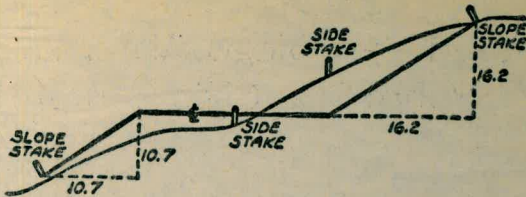


Please Return to
 City of San Diego Water Dept.
 Room 903 Civic Center



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 out 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.

MICROFILMED

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

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

FOR TANGENTS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.03	.06	.09	.13	.16	.19	.22	.25	.28	.31	.34	.38	.42	.46
15°	.04	.10	.14	.19	.24	.29	.34	.39	.45	.51	.53	.58	.63	.68
20°	.06	.13	.19	.26	.32	.39	.45	.51	.58	.65	.72	.79	.84	.90
25°	.08	.16	.24	.33	.40	.49	.58	.67	.75	.83	.90	.99	1.06	1.14
30°	.10	.19	.29	.39	.49	.59	.69	.79	.89	.99	1.09	1.20	1.29	1.39
35°	.11	.22	.34	.47	.58	.69	.79	.89	.99	1.04	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	.771	.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

Alvarado Roof Shots 1-18 ✓
 El Monte Pl. Levels Check 19 ✓
 since

Cont From FB 785 page 148

5461 ¹⁵

H: 538.134

Wall Copings		Coping Wall	
N 106.50	5.898	S 126.50	5.868
N 106.00	5.450	S 126.00	5.415
N 96.33	5.468	S 116.33	5.419
N 86.66	5.342	S 106.66	5.332
N 77.00	5.372	S 97.00	5.316
N 67.33	5.248	S 87.33	5.233
N 57.66	5.240	S 77.66	5.242
N 48.00	5.112	S 68.00	5.150
N 38.33	5.147	S 58.33	5.150
N 28.66	5.038	S 48.66	5.048
N 19.00	5.047	S 39.00	5.042
N 9.33	5.039	S 29.33	4.950
Axis	4.938	S 19.66	4.948
		S 10.00	4.839

5474 ²⁷

13 Jan 53

2

H: 538.134

Coping Wall		Coping Wall	
N 106.50	5.884	S 126.50	5.862
N 106.00	5.447	S 126.00	5.415
N 96.33	5.472	S 116.33	5.419
N 86.66	5.360	S 106.66	5.356
N 77.00	5.379	S 97.00	5.342
N 67.33	5.248	S 87.33	5.263
N 57.66	5.262	S 77.66	5.258
N 48.00	5.156	S 68.00	5.163
N 38.33	5.183	S 58.33	5.147
N 28.66	5.064	S 48.66	5.068
N 19.00	5.079	S 39.00	5.053
N 9.33	4.987	S 29.33	4.962
Axis	4.980	S 19.66	4.953
		S 10.00	4.865

Hi: 538.134

Coping Wall	Coping Wall
N106.50 5.884	S126.50 5.875
N106.00 5.440	S126.00 5.418
N96.33 5.458	S116.33 5.409
N86.66 5.342	S106.66 5.342
N77.00 5.367	S97.00 5.340
N67.33 5.240	S87.33 5.262
N57.66 5.251	S77.66 5.247
N48.00 5.148	S68.00 5.161
N38.33 5.164	S58.33 5.151
N28.66 5.051	S48.66 5.062
N19.00 5.051	S39.00 5.053
N9.33 4.940	S29.33 4.973
Axis 4.938	S19.66 4.962
	S10.00 4.860

Hi: 538.134

Coping Wall	Coping Wall
N106.50 5.878	S126.66 5.878
N106.00 5.448	S126.00 5.415
N96.33 5.460	S116.33 5.419
N86.66 5.355	S106.66 5.351
N77.00 5.381	S97.00 5.351
N67.33 5.253	S87.33 5.276
N57.66 5.276	S77.66 5.243
N48.00 5.163	S68.00 5.168
N38.33 5.173	S58.33 5.163
N28.66 5.062	S48.66 5.075
N19.00 5.078	S39.00 5.058
N9.33 4.989	S29.33 4.962
Axis 4.974	S19.66 4.956
	S10.00 4.868

5

6. + 13⁶¹

111

H: 538.134

Openings Wall	Openings Wall
N 106.50 5.902	N 106.50 5.865
N 106.00 5.448	N 106.00 5.418
N 96.33 5.462	N 96.33 5.431
N 86.66 5.332	N 86.66 5.340
N 77.00 5.382	N 77.00 5.342
N 67.33 5.228	N 67.33 5.252
N 57.66 5.255	N 57.66 5.247
N 48.00 5.133	N 48.00 5.144
N 38.33 5.154	N 38.33 5.138
N 28.66 5.031	N 28.66 5.048
N 19.00 5.027	N 19.00 5.048
N 9.33 4.936	N 9.33 4.946
Axis 4.961	N 19.66 4.945
	N 10.00 4.853

6 + 26⁷³

6

H: = 538.134

Cup	Openings Wall
N 106.50 5.898	N 106.50 5.862
N 106.00 5.458	N 106.50 5.428
N 96.33 5.470	N 96.33 5.449
N 86.66 5.335	N 86.66 5.370
N 77.00 5.374	N 77.00 5.361
N 67.33 5.258	N 67.33 5.252
N 57.66 5.275	N 57.66 5.250
N 48.00 5.170	N 48.00 5.182
N 38.33 5.192	N 38.33 5.154
N 28.66 5.078	N 28.66 5.070
N 19.00 5.092	N 19.00 5.071
N 9.33 4.877	N 9.33 4.978
Axis 4.993	N 19.66 4.989
	N 10.00 4.876

1.742 536392

530,390 AM

7 Alvarado Res Roof Shots Dent West
 6 + 39 84 martell
 536.390 BM on Dam Varon Foley
 + 1.740
 Hi = 538.130 16 Jan 53

6 + 52 96

8

Opening Wall	Opening Wall
N106.50 5.872	S126.50 5.876
N106.00 5.454	S126.00 5.435
N96.33 5.466	S116.33 5.422
N86.66 5.328	S106.66 5.343
N77.00 5.368	S97.00 5.338
N67.33 5.263	S87.33 5.265
N57.66 5.269	S77.66 5.267
N48.00 5.160	S68.00 5.168
N38.33 5.178	S58.33 5.159
N28.66 5.074	S48.66 5.066
N19.00 5.091	S39.00 5.080
N9.33 4.991	S29.33 4.988
Axis 4.983	S19.66 4.967
	S10.00 4.869

Opening Wall	Opening Wall
N106.50 5.868	S126.50 5.871
N106.00 5.441	S126.00 5.413
N96.33 5.452	S116.33 5.430
N86.66 5.340	S106.66 5.360
N77.00 5.368	S97.00 5.341
N67.33 5.262	S87.33 5.269
N57.66 5.272	S77.66 5.255
N48.00 5.192	S68.00 5.183
N38.33 5.198	S58.33 5.178
N28.66 5.083	S48.66 5.087
N19.00 5.091	S39.00 5.083
N9.33 4.978	S29.33 4.984
Axis 4.979	S19.66 4.973
	S10.00 4.872

H: 538.130

Coping Wall	Coping Wall
N 106.50 5.878	S 126.50 5.880
N 106.00 5.448	S 126.00 5.421
N 96.33 5.461	S 116.33 5.423
N 86.66 5.349	S 106.66 5.347
N 77.00 5.395	S 97.00 5.334
N 67.33 5.242	S 87.33 5.250
N 57.66 5.260	S 77.66 5.230
N 48.00 5.143	S 68.00 5.143
N 38.33 5.168	S 58.33 5.148
N 28.66 5.032	S 48.66 5.045
N 19.00 5.034	S 39.00 5.039
N 9.33 4.943	S 29.33 4.952
AXIS 4.943	S 19.66 4.939
	S 10.00 4.843

H: = 538.130

Coping Wall	Coping Wall
N 106.50 5.899	S 126.50 5.882
N 106.00 5.462	S 126.00 5.447
N 96.33 5.492	S 116.33 5.435
N 86.66 5.371	S 106.66 5.379
N 77.00 5.388	S 97.00 5.370
N 67.33 5.275	S 87.33 5.292
N 57.66 5.272	S 77.66 5.268
N 48.00 5.169	S 68.00 5.165
N 38.33 5.169	S 58.33 5.142
N 28.66 5.082	S 48.66 5.068
N 19.00 5.044	S 39.00 5.029
N 9.33 4.953	S 29.33 4.971
AXIS 4.953	S 19.66 4.972
	S 10.00 4.884

H: 538.130

Coping Wall		Coping Wall	
N106.50	5.903	5126.50	5.880
N106.00	5.470	5126.00	5.442
N96.33	5.492	5116.33	5.440
N86.66	5.368	5106.66	5.343
N77.00	5.378	597.00	5.325
N67.33	5.281	587.33	5.258
N57.66	5.242	577.66	5.212
N48.00	5.162	568.00	5.139
N38.33	5.159	558.33	5.128
N28.66	5.064	548.66	5.036
N19.00	5.060	539.00	5.029
N9.33	4.954	529.33	4.972
AX16	4.958	519.66	4.964
		510.00	4.871

H:

Coping Wall		Coping Wall	
N106.50	5.899	5126.50	5.875
N106.00	5.466	5126.00	5.447
N96.33	5.485	5116.33	5.440
N86.66	5.362	5106.66	5.351
N77.00	5.383	597.00	5.349
N67.33	5.279	587.33	5.262
N57.66	5.264	577.66	5.236
N48.00	5.162	568.00	5.149
N38.33	5.167	558.33	5.139
N28.66	5.092	548.66	5.029
N19.00	5.063	539.00	5.020
N9.33	4.966	529.33	4.968
AX15	4.953	519.66	4.950
		510.00	4.858

Hi = 538,130

Coping Wall		Coping Wall	
406.50	5.889	5126.50	5.878
406.00	5.460	5126.00	5.449
496.33	5.473	5116.33	5.422
486.66	5.343	5106.66	5.339
477.00	5.368	597.00	5.333
467.33	5.273	587.33	5.252
457.66	5.248	577.66	5.266
448.00	5.148	568.00	5.152
438.33	5.160	558.33	5.144
428.66	5.061	548.66	5.042
419.00	5.050	539.00	5.052
4933	4.953	529.33	4.930
Axis	4.950	519.66	4.944
		510.00	4.859

Hi = 538,130

Coping Wall		Coping Wall	
406.50	5.899	5126.50	5.871
406.00	5.442	5126.00	5.439
496.33	5.442	5116.33	5.442
486.66	5.372	5106.66	5.361
477.00	5.378	597.00	5.335
467.33	5.262	587.33	5.262
457.66	5.263	577.66	5.259
448.00	5.173	568.00	5.174
438.33	5.150	558.33	5.143
428.66	5.079	548.66	5.054
419.00	5.049	539.00	5.035
4933	4.958	529.33	4.967
Axis	4.940	519.66	4.983
		510.00	4.878

Hi = 538.130

Coping Wall	Coping Wall
N106.50 5.873	S126.50 5.857
N106.00 5.425	S126.00 5.429
N96.33 5.421	S116.33 5.429
N86.66 5.342	S106.66 5.358
N77.00 5.369	S97.00 5.340
N67.33 5.238	S87.33 5.261
N57.66 5.253	S77.66 5.225
N48.00 5.166	S68.00 5.116
N38.33 5.162	S58.33 5.107
N28.66 5.081	S48.66 5.048
N19.00 5.046	S39.00 5.051
N9.33 4.948	S29.33 4.951
Ax16 4.912	S19.66 4.928
	S10.00 4.830

Hi = 538.130

Coping Wall	Coping Wall
N106.50 5.839	S126.50 5.871
N106.00 5.395	S126.00 5.448
N96.33 5.388	S116.33 5.407
N86.66 5.343	S106.66 5.345
N77.00 5.355	S97.00 5.332
N67.33 5.259	S87.33 5.259
N57.66 5.235	S77.66 5.242
N48.00 5.140	S68.00 5.153
N38.33 5.143	S58.33 5.120
N28.66 5.069	S48.66 5.043
N19.00 5.040	S39.00 5.025
N9.33 4.958	S29.33 4.943
Ax16 4.933	S19.66 4.943
	S10.00 4.855

17

7 + 7086

N1

538.130

	Copies Wall		Copies Wall
N	92.00	5,810	5112.0 5,725
N	86.66	5,323	5106.66 5,344
N	77.00	5,291	597.00 5,304
N	407.33	5,228	687.33 5,215
N	57.66	5,212	372.66 5,187
N	48.00	5,138	568.00 5,123
N	38.33	5,110	558.33 5,102
N	28.66	5,054	548.66 5,051
N	19.00	5,018	539.00 5,017
N	9.33	4,955	529.33 4,945
N	Axis	4,923	519.66 4,929
N			510.00 4,850

18

Check Levels El Monte

PL

Sta	I	Hi	Elev
	1.17	495.00	493.83
	4.04	487.95	11.19 483.81
	1.67	481.01	8.51 479.34
	3.87	476.95	7.93 473.08
	0.98	473.11	4.82 472.13 =
	3.55	465.19	11.47 461.64
	12.93	478.07	0.05 463.14
	13.10	490.86	0.31 477.76
	13.02	502.70	1.78 489.68
	13.00	514.94	0.76 501.94
	11.04	525.34	0.64 514.30
	6.07	519.56	11.85 513.49
		7.58	511.98 =

West
Martell
Varanfakis

19

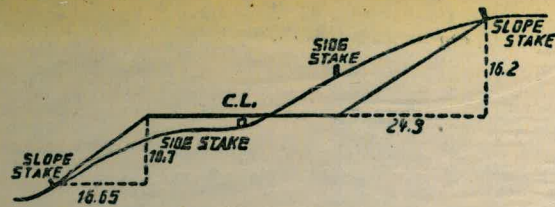
26 Jan 53

□ BM SW Cor 575+32⁵⁰ BM #6

472.11 BM #4 S.W. Cor □ 594+32

511.81 23 21 Sta 614+90 on Rock
painted yellow See P 69 EB 685

Please Return to
 City of San Diego Water Dept.
 Room 903 Civic Center



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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