



Project No: 22244

Project Name 325 Deansgate

Title ATTENUATION TANK

Date

By

Return period of 1:30 year

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 provided26.0m³

Max storage required10m³

	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	9	112	6.3	21.1	0.8	2.6	5.55	20	2.6
	0.17	10	600	14	82	9.2	15.3	1.5	2.6	7.63	18	2.6
	0.25	15	900	17	67	11.3	12.5	2.3	2.6	8.98	17	2.6
	0.50	30	1800	22	43	14.6	8.1	4.6	2.6	10.00	16	2.6
	1	60	3600	28	28	18.7	5.2	9.2	2.6	9.48	17	2.6
	2	120	7200	34	17	22.8	3.2	18.4	2.6	4.37	22	2.6
	4	240	14400	41	10	27.5	1.9	36.9	2.6	-9.34	35	1.9
	6	360	21600	46	8	30.8	1.4	55.3	2.6	-24.55	51	1.4
	10	600	36000	51	5	34.4	1.0	92.2	2.6	-57.79	84	1.0
	24	1440	86400	62	3	42.1	0.5	221.3	2.6	-179.19	205	0.5