Ref:- 1567

Storm Water Dispersal Assessment

Forecourt – 6 Mill Hill, Lancing, West Sussex, BN43 5TH

Planning Approval AWDM/0927/16 – Condition 07

Run off area of Forecourt – 100% run off		139 M²
100 year 6 hour storm run off		63mm/ M²
Site run off	139 x 63 / 1000	8.76M³/6 hr
	Average	1.46M³/hr
Dispersal rate from on site percolation testing 300x300 pit, 9.33 mins to drop 150mm		0.483M³/M²/h
Wavin Aquacell	Volume	0.2M³
	Effective Surface Area	1.1 M²
Assume 4x Aquacell Matrix		
	Disperal rate = 0.483 x 4.4	2.1 M³/hr

Dispersal rate adequate 2.1M³/hr > 1.46M³/hr

6 hour dispersal rate	0.483 x 4.4 x 6	12.75 M³

100 year Storm dispersal adequate 12.75M³ > 8.76M³

Martin Critchley
Chartered Architect

1st August 2017