

Storm Water **Dispersal Assessment**

**2 Houses Adjacent, 7 Webb Close, Bognor Regis, PO21 4XB.
Planning Approval P/107/16/PL – Condition 03**

Run off area of One house roof – 100% run off	49 M ²
100 year 6 hour storm run off	63mm/ M ²
Roof run off	49 x 63 / 1000
Average	3.09 M ³ /6 hr
	0.515 M ³ /hr
Dispersal rate from on site percolation testing 300x300 pit, 9.33 mins to drop 150mm	0.483M ³ /M ² /h
Wavin Aquacell (x1) Volume	0.2M ³
Effective Surface Area	1.1 M ²

Assume 5x Aquacell Matrix

Storage Capacity

M100-10 Rainfall depth	19mm
Rainfall volume 19x49	0.931 M ³
Volume capacity 5x Aquacells	1.0 M ³

Storage Capacity adequate 1.0 M³ > 0.931 M³

Dispersal Capacity

M5-60 Rainfall depth	20mm
Rainfall volume 20x49	0.980 M ³ /hr
Dispersal rate = 0.483 x 5.5	2.66 M ³ /hr

Dispersal rate adequate 2.66 M³/hr > 0.980 M³/hr

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16th February 2018