 51.1 51.4
 4.7 4.8 4.7 3.9 3.6
 75 6 75 10

1+88 8³ Rt. = start board fence.

1+75 - 7⁵ Lt. = start 5' high. Conc. wall

49.0 50.3 50.1 50.2 50.8 51.3
 6.0 4.7 4.9 4.8 4.2 3.7
 75 75 6 75 9
 B.W.

55.00

T.P.	8.10	84.12	2.40	76.02
T.P.	10.14	78.42	1.50	68.28
	10.26	69.78	—	59.52 ←

Orig. B.M.			4.32	59.53 58.53
T.P.	6.70	63.85 62.85	1.67	57.15 56.15
T.P.	11.81	58.84 57.84	9.04	47.03 46.03
T.P.	12.55	56.07 55.07	10.85	43.52 42.52

sw B.P. Monte Vista + Belvedere
should be 59.52 see page 42

2+85⁰⁶ = sly ob. line Nautilus

8.54	9.01	6.90	6.23	5.63	4.10	3.61
275	275	75		75	275	275
ob.	G	ob. P.I.		ob. P.I.	G	ob

7⁴⁵ RT } = start conc. curbs.
7⁴⁵ LT }
= start conc. Pavc.

2+75⁰⁶ = sly line Nautilus

6.0	6.06	6.13	6.13	5.62	5.04	5.0
75	745	745		745	745	75
End	ob.	G		G	ob.	End.

2+74 - 7⁰ Lt = B. pole # A6891

2+73 8⁴ Lt = end fence.

2+70

5.3	5.3	5.2	2.9	2.0
75		6	75	15

54.37

T.P. 4.16 56.19 6.56 52.03

± Cor. 16.5 RT.
7477 - P. 52 1.26 57.33

57.33 - on P. - 52

T.P. 1.67 58.59 8.98 56.92

Ramp. 99 RT.
5435 - P. A8 2.57 63.33

63.33 on P. 48

T.P. 0.59 65.90 4.03 65.31

T.P. - P. A8 - = 65.31 ✓

Page 47
18A4 of 422 3.25 66.09

± door. P. 47 - EL. = 66.17

T.P. 3.18 69.34 7.55 66.16

(7.9 RT - 04)
1458 - P. 44 0.85 72.86

72.89 07 P. 44

T.P. 1.54 73.71 8.97 72.17

0 + 00 - P. A2 S.S. 5.17 75.97

75.93 - P. A2

T.P. 3.82 81.14 6.80 77.32

T.P. #3 - P. A2

S.S. — — 5.36 78.76

78.76 = T.P. #2 Page A2

84.12

E

3.58 52.61

B.M.#2 P.55

162 Rt. = end apron
10+85

4.65 51.54

50.69 on P.55

162 Rt. = Conc. apron
10+60 - P.55

4.26 51.93

51.12 on P.55

18⁵ Rt. = A.C. Cor. Floor
10+10 - P.54

3.9 52.3±

52.13± P.54

56.19

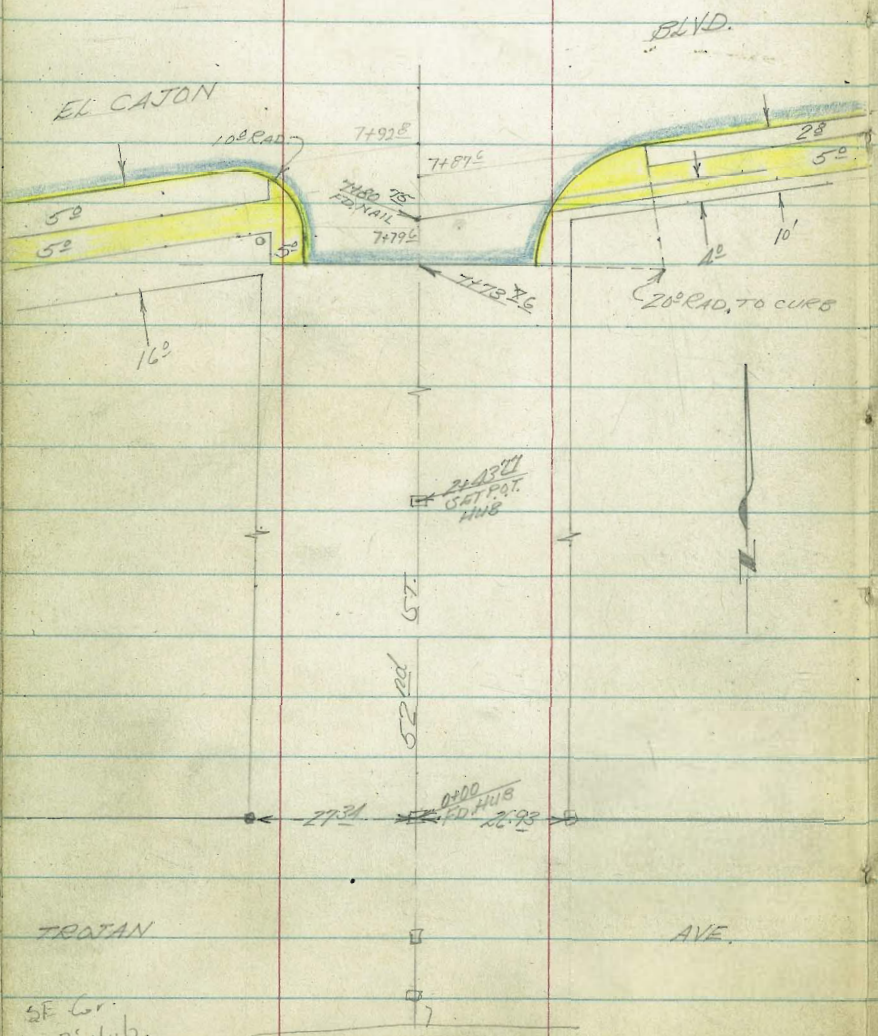
7-SEC. 52ND TROJAN AVE. TO EL CAJON BLVD.

COTA
KELLEY
PULLEN
7-11-55
W.O. # 32308

INDEXED
M.E.R.

JUL 12 1955

NOTE: SEE E.B. 2066 Pg. 18 FOR MORE DETAIL



EL CAJON BLVD. - WEST OF 52ND
 100' STREET
 72' ROADWAY
 5' C.B. TO WALK
 5' WIDE WALK
 10' C.B. RADIUS
 A.C. PAVING

EL CAJON BLVD. EAST OF 52ND
 100' ST.
 80' ROADWAY
 20' RADIUS ON C.B.
 28' C.B. TO WALK
 50' WIDE WALK
 A.C. PAVING

REFERENCES
 E.B. 2066 Pgs. 18 & 19, 48
 T.P. BOOK 28 Pgs. 18 & 37
 T.P. SHEET 3673

TROJAN AVE
 60' STREET
 NO PAVING

2734
 2693

 2727

See FB 2358 Pg 5
 For Storm Drain

2734
 2693

 5427

SE Cr.
 7' Hub.
 51.5'

Lt.
(WEST)

¢

Rt.
(EAST)

0-110

	319.01				
	131	125	13.0	128	122
	50	25		25	50

0-152 & crosses sewer M.H. ✓

323.91
8.20
R.M.

0-160

	319.11		320.91		
	13.0	13.0	11.2	9.2	9.3
	50	45	25	25	50

332.11 H.I.

(set B.M. (side shot.) A56 327.55 on P.K. nail on telephone pole
(S.W. Cor. 52nd & Trojan (Pole #554561 H))

A51 332.11 H.I. 1148 327.60 Hub at 04 00

0.1A 339.08 12.92 338.94

0.15 357.86 12.91 357.71

2.83 314.62 12.96 361.79

0.07 374.75 13.29 374.68

B.M. 1.15 387.97 386.82 S.W.B.P. 51st & El Cajon

0+00 N¹/₄ Prop Line Trojan

L.T. (West.)				Pt. (East)		
331.9	328.3	327.7	327.9	320.83	327.2	326.8
0.2	3.8	4.4	4.2	11.48	4.9	5.3
50	24	13	Dirt	40.6	25	50

0-07

328.0	327.5	327.4	326.9	326.3
4.1	4.6	4.7	5.2	5.8
50	25		25	50

0-30 1st West to ϕ sewer M.H.

329.0	327.5	326.5	325.91	326.1	326.1	325.9	325.6
3.1	4.6	5.1	6.20	6.0	6.0	6.3	6.5
75	50	25	10 Rim M.H.		25	50	75

0-50 30th West to ϕ Tel. Pole #534561 H.

0-51

326.3	325.7	324.8	324.9	324.7
5.8	6.4	7.3	7.2	7.4
50	25		25	50

0-60 S¹/₄ Line Trojan

321.9	321.9	324.9	324.1	324.3	322.8	322.8
10.2	10.2	7.2	8.0	7.8	9.3	9.3
50	37	23		25	32	50

0-75

320.2	320.5	322.4	322.8	322.2	322.1
11.9	14.6	9.7	9.8	9.9	10.0
50	22	13		25	50

332.11 H.I.

Lt. E Rt.

0+00

	3416.7												
	342.1	342.6	340.7	341.2	341.5	341.1	342.1	339.9	334.0	332.9			
	1.2	1.7	3.6	3.1	2.8	3.2	2.2	1.4	10.3	11.1			
	50	22	13.5	13	9	11	19	27	29	50			

0+51 27° Lt. end lath fence ✓

0+50

	337.6												
	336.0	334.0	333.0	332.9	333.5	333.2	330.9	330.3					
	6.7	8.3	10.3	10.3	11.1	10.8	11.1	13.1	14.0				
	50	27	12		15	20	28	31	50				

0+49 27° Lt. to E 30° wide conc. walk ✓

	337.57								
	336.04								
	6.70	8.23							
	50	27.3							
		11.0							

0+42 27° Lt. begin 12° wide dirt drive to house ✓

	336.9								
	334.9								
	7.1	9.1							
	50	27							

T.P. 12.33 341.27 H.L. 0.17 331.9A

341.27 H.L.

0+01 27° Lt. begin 50 high lath fence ✓

147A

lt.	ft.	rt.
358.7 345.0	350.4 343.8	354.0 347.4
354.0 347.4	353.7 347.1	354.0 347.4
349.1 336.5	344.7 332.1	339.7 327.1
+1.7	0.5	2.9
A2	27	12
		8
		16
		27
		50
		100

1468 27th ft. to 10th wide dirt drive to single Garage ✓

358.7 346.07	356.30 343.7
+1.8	0.6
A2	27
dirt	
Floor	

1451 27th ft. begin 8th high wire fence ✓

1450

356.80 349.2	352.4 344.8	349.9 342.3	349.8 342.2	349.6 342.0	350.6 343.0	345.7 338.1	342.4 334.8
0.1	3.5	7.0	7.1	7.3	6.3	11.2	14.5
50	27	13		9	17	27	50

1416

354.9 347.3	349.6 342.0	345.0 337.4	343.0 335.4	344.1 336.5	344.1 336.5	343.8 336.2	344.0 336.4	341.8 334.2	338.7 331.1
2.0	7.3	11.9	13.1	12.8	12.8	13.1	12.1	15.1	18.2
50	27	14	12	9		10	18	27	50

T.P.

12.79 356.90 H.I. 0.10 344.11

356.90 H.I.

1412

354.77	349.1	348.8	342.8	343.3	343.5	343.1	344.1	341.6	334.0	333.5
+10.5	+4.8	+0.5	1.5	1.0	0.8	1.2	0.7	2.7	10.3	11.1
50	27	14	13	9		10	18	27	50	50

344.27 H.I.

2+75

	Lt.	±	Rt.
	375.9	370.8	364.3
	364.0	363.7	364.2
	352.9	354.9	354.7
	+8.5	+3.1	3.4
	3.7	3.2	4.5
	12.5	15.7	
	50	20	14
		7	16
			20
			34
			50

2+65

	375.4	370.4	364.12
	363.8	363.6	364.4
	356.4	359.1	357.3
	+8.0	+3.0	3.3
	3.6	3.8	3.0
	11.0	10.3	16.1
	50	25	14
		7	10
			12
			32
			50

2+20

	372.2	368.6	365.4
	360.4	360.4	360.4
	360.4	360.4	360.4
	+4.8	+1.2	2.0
	7.0	6.6	6.7
	6.1	12.1	13.3
	18.8		
	50	27	18
			14
			6
			11
			15
			35
			50

2+00 26^E ft. end wire fence ✓

1490 { 10^E Rt. begin 3⁵ high wood guard rail ✓
 & 18 Rt. top Sewer M.H. ✓

357.03
 10.39
 18
 Rim

T.P.

11.14 367.42 4.1 0.12 356.28

1477

	363.3	362.3	358.9	357.9 OK	354.2 OK	354.5 OK	354.4 OK	354.4 OK	348.9 OK	345.1 OK
	+6.4	+2.0	2.0	2.6	2.4	2.5	2.2	8.7	11.8	
	42	22	17	12		8	16	30	50	

356.90 H.I.

Lt. \$ Rt.

T.P. 127 367.31411 1.33 366.09

367.31411

3450

37972	37901	3693	3621	3618	3615	3607	3521	3499
+68	+2.7	4.1	53	56	59	9.2	153	175
50	33	20	15		7	27	40	50

3424

3756	3691	3696	3629	3627	3623	3637	3554	3502
+8.7	+1.7	+1.2	45	47	5.1	37	12.0	17.2
52	41	20	14		8	17	29	50

3400

3764	3690	3673	3678	3635	3631	3638	3566	3519
+9.0	+0.6	0.1	3.1	5.9	4.3	3.6	10.8	15.5
55	40	18	14		8	19	27	50

2+84

37140	3744	3666	3643	3639	3626	3636	3564	3519
+8.6	+7.0	0.8	3.1	3.5	3.8	3.8	11.0	15.5
50	44	26	14		7	16	28	50

2+78 9¹/₂ Rt. end guard rail

367.4241

Lt. ♀ Rt.

5426

371.0	366.8	362.6	361.7	361.2	360.9	361.4	364.2
+3.7	0.5	4.7	5.6	6.1	6.4	5.9	3.1
50	32	24	16		13	27	50

5400

370.5	369.0	367.3	361.0	360.5	360.1	361.4	362.0
+3.2	0.3	5.0	6.3	6.8	6.7	5.9	6.3
50	32	24	16		11	17	43

4498 10⁸ Rt. to invert 8" diam. conc. pipe.
(drain outlet) - invert rod = 8.06

4445

359.25

370.4	365.0	360.7	360.3	359.9	360.8	361.3
+3.1	2.3	6.6	7.0	7.4	6.5	6.0
50	21	18		7	12	50

3497

372.0	369.2	361.1	360.8	360.5	361.0	361.1	360.9	354.8
+4.7	0.0	6.2	6.5	6.8	6.3	6.2	6.4	12.5
50	26	17		7	9	30	40	50

3495

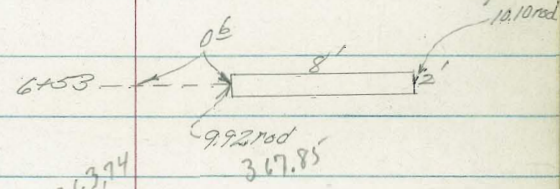
372.1	369.1	361.3	360.8	360.6	361.3	360.9	360.5	365.1	354.0
+4.8	0.2	6.1	6.5	6.7	6.0	6.4	2.8	2.2	13.3
50	26	17		7	8	18	25	32	50

3459

372.3	368.3	361.9	361.6	361.3	358.8	362.1	351.9	349.4
+6.0	+1.0	5.4	5.7	6.0	8.5	5.2	15.4	17.9
50	24	16		7	18	25	41	50

367.31 + 1.

6+53 0.6 Rt. to edge traffic Treadle →



6+18 15.8 ft. to invert 8" diam. conc pipe drain inlet

367.74
14.13
15.8
invert

T.P. 13.26 377.77 H.I. 2.80 364.51

377.77 H.I.

5+94 17.6 Lt. begin 2' wide conc walk-walk runs along 52nd st.

377.23	377.15	369.2	364.5	364.51	364.0	363.5	363.2	364.0	364.2	364.6
15.0	14.2	1.9	2.8	2.80	3.3	3.8	4.1	3.3	+1.9	+2.3
50	34	26	25	17.6	17.6		12	24	33	50
				Conc. Ditch						
				WK.						

5+60

	362.7	362.0	361.8	362.4	362.2	362.2
DRIVE	4.6	5.3	5.5	4.9	+0.9	+0.9
			14	27	35	50

5+45

	362.3	361.6	361.3	362.7	364.7
DRIVE	5.0	5.7	6.0	4.6	2.6
	16.5		14	31	50

Note! see F.B. 2066 Pg 68 for location & Elev. of improvements starting at 5+21.73

367.31 H.I.

7468⁵ 128⁸ Lt. to edge of conc. slab ✓

7445 113³ Lt. to edge 6" wide conc. slab. ✓

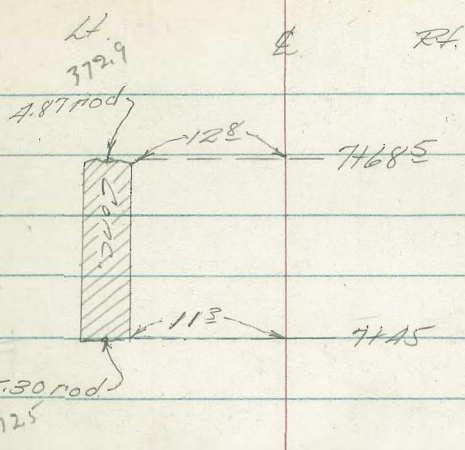
7425

7421⁵ 11" Lt. end 2" wide conc. wk. ✓

7407⁵ 195 Lt. to ♀ guy pole ✓

7400

6150



3742	3731	3723	3719	3716	372.5	372.6
3.6	4.7	5.5	5.9	6.7	5.3	5.2
50	21	10		18	35	50

371.85
5.92
76°
edge
wk.

373.6	3730	3725	3704	3704	3698	370.6	370.2	370.8	371.9	372.1
4.2	4.8	5.3	7.4	7.33	8.0	7.2	7.6	7.0	5.9	5.7
40	26	22	1.9	16.1	13		12	21	37	50

edge
wk.

3732	372.5	3691	3671	365.97	366.7	367.5	367.3	366.7	370.9	370.7
4.6	5.3	10.7	10.66	11.8	11.1	10.3	10.5	11.1	7.1	7.1
50	28	20	17	16	12		10	16	28	50

edge
wk.

377.77 H.L.

Lt. \$ Rt.

7491 35⁸ Rt. to \$ metal Pole for traffic signals

7487⁶ { Section taken along cb. line
East curb line produced, crosses \$
El Cajon

7486 25² Lt. to \$ Power Pole #5199 ✓

7481 6³ Rt. to \$ Sewer Mt. ✓

7479⁶ 18⁰ Lt. to B.C. of curb return ✓

7473⁶ { 19⁶ Lt. to \$ Metal Pole for traffic signals
18⁶ Rt. to end of curb } taken at Rt.
17² Lt. to end of curb } angles to \$

373.87
373.45
373.32
373.95 \$ inlet opening
373.60
372.62
117 5.15
97.7 97.7
cb 94.7
373.90 1.32 1.15 3.82 1.60 1.00
21 35.3 35.3 50 50
94.7 cb 94.7 cb.
B.C. Return

373.7
1.10
6.3
Rim

373.79
373.25
3.98 1.52
18.0 18.0
cb. gut.

374.20	373.73	373.52	373.00	373.59	373.61	373.49	373.05	373.68	373.8
357	4.01	1.25	1.77	1.20	1.30	1.72	1.09	4.0	
40	22.7	17.7	17.7	9	9	18.6	18.6	40	
	edge	top	Gut.			94.7	cb.	top	
	wk.	cb.							

377.77 H.I.

Lt. \$ Rt.

74.89	75.46
73.63	74.41
<hr/>	
.46	.58

377.77
5.3
<hr/>
375.46

SEE SKETCH PG 7A FOR DETAIL OF DRAIN

SOIL SAMPLE TAKEN

270 386.82 = 386.82 SW. C.P. 51st & El Cajon.

T.P. 12.01 387.52 026 377.51

\$ El Cajon Blvd

375.14	374.92	374.76	374.63	374.57
263	285	301	314	320
50	25		25	50

374.88	375.46
2.89	2.31
75	75
94	06

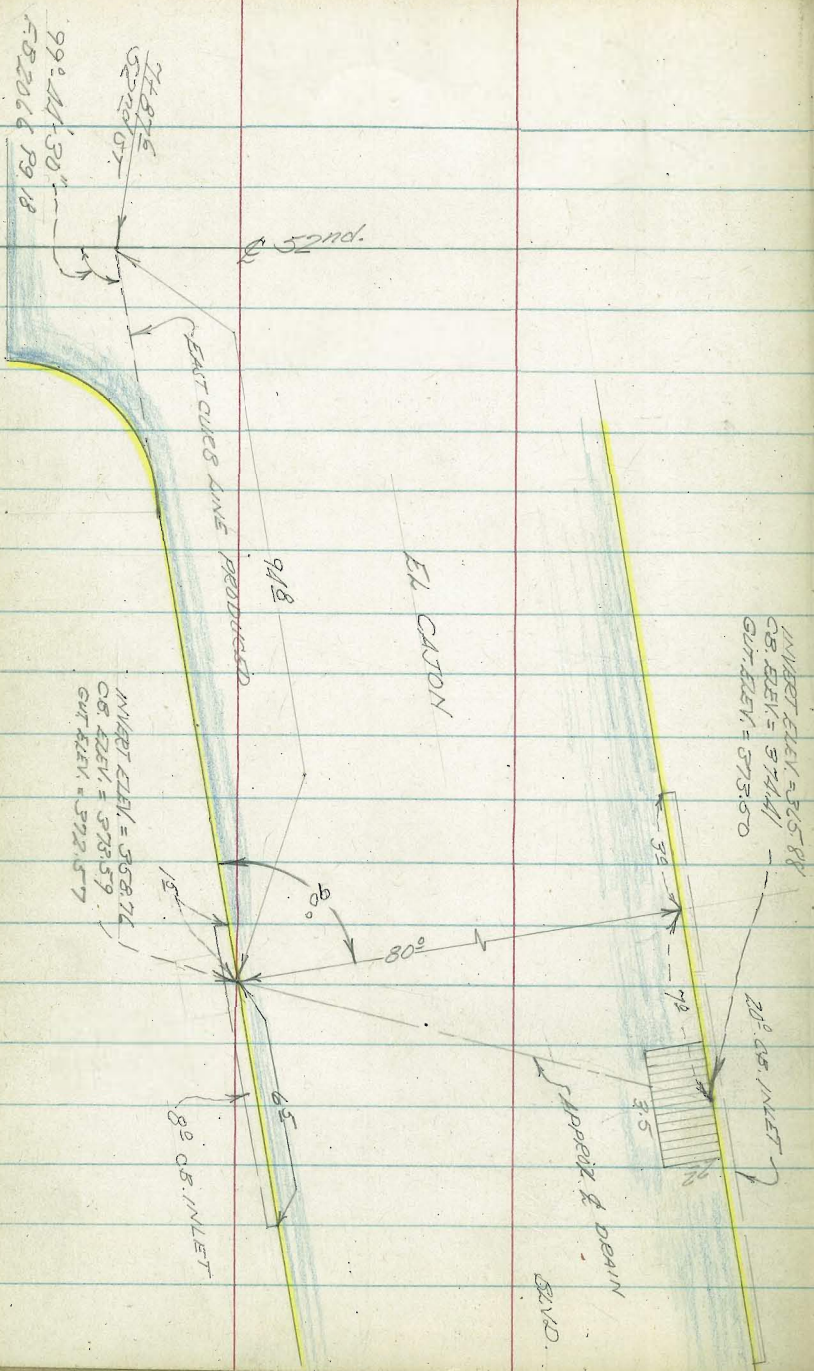
374.09	373.63	374.09	373.52	373.65	373.96
368	414	368	475	412	381
13	13	282	282	19	
06.	94	06	94		

B.C. of return

377.77 + 1.

74928 } section taken along curb line
 West curb line El Cajon, Produced
 crosses \$

413



332.85 E. 1/2 Sec.
 120.00 NWBP
 Bellowe & Co., Survey

337
 175
 5162



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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