


The Engenuiti Partnership LLP		Page 1
2 Maltings Place Tower Bridge Road SE1 3JB	615 18 Elsworthy Road Planning SW Attenuation	
Date 13/04/2016 File NO 18 - ATTENUATION VOL...	Designed by NG Checked by SC	
XP Solutions	Source Control 2016.1	

Summary of Results for 100 year Return Period (+30%)

Critical storm not identified, please run longer storm durations.

Storm Event	Max Level (m)	Max Depth (m)	Max Volume (m³)	Status
15 min Summer	8.372	0.622	4.4	O K
30 min Summer	8.554	0.804	5.6	O K
60 min Summer	8.739	0.989	6.9	O K
120 min Summer	8.924	1.174	8.2	O K
180 min Summer	9.032	1.282	9.0	O K
240 min Summer	9.107	1.357	9.5	O K
360 min Summer	9.216	1.466	10.3	O K
15 min Winter	8.447	0.697	4.9	O K
30 min Winter	8.651	0.901	6.3	O K
60 min Winter	8.857	1.107	7.8	O K
120 min Winter	9.065	1.315	9.2	O K
180 min Winter	9.186	1.436	10.0	O K
240 min Winter	9.269	1.519	10.6	O K
360 min Winter	9.392	1.642	11.5	O K

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)
15 min Summer	136.659	0.0	19
30 min Summer	88.315	0.0	34
60 min Summer	54.281	0.0	64
120 min Summer	32.230	0.0	124
180 min Summer	23.456	0.0	184
240 min Summer	18.621	0.0	244
360 min Summer	13.418	0.0	364
15 min Winter	136.659	0.0	19
30 min Winter	88.315	0.0	34
60 min Winter	54.281	0.0	64
120 min Winter	32.230	0.0	124
180 min Winter	23.456	0.0	184
240 min Winter	18.621	0.0	244
360 min Winter	13.418	0.0	364

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Rainfall Details

Rainfall Model	FSR	Winter Storms	Yes
Return Period (years)	100	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	20.600	Shortest Storm (mins)	15
Ratio R	0.437	Longest Storm (mins)	360
Summer Storms	Yes	Climate Change %	+30

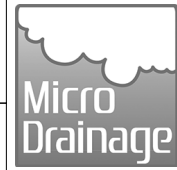
Time Area Diagram

Total Area (ha) 0.017

Time (mins)		Area
From:	To:	(ha)
0	4	0.017

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Model Details

Storage is Online Cover Level (m) 10.100

Tank or Pond Structure

Invert Level (m) 7.750

Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)
0.000	7.0	0.700	7.0	1.400	7.0	2.100	0.0
0.100	7.0	0.800	7.0	1.500	7.0	2.200	0.0
0.200	7.0	0.900	7.0	1.600	7.0	2.300	0.0
0.300	7.0	1.000	7.0	1.700	7.0	2.400	0.0
0.400	7.0	1.100	7.0	1.800	7.0	2.500	0.0
0.500	7.0	1.200	7.0	1.900	0.0		
0.600	7.0	1.300	7.0	2.000	0.0		