

Melcroft Eastergate Lane

DURATION MINS	INFLOW S1 M ³	Inflow x 240%	OUTFLOW MAX M ³	REQUIRED CAPACITY M ³	
5	2.077	4.9848	0.852	4.1328	
10	2.997	7.1928	1.704	5.4888	
15	3.682	8.8368	2.256	6.5808	
30	4.673	11.2152	5.112	6.1032	
60	5.853	14.0472	10.224	3.8232	
120	7.080	16.992	20.448	-3.456	
240	8.402	20.1648	40.896	-20.7312	
360	9.322	22.3728	61.344	-38.9712	
600	10.224	24.5376	102.240	-77.7024	
	Soil conditions were found to be 100mm fine topsoil, 400mm stoney soil, then consistent free draining flinty gravel.				
	Max required capacity is calculated using BRE365. Information I can find for estimates of 100 year climate change to are less than double so I have added 100% to the in flow plus an additional 40% making 6.58m ³ so we propose two wrapped crate soakaways each 4.0m³ (L-2m W-2m D-1m) and placed with top 500mm below ground allowing full use of the volume with base at 1.5m bellow ground, and still well above winter testing levels found on the two adjacent sites of 1.78m for which you already have recent test data.				