

Odyssey				Page 1																																																																																																																																																																																																																			
Tuscany House White Hart Lane Basingstoke RG21 4AF		Stakers Farm, Yapton - 19-156 As built - Access Road Plots 3-8																																																																																																																																																																																																																					
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Summary of Results for 100 year Return Period (+40%) Half Drain Time : 862 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>6.589</td><td>0.313</td><td>0.2</td><td>8.9</td><td>Flood Risk</td></tr><tr><td>30 min Summer</td><td>6.641</td><td>0.365</td><td>0.2</td><td>12.5</td><td>Flood Risk</td></tr><tr><td>60 min Summer</td><td>6.692</td><td>0.416</td><td>0.2</td><td>16.4</td><td>Flood Risk</td></tr><tr><td>120 min Summer</td><td>6.727</td><td>0.451</td><td>0.3</td><td>19.2</td><td>Flood Risk</td></tr><tr><td>180 min Summer</td><td>6.745</td><td>0.469</td><td>0.3</td><td>20.8</td><td>Flood Risk</td></tr><tr><td>240 min Summer</td><td>6.756</td><td>0.480</td><td>0.3</td><td>21.7</td><td>Flood Risk</td></tr><tr><td>360 min Summer</td><td>6.765</td><td>0.489</td><td>0.3</td><td>22.5</td><td>Flood Risk</td></tr><tr><td>480 min 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Tuscany House White Hart Lane Basingstoke RG21 4AF		Stakers Farm, Yapton - 19-156 As built - Access Road Plots 3-8			
Date 20/04/2022 10:11 File As-built_Acces Road Flo...		Designed by WindesPC5 Checked by			
Innovyze		Source Control 2020.1.3			
Summary of Results for 100 year Return Period (+40%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
30 min Winter	6.664	0.388		0.2	14.2 Flood Risk
60 min Winter	6.719	0.443		0.3	18.6 Flood Risk
120 min Winter	6.757	0.481		0.3	21.8 Flood Risk
180 min Winter	6.779	0.503		0.3	23.6 Flood Risk
240 min Winter	6.791	0.515		0.3	24.7 Flood Risk
360 min Winter	6.803	0.527		0.3	25.7 Flood Risk
480 min Winter	6.807	0.531		0.3	26.0 Flood Risk
600 min Winter	6.807	0.531		0.3	25.9 Flood Risk
720 min Winter	6.804	0.528		0.3	25.7 Flood Risk
960 min Winter	6.795	0.519		0.3	25.0 Flood Risk
1440 min Winter	6.781	0.505		0.3	23.9 Flood Risk
2160 min Winter	6.760	0.484		0.3	22.0 Flood Risk
2880 min Winter	6.740	0.464		0.3	20.4 Flood Risk
4320 min Winter	6.707	0.431		0.2	17.6 Flood Risk
5760 min Winter	6.678	0.402		0.2	15.3 Flood Risk
7200 min Winter	6.653	0.377		0.2	13.4 Flood Risk
8640 min Winter	6.634	0.358		0.2	12.0 Flood Risk
10080 min Winter	6.618	0.342		0.2	10.9 Flood Risk
Storm Event		Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	
30 min Winter		94.700	0.0	33	
60 min Winter		60.903	0.0	62	
120 min Winter		36.128	0.0	122	
180 min Winter		26.473	0.0	180	
240 min Winter		21.126	0.0	238	
360 min Winter		15.214	0.0	352	
480 min Winter		12.016	0.0	466	
600 min Winter		9.993	0.0	576	
720 min Winter		8.590	0.0	680	
960 min Winter		6.756	0.0	782	
1440 min Winter		4.823	0.0	1080	
2160 min Winter		3.462	0.0	1532	
2880 min Winter		2.754	0.0	1960	
4320 min Winter		2.025	0.0	2812	
5760 min Winter		1.648	0.0	3632	
7200 min Winter		1.419	0.0	4392	
8640 min Winter		1.264	0.0	5112	
10080 min Winter		1.153	0.0	5856	
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Innovyze Source Control 2020.1.3		

Rainfall Details

Rainfall Model	FEH
Return Period (years)	100
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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Innovyze Source Control 2020.1.3		

Model Details

Storage is Online Cover Level (m) 6.846

Complex Structure

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.00648	Width (m)	8.0
Membrane Percolation (mm/hr)	1000	Length (m)	22.2
Max Percolation (l/s)	49.3	Slope (1:X)	70.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	6.276	Cap Volume Depth (m)	0.440

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.00648	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	10.0
Max Percolation (l/s)	13.9	Slope (1:X)	70.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	6.476	Cap Volume Depth (m)	0.440

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.00648	Width (m)	4.1
Membrane Percolation (mm/hr)	1000	Length (m)	26.5
Max Percolation (l/s)	30.2	Slope (1:X)	78.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	6.591	Cap Volume Depth (m)	0.440

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.00648	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	5.0
Max Percolation (l/s)	6.9	Slope (1:X)	70.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	6.679	Cap Volume Depth (m)	0.440

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