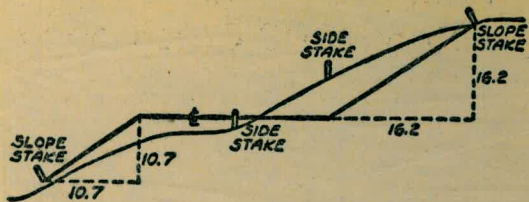


W 836

CONCRETE

PART 1

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

MICROFILMED

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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	.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°	.050	.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	2.53
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

SUTHERLAND DAM

CONCRETE QUANTITIES

Date Placed	Description	Station	Cu. Yds. Placed	Total Cu. Yds To Date
Dec. 29, 1952 to				
Dec. 30, 1952	Buttress No. 7 - to El. 1928	L-958.0 to L-1110.8	534.40 ✓	534.40
Jan. 20, 1953 to				
Jan. 20, 1953	Buttress No. 7 - to El. 1940	L-962.8 to L-1055.6	375.43 ✓	909.83
Jan. 27, 1953 to				
Jan. 27, 1953	Cutoff Spillway Weir - to El. 2050	D-891.6 to D-963.4	89.55 ✓	999.38
Jan. 30, 1953 to				
Jan. 30, 1953	Buttress No. 6 - El. 1940.0 to El. 1938.0	L-959.0 to L-1068	675.53 ✓	1674.91
Feb. 10, 1953 to				
Feb. 10, 1953	Buttress No. 13 - El. 2030.0 to El. 2036.0	L-991.94 to L-1032.5	66.55 ✓	1741.04
Feb. 10, 1953 to				
Feb. 10, 1953	Buttress No. 14 - El. 2029.5 to El. 2036.0	L-991.88 to L-1032.5	72.10 ✓	1813.56
Feb. 10, 1953 to				
Feb. 10, 1953	Rectangular Strut - El. 2036	D-1780 to D-1840	28.33 ✓	1841.89
Feb. 13, 1953 to				
Feb. 13, 1953	Arch Ring Cutoff 7-8	D-1479.0 to D-1410.2	337.44 ✓	2179.33
Feb. 13, 1953 to				
Feb. 13, 1953	Buttress No. 7 - El. 1903.0 to El. 1917.0	L-1140.0 to L-1199.5	49.80 ✓	2229.13
Feb. 25, 1953 to				
Feb. 25, 1953	Arch Ring 9-10 to El. 1928.0	D-1540.0 to D-1600.0	193.88 ✓	2423.01
Feb. 27, 1953	Arch Ring 10-11 to El. 1928 in Old Steps to 1937		31.10 ✓	2454.11
Mar. 4, 1953	BUTTRESS #7 front of L-1110.8		116.50 ✓	2570.61
Mar. 13, 1953				
Mar. 13, 1953 to	Rectangular Strut E 2036	D-1660 to D-1720	28.33 ✓	2598.94
Mar. 13, 1953 to				
Mar. 13, 1953	ARCH RING 11-12 Old Steps to 1964		130.50 ✓	2729.44
Mar. 13, 1953 to				
Mar. 13, 1953	Buttress #11 2030 to 2036	L-991.94 to L-1032.5	66.55 ✓	2795.99
Mar. 13, 1953 to				
Mar. 13, 1953	Buttress #12 2030 to 2036	L-991.94 to L-1032.5	66.55 ✓	2862.54
Mar. 11, 1953 to				
Mar. 11, 1953	ARCH RING 10-11 1937 old steps to 1946	+165 112.34 ✓		2974.88
Mar. 17, 1953 to				
Mar. 17, 1953	Buttress #7 to 1940 in front of Pilaster II		327.41 ✓	3302.29
Mar. 18, 1953 to				
Mar. 18, 1953	Arch 12-13 to Elev. 1982.0		137.26 ✓	3439.55

Date Placed	Description	Station	Cu. Yd. Placed	Total to Date
3-11-53	Outlet Works - Slab of Trash Rack		29.77 ✓	3469 32
3/27/53	Buttress #7 - El. 1940 to El. 1952		609.58 ✓	4078 90
3-25-53	Arch Ring 9-10 El. 1928-1934		98.21 ✓	4177 11
3-25-53	Arch Ring 13-14 to El. 1994 ✓		67.76 ✓	4244 87
3-31-53	Buttress 9 & 10 El. 2030-2036		133.10	4377 97
3-19-53	Buttress 13 & 14 El. 2036-2048 ✓		227.52 ✓	4605 49
3-31-53	Strut Between #9-10		28.33	4633 82
4-1-53	Arch Ring 10-11 El. 1946-1952		83.04 ✓	4716 86
4-1-53	Trash Rack		20.44	4737 30
4-2-53	Buttress 13 & 14 El. 2048-2060		167.74 ✓	4905 04
4-3-53	Buttress #12 El. 2036-2048		112.96 ✓	5018 00
4-6-53	Buttress #15 Old Conc. to 2024		204.00 ✓	5222 00
4-6-53	Buttress #11 El. 2036-2048		112.96 ✓	5334 96
4-8-53	Buttress #7 El. 1952-1964		491.00 ✓	5825 96
4-9-53	Arch Ring 11-12 El. 1964-1970		68.31	5894 27
4-10-53	Arch Ring 12-13 El. 1982-1988		54.78	5949 05
4-13-53	Buttress #4 To El. 1960	L-964.5 to L-1013.5	79.29	6028 34
4-14-53	Buttress #8 El. 1970-1976		195.30	6223 64
4-15-53	Arch Ring 7-8 Old Steps to 1922		137.63	6361 27
4-16-53	Buttress 9 & 10 El. 2036-2048		225.92	6587 19

Date Placed	Description	Station	Cu Yd. Placed	Total to Date
4-16-53	Buttress #15 El. 2024-2036		140.55	6727.74
4-17-53	Buttress #7 El. 1964-1976		408.94	7136.68
4-21-53	Arch Ring 10-11 El. 1952-1958		78.00	7214.68
4-22-53	Arch Ring 9-10 1934-1940		93.53	7308.21
4-21-53	Buttress #11 El. 2048-2060		83.87	7392.08
4-22-53	Cutoff 6-7 From D-1346 to D-1413.58		227.70	7619.78
4-22-53	Buttress #6 Inc. Butt. 6 Cutoff To El. 1932	L-1116 to Cutoff	14.06	7633.84
4-24-53	Buttress #12 El. 2048-2060		83.87	7717.71
4-24-53	Arch Ring 7-8 El. 1922-1928		103.66	7821.37
4-27-53	Buttress #5 To El. 1939	L-953.3 to L-1008.5	133.42	7954.79
4-29-53	Buttress #15 El. 2036-2048		112.96	8067.75
4-29-53	Arch Ring 11-12 1970-1976		63.67	8131.42
4-29-53	Cutoff 1-2 From Pier #4 to D-1078.5		58.69	8190.11
4-29-53	Buttress #1 To El. 2014		15.05	8205.16
5-1-53	Buttress #8 El. 1976-1988		338.09	8543.25
5-4-53	Buttress #7 El. 1976-1988		338.09	8881.34
5-4-53	Buttress #5 El. 1939-1946		140.77	9022.11
5-5-53	Buttress #6 El. 1932-1938	L-1068 to L-1136.5	204.55	9226.66
5-5-53	Pier #1 To El. 2053		89.53	9316.19
5-5-53	Cutoff Spillway Weir To El. 2050	D-883 to D-891.62	9.93	9326.12

Date Placed	Description	Station	C.Y. Placed	Total to Date
5-5-'53	Cutoff-Gravity Sec. To El. 2053	D-871 to D-856	3.28	9329.40
5-5-'53	Gravity Sec. (East) To El. 2053	D-876 to D-866	21.80	9351.20
5-6-'53 to 5-7-'53	Buttress #9 El. 2048-2060		83.87	9435.07
5-6-'53 to 5-7-'53	Buttress #10 El. 2048-2060		83.87	9518.94
5-7-'53	Buttress #13 El. 2060-2068 ⁵		36.02*	9554.96
5-7-'53	Buttress #14 El. 2060-2068 ⁵		36.02*	9590.98
5-7-'53	Arch Ring 12-13 El. 1988-1994		50.45	9641.43
5-7-'53	Arch Ring 13-14 El. 1994-2000		46.96	9688.39
5-7-'53	Arch Ring 10-11 El. 1958-1964		73.09	9761.48
5-11-'53	Arch Ring 9-10 El. 1940-1946		88.22	9849.70
5-11-'53	Buttress #8 El. 1988-2000		274.12	10,123.82
5-8-'53	Buttress #1 El. 2014-2026 ⁵		110.75	234.57
5-8-'53	Pier #4 El. 2014-2026 ⁵		196.71	431.28
5-12-'53	Buttress #6 El. 1938-1952		685.38	11,116.66
5-13-'53	Pier #1 El. 2053-2059		68.16	184.82
5-14-'53	Arch Ring 7-8 El. 1928-1934		98.98	283.80
5-14-'53	Buttress #7 El. 1988-2000		274.12	557.92
5-13-'53	Gravity Section (East) To El. 2059		50.82	608.74

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
5-13-'53	Cutoff-Gravity Sec. To El. 2059		4.42	11,613.16
5-19-'53	Arch Ring 11-12 El. 1976-1982		59.16	672.32
5-20-'53	Cutoff 5-6 D-1346 to D-1286	Inc. Butt. #5 Cutoff	^{34 C.Y. of 5} 4 3/4 147.43	819.75
5-20-'53	Buttress #5 To El. 1946		" 80.39	900.14
5-21-'53	Buttress #1 El. 2026.5 to 2036		" 71.84	971.98
5-21-'53	Pier #4 El. 2026.5 to 2036		" 133.09	12,105.07
5-21-'53	Spillway Floor El. 2026.5 to 2036	North of L-1010	" 12.63	117.70
5-21-'53	Ogee Section El. 2026.5 to 2036	L-1010 to L-1026	" 33.30	151.00
5-21-'53	Cutoff Spillway Weir To El. 2036		" 0.00	151.00
5-22-'53	Buttress #6 El. 1952-1964		" 491.00	642.00
5-25-'53	Arch Ring 12-13 El. 1994-2000		46.96	688.96
5-26-'53	Arch Ring 8-9 El. 1911.9 to 1922		189.66	878.62
5-25-'53	Arch Ring 13-14 El. 2000-2006		43.02	921.64
5-25-'53	Buttress #15 El. 2048-2060		^{4 3/4} 83.87	13,005.51
5-27-'53	Buttress #5 El. 1946 to 1960		" 660.52	666.03
5-28-'53	Arch Ring 7-8 El. 1934 to 1940		93.53	759.56
5-28-'53	Arch Ring 10-11 El. 1964 to 1970		68.31	827.87
5-28-'53	Buttress #11 El. 2060-2068.5		^{4 3/4} 36.02*	863.89

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
5-28-53	Buttress #12 El. 2060-2068.5		4¾ 36.02*	13,899.91
5-29-53	Cutoff 4-5 D-1285.86 to 1225.86 Inc. Butt. Cutoff.	To El. 1948.62 - 1963.96	143.94	14,043.85
5-29-53	Buttress #4 To El. 1962	L-1043 to L-1104.7	4¾ 111.15	155.00
6-1-53	Buttress #8 El. 2000 to 2012		216.82	371.82
6-2-53	Buttress #6 El. 1964-1976		408.94	780.76
6-3-53	East Gravity Section, To El. 2066		51.10	831.86
6-3-53	Pier #1 El. 2059-2066		68.21	900.07
6-3-53	Cutoff - East Gravity Section, To El. 2066		12.60	912.67
6-3-53	Arch Ring 9-10 El. 1946-1952		83.04	995.71
6-3-53	" " 11-12 El. 1982-1988		54.78	15,050.49
6-3-53	" " 14-15 Old steps to 2006 El.		46.76	097.25
6-4-53	Buttress #1 El. 2036 to 2048		4¾ 82.66	179.91
6-4-53	Pier #4 El. 2036 to 2048		163.73	343.64
6-4-53	Spillway Floor L-993.5 to 1010.0 To Bottom of Floor	D-1036 to 1051	105.63	449.27
6-4-53	Ogee Section L-1010 to 1026 El. 2050 & Bottom of Floor	D-1021-1051	191.28	640.55
6-4-53	Cutoff Spillway Weir D-963.37 to 1051.00		173.00	813.55
6-5-53	Buttress #4 From El. 1962 & El. 1960 to 1976		559.46	16,373.01
6-9-53	Arch Ring 12-13 El. 2000-2006		43.02	416.03
6-9-53	" " 13-14 El. 2006-2012		41.23	457.26
6-9-53	" " 8-9 El. 1922-1928		103.66	560.92
6-10-53	Buttress #5 El. 1960-1976		4¾ 561.06	17,121.98
			11.80	17,110.18

* MINUS

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
6-11-53	Arch Ring 7-8 El. 1940 to 1946		88.22	17,198.40
6-11-53	Cutoff 3-4 From Rock to El. 1978.91 - 1963.96	D-1165.86 to D-1225.86 Inc. Butt. #3 Cutoff.	^{4 3/4} 64.71	263.11
6-11-53	Buttress #3 To El. 1974	L-1092.6 to 1078.0	" 16.67	279.78
6-12-53	Buttress #6 El. 1976 - 1988		" 338.09	617.87
6-15-53	Butt. #9 & #10 El. 2060 - 2068.5		" 66.14	684.01
6-15-53	Arch Ring 10-11 El. 1970 to 1976		" 63.67	747.68
6-16-53	Arch Ring 9-10 El. 1952 to 1958		" 78.00	825.68
6-16-53	Arch Ring 11-12 El. 1988 to 1994		" 50.45	876.13
6-17-53	Arch Ring 14-15 Old Steps & El. 2006 to 2012		" 40.64	916.77
6-17-53	Buttress #8 El. 2012 to 2024		^{4 3/4} 173.31	18,090.08
6-18-53	Buttress #3 To Elev. 1988		" 266.15	356.23
6-19-53	Buttress #7 El. 2000 to 2012		" 216.82	573.05
6-19-53	Arch Ring 8-9 El. 1928 to 1934		" 98.98	672.03
6-22-53	Arch Ring 6-7 From top of Cutoff To El. 1934		" 159.74	831.77
6-22-53	Arch Ring 5-6 From top of Cutoff To El. 1940	D-1326.63 to D-1353.58	" 41.03	872.80
6-22-53	Arch Ring 12-13 El. 2006 - 2012		" 41.23	914.03
6-22-53	Arch Ring 13-14 El. 2012 - 2018		" 41.10	955.13
6-23-53	Buttress #5 El. 1976 - 1988		^{4 3/4} 338.09	19,293.22

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
6-23-'53	Buttress #6 El. 1988-2000 D-1105.9 to		4 3/4 274.12	19,567.34
6-24-'53	Cutoff 2-3 D-1165.9		" 85.60	652.94
6-24-'53	Buttress #2 To El. 2004		" 14.48	667.42
6-25-'53	Arch Ring 7-8 El. 1946-1952	L-1046 ⁵ to L-1062 ⁵	" 83.04	750.46
6-25-'53	Pier #1 El. 2066-2074		4 3/4 71.46	821.92
6-25-'53	E. Gravity Section El. 2066-2076		" 55.49	877.41
6-25-'53	Cutoff - E. Gravity Section	El. 2066-2073	" 17.41	894.82
6-25-'53	Buttress #1 El. 2048-2053		" 27.56	922.38
6-25-'53	Pier #4 El. 2048-2053		" 67.31	989.69
6-26-'53	Buttress #4 El. 1976-1988		" 338.09	20,327.78
6-26-'53	Arch Ring 10-11 El. 1976-1982		" 59.16	386.94
6-26-'53	Arch Ring 14-15 El. 2012-2018		" 41.10	428.04
6-29-'53	Buttress #3 El. 1988-2000		4 3/4 316.39	744.43
6-30-'53	Buttress #8 El. 2024-2036		" 140.55	884.98
6-30-'53	Arch Ring 9-10 El. 1958-1964		" 73.09	958.07
6-30-'53	Arch Ring 11-12 El. 1994-2000		" 46.96	21,005.03
7-1-'53	Buttress #7 El. 2012-2024		4 3/4 173.31	178.34
7-1-'53	Buttress #15 El. 2060-2068 ⁵		" 33.07	211.41
7-1-'53	Arch Ring 8-9 El. 1934-1940		" 93.53	304.94
7-2-'53	Cutoff 1-2 D-1078.5 to D-1105.9		4 3/4 40.40	345.34

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
7-2-'53	Arch Ring 6-7 El. 1934-1940		93.53	21,438.87
7-2-'53	Arch Ring 12-13 El. 2012-2018		41.10	479.97
7-3-'53	Buttress #5 El. 1988-2000		^{4 3/4} 274.12	754.09
7-3-'53	Arch Ring 13-14 El. 2018-2024		41.10	795.19
7-7-'53	Buttress #6 El. 2000-2012		^{4 3/4} 216.82	22,012.01
7-7-'53	Arch Ring 14-15 El. 2018-2024		41.10	053.11
7-8-'53	Buttress #2 To El. 2012		^{4 3/4} 163.51	216.62
7-8-'53	Arch Ring 7-8 El. 1952-1958		78.00	294.62
7-9-'53	Buttress #3 El. 2000-2012		^{4 3/4} 216.82	511.44
7-9-'53	Buttress #4 El. 1988-2000		^{4 3/4} 274.12	785.56
7-10-'53	Arch Ring 2-3 Top of Cutoff to El. 1988		37.28	822.84
7-10-'53	Arch Ring 4-5 Top of Cutoff to El. 1958		61.66	884.50
7-10-'53	Arch Ring 10-11 El. 1982-1985	Pour stopped; 27.78 C.Y. to go.	27.00	911.50
7-13-'53	Buttress #8 El. 2036-2048		^{4 3/4} 112.96	23,024.46
7-13-'53	Arch Ring 10-11 El. 1985-1988	Finish Pour	27.78	052.24
7-13-'53	Arch Ring 11-12 El. 2000-2006		43.02	095.26
7-13-'53	Arch Ring 9-10 El. 1964-1970		68.31	163.57
7-13-'53	Strut 11-12 Add 2' to top El. 2000-2002	Mid-stream Butt. Bracing	^{4 3/4} 14.39	177.96
7-14-'53	Buttress #2 El. 2012-2024		163.53	341.49

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
7-15-'53	Buttress #7 El. 2024-2036		⁴ / ₄ 140.55	23,482.04
7-15-'53	Arch Ring 12-13 El. 2018-2024		41.10	523.14
7-15-'53	Arch Ring 13-14 El. 2024-2030		41.10	564.24
7-16-'53	Buttress #5 El. 2000-2012		⁴ / ₄ 216.82	781.06
7-16-'53	Arch Ring 3-4 ^{Top of Cutoff} To El. 1976		86.22	867.28
7-17-'53	Arch Ring 6-7 El. 1940-1946		88.22	955.50
7-17-'53	Pier #1 El. 2074-2082		⁴ / ₄ 76.98	24,032.48
7-17-'53	Buttress #1 El. 2053-2059		" 24.44	056.92
7-17-'53	Pier #4 El. 2053-2059		" 71.79	128.71
7-20-'53	Arch Ring 8-9 El. 1940-1946		88.22	216.93
7-20-'53	Buttress #6 El. 2012-2024		⁴ / ₄ 173.31	390.24
7-21-'53	Arch Ring 7-8 El. 1958-1964		73.09	463.33
7-21-'53	Spill. Slabs #3 #5	43.27 33.64	⁴ / ₄ 76.91	540.24
7-22-'53	Buttress #3 El. 2012-2024		" 173.31	713.55
7-22-'53	Spill. Slabs #1 #1A	54.33 52.79	" 107.12	820.67
7-23-'53	Arch Ring 6-7 El. 1946-1952		83.04	903.71
7-23-'53	Arch Ring 9-10 El. 1970-1976		63.67	967.38
7-23-'53	Buttress #2 El. 2024-2036		⁴ / ₄ 140.55	25,107.93
7-24-'53	Buttress #4 El. 2000-2012		" 216.82	324.75

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
7-24-'53	Arch Ring 12-13 El. 2024-2030		41.10	25,365.85
7-24-'53	Arch Ring 13-14 El. 2030-2036		41.10	406.95
7-27-'53	Buttress #7 El. 2036-2048		^{4%} 112.96	519.91
7-27-'53	Arch Ring 11-12 El. 2006-2012		41.23	561.14
7-28-'53	Arch Ring 6-7 El. 1952-1958		78.00	639.14
7-28-'53	Spill. Slab #2	51.91		
	#4	39.46	^{4%} 91.37	730.51
7-29-'53	Arch Ring 10-11 El. 1988-1994		50.45	780.96
7-29-'53	Spill. Slab #10	59.05		
	#W1	19.88		
	#W8	13.80	^{4%} 92.73	873.69
7-30-'53	Buttress #6 El. 2024-2036		" 140.55	26,014.24
7-30-'53	Arch Ring 7-8 El. 1964-1970		68.31	082.55
7-31-'53	Buttress #5 El. 2012-2024		^{4%} 173.31	255.86
7-31-'53	Arch Ring 8-9 El. 1946-1952		83.04	338.90
8-3-'53	Arch Ring 9-10 El. 1976-1982		59.16	398.06
7-30-'53	Strut 9-10 Add 2' to Top El. 2000-2002	Mid-stream Butt. Bracing	^{4%} 14.39	26,412.45
8-3-'53	Arch Ring 2-3 Top of Cutoff to El. 1994		27.77	440.22
8-3-'53	Spill. Slab #6	35.04		
	#8	63.01	^{4%} 98.05	538.27
8-4-'53	Buttress #4 El. 2012-2024		173.31	711.58
8-4-'53	Spill. Slab #15	66.70		
	#W5	24.25		
	#W7	14.95		
8-4-'53	Spill. Slab #W9	28.40	43.35	845.88

11,171.20 (4%)

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
8-5-'53	Spill. Slab ^{#W2} #7 #9 #W6		14.93 54.75 81.12 14.91 } 165.71	27,011.59
8-5-'53	Arch Ring 13-14	El. 2036-2042	41.10	052.69
8-6-'53	Butt. #7 & #8	El. 2048-2060	167.74	220.43
8-6-'53	Arch Ring 12-13	El. 2030-2036	41.10	261.53
8-7-'53	Arch Ring 5-6	Top of Cutoff of El. 1940 to 1946	63.41	324.94
8-7-'53	Arch Ring 6-7	El. 1958-1964	73.09	398.03
8-7-'53	Butt. #2	El. 2036-2048	112.96	510.99
8-10-'53	Pier #4	El. 2059-2066	71.94	582.93
8-10-'53	Butt. #1	El. 2059-2068 ⁵	28.12	611.05
8-10-'53	Spill. Slab ^{#11} #13 #W10		33.50 33.50 26.19 } 93.19	704.24
8-11-'53	Butt. #3	El. 2024-2036	140.55	844.79
8-11-'53	Arch 10-11	El. 1994-2000	46.96	891.75
8-11-'53	Arch 11-12	El. 2012-2018	41.10	932.85
8-12-'53	Spill. Slab ^{#12} #14		33.50 40.33 } 73.83	28,006.68
8-12-'53	Spill. Slab ^{#20} #W3		15.00 12.78 } 27.78	034.46
8-12-'53	Spill. Wall ^{#V5} #V7		8.52 8.52 } 17.04	051.50
8-13-'53	Butt. #5	El. 2024-2036	140.55	192.05
8-13-'53 to 8-14-'53	Arch 5-6	El. 1946-1952	83.04	275.09
8-14-'53	Arch 1-2	Top of Cutoff to El. 2018	61.48	336.57

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
8-17-'53	Arch 7-8 El. 1970-1976		63.67	28,400.24
8-17-'53	Spill. Slabs #16 #18 #W11		15.00 15.00 5.75	35.75
8-17-'53	Spill. Walls #V6 #V9		8.52 8.52	17.04
8-18-'53	Arch 8-9 El. 1952-1958		78.00	531.03
8-18-'53	Butt. #6 El. 2036-2048		112.96	643.99
8-19-'53	Spill. Slab #17 #19 #W4		15.00 15.00 5.75	35.75
8-19-'53	Arch 3-4 El. 1976-1982		59.16	738.90
8-19-'53	Arch 6-7 El. 1964-1970		68.31	807.21
8-20-'53	Butt. #7 & #8 El. 2060-2068 ⁵		66.14	873.35
8-20-'53	Arch 5-6 El. 1952-1954 ⁵	Pour Stopped	32.50	905.85
8-20-'53	Spill. Walls #V8 #V10		8.52 8.52	17.04
8-21-'53	Arch 5-6 El. 1954 ⁵ -1958	Finish Pour	45.50	968.39
8-21-'53	Arch 13-14 El. 2042-2048		41.10	29,009.49
8-21-'53	Butt. #3 El. 2036-2048		112.96	122.45
8-24-'53	Arch 12-13 El. 2036-2042		41.10	163.55
8-24-'53	Butt. #4 El. 2024-2036		140.55	304.10
8-25-'53	Pier #4 El. 2066-2074		74.48	378.58
8-26-'53	Arch 1-2 El. 2018-2024		41.10	419.68
8-25-'53	Spill. Wall #V1 #V3		8.52 8.52	17.04

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
8-26-'53	Arch 3-4 El. 1982-1988		54.78	29,491.50
8-26-'53	Arch 5-6 El. 1958-1964		73.09	564.59
8-26-'53	Arch 11-12 El. 2018-2024		41.10	605.69
8-27-'53	Butt. #5 El. 2036-2048		112.96	718.65
8-27-'53	Arch 10-11 El. 2000-2006		43.02	761.67
8-28-'53	Arch 6-7 El. 1970-1976		63.67	825.34
8-28-'53	Arch 7-8 El. 1976-1982		59.16	884.50
8-28-'53	Arch 8-9 El. 1958-1964		73.09	957.59
8-28-'53	Spill. Wall ^{#V2} _{#V4} _{#VII}		^{8.52} _{4.02} 4.02	974.15
8-31-'53	Butt. #2 & #3 El. 2048-2060		167.74	30,141.89
8-31-'53	Arch 5-6 El. 1964-1970		68.31	210.20
9-1-'53	Spillway Ogee ^{Inc. Overbreakage} D-883 to D-908		120.73	330.93
9-1-'53	Spill. Slab D-883 to D-908	L-993 ⁵ to L-1010	16.69	347.62
9-1-'53	Arch 3-4 El. 1988-1994		50.45	398.07
9-2-'53	Arch 1-2 El. 2024-2030		41.10	439.17
9-2-'53	Arch 9-10 El. 1982-1988		54.78	493.95
9-2-'53	Arch 13-14 El. 2048-2054		41.10	535.05
9-3-'53	Butt. #4 El. 2036-2048		112.96	648.01
9-4-'53	Arch 2-3 ^{Top of Cutoff &} El. 1994 to El. 2006		71.96	719.97
9-4-'53	Arch 5-6 El. 1970-1976		63.67	783.64

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
9-4-'53	Arch 12-13 El. 2042-2048		41.10	30,824.74
9-8-'53	Arch 3-4 El. 1994-2000		46.96	871.70
9-8-'53	Arch 11-12 El. 2024-2030		41.10	912.80
9-9-'53	Spill. Ogee <i>Inc. Overbreakage</i> D-908 to D-967		291.56	31,204.36
9-9-'53	Spill. Slab D-908 to D-967	L-993 ⁵ to L-1010	39.38	243.74
9-10-'53	Arch 8-9 El. 1964-1970		68.31	312.05
9-10-'53	Arch 4-5 El. 1958 $\frac{1}{2}$ Top of Cutoff to 1964		63.78	375.83
9-11-'53	Arch 7-8 El. 1982-1988		54.78	430.61
9-11-'53	Arch 2-3 El. 2006-2012		41.23	471.84
9-11-'53	Arch 5-6 El. 1976-1982		59.16	531.00
9-11-'53	Arch 6-7 El. 1976-1982		59.16	590.16
9-14-'53	Butt. #2 & #3 El. 2060-2068 ⁵		66.14	656.30
9-14-'53	Arch 10-11 El. 2006-2012		41.23	697.53
9-14-'53	Arch 3-4 El. 2000-2006		43.02	740.55
9-15-'53	Ogee Section D-1026 to D-1051	<i>Inc. Overbreakage</i>	80.31	820.86
9-15-'53	Spill. Slab D-1026 to D-1051	L-993 ⁵ to L-1010	6.93	827.79
9-15-'53	Arch 9-10 (El. 1988-1994)		50.45	878.24
9-15-'53	Arch 13-14 (El. 2054-2060)		41.10	919.34
9-16-'53	Butt. #5 & #6 El. 2048-2060		167.74	32,087.08

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
9-16-'53	Arch 2-3 El. 2012-2018		41.10	32,128.18
9-17-'53	Arch 4-5 El. 1964-1970		68.31	196.49
9-17-'53	Arch 11-12 El. 2030-2036		41.10	237.59
9-18-'53	Arch 1-2 El. 2030-2036		41.10	278.69
9-18-'53	Arch 12-13 El. 2048-2054		41.10	319.79
9-18-'53	Pier #4 El. 2074-2082		66.93	386.72
9-21-'53	Arch 2-3 El. 2018-2024		41.10	427.82
9-21-'53	Arch 4-5 El. 1970-1976		63.67	491.49
9-22-'53	Ogee Sec. D-967 to D-1004	Including Overbreak.	200.00	691.49
9-22-'53	Spill. Slab D-967 to D-1004	L-993 ⁵ to L-1010	25.00	716.49
9-23-'53	Arch 8-9 El. 1970-1976		63.67	780.16
9-23-'53	Spill. Wing Walls, Footings Only		5.00	785.16
9-24-'53	Arch 5-6 El. 1982-1988		54.78	839.94
9-24-'53	Arch 6-7 El. 1982-1988		54.78	894.72
9-24-'53	Arch 7-8 El. 1988-1994		50.45	945.17
9-24-'53	Arch 9-10 El. 1994-2000		46.96	992.13
9-25-'53	Arch 2-3 El. 2024-2030		41.10	33,033.23
9-25-'53	Arch 4-5 El. 1976-1982		59.16	092.39
9-28-'53	Butt. #5 & #6 El. 2060-2068 ⁵		66.14	158.53

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
9-29-'53	Butt. #4 El. 2048-2060		83.87	33,242.40
9-29-'53	Arch 10-11 El. 2012-2018		41.10	283.50
9-29-'53	Arch 4-5 El. 1982-1988		54.78	338.28
9-30-'53	Arch 12-13 El. 2054-2060		41.10	379.38
9-30-'53	Arch 3-4 El. 2006-2012		41.23	420.61
10-1-'53	Arch 1-2 El. 2036-2042		41.10	461.71
10-1-'53	Arch 8-9 El. 1976-1982		59.16	520.87
10-2-'53	Outlet Foundation, 6 South Piers, Inc. 3 Footings		24.74	545.61
10-2-'53	Arch 5-6 El. 1988-1994		50.45	596.06
10-2-'53	Arch 6-7 El. 1988-1994		50.45	646.51
10-2-'53	Arch 7-8 El. 1994-2000		46.96	693.47
10-5-'53	Arch 4-5 El. 1988-1994		50.45	743.92
10-5-'53	Spill. Wing Walls, Walls Only	As Built = 8.50 C.Y.	4.34*	748.26
10-6-'53	Valve House Floor Slab, Top of Floor	El. 1933 ⁶⁷	19.21	767.47
10-6-'53	Butt. #4 El. 2060-2068 ^E		33.07	800.54
10-6-'53	Arch 2-3 El. 2030-2036		41.10	841.64
10-7-'53	Arch 9-10 El. 2000-2006		43.02	884.66
10-7-'53	Arch 3-4 El. 2012-2018		41.10	925.76
10-8-'53	Arch 14-15 El. 2024-2030		41.10	966.86

* To Add 4.16 C.Y. (See Page 18)

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
10-9-'53	Arch 8-9 El. 1982-1988		54.78	34,021.64
10-9-'53	Arch 10-11 El. 2018-2024		41.10	062.74
10-9-'53	Arch 4-5 El. 1994-2000		46.96	109.70
10-12-'53	Arch 11-12 El. 2036-2042		41.10	150.80
10-12-'53	Valve House Walls, To El. 1938		30.00	180.80
10-13-'53	Arch 5-6 El. 1994-2000		46.96	227.76
10-13-'53	Arch 6-7 El. 1994-2000		46.96	274.72
10-13-'53	Valve House Piers, 4 Piers		3.92	282.80*
10-14-'53	Arch 1-2 El. 2042-2048		41.10	323.90
10-14-'53	Arch 2-3 El. 2036-2042		41.10	365.00
10-15-'53	Arch 3-4 El. 2018-2024		41.10	406.10
10-15-'53	Cutoff 17-18 D-2069 ⁶ to D-2086		22.23	428.33
10-16-'53	Arch 7-8 El. 2000-2006		43.02	471.35
10-16-'53	Arch 14-15 El. 2030-2036		41.10	512.45
10-19-'53	Arch 9-10 El. 2006-2012		41.23	553.68
10-19-'53	Arch 4-5 El. 2000-2006		43.02	596.70
10-19-'53	Arch 13-14 El. 2060-2068 ⁵⁰	Portion from 2068 to El. 2068 ⁵⁰ is Walkway	58.23	654.51
10-20-'53	Arch 10-11 El. 2024-2030		41.10	695.61
10-21-'53	Arch 8-9 El. 1988-1994		50.45	746.06

(*See Page 17)

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
10-21-'53	Arch 2-3 El. 2042-2048		41.10	34,787.16
10-22-'53	West Gravity Section	To Elev. 2024	125.69	912.85
10-22-'53	Butt. #18 To Elev. 2024		45.36	958.21
10-22-'53	Arch 5-6 El. 2000-2006		43.02	35,001.23
10-23-'53	Arch 11-12 El. 2042-2048		41.10	042.33
10-23-'53	Arch 6-7 El. 2000-2006		43.02	085.35
10-23-'53	Arch 3-4 El. 2024-2030		41.10	126.45
10-26-'53	Arch 7-8 El. 2006-2012		41.23	167.68
10-28-'53	Arch 1-2 El. 2048-2054		41.10	208.78
10-28-'53	Arch 14-15 El. 2036-2042		41.10	249.88
10-29-'53	Valve House Walls, To El. 1946 ³³	(Thrust Block) (Top half, inc.)	44.95	294.83
10-29-'53	Arch 2-3 El. 2048-2054		41.10	335.93
10-30-'53	Butt. #18 El. 2024-2036		87.33	423.26
10-30-'53	W. Gravity Sec. El. 2024-2036		260.90	684.16
11-2-'53	Arch 5-6 El. 2006-2012		41.23	725.39
11-2-'53	Arch 4-5 El. 2006-2012		41.23	766.62
11-2-'53	Arch 3-4 El. 2030-2036		41.10	807.72
11-2-'53	H-B Valve Anchorage, To Top of Floor	El. 1926	23.00	830.72
11-3-'53	Arch 6-7 El. 2006-2012		41.23	871.95
11-3-'53	Arch 12-13 El. 2060-2068 ⁵⁰	Portion from 2068 to El. 2068 ⁵⁰ is Walkway	58.23	930.60

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
11-4-'53	Arch 2-3 El. 2054-2060		41.10	35,971.70
11-4-'53	Arch 14-15 El. 2042-2048		41.10	36,012.80
11-4-'53	Thrust Blocks, Three		12.50	025.30
11-6-'53	Strut 7-8 To El. 1937	Mid-stream Buttress Bracing	19.00	044.30
11-6-'53	Arch 10-11 El. 2030-2036		41.10	085.40
11-9-'53	Butt. #18 El. 2036-2048		82.66	168.06
11-9-'53	W. Gravity Sec. El. 2036-2048		291.50	459.56
11-10-'53	Arch 8-9 El. 1994-2000		46.96	506.52
11-10-'53	Arch 9-10 El. 2012-2018		41.10	547.62
11-12-'53	H-B Valve House, Finish		8.28	555.90
11-12-'53	Arch 5-6 El. 2012-2018		41.10	597.00
11-12-'53	Arch 4-5 El. 2012-2018		41.10	638.10
11-12-'53	Arch 3-4 El. 2036-2042		41.10	679.20
11-13-'53	Arch 6-7 El. 2012-2018		41.10	720.30
11-13-'53	Arch 7-8 El. 2012-2018		41.10	761.40
11-16-'53	Arch 11-12 El. 2048-2054		41.10	802.50
11-16-'53	Arch 14-15 El. 2048-2054		41.10	843.60
11-17-'53	Arch Strut 7-8 To El. 1940	Mid-stream Butt. Bracing	22.95	866.55
11-17-'53	Arch 10-11 El. 2036-2042		41.10	907.65

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
11-17-'53	Arch 1-2 El. 2054-2060		41 10	36,948.75
11-18-'53	Cutoff 17-18 El. 2014.9-2002.2	D-2010 to D-2070	52.79	37,001.54
11-18-'53	Arch 9-10 El. 2018-2024		41 10	042.64
11-19-'53	Arch 8-9 El. 2000-2006		43.02	085.66
11-19-'53	Arch 5-6 El. 2018-2024		41 10	126.76
11-20-'53	Arch 4-5 El. 2018-2024		41 10	167.86
11-20-'53	Arch 3-4 El. 2042-2048		41 10	208.96
11-23-'53	Arch 6-7 El. 2018-2024		41 10	250.06
11-23-'53	Arch 7-8 El. 2018-2024		41 10	291.16
11-24-'53	Buttress #17 Pour interrupted	by breakdown	120.00	411.16
11-25-'53	Buttress #17 To El. 2012	Pour finished	55.57	466.73
11-25-'53	Arch 2-3 El. 2060-2068 ⁵⁰	Portion from 2068 to 2068 ⁵⁰ is Walkway	58.23	524.96
11-27-'53	Diaphragm 6-7 To El. 1952	Mid-Buttress Bracing	15.00 16.00	540.96
11-27-'53	Arch 14-15 El. 2054-2060		41 10	582.06
11-30-'53	Arch 8-9 El. 2006-2012		41.23	623.29
11-30-'53	Arch 9-10 El. 2024-2030		41 10	37,664.39
12-1-'53	Arch 10-11 El. 2042-2048		41 10	705.49
12-1-'53	Arch 5-6 El. 2024-2030		41 10	746.59
12-2-'53	Butt. #16 To El. 1994		80.21	826.80

Date	Description	Station	C.Y. Placed	Total to Date
12-2-'53	Cutoff 16-17 D-1950 to D-2010		48.22	37,875.02
12-3-'53	Arch 4-5 El. 2024-2030		41.10	916.12
12-3-'53	Arch 11-12 El. 2054-2060		41.10	957.22
12-7-'53	Cutoff 15-16 Deep hole west of Butt. #15		67.00	38,024.22
12-7-'53	Arch 7-8 El. 2024-2030		41.10	065.32
12-8-'53	Butt. #16 El. 1994-2003		192.38	257.70
12-9-'53	Butt. #18 El. 2048-2060		58.11	315.81
12-9-'53	Arch 3-4 El. 2048-2054		41.10	356.91
12-9-'53	W. Gravity Sect. El. 2048-2060		233.47	590.38
12-10-'53	Butt. #17 El. 2012-2024		173.31	763.69
12-10-'53	Arch 1-2 El. 2060-2068 ⁵⁰	Portion from 2068 to 2068 ⁵⁰ is Walkway	58.23	821.92
12-11-'53	Cutoff 15-16 D-1906 to D-1950		291.35	39,113.27
12-11-'53	Arch 6-7 El. 2024-2030		41.10	154.37
12-14-'53	Arch 9-10 El. 2030-2036		41.10	195.47
12-14-'53	Arch 5-6 El. 2030-2036		41.10	236.57
12-14-'53	Diaphragm 6-7 El. 1952-1964	Mid-Buttress Bracing	40.44 39.44	276.01
12-15-'53	Arch 4-5 El. 2030-2036		41.10	317.11
12-15-'53	Arch 8-9 El. 2012-2018		41.10	358.21
12-16-'53	Arch 10-11 El. 2048-2054		41.10	399.31

Date	Description	Station	C.Y. Placed	Total to Date
12-16-'53	Butt. #16 El. 2003-2012		171.69	39,571.00
12-17-'53	Arch 7-8 El. 2030-2036		41.10	612.10
12-18-'53	Arch 3-4 El. 2054-2060		41.10	653.20
12-18-'53	Butt. #17 El. 2024-2036		140.55	793.75
12-21-'53	Walkway 13-14 Above El. 2068 ⁵		24.24	817.99
12-21-'53	Arch 14-15 El. 2060-2068 ⁵	Not Inc. Parapet Portion from 2068 to 2068 ⁵ is Walkway	58.23	876.22
12-22-'53	Arch 6-7 El. 2030-2036		41.10	917.32
12-23-'53	Walkway 12-13 Above El. 2068 ⁵	Not Inc. Parapet	24.24	941.56
12-23-'53	Arch 5-6 El. 2036-2042		41.10	982.66
12-24-'53	Butt. #16 El. 2012-2024		173.31	40,155.97
12-24-'53	Arch 9-10 El. 2036-2042		41.10	197.07
12-28-'53	Arch 4-5 El. 2036-2042		41.10	238.17
12-29-'53	Arch 10-11 El. 2054-2060		41.10	279.27
12-30-'53	Arch 7-8 El. 2036-2042		41.10	320.37
12-30-'53	Walkway 2-3 Above El. 2068 ⁵	Not Inc. Parapet	24.24	344.61
12-30-'53	Diaphragm 6-7 El. 1964-1976	Mid-Buttress Bracing	41.33	385.94
8-25-'53	Parapet & Walkway Adjacent to Pier #4	East of & Butt. #1	2.16	388.10
12-31-'53	Butt. #17 El. 2036-2048		112.96	501.06
12-31-'53	Arch 11-12 El. 2060-2068 ⁵	Portion from 2068 to 2068 ⁵ is Walkway	58.23	40,559.29

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
1-5-'54	Arch 6-7 El. 2036-2042		41.10	40,600.39
1-5-'54	Arch 5-6 El. 2042-2048		41.10	641.49
1-6-'54	Walkway 1-2 Above El. 2068 ⁵	Not Inc. Parapet	24.24	665.73
1-6-'54	Arch 9-10 El. 2042-2048		41.10	706.83
1-7-'54	Arch 8-9 El. 2018-2024		41.10	747.93
1-7-'54	Diaphragm 6-7 El. 1976-1988	Mid-Buttress Bracing	42.22	790.15
1-8-'54	Butt. #16 El. 2024-2036		140.55	930.70
1-8-'54	Arch 4-5 El. 2042-2048		41.10	971.80
1-8-'54	Arch 17-18 To El. 2012	Unsymmetrical Arch	26.50	998.30
1-11-'54	Arch 10-11 El. 2060-2066		41.10	41,039.40
1-13-'54	Arch 7-8 El. 2042-2048		41.10	080.50
1-13-'54	Arch 15-16 To El. 2006	Unsymmetrical Arch	40.00	120.50
1-14-'54	Walkway 14-15 Above El. 2068 ⁵	Not Inc. Parapet	24.24	144.74
1-14-'54	Arch 3-4 El. 2060-2068 ⁵	Portion from 2068 to 2068 ⁵ is Walkway	58.23	202.97
1-14-'54	Diaphragm 6-7 El. 1988-2000	Mid-Buttress Bracing	43.11	246.08
1-15-'54	Arch 6-7 El. 2042-2048		41.10	287.18
1-15-'54	Arch 16-17 To El. 2006	Unsymmetrical Arch	54.66	341.84
1-15-'54	Diaphragm 10-11 To El. 1964	Mid-Stream Butt. Bracing	49.18	391.02
1-18-'54	Arch 5-6 El. 2048-2054		41.10	432.12

DATE	DESCRIPTION	STATION	CY PLACED	TOTAL TO DATE
1-21-'54	Arch 17-18 El. 2012 to 2018		31.73	41,463.85
1-21-'54	Arch 15-16 El. 2006 to 2012		34.29	498.14
1-22-'54	Arch 9-10 El. 2048-2054		41.10	539.24
1-22-'54	Arch 16-17 El. 2006-2012		41.23	580.47
1-22-'54	Diaphragm 6-7 To El. 1952	Downstream Buttress Bracing	14.29	594.76
1-22-'54	Arch 4-5 El. 2048-2054		41.10	635.86
1-26-'54	Arch 10-11 El. 2066-2068 ^s		17.13	652.99
1-27-'54	Diaphragm 10-11 El. 1964-1976	Mid-stream Butt. Bracing	41.47	694.46
1-27-'54	Arch 7-8 El. 2048-2054		41.10	735.56
1-27-'54	Arch 15-16 El. 2012-2018		41.10	776.66
1-28-'54	Arch 6-7 El. 2048-2054		41.10	817.76
1-28-'54	Arch 17-18 El. 2018-2024		41.10	858.86
1-29-'54	Butt. #16 El. 2036-2048		112.96	971.82
1-29-'54	Arch 16-17 El. 2012-2018		41.10	42,012.92
2-1-'54	Walkway 11-12 Above El. 2068 ^s	Not Inc. Parapet	24.24	037.16
2-1-'54	Diaphragm 6-7 El. 1952-1964	Downstream Buttress Bracing	40.44	077.60
2-1-'54	Arch 5-6 El. 2054-2060		41.10	118.70
2-2-'54	Buttress #18 El. 2060-2068 ^s		21.94	140.64
2-2-'54	W. Gravity Sect. El. 2060-2068 ^s		88.93	229.57

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE	
2-2-'54	Arch 16-17	El. 2018-2024	41.10	42,270.67	
2-3-'54	Strut 7-8	To El. 1937	Downstream Buttress Bracing	20.00	42,290.67
2-3-'54	Arch 4-5	El. 2054-2060	41.10	317.70	
2-4-'54	Diaphragm 10-11	El. 1976-1988	Midstream Buttress Bracing	42.36	374.13
2-4-'54	Butt. #17	El. 2048-2060	83.87	458.00	
2-4-'54	Arch 9-10	El. 2054-2060	41.10	499.10	
2-5-'54	Arch 15-16	El. 2018-2024	41.10	540.20	
2-5-'54	Arch 7-8	El. 2054-2060	41.10	581.30	
2-5-'54	Arch 17-18	El. 2024-2030	41.10	622.40	
2-8-'54	Diaphragm 6-7	El. 1964-1976	Downstream Butt. Bracing	41.33	663.73
2-9-'54	Walkway 3-4	Above El. 2068 ⁵	Not Inc. Parapet	24.24	687.97
2-9-'54	Arch 6-7	El. 2054-2060	41.10	290.70	
2-10-'54	Parapet 13-14-15		24.16	753.23	
2-10-'54	Arch 5-6	El. 2060-2068 ⁵	58.23	811.46	
2-11-'54	Arch 16-17	El. 2024-2030	41.10	852.56	
2-11-'54	Diaphragm 10-11	El. 1988-2000	Mid-stream Butt. Bracing	43.25	895.81
2-11-'54	Strut 7-8	To El. 1940	Downstream Butt. Bracing	21.77	917.58
2-12-'54	Butt. #16	El. 2048-2060	83.87	43,001.45	
2-15-'54	Arch 4-5	El. 2060-2066	41.10	042.55	

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
2-15-'54	Arch 15-16 El. 2024-2030		41.10	43,083.65
2-15-'54	Diaphragm 6-7 El. 1976-1988	Downstream Butt. Bracing	42.22	125.87
2-16-'54	Butt. #17 El. 2060-2068 ⁵		33.07	158.94
2-16-'54	Arch 17-18 El. 2030-2036		41.10	200.04
2-17-'54	Walkway 10-11 Above El. 2068 ⁵	Not Incl. Parapet	24.24	224.28
2-17-'54	Diaphragm 10-11 El. to 1964	Downstream Butt. Bracing	24.12	248.40
2-19-'54	Arch 7-8 El. 2060-2068 ⁵		58.23	306.63
2-19-'54	Arch 16-17 El. 2030-2036		41.10	347.73
2-19-'54	Parapet 11-12-13		24.16	371.89
2-19-'54	Arch Strut 5-6 To El. 1997	Mid-stream Butt. Bracing	20.00	391.89
2-22-'54	Diaphragm 6-7 El. 1988-2000	Downstream Butt. Bracing	43.11	435.00
2-23-'54	Arch 8-9 El. 2024-2030		41.10	476.10
2-23-'54	Arch 15-16 El. 2030-2036		41.10	517.20
2-24-'54	Arch Strut 5-6 To El. 2000	Midstream Butt. Bracing	25.77	542.97
2-24-'54	Arch 4-5 El. 2066-2068 ⁵		17.13	560.10
2-25-'54	Arch 17-18 El. 2036-2042		41.10	601.20
2-25-'54	Cap Strut 9-10 At El. 1940	Mid-stream	6.44	607.64
2-26-'54	Diaphragm 6-7 El. 2000-2012	Downstream	43.96	43,651.60
3-1-'54	Diaphragm 10-11 El. 1964-1976	Downstream	41.47	693.07

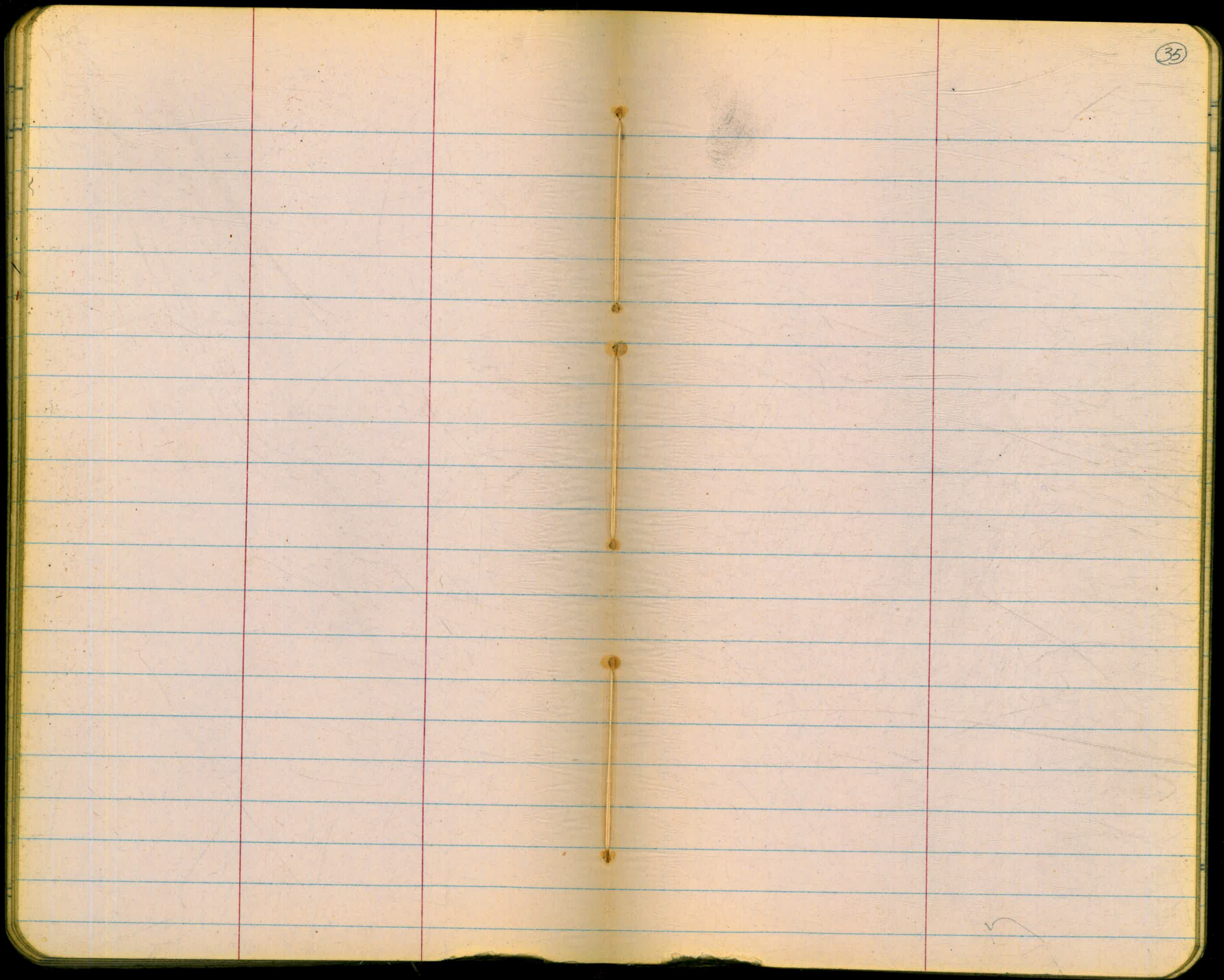
DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
3-1-'54	Arch 16-17 El. 2036-2042		41.10	43,734.17
3-1-'54	Parapet 1-2-3		24.16	758.33
3-2-'54	Walkway 5-6		24.24	782.57
3-2-'54	Butt. # 16 El. 2060-2068 ⁵		33.07	815.64
3-2-'54	Arch 6-7 El. 2060-2066		41.10	856.74
3-3-'54	Arch 9-10 El. 2060-2068 ⁵		58.23	914.97
3-3-'54	Arch 15-16 El. 2036-2042		41.10	956.07
3-3-'54	Cap Strut 9-10 El. 1940-1941	Downstream	6.44	962.51
3-4-'54	Diaphragm 6-7 El. 2012-2024	Downstream	44.78	44,007.29
3-5-'54	Arch Strut 7-8 At El. 1997	Downstream	20.00	027.29
3-5-'54	Arch 8-9 El. 2030-2036		41.10	068.39
3-5-'54	Diaphragm 10-11 El. 1976-1988	Downstream	42.36	110.75
3-8-'54	Arch 17-18 El. 2042-2048		41.10	151.85
3-9-'54	Arch 16-17 El. 2042-2048		41.10	192.95
3-10-'54	Arch Strut 5-6 To El. 1997	Downstream	20.00	212.95
3-11-'54	Diaphragm 6-7 El. 2024-2036	Downstream	45.56	258.51
3-11-'54	Arch 6-7 El. 2066-2068 ⁵		17.13	275.64
3-11-'54	Arch 15-16 El. 2042-2048		41.10	316.74
3-11-'54	Walkway 7-8		24.24	340.98

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
3-12-'54	Arch Strut 7-8 To El. 2000	Downstream	25.77	44,366.75
3-12-'54	Diaphragm 10-11 El. 1988-2000	Downstream	43.25	410.00
3-12-'54	Parapet 3-4		12.08	422.08
3-12-'54	Parapet 5-6		12.08	434.16
3-15-'54	Arch 8-9 To El. 2039 ⁵	^{Pour} Interrupted	24.00	458.16
3-16-'54	" " To El. 2042	^{Pour} Completed	17.10	475.26
3-16-'54	Arch Strut 5-6 To El. 2000	Downstream	25.77	501.03
3-18-'54	Arch 17-18 El. 2048-2054		41.10	542.13
3-18-'54	Arch 16-17 El. 2048-2054		41.10	583.23
3-19-'54	Diaphragm 10-11 El. 2000-2012	Downstream	44.10	627.33
3-19-'54	Arch 15-16 El. 2048-2054		41.10	668.43
3-26-'54	WALKWAY 4-5		24.24	692.67
3-26-'54	DIAPH. 3-4 To. El. 2024	DOWNSTREAM	46.64	739.31
3-26-'54	ARCH 8-9 EL. 2042-2048		41.10	780.41
3-29-'54	ARCH 16-17 EL. 2054-2060		41.10	821.51
3-30-'54	ARCH 17-18 EL. 2054-2060		41.10	862.61
3-31-'54	DIAPH. 10-11 EL. 2012-2024	DOWNSTREAM	44.92	907.53
3-31-'54	WALKWAY 9-10		24.24	931.77

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
4-1-54	PARAPET 7-8		12.08	44,943.85
4-1-54	PARAPET 10-11		12.08	955.93
4-1-54	ARCH 15-16 EL. 2054-2060		41.10	997.03
4-2-54	DIAPHRAM 3-4 EL. 2024-2036	DOWNSTREAM	45.56	45,042.59
4-2-54	ARCH STRUT 7-8 To EL. 1997	MID-STREAM BUTT-BRACING	20.00	062.59
4-5-54	ARCH 8-9 EL. 2048-2054		41.10	103.69
4-6-54	WALKWAY 6-7		24.24	127.93
4-7-54	DIAPHRAM 10-11 EL. 2024-2036	DOWNSTREAM	45.63	173.56
4-7-54	ARCH 16-17 EL. 2060-2068 ⁵		58.23	231.79
4-7-54	RECTANGULAR STRUT 7-8 EL. 2036	DOWNSTREAM	29.54	261.33
4-8-54	PARAPET 4-5		12.08	273.41
* 4-9-54	DIAPHRAM 14-15 To EL. 2024	DOWNSTREAM	37.44	288.36
4-12-54	ARCH 17-18 EL. 2060-2068 ⁵		58.23	346.59
4-13-54	PARAPET 9-10		12.08	358.67
4-14-54	ARCH 8-9 EL. 2054-2060		41.10	399.77
4-14-54	DIAPHRAM 14-15 EL. 2024-2036		45.60	445.37
4-15-54	ARCH 15-16 EL. 2060-2068 ⁵		58.23	503.60
4-15-54	RECTANGULAR STRUT 5-6 EL. 2036	DOWNSTREAM BUTT-BRACING	29.54	533.14
* 4-8-54	ARCH STRUT 7-8 To EL. 2000	MID-STREAM	25.77	558.91

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
4-16-54	WEST GRAVITY CUTOFF To EL. 2068 ⁵⁰		41.09	45,600.00
4-16-54	PARAPET 6-7 RECTANGULAR		12.08	45,612.08
4-20-54	STRUT 15-16 EL. 2036		29.54	45,641.62
4-22-54	WALKWAY 16-17 To EL. 2070 ⁰⁰		24.24	665.86
4-23-54	ARCH 8-9 EL. 2060 ⁰⁰ To EL. 2068 ⁵⁰		58.23	724.09
4-26-54	WALKWAY 17-18		24.24	748.33
4-27-54	WEST GRAVITY & W. CUTOFF WALKWAY		26.56	
4-29-54	PARAPET 16-17		12.08	
4-30-54	OGEE SECTION D-1004 to D-1026		136.39	45921.40
5-3-54	WALKWAY 15-16		24.24	
5-4-54	PARAPET WALL ON W. GRAV. SEC. - W. CUTOFF AND ARCH 17-18		12.19	
5-5-54	LEAN CONC. PLACED IN OGEE NOTCH.			
5-6-54	PARAPET 15-16		12.08	
5-7-54	WALKWAY 8-9		24.24	

(34)



Item

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(38)

DATE	BARRELS	TOTAL TO DATE
9-30-'53		42,317.65
10-31-'53		
11-30-'53		

DATE	BARRELS	TOTAL TO DATE
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CONT'D. (from page 53)

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DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
10-9-'53	Arch 8-9 El. 1982-1988		54.78	9177.78
10-9-'53	" 10-11 2018-2024		41.10	9218.88
10-9-'53	" 4-5 1994-2000		46.96	9265.84
10-12-'53	" 11-12 2036-2042		41.10	9306.94
10-13-'53	" 5-6 1994-2000		46.96	9353.90
10-13-'53	" 6-7 1994-2000		46.96	9400.86
10-14-'53	" 1-2 2042-2048		41.10	9441.96
10-14-'53	" 2-3 2036-2042		41.10	9483.06
10-15-'53	" 3-4 2018-2024		41.10	9524.16
10-16-'53	" 7-8 2000-2006		43.02	9567.18
10-16-'53	" 14-15 2030-2036		41.10	9608.28
10-19-'53	" 9-10 2006-2012		41.23	9649.51
10-19-'53	" 4-5 2000-2006		43.02	9692.53
10-19-'53	" 13-14 2060-2068		54.80	9747.33
10-20-'53	" 10-11 2024-2030		41.10	9788.43
10-21-'53	" 8-9 1988-1994		50.45	9838.88
10-21-'53	" 2-3 2042-2048		41.10	9879.98
10-22-'53	" 5-6 2000-2006		43.02	9923.00
10-23-'53	" 11-12 2042-2048		41.10	9964.10

ITEM 33(a)

(Cont'd.)

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
10-23-'53	Arch 6-7 El. 2000-2006		43.02	10,007.12
10-23-'53	" 3-4 2024-2030		41.10	048.22
10-26-'53	" 7-8 2006-2012		41.23	089.45
10-28-'53	" 1-2 2048-2054		41.10	130.55
10-28-'53	" 14-15 2036-2042		41.10	171.65
10-29-'53	" 2-3 2048-2054		41.10	212.75
11-2-'53	" 5-6 2006-2012		41.23	253.98
11-2-'53	" 4-5 2006-2012		41.23	295.21
11-2-'53	" 3-4 2030-2036		41.10	336.31
11-3-'53	" 6-7 2006-2012		41.23	377.54
11-3-'53	" 12-13 2060-2068		54.80	432.34
11-4-'53	" 2-3 2054-2060		41.10	473.44
11-4-'53	" 14-15 2042-2048		41.10	514.54
11-6-'53	" 10-11 2030-2036		41.10	555.64
11-10-'53	" 8-9 1994-2000		46.96	602.60
11-10-'53	" 9-10 2012-2018		41.10	643.70
11-12-'53	" 5-6 2012-2018		41.10	684.80
11-12-'53	" 4-5 2012-2018		41.10	725.90
11-12-'53	" 3-4 2036-2042		41.10	767.00

ITEM 33(a)

(Cont'd.)

(41)

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
11-13-53	Arch 6-7 El. 2012-2018		41.10	10,808.10
11-13-53	" 7-8 2012-2018		41.10	849.20
11-16-53	" 11-12 2048-2054		41.10	890.30
11-16-53	" 14-15 2048-2054		41.10	931.40
11-17-53	" 10-11 2036-2042		41.10	972.50
11-17-53	" 1-2 2054-2060		41.10	11,013.60
11-18-53	" 9-10 2018-2024		41.10	054.70
11-19-53	" 8-9 2000-2006		43.02	097.72
11-19-53	" 5-6 2018-2024		41.10	138.82
11-20-53	" 4-5 2018-2024		41.10	179.92
11-20-53	" 3-4 2042-2048		41.10	221.02
11-23-53	" 6-7 2018-2024		41.10	262.12
11-23-53	" 7-8 2018-2024		41.10	303.22
11-25-53	" 2-3 2060-2068		54.80	358.02
11-27-53	" 14-15 2054-2060		41.10	399.12
11-30-53	" 8-9 2006-2012		41.23	440.35
11-30-53	" 9-10 2024-2030		41.10	11,481.45
12-1-53	" 10-11 2042-2048		41.10	522.55
12-1-53	" 5-6 2024-2030		41.10	563.65

ITEM 33(a)

(Cont'd)

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DATE	DESCRIPTION	STATION	CY PLACED	TOTAL TO DATE
12-3-'53	Arch 4-5	El. 2024-2030	41.10	11,604.75
12-3-'53	" 11-12	2054-2060	41.10	645.85
12-7-'53	" 7-8	2024-2030	41.10	686.95
12-9-'53	" 3-4	2048-2054	41.10	728.05
12-10-'53	" 1-2	2060-2068	54.80	782.85
12-11-'53	" 6-7	2024-2030	41.10	823.95
12-14-'53	" 9-10	2030-2036	41.10	865.05
12-14-'53	" 5-6	2030-2036	41.10	906.15
12-15-'53	" 4-5	2030-2036	41.10	947.25
12-15-'53	" 8-9	2012-2018	41.10	988.35
12-16-'53	" 10-11	2048-2054	41.10	12,029.45
12-17-'53	" 7-8	2030-2036	41.10	070.55
12-18-'53	" 3-4	2054-2060	41.10	111.65
12-21-'53	" 14-15	2060-2068	54.80	166.45
12-22-'53	" 6-7	2030-2036	41.10	207.55
12-23-'53	" 5-6	2036-2042	41.10	248.65
12-24-'53	" 9-10	2036-2042	41.10	289.75
12-28-'53	" 4-5	2036-2042	41.10	330.85
12-29-'53	" 10-11	2054-2060	41.10	371.95

ITEM 33(a) (Contd.)

(43)

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
12-30-'53	Arch 7-8 El. 2036-2042		41.10	12,413.05
12-31-'53	Arch 11-12 El. 2060-2068		54.80	467.85
1-5-'54	Arch 6-7 2036-2042		41.10	508.95
1-5-'54	" 5-6 2042-2048		41.10	550.05
1-6-'54	" 9-10 2042-2048		41.10	591.15
1-7-'54	" 8-9 2018-2024		41.10	632.25
1-8-'54	" 4-5 2042-2048		41.10	673.35
1-8-'54	" 17-18 To El. 2012	Unsymmetrical Arch	26.50	699.85
1-11-'54	" 10-11 El. 2060-2066		41.10	740.95
1-13-'54	" 7-8 2042-2048		41.10	782.05
1-13-'54	" 15-16 To Elev. 2006	Unsymmetrical Arch	40.00	822.05
1-14-'54	" 3-4 El. 2060-2068		54.80	876.85
1-15-'54	" 6-7 2042-2048		41.10	917.95
1-15-'54	" 16-17 To El. 2006	Unsymmetrical Arch	54.66	972.61
1-18-'54	" 5-6 El. 2048-2054		27.39	13,000.00

ITEM # 33(b)

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
1-18-'54	Arch 5-6	El. 2048-2054	13.71	13.71
1-21-'54	" 17-18	2012-2018	31.73	45.44
1-21-'54	" 15-16	2006-2012	34.29	79.73
1-22-'54	" 9-10	2048-2054	41.10	120.83
1-22-'54	" 16-17	2006-2012	41.23	162.06
1-22-'54	" 4-5	2048-2054	41.10	203.16
1-26-'54	" 10-11	2066-2068	13.70	216.86
1-27-'54	" 7-8	2048-2054	41.10	257.96
1-27-'54	" 15-16	2012-2018	41.10	299.06
1-28-'54	" 6-7	2048-2054	41.10	340.16
1-28-'54	" 17-18	2018-2024	41.10	381.26
1-29-'54	" 16-17	2012-2018	41.10	422.36
2-1-'54	" 5-6	2054-2060	41.10	463.46
2-2-'54	" 16-17	2018-2024	41.10	504.56
2-3-'54	" 4-5	2054-2060	41.10	545.66
2-4-'54	" 9-10	2054-2060	41.10	586.76
2-5-'54	" 15-16	2018-2024	41.10	627.86
2-5-'54	" 7-8	2054-2060	41.10	668.96
2-5-'54	" 17-18	2024-2030	41.10	710.06
2-9-'54	" 6-7	2054-2060	41.10	751.16
2-10-'54	" 5-6	2060-2068	54.80	805.96
2-11-'54	" 16-17	2024-2030	41.10	847.06
2-15-'54	" 4-5	2060-2066	41.10	888.16
2-15-'54	" 15-16	2024-2030	41.10	929.26
2-16-'54	" 17-18	2030-2036	41.10	970.36
2-19-'54	" 7-8	2060-2068	54.80	1025.16
2-19-'54	" 16-17	2030-2036	41.10	1066.26
2-23-'54	" 8-9	2024-2030	41.10	1107.36
2-23-'54	" 15-16	2030-2036	41.10	1148.46
2-24-'54	" 4-5	2066-2068	13.70	1162.16
2-25-'54	" 17-18	2036-2042	41.10	1203.26
3-1-'54	" 16-17	2036-2042	41.10	1244.36
3-2-'54	" 6-7	2060-2066	41.10	1285.46
3-3-'54	" 9-10	2060-2068	54.80	1340.26
3-3-'54	" 15-16	2036-2042	41.10	1381.36
3-5-'54	" 8-9	2030-2036	41.10	1422.46

ITEM 33(b) (Cont'd.)

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
3-8-54	Arch 17-18 EL. 2042-2048		41.10	1463.56
3-9-54	Arch 16-17 2042-2048		41.10	1504.66
3-11-54	Arch 6-7 2066-2068		13.70	1518.36
3-11-54	Arch 15-16 2042-2048		41.10	1559.46
3-15-54	Arch 8-9 2036-2039 ⁵		24.00	1583.46
3-16-54	" " 2039 ⁵ -2042		17.10	1600.56
3-18-54	ARCH 17-18 2048-2054		41.10	1641.66
3-18-54	" 16-17 2048-2054		41.10	1682.76
3-19-54	" 15-16 2048-2054		41.10	1723.86
3-26-54	" 8-9 2042-2048		41.10	1764.96
3-29-54	" 16-17 2054-2060		41.10	1806.06
3-30-54	" 17-18 2054-2060		41.10	1847.16
4-1-54	ARCH 15-16 2054-2060		41.10	1888.26
4-5-54	" 8-9 2048-2054		41.10	1929.36
4-7-54	" 16-17 2060-2068		54.80	1984.16
4-12-54	" 17-18 EL. 2060-2068		54.80	2038.96
4-14-54	" 8-9 EL. 2054-2060		41.10	2080.06
4-15-54	" 15-16 EL. 2060-2068		54.80	2134.86
4-23-54	" 8-9 EL. 2060-2068		54.80	2189.66

ARCHES COMPLETE

Date Placed	Description	Station	Cu. Yds. placed	Total cu. yds. to Date
Feb. 26, 1953 to Feb. 26, 1953	Arch Ring 9-10; to El. 1928.0	D-1540.0 to D-1600.0	193.88	193.88
Feb. 27-'53	Arch Ring 10-11; to El. 1937.0		31.10	224.98
Mar. 13-'53	Arch Ring 11-12; to El. 1964.0		130.50	355.48
Mar. 11-'53	Arch Ring 10-11; to El. 1946.0		112.34	467.82
Mar. 18-'53	Arch Ring 12-13; to El. 1982.0		137.26	605.08
Mar. 25-'53	Arch Ring 9-10; 1928-1934		98.21	703.29
Mar. 25-'53	Arch Ring 13-14; To El. 1994		67.76	771.05
4-1-'53	" " 10-11 El. 1946-1952		83.04	854.09
4-9-'53	" " 11-12 El. 1964-1970		68.31	922.40
4-10-'53	" " 12-13 El. 1982-1988		54.78	977.18
4-15-'53	" " 7-8 Old steps to 1922		137.63	1114.81
4-21-'53	" " 10-11 El. 1952-1958		78.00	1192.81
4-22-'53	" " 9-10 El. 1934-1940		93.53	1286.34
4-24-'53	" " 7-8 El. 1922-1928		103.66	1390.00
4-29-'53	" " 11-12 El. 1970-1976		63.67	1453.67
5-7-'53	Arch Ring 12-13 El. 1988-1994		50.45	1504.12
5-7-'53	" " 13-14 El. 1994-2000		46.96	1551.08
5-7-'53	" " 10-11 El. 1958-1964		73.09	1624.17

Item

#33(a) (Cont'd.)

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
5-11-53	Arch Ring 9-10 El. 1940-1946		88.22	1712.39
5-14-53	" " 7-8 El. 1928-1934		98.98	1811.37
5-19-53	" " 11-12 El. 1976-1982		59.16	1870.53
5-25-53	" " 12-13 El. 1994-2000		46.96	1917.49
5-25-53	" " 13-14 El. 2000-2006		43.02	1960.51
5-26-53	" " 8-9 ^{From Old Steps &} El. 1911.9 to 1922		189.66	2150.17
5-28-53	" " 7-8 El. 1934-1940		93.53	2243.70
5-28-53	" " 10-11 El. 1964-1970		68.31	2312.01
6-3-53	Arch Ring 9-10 El. 1946-1952		83.04	2395.05
6-3-53	" " 11-12 El. 1982-1988		54.78	2449.83
6-3-53	" " 14-15 ^{Old Steps to} El. 2006		46.76	2496.59
6-9-53	" " 12-13 El. 2000-2006		43.02	2539.61
6-9-53	" " 13-14 El. 2006-2012		41.23	2580.84
6-9-53	" " 8-9 El. 1922-1928		103.66	2684.50
6-11-53	" " 7-8 El. 1940-1946		88.22	2772.72
6-15-53	10-11 El. 1970-1976		63.67	2836.39
6-16-53	9-10 El. 1952-1958		78.00	2914.39
6-16-53	11-12 El. 1988-1994		50.45	2964.84

#33(a) (Cont'd.)

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Item

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
6-17-'53	Arch Ring A-15 Old Steps & El. 2006 to 2012		40.64	3005.48
6-19-'53	" " 8-9 El. 1928 - 1934		98.98	3104.46
6-22-'53	" " 6-7 From top of Cutoff To El. 1934		159.74	3264.20
6-22-'53	" " 5-6 From top of Cutoff To El. 1940		41.03	3305.23
6-22-'53	" " 12-13 El. 2006-2012		41.23	3346.46
6-22-'53	" " 13-14 El. 2012-2018		41.10	3387.56
6-25-'53	" " 7-8 El. 1946-1952		83.04	3470.60
6-26-'53	" " 10-11 El. 1976-1982		59.16	3529.76
6-26-'53	" " 14-15 El. 2012-2018		41.10	3570.86
6-30-'53	" " 9-10 El. 1958-1964		73.09	3643.95
6-30-'53	" " 11-12 El. 1994-2000		46.96	3690.91
7-1-'53	" " 8-9 El. 1934-1940		93.53	3784.44
7-2-'53	" " 6-7 El. 1934-1940		93.53	3877.97
7-2-'53	" " 12-13 El. 2012-2018		41.10	3919.07
7-3-'53	" " 13-14 El. 2018-2024		41.10	3960.17
7-7-'53	" " 14-15 El. 2018-2024		41.10	4001.27
7-8-'53	7-8 El. 1952-1958		78.00	4079.27
7-10-'53	2-3 Top of Cutoff to El. 1988		37.28	4116.55
7-10-'53	4-5 Top of Cutoff to El. 1958		61.66	4178.21

ITEM

33(a) (Cont'd.)

Date Placed	Description	Station	Cu. Yd. Placed	Total to Date
7-10-'53	Arch Ring 10-11 El. 1982-1985	Stop Pour	27.00	4205.21
7-13-'53	" " 10-11 El. 1985-1988	Finish Pour	27.78	4232.99
7-13-'53	" " 11-12 El. 2000-2006		43.02	4276.01
7-13-'53	" " 9-10 El. 1964-1970		68.31	4344.32
7-15-'53	" " 12-13 El. 2018-2024		41.10	4385.42
7-15-'53	" " 13-14 El. 2024-2030		41.10	4426.52
7-16-'53	" " 3-4 ^{Top of Cutoff to} El. 1976		86.22	4512.74
7-17-'53	" " 6-7 El. 1940-1946		88.22	4600.96
7-20-'53	" " 8-9 El. 1940-1946		88.22	4689.18
7-21-'53	" " 7-8 El. 1958-1964		73.09	4762.27
7-23-'53	" " 6-7 El. 1946-1952		83.04	4845.31
7-23-'53	" " 9-10 El. 1970-1976		63.67	4908.98
7-24-'53	" " 12-13 El. 2024-2030		41.10	4950.08
7-24-'53	" " 13-14 El. 2030-2036		41.10	4991.18
7-27-'53	" " 11-12 El. 2006-2012		41.23	5032.41
7-28-'53	" " 6-7 El. 1952-1958		78.00	5110.41
7-29-'53	" " 10-11 El. 1988-1994		50.45	5160.86
7-30-'53	" " 7-8 El. 1964-1970		68.31	5229.17

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Item		#33(a) (Cont'd.)		
Date Placed	Description	Station	C.Y. Placed	Total to Date
7-31-'53	Arch Ring 8-9 El. 1946-1952		83.04	5312.21
8-3-'53	" " 9-10 El. 1976-1982		59.16	5371.37
8-3-'53	" " 2-3 ^{Top of Cutoff} to El. 1994		27.77	5399.14
8-5-'53	" " 13-14 El. 2036-2042		41.10	5440.24
8-6-'53	" " 12-13 El. 2030-2036		41.10	5481.34
8-7-'53	" " 5-6 ^{Top of Cutoff of} El. 1940 to 1946		63.41	5544.75
8-7-'53	" " 6-7 El. 1958-1964		73.09	5617.84
8-11-'53	" " 10-11 El. 1994-2000		46.96	5664.80
8-11-'53	" " 11-12 El. 2012-2018		41.10	5705.90
8-13-'53 to 8-14-'53	" " 5-6 El. 1946-1952		83.04	5788.94
8-14-'53	" " 1-2 ^{Top of Cutoff} to El. 2018		61.48	5850.42
8-17-'53	" " 7-8 El. 1970-1976		63.67	5914.09
8-18-'53	" " 8-9 El. 1952-1958		78.00	5992.09
8-19-'53	" " 3-4 El. 1976-1982		59.16	6051.25
8-19-'53	" " 6-7 El. 1964-1970		68.31	6119.56
8-20-'53	" " 5-6 El. 1952-1954 ^s	Pour Stopped	32.50	6152.06
8-21-'53	" " 5-6 El. 1954 ^s -1958	Finish Pour	45.50	6197.56
8-21-'53	" " 13-14 El. 2042-2048		41.10	6238.66
8-24-'53	" " 12-13 El. 2036-2042		41.10	6279.76

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CONT'D.

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DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
8-26-'53	Arch 1-2 El. 2018-2024		41.10	6320.86
8-26-'53	Arch 3-4 El. 1982-1988		54.78	6375.64
8-26-'53	Arch 5-6 El. 1958-1964		73.09	6448.73
8-26-'53	Arch 11-12 El. 2018-2024		41.10	6489.83
8-27-'53	Arch 10-11 El. 2000-2006		43.02	6532.85
8-28-'53	Arch 6-7 El. 1970-1976		63.67	6596.52
8-28-'53	Arch 7-8 El. 1976-1982		59.16	6655.68
8-28-'53	Arch 8-9 El. 1958-1964		73.09	6728.77
8-31-'53	Arch 5-6 El. 1964-1970		68.31	6797.08
9-1-'53	Arch 3-4 El. 1988-1994		50.45	6847.53
9-2-'53	Arch 1-2 El. 2024-2030		41.10	6888.63
9-2-'53	Arch 9-10 El. 1982-1988		54.78	6943.41
9-2-'53	Arch 13-14 El. 2048-2054		41.10	6984.51
9-4-'53	Arch 2-3 ^{Top of Cutoff &} El. 1994 to El. 2006		71.96	7056.47
9-4-'53	Arch 5-6 El. 1970-1976		63.67	7120.14
9-4-'53	Arch 12-13 El. 2042-2048		41.10	7161.24
9-8-'53	Arch 3-4 El. 1994-2000		46.96	7208.20
9-8-'53	Arch 11-12 El. 2024-2030		41.10	7249.30
9-10-'53	Arch 8-9 El. 1964-1970		68.31	7317.61

ITEM #33(a)

CONT'D.

Item

No. 33(a)

Date Placed	Description	Station	Cu. Yds Placed	Total Cu. Yds to Date
9-10-'53	Arch 4-5 El. 1958 & Top of Cutoff to El. 1964		63.78	7381.39
9-11-'53	Arch 7-8 El. 1982-1988		54.78	7436.17
9-11-'53	Arch 2-3 El. 2006-2012		41.23	7477.40
9-11-'53	Arch 5-6 El. 1976-1982		59.16	7536.56
9-11-'53	Arch 6-7 El. 1976-1982		59.16	7595.72
9-14-'53	Arch 10-11 El. 2006-2012		41.23	7636.95
9-14-'53	Arch 3-4 El. 2000-2006		43.02	7679.97
9-15-'53	Arch 9-10 El. 1988-1994		50.45	7730.42
9-15-'53	Arch 13-14 El. 2054-2060		41.10	7771.52
9-16-'53	Arch 2-3 El. 2012-2018		41.10	7812.62
9-17-'53	Arch 4-5 El. 1964-1970		68.31	7880.93
9-17-'53	Arch 11-12 El. 2030-2036		41.10	7922.03
9-18-'53	Arch 1-2 El. 2030-2036		41.10	7963.13
9-18-'53	Arch 12-13 El. 2048-2054		41.10	8004.23
9-21-'53	Arch 2-3 El. 2018-2024		41.10	8045.33
9-21-'53	Arch 4-5 El. 1970-1976		63.67	8109.00
9-23-'53	Arch 8-9 El. 1970-1976		63.67	8172.67
9-24-'53	Arch 5-6 El. 1982-1988		54.78	8227.45

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
9-24-'53	Arch 6-7 El. 1982-1988		54.78	8282.23
9-24-'53	Arch 7-8 El. 1988-1994		50.45	8332.68
9-24-'53	Arch 9-10 El. 1994-2000		46.96	8379.64
9-25-'53	Arch 2-3 El. 2024-2030		41.10	8420.74
9-25-'53	Arch 4-5 El. 1976-1982		59.16	8479.90
9-29-'53	Arch 10-11 El. 2012-2018		41.10	8521.00
9-29-'53	Arch 4-5 El. 1982-1988		54.78	8575.78
9-30-'53	Arch 12-13 El. 2054-2060		41.10	8616.88
9-30-'53	Arch 3-4 El. 2006-2012		41.23	8658.11
10-1-'53	Arch 1-2 El. 2036-2042		41.10	8699.21
10-1-'53	Arch 8-9 El. 1976-1982		59.16	8758.37
10-2-'53	Arch 5-6 El. 1988-1994		50.45	8808.82
10-2-'53	Arch 6-7 El. 1988-1994		50.45	8859.27
10-2-'53	Arch 7-8 El. 1994-2000		46.96	8906.23
10-5-'53	Arch 4-5 El. 1988-1994		50.45	8956.68
10-6-'53	Arch 2-3 El. 2030-2036		41.10	8997.78
10-7-'53	Arch 9-10 El. 2000-2006		43.02	9040.80
10-7-'53	Arch 3-4 El. 2012-2018		41.10	9081.90
10-8-'53	Arch 14-15 El. 2024-2030		41.10	9123.00

(CONTINUED ON PAGE 39)

Item No. 34

Date Placed	Description	Station	Cu. Yds Placed	Total Cu. Yds to Date
7-13-53	Strut 11-12 Add 2' to Top El. 2000-2002	Mid-stream Butt. Bracing	14.39	14.39
7-30-53	" 9-10 Add 2' to Top El. 2000-2002	" "	14.39	28.78
2-25-54	" 9-10 Add 1' to Top El. 1940-1941	Downstream Butt. Bracing	6.44	35.22
3-3-54	" 9-10 " " " "	Mid-Stream Butt. Bracing	6.44	41.66

Date Placed	Description	Item	No. 35 Station	Cu. yds Placed	Total Cu. Yds to Date
11-6-'53	Arch. Strut 7-8 To El. 1937		Mid-Stream Buttress Bracing	19.00	19.00
11-17-'53	" " 7-8 To El. 1940		" " "	22.95	41.95
2-3-'54	Arch Strut 7-8 To El. 1937		Downstream Buttress Bracing	20.00	61.95
2-11-'54	" " 7-8 To El. 1940		" " "	21.77	83.72
2-19-'54	" " 5-6 To El. 1997		Mid-stream Butt. Bracing	20.00	103.72
2-24-'54	" " 5-6 To El. 2000		" "	25.77	129.49
3-5-'54	Arch Strut 7-8 To El. 1997		Downstream Butt. Bracing	20.00	149.49
3-10-'54	" " 5-6 To El. 1997		Downstream	20.00	169.49
3-12-'54	" " 7-8 To El. 2000		"	25.77	195.26
3-16-'54	Arch Strut 5-6 To El. 2000		Downstream	25.77	221.03
4-2-'54	ARCH STRUT 7-8 To El. 1997		MID-STREAM BUTT. BRACING	20.00	241.03
4-8-'54	" " 7-8 To El. 2000		MID-STREAM BUTT. BRACING	25.77	266.80

Item No. 36

Date Placed	Description	Station	Cu. Yds Placed	Total Cu. Yds. to Date
Feb. 10, 1953 to Feb. 10, 1953	Rectangular Strut - El. 2036	D-1780 to D-1840	29.54	29.54
Mar. 13, 1953	Rectangular Strut El. 2036		29.54	59.08
Mar. 31, 1953	Rectangular Strut	Between 9 & 10	29.54	88.62
4-7-1954	RECTANGULAR STRUT 7-8 EL. 2036		29.54	118.16
4-15-54	RECTANGULAR STRUT 5-6	EL. 2036	29.54	147.70
4-20-54	RECTANGULAR STRUT 15-16	EL. 2036	29.54	177.24

TOTAL ITEM #36 = 177.24
CU. YDS.

Date Placed	Description	Item	No. 37(a) Station	Cu. Yds. Placed	Total Cu. Yds. to Date
Dec. 29, 1952 to					
Dec. 30, 1952	Buttress No. 7	- to El. 1928	L-958.0 to L-1110.8	534.40	534.40
Jan. 20, 1953 to					
Jan. 20, 1953	Buttress No. 7	- to El. 1940	L-962.8 to L-1055.6	375.43	909.83
Jan. 30, 1953 to					
Jan. 30, 1953	Buttress No. 6	El. 1940 to - El. 1938	L-959.0 to L-1068.0	675.53	1585.36
Feb. 10, 1953 to					
Feb. 10, 1953	Buttress No. 13	El. 2030 to El. 2036	L-991.94 to L-1032.57	66.55	1651.91
Feb. 10, 1953 to					
Feb. 10, 1953	Buttress No. 14	El. 2029.5 to El. 2036.0	L-991.88 to L-1032.57	72.10	1724.01
Feb. 13, 1953 to					
Feb. 13, 1953	Buttress No. 7	El. 1903.0 to El. 1917.0	L-1140.0 to L-1149.5	49.80	1773.81
Mar. 9, 1953	Buttress No. 7	to El. 1928 in front of L-1110.8		116.50	1890.31
Mar. 13, 1953	Buttress No. 11	2030 to 2036		66.55	1956.86
Mar. 13, 1953	Buttress No. 12	2030 to 2036		66.55	2023.41
Mar. 17, 1953	Buttress No. 7	to El. 1940 in front of Pilaster II		327.41	2350.82
Mar. 27, 1953	Buttress No. 7	El. 1940 to 1952		609.58	2960.40
Mar. 19, 1953	Buttress 13 & 14	El. 2036 to 2048		227.52	3187.92
3 - 31 - '53	9 & 10	El. 2030 to 2036		133.10	3321.02
4 - 2 - '53	13 & 14	El. 2048 to 2060		167.74	3488.76
4 - 3 - '53	No. 12	El. 2036 to 2048		112.96	3601.72
4 - 6 - '53	No. 15	Old Conc. to 2024		204.00	3805.72
4 - 6 - '53	No. 11	El. 2036 to 2048		112.96	3918.68
4 - 8 - '53	No. 7	El. 1952 to 1964		491.00	4409.68
4 - 13 - '53	No. 4	To El. 1960		79.29	4488.97

Item No. 37(a) (Cont'd)

Date Placed	Description	Station	C.Y. Placed	Total to Date
4-14-53	Buttress No. 8 El. 1970-1976		195.30	4684.27
4-16-53	9 & 10 El. 2036-2048		225.92	4910.19
4-16-53	No. 15 El. 2024-2036		140.55	5050.74
4-17-53	No. 7 El. 1964-1976		408.94	5459.68
4-21-53	No. 11 El. 2048-2060		83.87	5543.55
4-22-53	No. 6 To El. 1932	L-1116 to Cutoff	14.06	5557.61
4-24-53	No. 12 El. 2048-2060		83.87	5641.48
4-27-53	No. 5 To El. 1939		133.42	5774.90
4-29-53	No. 15 El. 2036-2048		112.96	5882.86
4-29-53	No. 1 To El. 2014		15.05	5902.91
5-1-53	Buttress No. 8 El. 1976-1988		338.09	6241.00
5-4-53	No. 7 El. 1976-1988		338.09	6579.09
5-4-53	No. 5 El. 1939-1946		140.77	6719.86
5-5-53	No. 6 El. 1932-1938	L-1068 to L-1136.5	204.55	6924.41
5-6-53 to 5-7-53	No. 9 El. 2048-2060		83.87	7008.28
5-6-53 to 5-7-53	No. 10 El. 2048-2060		83.87	7092.15
5-7-53	No. 13 El. 2060-2068 [±]		36.02*	7128.17
5-7-53	No. 14 El. 2060-2068 [±]		36.02*	7164.19

37(a) (Cont'd)

Item

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
5-5-53	Pier #1 To El. 2053		89.53	7253.72
5-8-53	Buttress #1 El. 2014-2026 ^s		110.75	7364.47
5-8-53	Pier #4 El. 2014-2026 ^s		196.71	7561.18
5-11-53	Buttress #8 El. 1988-2000		274.12	7835.30
5-12-53	Buttress #6 El. 1938-1952		685.38	8520.68
5-13-53	Pier #1 El. 2053-2057		45.28	8565.96
5-14-53	Buttress #7 El. 1988-2000		274.12	8840.08
5-20-53	Buttress #5 To El. 1946		80.39	8920.47
5-21-53	Buttress #1 El. 2026 ^s -2036		71.84	8992.31
5-21-53	Pier #4 El. 2026 ^s -2036		133.09	9125.40
5-22-53	Buttress #6 El. 1952-1964		491.00	9616.40
5-25-53	" #15 El. 2048-2060		83.87	9700.27
5-27-53	" #5 El. 1946-1960		660.52	10,360.79
5-28-53	" #11 El. 2060-2068 ^s		36.02*	396.81
5-28-53	" #12 El. 2060-2068 ^s		36.02*	432.83
5-29-53	" #4 To El. 1962	L-1043 to L-1104.7	111.15	10,543.98
6-1-53	Buttress #8 El. 2000-2012		216.82	760.80
6-2-53	" #6 El. 1964-1976		408.94	11,169.74

37 (a) (Cont'd)

DATE	DESCRIPTION	Item	STATION	C.Y. PLACED	TOTAL TO DATE
6-4-53	Buttress #1	El. 2036-2048		82.66	11,252.40
6-4-53	Pier #4	El. 2036-2048		163.73	416.13
6-5-53	Buttress #4	From El. 1962 & 1960 to 1976	Poured from Rock to Rock	559.46	975.59
6-10-53	Buttress #5	El. 1960-1976		561.06	12,536.65
6-11-53	" #3	To El. 1974	L-1092.6 to 1078.0	16.67	553.32
6-12-53	" #6	El. 1976-1988		338.09	891.41
6-15-53	Butt. #9 & #10	El. 2060-2068 [±]		66.14	957.55
6-17-53	Buttress #8	El. 2012-2024		173.31	13,130.86
6-18-53	" #3	To El. 1988		266.15	397.01
6-19-53	" #7	El. 2000-2012		216.82	613.83
6-23-53	" #5	El. 1976-1988		338.09	951.92
6-23-53	" #6	El. 1988-2000		274.12	14,226.04
6-24-53	" #2	To El. 2004		14.48	240.52
6-25-53	" #1	El. 2048-2053		27.56	268.08
6-25-53	Pier #4	El. 2048-2053		67.31	335.39
6-26-53	Buttress #4	El. 1976-1988		338.09	673.48
6-29-53	" #3	El. 1988-2000	Poured Rock to Rock	316.39	989.87
6-30-53	" #8	El. 2024-2036		140.55	15,130.42
			* MINUS	11.80	15,118.62

37(a) (Contd.)

Item

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
7-1-'53	Buttress #7 El. 2012-2024		173.31	15,291.93
7-1-'53	" #15 El. 2060-2068 ⁵		33.07	325.00
7-3-'53	" #5 El. 1988-2000		274.12	599.12
7-7-'53	" #6 El. 2000-2012		216.82	815.94
7-8-'53	" #2 To El. 2012		163.51	979.45
7-9-'53	" #3 El. 2000-2012		20.55	16,000.00

Date Placed	Description	Item	No. 37 (b)		Total Cu. Yds. to Date
			Station	Cu. Yds. Placed	
7-9-'53	Buttress #3	El. 2000-2012		196.27	196.27
7-9-'53	" #4	El. 1988-2000		274.12	470.39
7-13-'53	" #8	El. 2036-2048		112.96	583.35
7-14-'53	" #2	El. 2012-2024	Poured Rock to Rock.	163.53	746.88
7-15-'53	" #7	El. 2024-2036		140.55	887.43
7-16-'53	" #5	El. 2000-2012		216.82	1104.25
7-17-'53	" #1	El. 2053-2059		24.44	1128.69
7-17-'53	Pier #4	El. 2053-2057		47.72	1176.41
7-20-'53	Buttress #6	El. 2012-2024		173.31	1349.72
7-22-'53	" #3	El. 2012-2024		173.31	1523.03
7-23-'53	" #2	El. 2024-2036		140.55	1663.58
7-24-'53	" #4	El. 2000-2012		216.82	1880.40
7-27-'53	" #7	El. 2036-2048		112.96	1993.36
7-30-'53	" #6	El. 2024-2036		140.55	2133.91
7-31-'53	" #5	El. 2012-2024		173.31	2307.22
8-4-'53	" #4	El. 2012-2024		173.31	2480.53
8-6-'53	" #7 & #8	El. 2048-2060		167.74	2648.27

37(b) (Cont'd.)

(63)

Date	Item Description	Station	C.Y. Placed	Total to Date
8-7-53	Butt. #2 El. 2036-2048		112.96	2761.23
8-10-53	Butt. #1 El. 2059-2068 ⁵		28.12	2789.35
8-11-53	Butt. #3 El. 2024-2036		140.55	2929.90
8-13-53	Butt. #5 El. 2024-2036		140.55	3070.45
8-18-53	Butt. #6 El. 2036-2048		112.96	3183.41
8-20-53	Butt. #7 & #8 El. 2060-2068 ⁵		66.14	3249.55
8-21-53	Butt. #3 El. 2036-2048		112.96	3362.51
8-24-53	Butt. #4 El. 2024-2036		140.55	3503.06
8-27-53	Butt. #5 El. 2036-2048		112.96	3616.02
8-31-53	Butt. #2 & #3 El. 2048-2060		167.74	3783.76
9-3-53	Butt. #4 El. 2036-2048		112.96	3896.72
9-14-53	Butt. #2 & #3 El. 2060-2068 ⁵		66.14	3962.86
9-16-53	Butt. #5 & #6 El. 2048-2060		167.74	4130.60
9-28-53	Butt. #5 & #6 El. 2060-2068 ⁵		66.14	4196.74
9-29-53	Butt. #4 El. 2048-2060		83.87	4280.61
10-6-53	Butt. #4 El. 2060-2068 ⁵		33.07	4313.68
10-22-53	Butt. #18 To Elev. 2024		65.98	4379.66
10-30-53	Butt. #18 El. 2024-2036		87.33	4466.99
11-9-53	Butt. #18 El. 2036-2048		82.66	4549.65

Item

37 (b) (Cont'd.)

64

Date	Description	Station	C.Y. Placed	Total to Date
11-24-'53	Butt. #17 Pour interrupted	by breakdown	120.00	4669.65
11-25-'53	Butt. #17 To El. 2012	Pour finished	55.57	4725.22
12-2-'53	Butt. #16 To El. 1994		80.21	4805.43
12-8-'53	Butt. #16 El. 1994-2003		192.38	4997.81
12-9-'53	Butt. #18 El. 2048-2060		58.11	5055.92
12-10-'53	Butt. #17 El. 2012-2024		173.31	5229.23
12-16-'53	Butt. #16 El. 2003-2012		171.69	5400.92
12-18-'53	Butt. #17 El. 2024-2036		140.55	5541.47
12-24-'53	Butt. #16 El. 2012-2024		173.31	5714.78
12-31-'53	Butt. #17 El. 2036-2048		112.96	5827.74
1-8-'54	Butt. #16 El. 2024-2036		140.55	5968.29
1-29-'54	Butt. #16 El. 2036-2048		112.96	6081.25
2-2-'54	Butt. #18 El. 2060-2068 ^s		21.94	
2-4-'54	Butt. #17 El. 2048-2060		83.87	
2-12-'54	Butt. #16 El. 2048-2060		83.87	
2-16-'54	Butt. #17 El. 2060-2068 ^s		33.07	6304.00
3-2-'54	Butt. #16 El. 2060-2068 ^s		33.07	6337.07

Date Placed	Item Description	No. 38		
		Station	Cu. Yds. Placed	Total Cu. Yds. to Date
11-27-'53	Diaphragm 6-7 To El. 1952	Mid-Buttress Bracing	15.00	15.00
12-14-'53	" 6-7 El. 1952-1964	" "	40.44	55.44
12-30-'53	" 6-7 El. 1964-1976	" "	41.33	96.77
1-7-'54	" 6-7 El. 1976-1988	" "	42.22	138.99
1-14-'54	" 6-7 1988-2000	" "	43.11	182.10
1-15-'54	" 10-11 To El. 1964	Mid-Stream Butt. Bracing	48.93 49.18	231.28
1-22-'54	" 6-7 To El. 1952	Downstream Butt. Bracing	14.29	245.57
1-27-'54	" 10-11 El. 1964-1976	Mid-Stream Butt. Bracing	41.47	287.04
2-1-'54	" 6-7 El. 1952-1964	Downstream Butt. Bracing	40.44	327.48
2-4-'54	" 10-11 El. 1976-1988	Mid-Stream Buttress Bracing	42.36	369.84
2-8-'54	" 6-7 El. 1964-1976	Downstream Butt. Bracing	41.33	411.17
2-11-'54	" 10-11 El. 1988-2000	Mid-stream Butt. Bracing	43.25	454.42
2-15-'54	" 6-7 El. 1976-1988	Downstream Butt. Bracing	42.22	496.64
2-17-'54	" 10-11 El. to 1964	Downstream Butt. Bracing	24.12	520.76
2-22-'54	" 6-7 El. 1988-2000	Downstream Butt. Bracing	43.11	563.87
3-1-'54	" 10-11 El. 1964-1976	" "	41.47	605.34
2-26-'54	" 6-7 El. 2000-2012	" "	43.96	649.30
3-4-'54	" 6-7 El. 2012-2024	" "	44.78	694.08

Item # 38

(Cont'd.)

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DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
3-5-54	Diaphragm 10-11 El. 1976-1988	Downstream	42.36	736.44
3-11-54	" 6-7 El. 2024-2036	"	45.56	782.00
3-12-54	" 10-11 El. 1988-2000	"	43.25	825.25
3-19-54	DIAPHRAM 10-11 El. 2000-2012	"	44.10	869.35
3-26-54	" 3-4 To EL. 2024	"	46.64	915.99
3-31-54	DIAPHRAM 10-11 EL. 2012-2024	"	44.92	960.91
4-2-54	DIAPHRAM 3-4 EL. 2024-2036	DOWNSTREAM	45.56	1006.47
4-7-54	DIAPHRAM 10-11 EL. 2024-2036	"	45.63	1052.10
4-9-54	DIAPHRAM 14-15 To EL. 2024	"	37.47	1089.57
4-14-54	DIAPHRAM 14-15 EL. 2024-2036	"	45.60	1135.17

FINAL PAY

QUANTITY

ITEM #38

1135 CUBIC YARDS

Date Placed	Description	No. 39	Station	Cu. Yds. Placed	Total Cu. Yds. to Date
5-5-'53	East Gravity Sec. To El. 2053		D-876 to D-866	21.80	21.80
5-13-'53	" " " To El. 2059			50.82	72.62
6-3-'53	East Gravity Sec. To El. 2066		5 SACK	51.10	123.72
6-25-'53	" " " To El. 2076			55.49	179.21
10-22-'53	West Gravity Sec. To El. 2024			105.07	284.28
10-30-'53	" " " El. 2024-2036			257.26 260.90	545.18
11-9-'53	West Gravity Sec. El. 2036-2048			291.50	836.68
12-9-'53	" " " El. 2048-2060			233.47	1070.15
2-2-'54	" " " El. 2060-2068 ⁵			88.93	1159.08

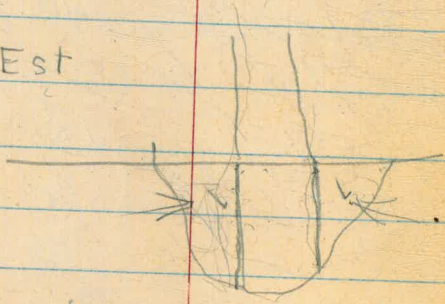
		Item	No. 40			
Date Placed	Description		Station	Cu. Yds. Placed	Total Cu. Yds. to Date	
5-21-53	Ogee Section	El. 2026 ⁵ to 2036	L-1010 to L-1026	33.30	33	30
6-4-53	Ogee Section	L-1010 to L-1026 To El. 2050 & Bottom	D-1021 to D-1051 of Floor.	191.28	224	58
9-1-53	Ogee Section	D-883 to D-908	L-1010 to L-1026 Inc. Overbreak.	120.73	345	31
9-9-53	Ogee Section	D-908 to D-967	L-1010 to L-1026 Inc. Overbreak.	291.56	636	87
9-15-53	Ogee Section	D-1026 to D-1051	L-1010 to L-1026 Inc. Overbreak.	80.31	717	18
9-22-53	Ogee Section	D-967 to D-1004	L-1010 to L-1026 Inc. Overbreak.	200.00	917	18
4-30-54	Ogee Section	D-1004 to D-1026	L-1010 to L-1026 Inc. Overbreak.	122.01	1039	19

Date Placed	Description	Item	No. 41(a)	Station	Cu. Yds. Placed	Total Cu. Yds. to Date
Jan. 27, 1953 to Jan. 27, 1953	Cutoff Spillway Weir - to El. 2050			D-891.6 to D-963.4	89.55 ✓	89.55
Feb 13, '53	Arch. Ring Cutoff 7-8			D-1479 to D-1410.2	365 cu. 337.44 ✓	426.99
4-22-'53	Arch Ring Cutoff 6-7	D-1346 + D-1413.4		Inc. Butt. #6 Cutoff From Pier #4 to D-1078.5	+ 227.70 ✓	654.69
4-29-'53	Arch Ring Cutoff 1-2				58.69 ✓	713.38
5-5-'53	Cutoff Spillway Weir To El. 2050			D-883 to D-891.62	9.93 ✓	723.31
5-5-'53	Cutoff Gravity Sec. To El. 2053			D-871 to D-856	3.28	726.59
5-13-'53	Cutoff Gravity Sec. To El. 2059				4.42	731.01
5-20-'53	Cutoff 5-6	D-1346 to 1286		Inc. Butt. #5 Cutoff	147.43 ✓	878.44
5-21-'53	Cutoff Spillway Weir To El. 2036				0.00	878.44
5-29-'53	Cutoff 4-5	D-1285.86 to 1225.86 Inc. Butt. Cutoff			143.94 ✓	1022.38
6-3-'53	Cutoff Gravity Sec. To El. 2066				12.60 ✓	1034.98
6-4-'53	Cutoff Spillway Weir			D-963.37 to D-1051 ✓	173.00 ✓	1207.98
6-11-'53	Cutoff 3-4	D-1165.86 to D-1225.86		Inc. Butt. #3 Cutoff	64.71 ✓	1272.69
6-24-'53	Cutoff 2-3	D-1105.9 to D-1165.9			85.60 ✓	1358.29
6-25-'53	EAST Cutoff Gravity Sec. To El. 2073				17.41	1375.70
7-2-'53	Cutoff 1-2	D-1078.5 to D-1105.9			40.40 ✓	1416.10
10-15-'53	Cutoff 17-18	D-2070 to D-2086			22.23 ✓	1438.33
11-18-'53	Cutoff 17-18	D-2010 to D-2070			52.79 ✓	1491.12
12-2-'53	Cutoff 16-17	D-1950 to D-2010			48.22 ✓	1539.34

Item #41(a) (Cont'd.)

Date	Description	Station	C.Y. Placed	Total to Date
12-7-'53	Cutoff 15-16 Deep hole west	of Butt. #15	67.00	✓ 1606.34
12-11-'53	Cutoff 15-16 D-1906 to D-1950		291.35	✓ 1897.69
4-16-54	WEST GRAVITY CUTOFF TO EL. 2068 ²		38.87	1936.56

Est



Item

No. 41(b)

Date Placed

Description

Station

Cu. Yds. Placed

Total Cu. Yds. to Date

4-11-55
 4-12-55
 4-13-55
 4-14-55
 4-15-55

Station	Cu. Yds. Placed	Total Cu. Yds. to Date
D-14.00	37.44	37.44
D-14.00	37.70	75.14
D-14.00	37.70	112.84

Date Placed	Description	Item	No. 42 Station	Cu. Yds. Placed	Total Cu. Yds. to Date
3-11-'53	Outlet Works - Slab of Trash Rack			29.77	29.77
4-1-'53	Trash Rack			20.44	50.21
10-2-'53	Outlet Foundation; 6 South Piers; Inc. 3 Footings			24.74	74.95
10-6-'53	Valve House Floor Slab, Top of		Floor El. 1932	19.21	94.16
10-12-'53	Valve House Walls, To El. 1938			30.00	124.16
10-30-'53	Valve House Walls, To El. 1946 ³³		Finish	37.99	162.15
10-13-'53	Valve House Piers, 4 Piers			3.92	166.07
10-30-'53	Valve House Thrust Block			6.96	173.03
11-2-'53	H-B Valve Anchorage ^{To Top of Floor}		El. 1926	23.00	196.03
11-4-'53	Thrust Blocks, Three			12.50	208.53
11-12-'53	H-B Valve House, Finish			8.28	216.81

FINAL PAY
 QUANTITY = 226 C.Y.

Date Placed	Description	Item	No. 43 Station	Cu. Yds. Placed	Total Cu. Yds. to Date
10-19-53	Arch 13-14	El. 2068-2068 ⁵⁰		3.43	3.43
11-3-53	Arch 12-13	" "		3.43	6.86
11-25-53	Arch 2-3	" "		3.43	10.29
12-10-53	Arch 1-2	" "		3.43	13.72
12-21-53	Arch 14-15	" "		3.43	17.15
12-21-53	Walkway 13-14	Above El. 2068 ⁵	Not Inc. Parapet	24.24	41.39
12-23-53	Walkway 12-13	Above El. 2068 ⁵	Not Inc. Parapet	24.24	65.63
12-30-53	Walkway 2-3	" " "	" " "	24.24	89.87
8-25-53	Parapet & Walkway	Adjacent to Pier #4	East of & Butt. #1	2.36	92.23
12-31-53	Arch 11-12	El. 2068-2068 ⁵⁰		3.43	95.66
1-6-54	Walkway 1-2	Above El. 2068 ⁵	Not Inc. Parapet	24.24	119.90
1-14-54	Walkway 14-15	" " "	" " "	24.24	144.14
1-14-54	Arch 3-4	El. 2068-2068 ⁵		3.43	147.57
1-26-54	Arch 10-11	El. 2068-2068 ⁵		3.43	151.00
2-1-54	Walkway 11-12	Above El. 2068 ⁵	Not Inc. Parapet	24.24	
2-9-54	Walkway 3-4	" " "	" " "	24.24	
2-10-54	Parapet 13-14-15			24.16	
2-10-54	Arch 5-6	El. 2068-2068 ⁵		3.43	

Item #43 (Cont'd.)

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
2-17-'54	Walkway 10-11 Above El. 2068 ⁵	Not Incl. Parapet	24.24	
2-19-'54	Arch 7-8 El. 2068-2068 ⁵		3.43	
2-19-'54	Parapet 11-12-13		24.16	
2-24-'54	Arch 4-5 El. 2068-2068 ⁵		3.43	282.33
3-1-'54	Parapet 1-2-3		24.16	
3-2-'54	Walkway 5-6 Above El. 2068 ⁵		24.24	
3-3-'54	Arch 9-10 El. 2068-2068 ⁵		3.43	
3-11-'54	Arch 6-7 2068-2068 ⁵		3.43	
3-11-'54	Walkway 7-8 Above El. 2068 ⁵		24.24	
3-12-'54	Parapet 3-4		12.08	
3-12-'54	Parapet 5-6		12.08	
3-26-54	WALKWAY 4-5 ABOVE 2068 ⁵		24.24	
3-31-54	WALKWAY 9-10 ABOVE FL. 2068 ⁵		24.24	434.47
4-1-54	PARAPET 7-8		12.08	
4-1-54	PARAPET 10-11		12.08	
4-6-54	WALKWAY 6-7		24.24	
4-7-54	ARCH 16-17 EL. 2068-2068 ⁵		3.43	
4-8-54	PARAPET 4-5		12.08	

ITEM #43 CONT'D. ON PAGE 76

Tern No. 44

Date Placed	Description	Station	Cu. yds. Placed	Total Cu. yds. to Date
5-13-'53	Pier #1 El. 2057-2059		22.88	22.88
6-3-'53	Pier #1 El. 2059-2066		68.21	91.09
6-25-'53	Pier #1 El. 2066-2074		71.46	162.55
7-17-'53	Pier #1 El. 2074-2082		76.98	239.53
7-17-'53	Pier #4 El. 2057-2059		24.07	263.60
8-10-'53	Pier #4 El. 2059-2066		71.94	335.54
8-25-'53	Pier #4 El. 2066-2074		74.48	410.02
9-18-'53	Pier #4 El. 2074-2082		66.93	476.95

ITEM 43 (CONT'D. FROM PAGE 74)

(76)

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
4-12-54	ARCH 17-18 EL. 2068-2068 ⁵			
4-13-54	PARAPET 9-10		3.43	501.81
4-15-54	ARCH 15-16 EL. 2068-2068 ⁵		12.08	513.89
4-16-54	WEST GRAVITY CUTOFF EL. 2068-2068 ⁵		3.43	517.32
4-16-54	PARAPET 6-7		2.22	519.54
4-22-54	WALKWAY 16-17		12.08	531.62
4-23-54	ARCH 8-9 EL. 2068-2068 ⁵⁰		24.24	555.86
4-26-54	WALKWAY 17-18		2.22	558.08
4-27-54	W. GRAVITY & W. CUTOFF WALKWAY - WEST OF D-2080		24.24	582.32
4-29-54	PARAPET 16-17		26.56	
			12.08	614.60

Date Placed	Description	Item	No. 45	Station	Cu. Yds. Placed	Total Cu. Yds. to Date
5-21-'53	Spillway Floor	El. 2026.5 to 2036		North of L-1010	12.63	12.63
6-4-'53	Spillway Floor	D-1036 to D-1051 To bottom of Floor		L-993.5 to L-1010	105.63	118.26
7-21-'53	Spill. Slab	#3		43.27		
		#5		33.64	76.91	195.17
7-22-'53	" "	#1		54.33		
		#1A		52.79	107.12	302.29
7-28-'53	" "	#2		51.91		
		#4		39.46	91.37	393.66
7-29-'53	" "	#10			59.05	452.71
7-29-'53	" "	#W1		19.88		
		#W8		13.80	33.68	486.39
8-3-'53	" "	#6		35.04		
		#8		63.01	98.05	584.44
8-4-'53	" "	#15		66.70		
		#W5		24.25	90.95	675.39
8-4-'53	" "	#W7		14.95		
		#W9		28.40	43.35	718.74
8-10-'53	" "	#11		33.50		
		#13		33.50	67.00	785.74
8-10-'53	" "	#W10			26.19	811.93
8-12-'53	" "	#12		33.50		
		#14		40.33	73.83	885.76
8-12-'53	" "	#20		15.00		
		#W3		12.78	27.78	913.54
8-17-'53	" "	#16		15.00		
		#18		15.00	30.00	943.54
8-17-'53	" "	#W11		5.75		
		#7		54.75	5.75	949.29
8-5-'53	" "	#9		81.12		
		#W2		14.93	135.87	1085.16
8-5-'53	" "	#W6		14.91	29.84	1115.00

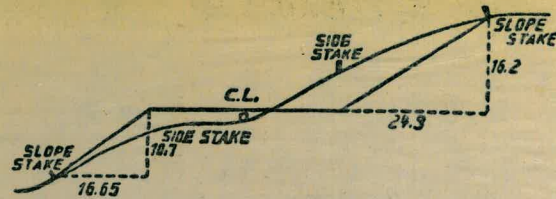
Item #45 (Contd.)

DATE	DESCRIPTION	STATION	C.Y. PLACED	TOTAL TO DATE
8-19-'53	Spill. Slab #17		15.00	
	#19		15.00	
8-19-'53	" " #W4			
			30.00	1145.00
			5.75	1150.75
9-1-'53	Spill. Slab D-883 to D-908	L-993 ² to L-1010	16.69	1167.44
9-9-'53	" " D-908 to D-967	" "	39.38	1206.82
9-22-'53	" " D-967 to D-1004	" "	25.00	1231.82
9-15-'53	" " L-993 ² to L-1010 D-1026 to D-1051	Inc. Overbreakage D-1036 to D-1051	6.93	1238.75
4-30-54	" " D-1004 to D-1026		14.38	1253.13

Date Placed	Description	Item
8-12-53	Spill. Wall	#V5
8-17-53	" "	#V7
8-20-53	" "	#V6
8-25-53	" "	#V9
8-28-53	" "	#V8
8-28-53	" "	#V10
8-28-53	" "	#V1
8-28-53	" "	#V3
8-28-53	" "	#V4
8-28-53	" "	#V11
8-28-53	" "	#V2
9-23-53	Spill. Wing Walls	Footings Only
10-5-53	Spill. Wing Walls	Walls Proper

No. 46	Station	Cu. Yds. Placed	Total Cu. Yds. to Date
		8.52	
		8.52	17.04
		8.52	34.08
		8.52	51.12
		8.52	68.16
		4.02	76.20
		4.02	84.72
		8.52	89.72
		5.00	98.22
		8.50	

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

THE NATIONAL BLANK BOOK COMPANY
 HOLYOKE MASSACHUSETTS
 NEW YORK CHICAGO BOSTON SAN FRANCISCO