

Odyssey				Page 1																																																																																																																																																																																																																			
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<u>Summary of Results for 10 year Return Period (+40%)</u> Half Drain Time : 558 minutes. <table><thead><tr><th>Storm Event</th><th>Max Level (m)</th><th>Max Depth (m)</th><th>Max Infiltration (l/s)</th><th>Max Volume (m³)</th><th>Status</th></tr></thead><tbody><tr><td>15 min Summer</td><td>0.181</td><td>0.181</td><td>0.2</td><td>4.6</td><td>Flood Risk</td></tr><tr><td>30 min Summer</td><td>0.217</td><td>0.217</td><td>0.2</td><td>6.7</td><td>Flood Risk</td></tr><tr><td>60 min Summer</td><td>0.249</td><td>0.249</td><td>0.2</td><td>8.8</td><td>Flood Risk</td></tr><tr><td>120 min Summer</td><td>0.278</td><td>0.278</td><td>0.2</td><td>10.9</td><td>Flood Risk</td></tr><tr><td>180 min Summer</td><td>0.291</td><td>0.291</td><td>0.2</td><td>12.0</td><td>Flood Risk</td></tr><tr><td>240 min Summer</td><td>0.299</td><td>0.299</td><td>0.3</td><td>12.6</td><td>Flood Risk</td></tr><tr><td>360 min Summer</td><td>0.303</td><td>0.303</td><td>0.3</td><td>13.0</td><td>Flood Risk</td></tr><tr><td>480 min 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Tuscany House		Stakers Farm, Yapton - 19-156			
White Hart Lane		Access Road			
Baskingstoke RG21 4AF		Plots 3-8			
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File Acces Road Plots 3-8.SRCX		Checked by			
XP Solutions		Source Control 2020.1			
<u>Summary of Results for 10 year Return Period (+40%)</u>					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
30 min Winter	0.233	0.233	0.2	7.7	Flood Risk
60 min Winter	0.267	0.267	0.2	10.1	Flood Risk
120 min Winter	0.297	0.297	0.3	12.5	Flood Risk
180 min Winter	0.312	0.312	0.3	13.8	Flood Risk
240 min Winter	0.320	0.320	0.3	14.5	Flood Risk
360 min Winter	0.327	0.327	0.3	15.1	Flood Risk
480 min Winter	0.328	0.328	0.3	15.2	Flood Risk
600 min Winter	0.326	0.326	0.3	15.0	Flood Risk
720 min Winter	0.324	0.324	0.3	14.9	Flood Risk
960 min Winter	0.320	0.320	0.3	14.5	Flood Risk
1440 min Winter	0.308	0.308	0.3	13.5	Flood Risk
2160 min Winter	0.292	0.292	0.2	12.1	Flood Risk
2880 min Winter	0.277	0.277	0.2	10.8	Flood Risk
4320 min Winter	0.252	0.252	0.2	9.0	Flood Risk
5760 min Winter	0.232	0.232	0.2	7.7	Flood Risk
7200 min Winter	0.217	0.217	0.2	6.7	Flood Risk
8640 min Winter	0.205	0.205	0.2	6.0	Flood Risk
10080 min Winter	0.196	0.196	0.2	5.4	Flood Risk
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
30 min Winter	57.683	0.0	33		
60 min Winter	36.448	0.0	62		
120 min Winter	22.639	0.0	120		
180 min Winter	16.928	0.0	178		
240 min Winter	13.676	0.0	236		
360 min Winter	10.003	0.0	348		
480 min Winter	7.960	0.0	456		
600 min Winter	6.652	0.0	548		
720 min Winter	5.738	0.0	570		
960 min Winter	4.539	0.0	722		
1440 min Winter	3.269	0.0	1022		
2160 min Winter	2.374	0.0	1448		
2880 min Winter	1.907	0.0	1872		
4320 min Winter	1.430	0.0	2676		
5760 min Winter	1.183	0.0	3456		
7200 min Winter	1.034	0.0	4184		
8640 min Winter	0.933	0.0	4928		
10080 min Winter	0.861	0.0	5648		
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XP Solutions Source Control 2020.1		

Rainfall Details

Rainfall Model	FEH
Return Period (years)	10
FEH Rainfall Version	2013
Site Location	GB 497682 103581 SU 97682 03581
Data Type	Point
Summer Storms	Yes
Winter Storms	Yes
Cv (Summer)	0.750
Cv (Winter)	0.840
Shortest Storm (mins)	15
Longest Storm (mins)	10080
Climate Change %	+40

Time Area Diagram

Total Area (ha) 0.041

	Time (mins)	Area
From:	To:	(ha)
	0	4 0.041

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Model Details

Storage is Online Cover Level (m) 0.440

Complex Structure

Porous Car Park

Infiltration Coefficient Base (m/hr) 0.00648	Width (m) 12.9
Membrane Percolation (mm/hr) 1000	Length (m) 22.5
Max Percolation (l/s) 80.6	Slope (1:X) 73.2
Safety Factor 2.0	Depression Storage (mm) 5
Porosity 0.30	Evaporation (mm/day) 3
Invert Level (m) 0.000	Membrane Depth (m) 0

Porous Car Park

Infiltration Coefficient Base (m/hr) 0.00648	Width (m) 4.1
Membrane Percolation (mm/hr) 1000	Length (m) 26.3
Max Percolation (l/s) 30.0	Slope (1:X) 73.2
Safety Factor 2.0	Depression Storage (mm) 5
Porosity 0.30	Evaporation (mm/day) 3
Invert Level (m) 0.307	Membrane Depth (m) 0

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