

STAGED STORAGE CALCULATIONS

Job: Anzac Village - Village Centre (OSD 1 - South)
Job No. 3442B

Engineer: AM
Date: 28/09/2012

		Outflow 1			Outflow 2			Total Piped Flow		Wier		Total Flows	
Tank Details		RL	H	Discharge	H	Discharge		RL	Total	H	Discharge	RL	Total
Invert	48.671	48.671	0	0.000	0	0.000		48.671	0.000	0	0.000	48.671	0.000
		48.68	0.009	0.001	0	0.000		48.68	0.001	0	0.000	48.680	0.001
Outlet Details		48.71	0.039	0.003	0	0.000		48.71	0.003	0	0.000	48.710	0.003
Outlet 1	48.671	48.74	0.069	0.004	0	0.000		48.74	0.004	0	0.000	48.740	0.004
Diameter	62 mm	48.77	0.099	0.004	0	0.000		48.77	0.004	0	0.000	48.770	0.004
Dc	1	48.8	0.129	0.005	0	0.000		48.8	0.005	0	0.000	48.800	0.005
		48.83	0.159	0.005	0	0.000		48.83	0.005	0	0.000	48.830	0.005
Outlet 2	49.7	48.86	0.189	0.006	0	0.000		48.86	0.006	0	0.000	48.860	0.006
Diameter	50 mm	48.89	0.219	0.006	0	0.000		48.89	0.006	0	0.000	48.890	0.006
Dc	1	48.92	0.249	0.007	0	0.000		48.92	0.007	0	0.000	48.920	0.007
		48.95	0.279	0.007	0	0.000		48.95	0.007	0	0.000	48.950	0.007
Outlet Formula		48.98	0.309	0.007	0	0.000		48.98	0.007	0	0.000	48.980	0.007
Q = A * Dc * (2 * g * H)^0.5		49.01	0.339	0.008	0	0.000		49.01	0.008	0	0.000	49.010	0.008
		49.04	0.369	0.008	0	0.000		49.04	0.008	0	0.000	49.040	0.008
Wier Details		49.07	0.399	0.008	0	0.000		49.07	0.008	0	0.000	49.070	0.008
Wier	51	49.1	0.429	0.009	0	0.000		49.1	0.009	0	0.000	49.100	0.009
W	0.9 m	49.13	0.459	0.009	0	0.000		49.13	0.009	0	0.000	49.130	0.009
Dc	1.67	49.16	0.489	0.009	0	0.000		49.16	0.009	0	0.000	49.160	0.009
		49.19	0.519	0.010	0	0.000		49.19	0.010	0	0.000	49.190	0.010
Wier Formula		49.22	0.549	0.010	0	0.000		49.22	0.010	0	0.000	49.220	0.010
Q = (2/3) * Dc * W * (2 * g)^0.5 * H^1.5		49.25	0.579	0.010	0	0.000		49.25	0.010	0	0.000	49.250	0.010
		49.28	0.609	0.010	0	0.000		49.28	0.010	0	0.000	49.280	0.010
General Details		49.31	0.639	0.011	0	0.000		49.31	0.011	0	0.000	49.310	0.011
g	9.81	49.34	0.669	0.011	0	0.000		49.34	0.011	0	0.000	49.340	0.011
		49.37	0.699	0.011	0	0.000		49.37	0.011	0	0.000	49.370	0.011
		49.4	0.729	0.011	0	0.000		49.4	0.011	0	0.000	49.400	0.011
		49.43	0.759	0.012	0	0.000		49.43	0.012	0	0.000	49.430	0.012
		49.46	0.789	0.012	0	0.000		49.46	0.012	0	0.000	49.460	0.012
		49.49	0.819	0.012	0	0.000		49.49	0.012	0	0.000	49.490	0.012
		49.52	0.849	0.012	0	0.000		49.52	0.012	0	0.000	49.520	0.012
		49.55	0.879	0.013	0	0.000		49.55	0.013	0	0.000	49.550	0.013
		49.58	0.909	0.013	0	0.000		49.58	0.013	0	0.000	49.580	0.013
		49.61	0.939	0.013	0	0.000		49.61	0.013	0	0.000	49.610	0.013
		49.64	0.969	0.013	0	0.000		49.64	0.013	0	0.000	49.640	0.013
		49.67	0.999	0.013	0	0.000		49.67	0.013	0	0.000	49.670	0.013
		49.7	1.029	0.014	3.5527E-14	0.000		49.7	0.014	0	0.000	49.700	0.014
		49.73	1.059	0.014	0.03	0.002		49.73	0.015	0	0.000	49.730	0.015
		49.76	1.089	0.014	0.06	0.002		49.76	0.016	0	0.000	49.760	0.016
		49.79	1.119	0.014	0.09	0.003		49.79	0.017	0	0.000	49.790	0.017
		49.82	1.149	0.014	0.12	0.003		49.82	0.017	0	0.000	49.820	0.017
		49.85	1.179	0.015	0.15	0.003		49.85	0.018	0	0.000	49.850	0.018
		49.88	1.209	0.015	0.18	0.004		49.88	0.018	0	0.000	49.880	0.018
		49.91	1.239	0.015	0.21	0.004		49.91	0.019	0	0.000	49.910	0.019
		49.94	1.269	0.015	0.24	0.004		49.94	0.019	0	0.000	49.940	0.019
		49.97	1.299	0.015	0.27	0.005		49.97	0.020	0	0.000	49.970	0.020
		50	1.329	0.015	0.3	0.005		50	0.020	0	0.000	50.000	0.020
		50.03	1.359	0.016	0.33	0.005		50.03	0.021	0	0.000	50.030	0.021
		50.06	1.389	0.016	0.36	0.005		50.06	0.021	0	0.000	50.060	0.021
		50.09	1.419	0.016	0.39	0.005		50.09	0.021	0	0.000	50.090	0.021
		50.12	1.449	0.016	0.42	0.006		50.12	0.022	0	0.000	50.120	0.022
		50.15	1.479	0.016	0.45	0.006		50.15	0.022	0	0.000	50.150	0.022
		50.18	1.509	0.016	0.48	0.006		50.18	0.022	0	0.000	50.180	0.022
		50.21	1.539	0.017	0.51	0.006		50.21	0.023	0	0.000	50.210	0.023
		50.24	1.569	0.017	0.54	0.006		50.24	0.023	0	0.000	50.240	0.023
		50.27	1.599	0.017	0.57	0.007		50.27	0.023	0	0.000	50.270	0.023
		50.3	1.629	0.017	0.6	0.007		50.3	0.024	0	0.000	50.300	0.024
		50.33	1.659	0.017	0.63	0.007		50.33	0.024	0	0.000	50.330	0.024
		50.36	1.689	0.017	0.66	0.007		50.36	0.024	0	0.000	50.360	0.024
		50.39	1.719	0.018	0.69	0.007		50.39	0.025	0	0.000	50.390	0.025
		50.42	1.749	0.018	0.72	0.007		50.42	0.025	0	0.000	50.420	0.025
		50.45	1.779	0.018	0.75	0.008		50.45	0.025	0	0.000	50.450	0.025
		50.48	1.809	0.018	0.78	0.008		50.48	0.026	0	0.000	50.480	0.026
		50.51	1.839	0.018	0.81	0.008		50.51	0.026	0	0.000	50.510	0.026
		50.54	1.869	0.018	0.84	0.008		50.54	0.026	0	0.000	50.540	0.026
		50.57	1.899	0.018	0.87	0.008		50.57	0.027	0	0.000	50.570	0.027
		50.6	1.929	0.019	0.9	0.008		50.6	0.027	0	0.000	50.600	0.027
		50.63	1.959	0.019	0.93	0.008		50.63	0.027	0	0.000	50.630	0.027
		50.66	1.989	0.019	0.96	0.009		50.66	0.027	0	0.000	50.660	0.027
		50.69	2.019	0.019	0.99	0.009		50.69	0.028	0	0.000	50.690	0.028
		50.72	2.049	0.019	1.02	0.009		50.72	0.028	0	0.000	50.720	0.028
		50.75	2.079	0.019	1.05	0.009		50.75	0.028	0	0.000	50.750	0.028
		50.78	2.109	0.019	1.08	0.009		50.78	0.028	0	0.000	50.780	0.028
		50.81	2.139	0.020	1.11	0.009		50.81	0.029	0	0.000	50.810	0.029
		50.84	2.169	0.020	1.14	0.009		50.84	0.029	0	0.000	50.840	0.029
		50.87	2.199	0.020	1.17	0.009		50.87	0.029	0	0.000	50.870	0.029
		50.9	2.229	0.020	1.2	0.010		50.9	0.029	0	0.000	50.900	0.029
		50.93	2.259	0.020	1.23	0.010		50.93	0.030	0	0.000	50.930	0.030
		50.96	2.289	0.020	1.26	0.010		50.96	0.030	0	0.000	50.960	0.030
		50.99	2.319	0.020	1.29	0.010		50.99	0.030	0	0.000	50.990	0.030
		51.02	2.349	0.020	1.32	0.010		51.02	0.030	0.02	0.013	51.020	0.043
		51.05	2.379	0.021	1.35	0.010		51.05	0.031	0.05	0.050	51.050	0.080
		51.08	2.409	0.021	1.38	0.010		51.08	0.031	0.08	0.100	51.080	0.131
		51.11	2.439	0.021	1.41	0.010		51.11	0.031	0.11	0.162	51.110	0.193
		51.14	2.469	0.021	1.44	0.010		51.14	0.031	0.14	0.232	51.140	0.264
		51.17	2.499	0.021	1.47	0.011		51.17	0.032	0.17	0.311	51.170	0.343
		51.2	2.529	0.021	1.5	0.011		51.2	0.032	0.2	0.397	51.200	0.429
		51.23	2.559	0.021	1.53	0.011		51.23	0.032	0.23	0.490	51.230	0.522
		51.26	2.589	0.022	1.56	0.011		51.26	0.032	0.26	0.588	51.260	0.621
		51.29	2.619	0.022	1.59	0.011		51.29	0.033	0.29	0.693	51.290	0.726
		51.32	2.649	0.022	1.62	0.011		51.32	0.033	0.32	0.803	51.320	0.836
		51.35	2.679	0.022	1.65	0.011		51.35	0.033	0.35	0.919	51.350	0.952
		51.38	2.709	0.022	1.68	0.011		51.38	0.033	0.38	1.040	51.380	1.073
		51.41	2.739	0.022	1.71	0.011		51.41	0.034	0.41	1.165	51.410	1.199
		51.44	2.769	0.022	1.74	0.011		51.44	0.034	0.44	1.295	51.440	1.329
		51.47	2.799	0.022	1.77	0.012		51.47	0.034	0.47	1.430	51.470	1.464
		51.5	2.829	0.022	1.8	0.012		51.5	0.034	0.5	1.569	51.500	1.603