



Project No: 22244
Project Name 325 Deansgate
Title ATTENUATION TANK
Date
By

Return period of 1:100 year, with 40% climate allowance

SURFACE WATER DRAINAGE DESIGN

Total Hardstanding 675 m²
Existing run L/s 5.12
Pipe outlet L/s 2.56 L/s
0.0026 m³/s

Volume provided 26.0 m³
Max storage required 25 m³

	Duration of storm			Rainfall, mm	Rainfall, mm/hr	Input		Output Limit		Storage required	Storage excess	Actual outflow
	hours	minutes	seconds			m ³	L/s	m ³	L/s	m ³	m ³	L/s
	0.08	5	300	17	199	11.2	37.3	0.8	2.6	10.41	16	2.6
	0.17	10	600	24	146	16.4	27.3	1.5	2.6	14.86	11	2.6
	0.25	15	900	30	121	20.3	22.6	2.3	2.6	18.04	8	2.6
	0.50	30	1800	39	79	26.6	14.8	4.6	2.6	21.94	4	2.6
	1	60	3600	51	51	34.3	9.5	9.2	2.6	25.08	1	2.6
	2	120	7200	62	31	42.0	5.8	18.4	2.6	23.52	2	2.6
	4	240	14400	74	19	50.3	3.5	36.9	2.6	13.39	13	2.6
	6	360	21600	83	14	56.1	2.6	55.3	2.6	0.81	25	2.6
	10	600	36000	92	9	62.4	1.7	92.2	2.6	-29.84	56	1.7
	24	1440	86400	114	5	77.1	0.9	221.3	2.6	-144.19	170	0.9