

STORM WATER - EXISTING SITE RUN-OFFS

Document A

Job No.: 414601
Job Name: East street Havant

Total site Area (excl shared access)	14087.7	m2	1668	0.1668
Surface	Area (m2)	Run-off coeff	Eff Area (m2)	
Existing roofs	450	1.00	450	Roofs
Existing hardstanding	1218	1.00	1218	Hardstanding / road
			0	
			0	
			0	
			0	
			0	
Grass / soft landscaping	0	0.00	0	Permeable surface

1 in 100 year event									
Eff Area		1668	m2						
100 year return period				Storm duration (Min.)		T	N	r	
R5	0.02315	m		5	0.08 hrs	0.083333	0.1	0.023154	
R10	0.02869	m		10	0.17 hrs	0.166667	0.1	0.028694	
R15	0.03247	m		15	0.25 hrs	0.25	0.1	0.032473	
R30	0.04002	m		30	0.50 hrs	0.5	0.1	0.040022	
R60	0.04920	m		60	1.00 hrs	1	0.1	0.0492	
R120	0.06036	m		120	2.00 hrs	2	0.1	0.060356	
R240	0.07392	m		240	4.00 hrs	4	0.1	0.073917	
R360	0.08317	m		360	6.00 hrs	6	0.1	0.083168	
Run-off from site during 6 Hour event									
Volume of total run-off				Flow in Ltrs / second during event					
I360	138.724	m3		Flow	6.422	L/s			
Therefore total run off				138.7	m3	OR	6.422	L/s	

1 in 1 year event									
Eff Area		1668	m2						
1 year return period				Storm duration (Min.)		T	N	r	
R5	0.01416	m		5	0.08 hrs	0.083333	1	0.010892	
R10	0.01792	m		10	0.17 hrs	0.166667	1	0.013788	
R15	0.02049	m		15	0.25 hrs	0.25	1	0.015764	
R30	0.02562	m		30	0.50 hrs	0.5	1	0.01971	
R60	0.03186	m		60	1.00 hrs	1	1	0.024508	
R120	0.03944	m		120	2.00 hrs	2	1	0.03034	
R240	0.04866	m		240	4.00 hrs	4	1	0.037429	
R360	0.05494	m		360	6.00 hrs	6	1	0.042265	
Run-off from site during 6 Hour event									
Volume of total run-off				Flow in Ltrs / second during event					
I360	91.648	m3		Flow	4.243	L/s			
Therefore total run off				91.6	m3	OR	4.243	L/s	