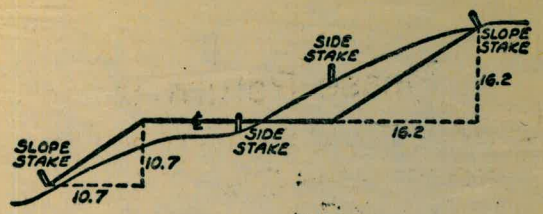
W944



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.

MICROFILMED
JUL 26 1965

Please Return to
City of San Diego Water Dept.
Room ~~903~~ Civic Center
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Bayview Res-

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

INDEX

BAYVIEW RES. - Elev. of Roof Slabs

alice ✓

Bayview Res.
Elev.s on Roof Slabs over Tops of Columns

(See FB 799-61)
" FB 799-66

April 26 1957
Beatty
Smith

			21⅝ WATER
BM	8.501	465.525	457.024
CK BM. FB 799-		6.070	459.455
SW 17		5.662	459.863
SE 17		5.684	459.841
SW 47		5.656	459.869
SE 47		5.674	459.851
SW 77		5.694	459.831
SE 77		5.656	459.869
SW 107		5.706	459.819
SW 122		5.701	459.824
SE 122		5.632	459.893
SW 152		5.644	459.881
SE 152		5.663	459.862
SW 182		5.622	459.903
SW 183		5.468	460.057
SE 153		5.467	460.058
SW 153		5.546	459.979
NE 122		5.536	459.989
NW 122		5.550	459.975

REO. HB

465.525

NE 92	5.523	460.002
SE 78	5.532	459.993
SW 78	5.557	459.968
NE 47	5.528	459.997
NW 47	5.537	459.988
SE 18	5.528	459.997
SW 18	5.478	460.047
NW 18	5.303	459.222
NE 18	5.387	460.138
NE 33	5.403	460.122
SW 64	5.392	460.132
SE 64	5.386	460.139
NE 78	5.401	460.124
NW 108	5.343	460.182
NE 108	5.381	460.144
NW 138	5.323	460.202
NE 138	5.349	460.176
SW 169	5.348	460.177
SE 169	5.307	460.218

REO. HB

Bayview Res
Elev. of Roof Slabs
(Cont.d)

	465.525		
SE 170		5.135	460.390
SW 170		5.162	460.363
SE 140		5.171	460.354
NE 124		5.155	460.370
NW 124		5.192	460.333
SE 95		5.171	460.354
SW 95		5.183	460.342
NE 64		5.246	460.279
NW 64		5.232	460.293
SE 35		5.194	460.331
SW 35		5.235	460.290
NE 4		5.128	460.397
	6.503 465.958		
CK BM	~~6.541~~ ~~465.996~~	6.070	459.455
		5.572	460.386
CK NE 4		~~5.608~~	~~460.388~~
		5.678	460.280
CK SW 35		~~5.714~~	~~460.282~~
NW 20		5.387	460.571
SE 21		5.517	460.441
SE 36		5.445	460.513
SW 66		5.420	460.538
NW 80		5.487	460.471
NW 95		5.450	460.508
NE 95		5.442	460.516
			RED. HB

	465.958	
NW 125	5.468	460.490
NE 125	5.445	460.513
NW 155	5.431	460.527
NE 155	5.452	460.506
NW 185	5.397	460.561
SW 187	5.213	460.745
SW 172	5.252	460.706
SW 157	5.252	460.706
NW 141	5.259	460.699
NW 126	5.305	460.653
NW 111	5.263	460.695
NW 96	5.354	460.604
NW 81	5.301	460.657
NW 66	5.262	460.696
NW 51	5.256	460.702
NW 36	5.308	460.650
NW 21	5.206	460.752
SE 8	5.060	460.898
NW 37	5.086	460.872
		Red. HB

Bayview Res
Elev of Roof Slabs (Cont.d.)

	465.958	
NW 52	5.061	460.897
SW. 68	5.063	460.895
SE 68	5.118	460.840
SW 98	5.077	460,881
SE 98	5.144	460.814
NW 127	5.103	460.855
SW 143	5.022	460,936
SE 143	5.077	460.881
SW 173	5.087	460.871
SW 188	5.025	460.933
SW 189	5.042	460.916
SW 174	5.098	460 860
SW 159	5.093	460.865
SW 144	5.026	460,932
SW 129	5.087	460,871
NE 98	5.098	460.860
SE 84	5.118	460,840
SW 84	5.098	460.860
NW. 68	5.083	460. 875
	6.504	459.454 = .455 REO HB

Bayview Res
Elev. of Roof Slabs

April 30 1957
Beatty
Smith

BM	6.420	465.875	459.455
SE 47		6.032	459.843
SW 47		6.012	459.863
SW 107		6.058	459.817
SW 122		6.061	459.814
SE 152		6.014	459.861
SW 182		5.976	459.899
SE 78		5.888	459.987
SW 78		5.913	459.962
NW 47		5.903	459.972
NE 47		5.891	459.984
SW 64		5.746	460.129
SE 64		5.741	460.134
SW 35		5.588	460.287
SE 21		5.431	460.444
SW 66		5.328	460.547
NW 36		5.225	460.650
SW 173		4.992	460.883
SW 174		5.011	460.864
SW 159		5.004	460.871
			Red. HB

465.875

SW 129		4.996	460.879
NW 174		5.202	460.673
NW 190		5.348	460.527
SW 176		5.397	460.478
NE 25		5.457	460.418
NW 25		5.310	460.565
NW 26		5.504	460.371
NW 41		5.562	460.313
NW 176		5.598	460.277
NW 177		5.771	460.104
NW 147		5.725	460.150
NW 87		5.692	460.183
SW 134		5.892	459.983
NW 148		5.892	459.983
SW 179		5.862	460.013
SW 194		5.861	460.014
NW 59		6.041	459.834
NW 44		6.058	459.817
NW 29		6.032	459.843
CK BM	RED HB	6.421	459.454

BAYVIEW RESERVOIR
ROOF ELEV CHECK

4/15/58
19' WATER

BEATTY
HENKE

BM.	6.280	465.735	459.455			465.735	
NW 29		5.888	459.847	NW 103		5.759	459.976
NW 44		5.913	459.822	NW 88		5.752	459.983
NW 59		5.901	459.834	NW 73		5.757	459.978
NW 74		5.914	459.821	NW 58		5.751	459.984
NW 89		5.893	459.842	NW 43		5.734	460.001
NW 104		5.915	459.820	NW 28		5.713	460.022
NW 119		5.893	459.842	NW 27		5.531	460.204
NW 134		5.928	459.807	NW 42		5.573	460.162
~~NW 149~~ SW 150		5.907	459.828	NW 57		5.556	460.179
NW 164		5.933	459.802	NW 72		5.530	460.205
NW 179		5.920	459.815	NW 87		5.553	460.182
NE 179		5.903	459.832	NW 102		5.578	460.157
SW 194		5.721	460.014	NW 117		5.573	460.162
SW 179		5.733	460.002	NW 132		5591	460.144
SW 164		5.745	459.990	NW 147		5.586	460.149
NW 148		5.750	459.985	NW 162		5.593	460.142
SW 134		5.754	459.981	NW 177		5.638	460.097
SW 119		5.757	459.978	NW 192		5.533	460.202
			RED. +3	CK BM	6.575	466.030	6.280 459.455
							RED. +3

Bayview Res
Roof Elev. Check
Cont'd.

	466.030	Windy pin
NW 191	5.653	460.377
NW 176	5.758	460.272
NW 161	5.633	460.397
NW 146	5.646	460.384
NW 131	5.702	460.328
NW 116	5.684	460.346
NW 101	5.683	460.347
NE 71	5.663	460.367
NE 56	5.681	460.349
NW 56	5.638	460.392
NW 41	5.715	460.315
NW 26	5.658	460.372
NW 25	5.463	460.567
NE 25	5.614	460.416
SW 56	5.493	460.537
SE 56	5.503	460.527
NW 85	5.512	460.518
NW 100	5.506	460.524
NW 115	5.494	460.536

RED. HB

4/15/58

	466.030	
NW 130	5.497	460.533
NE 130	5.466	460.564
SW 161	5.445	460.585
SW 176	5.552	460.478
NW 190	5.501	460.529
NW 189	5.217	460.813
NW 172	5.354	460.676
NW 159	5.302	460.728
SE 130	5.280	460.750
SW 130	5.353	460.677
NW 114	5.330	460.700
NE 84	5.312	460.718
NW 84	5.321	460.709
NW 69	5.294	460.736
NW 54	5.293	460.737
SE 25	5.330	460.700
SW 25	5.292	460.738
SE 9	5.134	460.896
CK BM	6575	459.455

RED. HB

Bayview Res.
Roof Elev. Check
Cont'd

4/15/58

	466.030		
NW 38		5.147	460.883
NE 38		5.134	460.896
NW 68		5.150	460.880
SW 84		5.169	460.861
SE 84		5.187	460.843
NE 98		5.166	460.864
SW 129		5.154	460.876
SW 144		5.092	460.938
SW 159		5.160	460.870
SW 174		5.164	460.866
SW 189		5.108	460.922
SW 188		5.088	460.942
SW 173		5.152	460.878
SE 143		5.147	460.883
SW 143		5.088	460.942
NW 127		5.170	460.860
SE 98	5.335	5.213	460.817
SW 98	5.267	5.145	460.885
SE 68	5.307	5.186	460.844

RED. HB

4/15/58

	466.030		
SW 68		5.132	460.898
NW 52		5.127	460.903
NW 37		5.153	460.877
SE 8		5.125	460.905
NW 21		5.272	460.758
NW 36		5.378	460.652
NW 51		5.325	460.705
NW 66		5.331	460.699
NW 81		5.370	460.660
NW 96		5.422	460.608
NW 111		5.335	460.695
NW 126		5.370	460.660
NW 141		5.325	460.705
SW 157		5.321	460.709
SW 172		5.318	460.712
SW 187		5.286	460.744
NW 185		5.466	460.564
NE 155		5.517	460.513
NW 155		5.500	460.530

RED. HB

Bayview Res
Roof Elev. Check
Cont'd

	466.030	
NE 125	5.512	460.518
NW 125	~~5.535~~	~~460.495~~
NE 95	5.514	460.516
NW 95	5.521	460.509
NW 80	5.554	460.476
SW 66	5.491	460.539
SE 36	5.515	460.515
SE 21	5.587	460.443
NW 20	5.457	460.573
NE 4	5.638	460.392
SW 35	5.747	460.283
SE 35	5.703	460.327
NW 64	5.742	460.288
NE 64	5.758	460.272
SW 95	5.692	460.338
SE 95	5.678	460.352
NW 124	5.703	460.327
NE 124	5.667	460.363
SE 140	5.679	460.351

RED. HB

4/15/58

	466.030	
SW 170	5.677	460.353
SE 170	5.639	460.391
SE 169	5.812	460.218
SW 169	5.862	460.168
NE 138	5.860	460.170
NW 138	5.833	460.197
NE 108	5.888	460.142
NW 108	5.853	460.177
NE 78	5.910	460.120
SE 64	5.898	460.132
SW 64	5.899	460.131
NE 33	5.912	460.118
NE 18	5.898	460.132
NW 18	5.811	460.219
SW 18	5.988	460.042
SE 18	6.041	459.989
NW 47	6.048	459.981
NE 47	6.061	459.969
SW 78	6.068	459.962

RED. HB

Bayview Res
Roof Elev Check
(Cont'd)

		466.030	
^	SE 78	6.047	459.983
^	NE 92	6.035	459.995
N	NW 122	6.062	459.968
N	NE 122	6.044	459.986
N	SW 153	6.048	459.982
S	SE 153	5.975	460.055
S	SW 183	5.970	460.060
S	SW 182	6.133	459.897
N	SE 152	6.172	459.858
^	SW 152	6.153	459.877
S	SE 122	6.142	459.888
S	SW 122	6.212	459.818
N	SW 107	6.211	459.819
N	SE 77	6.164	459.866
S	SW 77	6.202	459.828
S	SE 47	6.188	459.842
N	SW 47	6.165	459.865
^	SE 17	6.194	459.836
S	SW 17	6.168	459.862

RED. +5

4/15/58

		466.030	
CK BM		6.573	459.457 = 459.455

Bayview Reservoir
Roof Elev. Check
18' Water

BM	6.658	466.113	459.455
SW 17		6.251	459.862
SE 17		6.274	459.839
SW 47		6.244	459.869
SE 47		6.267	459.846
SW 77		6.279	459.834
SE 77		6.245	459.868
SW 107		6.292	459.821
SW 122		6.288	459.825
SE 122		6.222	459.891
SW 152		6.235	459.878
SE 152		6.254	459.859
SW 182		6.212	459.901
SW 183		6.048	459.065
SE 153		6.058	459.055
SW 153		6.131	459.982
NE 122		6.124	459.989
NW 122		6.139	459.974

Dec. 19 1958
Beatty
OBrien

	466.113	
NE 92	6.103	460.010
SE 78	6.125	459.988
SW 78	6.147	459.966
NE 47	6.140	459.973
NW 47	6.129	459.984
SE 18	6.119	459.994
SW 18	6.064	460.049
NW 18	5.889	460.224
NE 18	5.980	460.133
NE 33	5.991	460.122
SW 64	5.974	460.139
SE 64	5.976	460.137
NE 78	5.989	460.124
NW 108	5.929	460.184
NE 108	5.968	460145
NW 138	5.912	460211
NE 138	5.941	460172
SW 169	5.939	460174
SE 169	5.893	460220

Bayview Roof Elevs

	466.113	
SE 170	5.720	460.393
SW 170	5.759	460.354
SE 120	5.760	460.353
NE 124	5.747	460.366
NW 124	5.779	460.334
SE 95	5.757	460.356
SW 95	5.769	460.344
NE 64	5.837	460.276
NW 64	5.820	460.293
SE 35	5.786	460.327
SW 35	5.830	460.283
NE 4	5.718	460.395
NW 20	5.538	460.575
SE 21	5.667	460.446
SE 36	5.592	460.521
SW 66	5.567	460.546
NW 80	5.632	460.481
NW 95	5.597	460.516
NE 95	5.591	460.522

12/19/58

	466.113	
NW 125	5.613	460.500
NE 125	5.590	460.523
NW 155	5.581	460.532
NE 155	5.598	460.515
NW 185	5.545	460.568
SW 187	5.368	460.745
SW 172	5.400	460.713
SW 157	5.393	460.720
NW 141	5.401	460.712
NW 126	5.440	460.673
NW 111	5.407	460.706
NW 96	5.494	460.619
NW 81	5.440	460.673
NW 66	5.403	460.710
NW 51	5.399	460.714
NW 36	5.457	460.656
NW 21	5.348	460.765
SE 8	5.207	460.906
NW 37	5.231	460.882

Bayview Res
Roof Elevs

	466.113	
NW 52	5.203	460.910
SW 68	5.207	460.906
SE 68	5.261	460.852
SW. 98	T	(see end)
SE 98	5.289	460.824
NW 127	5.246	460.867
SW 143	5.167	460.946
SE 143	5.226	460.887
SW 173	5.233	460.880
SW 188	5.172	460.941
SW 189	5.192	460.921
SW 174	5.249	460.864
SW 159	5.240	460.873
SW 144	5.169	460.944
SW 129	5.231	460.882
NE 98	5.244	460.869
SE 84	5.263	460.850
SW 84	5.242	460.871
NW 68	5.228	460.885

12/19/58

VC

	466.113	
NE 38	5.212	460.901
NW 38	5.228	460.885
SE 9	5.213	460.900
SW 25	5.365	460.748
SE 25	5.412	460.701
NW 56	5.369	460.744
NW 69	5.368	460.745
NW 84	5.395	460.718
NE 84	5.384	460.729
NW 114	5.402	460.709
SW 130	5.429	460.684
SE 130	5.359	460.754
NW 159	5.380	460.733
NW 172	5.438	460.675
NW 189	5.298	460.815
NW 190	5.586	460.527
SW 176	5.636	460.477
SW 161	5.527	460.586
NE 130	5.552	460.561

Bayview Reservoir
Roof Elevs

12/15/58

	466.113	
NW 130	5.578	460.535
NW 115	5.574	460.539
NW 100	5.585	460.528
NW 85	5.588	460.525
SE 56	5.583	460.530
SW 56	5.573	460.540
NE 25	5.701	460.412
NW 25	5.543	460.570
NW 26	5.742	460.371
NW 41	5.799	460.314
NW 56	5.718	460.395
NE 56	5.762	460.351
NE 71	5.744	460.369
NW 101	5.762	460.351
NW 116	5.763	460.350
NW 131	5.780	460.333
NW 146	5.727	460.386
NW 161	5.718	460.395
NW 176	5.844	460.269

	466.113	
NW 191	5.735	460.378
NW 192	5.911	460.202
NW 177	6.018	460.095
NW 162	5.971	460.142
NW 147	5.958	460.155
NW 132	5.963	460.150
NW 117	5.946	460.167
NW 102	5.951	460.162
NW 87	5.920	460.193
NW 72	5.901	460.212
NW 57	5.922	460.191
NW 42	5.947	460.166
NW 27	5.903	460.210
NW 28	6.091	460.022
NW 43	6.112	460.001
NW 58	6.124	459.989
NW 73	6.137	459.976
NW 88	6.128	459.985
NW 103	6.137	459.976

Bayview Reservoir

Roof Elevs

12/19/58
Beatty
Obrien

466.113

SW 119	6.133	459.980	
SW 134	6.132	459.981	
NW 148	6.128	459.985	
SW 164	6.121	459.992	
SW 179	✓ 6.111	460.002	
SW 194	✓ 6.111	460.002	
NE 179	6.284	459.829	
NW 179	6.298	459.815	
NW 164	6.311	459.802	
SW 150	6.287	459.826	
NW 134	6.305	459.808	
NW 119	6.267	459.848	
NW 104	6.293	459.820	
NW 89	6.267	459.848	
NW 74	6.292	459.821	
NW 59	6.279	459.834	
NW 44	6.291	459.822	
NW 29	6.264	459.849	
CK BM	6.658	459.455	

BM	6219	465 674		459.455
SW 98			4.777	460.897
CK. BM.			6.219	459.455

BAYVIEW RESERVOIR
ROOF ELEV. CHECK

(20° FT. WATER)

BM	6.430	465.885	459.455
SW 17		6.022	459.863
SE 17		6.043	459.842
SW 47		6.012	459.873
SE 47		6.032	459.853
SW 77		6.046	459.839
SE 77		6.011	459.874
SW 107		6.060	459.825
SW 122		6.058	459.827
S.E. 122		5.989	459.896
S.W. 152		6.000	459.885
S.E. 152		6.024	459.861
S.W. 182		5.981	459.904
S.W. 183		5.813	460.072
S.E. 153		5.827	460.058
S.W. 153		5.900	459.985
N.E. 122		5.890	459.995
N.W. 122		5.904	459.981

7/10/59 (HOT)

SHOREY O'BRIEN

465.885

N.E. 92	5.880	460.005
S.E. 78	5.890	459.995
S.W. 78	5.913	459.972
N.E. 47	5.907	459.978
N.W. 47	5.900	459.985
S.E. 18	5.890	459.995
S.W. 18	5.834	460.051
N.W. 18	5.656	460.229
N.E. 18	5.750	460.135
N.E. 33	5.761	460.124
S.W. 64	5.747	460.138
S.E. 64	5.744	460.141
N.E. 78	5.756	460.129
NW 108	5.693	460.192
NE 108	5.732	460.153
NW 138	5.678	460.207
N.E. 138	5.708	460.177
S.W. 169	5.706	460.179
S.E. 169	5.661	460.224

Bayview Roof Elev.

	465.885	
S.E. 170	5.489	460.396
SW 170	5.527	460.358
SE 140	5.528	460.357
NE 124	5.510	460.375
NW 124	5.545	460.340
SE 95	5.532	460.353
SW 95	5.532	460.353
NE 64	5.601	460.284
NW 64	5.588	460.297
SE 35	5.553	460.332
SW 35	5.599	460.286
NE 4	5.492	460.393
NW 20	5.306	460.579
SE 21	5.436	460.449
SE 36	5.360	460.525
SW 66	5.338	460.547
NW 80	5.397	460.488
NW 95	5.360	460.525
NE 95	5.353	460.532

	465.885	
N.W. 125	5.367	460.518
NE 125	5.357	460.528
NW 155	5.347	460.538
NE 155	5.369	460.516
NW 185	5.311	460.574
SW 187	5.132	460.753
SW 172	5.168	460.717
SW 157	5.160	460.725
NW 141	5.166	460.719
NW 126	5.206	460.679
NW 111	5.172	460.713
NW 96	5.257	460.628
NW 81	5.204	460.681
NW 66	5.170	460.715
NW 51	5.170	460.715
NW 36	5.226	460.659
NW 21	5.120	460.765
SE 8	4.977	460.908
NW 37	5.000	460.885

BAYVIEW ROOF ELEV.

	465.885	
NW52	4.980	460.905
SW68	4.977	460.908
SE68	5.026	460.859
SW98	4.983	460.902
SE98	5.050	460.835
NW127	5.012	460.873
SW143	4.931	460.954
SE143	4.991	460.894
SW173	5.001	460.884
SW188	4.938	460.947
SW189	4.959	460.926
SW174	5.019	460.866
SW159	5.006	460.879
SW144	4.935	460.950
SW129	4.995	460.890
NE98	5.005	460.880
SE84	5.026	460.859
SW84	5.010	460.875
NW68	4.993	460.892

	465.885	
NE38	4.979	460.906
NW38	4.999	460.886
SE9	4.984	460.901
SW25	5.138	460.747
SE25	5.184	460.701
NW54	5.137	460.748
NW69	5.138	460.747
NW84	5.163	460.722
NE84	5.151	460.734
NW114	5.171	460.714
SW130	5.196	460.689
SE130	5.127	460.758
NW159	5.149	460.736
NW174	5.202	460.683
NW189	5.063	460.822
NW190	5.352	460.533
SW176	5.406	460.479
SW161	5.295	460.590
NE130	5.316	460.569

BAYVIEW ROOF ELEV.

	465.885	
NW130	5.345	460.540
NW115	5.350	460.535
NW100	5.353	460.532
NW85	5.360	460.525
SE56	5.350	460.535
SW56	5.341	460.544
NE25	5.469	460.416
NW25	5.316	460.569
NW26	5.510	460.375
NW41	5.570	460.315
NW56	5.490	460.395
NE56	5.530	460.355
NE71	5.513	460.372
NW101	5.530	460.355
NW116	5.531	460.354
NW131	5.550	460.335
NW146	5.497	460.388
NW161	5.488	460.397
NW176	5.612	460.273

7/10/59
SHOREY
O'BRIEN

	465.885	
NW191	5.503	460.382
NW192	5.679	460.206
NW177	5.787	460.098
NW162	5.738	460.147
NW147	5.727	460.158
NW132	5.730	460.155
NW117	5.715	460.170
NW102	5.720	460.165
NW87	5.690	460.175
NW72	5.672	460.213
NW57	5.699	460.186
NW42	5.720	460.165
NW27	5.677	460.208
NW28	5.861	460.024
NW43	5.886	459.999
NW58	5.901	459.984
NW73	5.911	459.974
NW88	5.900	459.985
NW103	5.912	459.973

BAYVIEW ROOF ELEVS

	465.885	
SW 119	5.903	459.982
SW 134	5.902	459.983
NW 148	5.901	459.984
SW 164	5.890	459.995
SW 179	5.885	460.000
SW 194	5.870	460.015
NE 179	6.058	459.827
NW 179	6.069	459.816
NW 164	6.081	459.804
SW 150	6.061	459.824
NW 134	6.074	459.811
NW 119	6.038	459.847
NW 104	6.063	459.822
NW 89	6.040	459.845
NW 74	6.065	459.820
NW 59	6.050	459.835
NW 44	6.064	459.821
NW 29	6.038	459.847

7/10/59 (HOT)
SHOREY
O'BRIEN

465.885

CK. BM	6.432	(459.453 = 459.455)

BAYVIEW RESERVOIR
ROOF ELEV. CHECK

BM	6.684	466.139	459.455
SW 17	6.286		459.853
SE 17	6.302		459.837
SW 47	6.272		459.867
SE 47	6.300		459.839
SW 77	6.304		459.835
SE 77	6.273		459.866
SW 107	6.321		459.818
SW 122	6.319		459.820
SE 122	6.250		459.889
SW 152	6.261		459.878
SE 152	6.272		459.867
SW 182	6.240		459.899
SW 183	6.071		460.068
SE 153	6.087		460.052
SW 153	6.161		459.978
NE 122	6.153		459.986
NW 122	6.169		459.970

5-20-60 (COOL)

17.5 DEPTH WATER

SHOREY
KEMP
OBRIEN &
KELLEY T 466.139

NE 92	6.144	459.995
SE 78	6.155	459.984
SW 78	6.178	459.961
NE 47	6.170	459.969
NW 47	6.162	459.977
SE 18	6.149	459.990
SW 18	6.098	460.041
NW 18	5.919	459.220
NE 18	6.008	460.131
NE 33	6.021	460.118
SW 64	6.007	460.131
SE 64	6.007	460.132
NE 78	6.022	460.117
NW 108	5.961	460.178
NE 108	6.000	460.139
NW 138	5.941	460.198
NE 138	5.961	460.178
SW 169	5.968	460.171
SE 169	5.921	460.218

BAYVIEW ROOF ELEV.

	466.139	
SE 170	5.748	460.391
SW 170	5.786	460.353
SE 140	5.790	460.349
NE 124	5.779	460.360
NW 124	5.811	460.328
SE 95	5.802	460.337
SW 95	5.801	460.338
NE 64	5.868	460.271
NW 64	5.852	460.287
SE 35	5.818	460.321
SW 35	5.861	460.278
NE 4	5.746	460.393
NW 20	5.568	460.571
SE 21	5.701	460.438
SE 36	5.626	460.513
SW 66	5.602	460.537
NW 80	5.654	460.485
NW 95	5.630	460.509

	466.139	
NE 95	5.624	460.515
NW 125	5.649	460.490
NE 125	5.620	460.519
NW 155	5.609	460.530
NE 155	5.628	460.511
NW 185	5.580	460.559
SW 187	5.397	460.742
SW 172	5.429	460.710
SW 157	5.423	460.716
NW 141	5.431	460.708
NW 126	5.478	460.661
NW 111	5.447	460.692
NW 96	5.528	460.611
NW 81	5.476	460.663
NW 66	5.440	460.699
NW 51	5.438	460.701
NW 36	5.488	460.651
NW 21	5.381	460.758
SE 8	5.235	460.904

BAYVIEW ROOF ELEV

	466.132	
NW 37	5.260	460.879
NW 52	5.234	460.905
SW 68	5.241	460.898
SE 68	5.295	460.844
SW 98	5.259	460.880
SE 98	5.324	460.815
NW 127	5.279	460.860
SW 143	5.199	460.940
SE 143	5.254	460.885
SW 173	5.268	460.871
SW 188	5.201	460.938
SW 189	5.216	460.923
SW 174	5.281	460.858
SW 159	5.269	460.870
SW 144	5.202	460.937
SW 129	5.264	460.875
NW 98	5.275	460.864
SE 84	5.293	460.846

	466.139	
SW 84	5.279	460.860
NW 68	5.260	460.879
NE 38	5.240	460.899
NW 38	5.258	460.881
SE 9	5.242	460.897
SW 25	5.399	460.740
SE 25	5.442	460.697
NW 54	5.400	460.739
NW 69	5.401	460.738
NW 84	5.433	460.706
NE 84	5.421	460.718
NW 114	5.440	460.699
SW 130	5.464	460.675
SE 130	5.392	460.747
NW 159	5.410	460.729
NW 174	5.467	460.672
NW 189	5.323	460.816
NW 190	5.607	460.532

BAYVIEW ROOF ELEV

	466.139	
SW 176	5.664	460.475
SW 161	5.558	460,581
NE 130	5.582	460.557
NW 130	5.609	460.530
NW 115	5,610	460.529
NW 100	5.620	460.519
NW 85	5.623	460.516
SE 56	5.611	460.528
SW 56	5.601	460.538
NE 25	5.728	460.411
NW 25	5.570	460.569
NW 26	5.769	460.370
NW 41	5.823	460.316
NW 56	5.748	460.391
NE 56	5.789	460,350
NE 71	5.772	460.367
NW 101	5.791	460.348
NW 116	5.796	460.343

	466.139	
NW 131	5.815	460.324
NW 146	5.760	460.379
NW 161	5.748	460,391
NW 176	5.877	460.262
NW 191	5.768	460.371
NW 192	5.937	460.202
NW 177	6.044	460,095
NW 162	5.998	460.141
NW 147	5.988	460.151
NW 132	5.990	460.149
NW 117	5,975	460.164
NW 102	5.981	460.158
NW 87	5.952	460,187
NW 72	5.933	460.206
NW 57	5.956	460.183
NW 42	5.978	460.161
NW 27	5.930	460.209
NW 28	6.117	460.022

BAYVIEW ROOF ELEV

	466.139	
NW 43	6.140	459.999
NW 58	6.153	459.986
NW 73	6.166	459.973
NW 88	6.160	459.979
NW 103	6.170	459.969
SW 119	6.162	459.977
SW 134	6.161	459.978
NW 148	6.161	459.978
SW 164	6.148	459.991
SW 179	6.141	459.998
SW 194	6.127	460.012
NE 179	6.308	459.831
NW 179	6.320	459.819
NW 164	6.340	459.799
SW 150	6.318	459.821
NW 134	6.328	459.811
NW 119	6.292	459.847
NW 104	6.320	459.819

	466.139	
NW 89	6.295	459.844
NW 74	6.322	459.817
NW 59	6.304	459.835
NW 44	6.319	459.820
NW 29	6.288	459.851
CK BM	6.684=	

Please Return to
City of San Diego Water Dept.
Room ~~303~~ Civic Center
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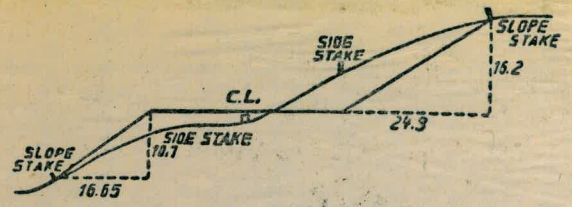

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

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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