

Robert Clark Associates			Page 1																																																																																																																																																																																																																				
Willow Cottage Herne Lane Rustington BN16 3EE		Rond Point Ham Manor Way SA3																																																																																																																																																																																																																					
Date 9 March 2020 File SA3.SRCX		Designed by R Checked by																																																																																																																																																																																																																					
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<u>Summary of Results for 100 year Return Period (+40%)</u> Half Drain Time : 231 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>4.478</td><td>0.628</td><td>0.1</td><td>1.6</td><td>O K</td></tr><tr><td>30 min Summer</td><td>4.672</td><td>0.822</td><td>0.1</td><td>2.1</td><td>O K</td></tr><tr><td>60 min Summer</td><td>4.855</td><td>1.005</td><td>0.2</td><td>2.5</td><td>O K</td></tr><tr><td>120 min Summer</td><td>5.155</td><td>1.305</td><td>0.2</td><td>2.9</td><td>O K</td></tr><tr><td>180 min Summer</td><td>5.252</td><td>1.402</td><td>0.2</td><td>3.0</td><td>O K</td></tr><tr><td>240 min Summer</td><td>5.291</td><td>1.441</td><td>0.2</td><td>3.0</td><td>O K</td></tr><tr><td>360 min Summer</td><td>5.304</td><td>1.454</td><td>0.2</td><td>3.0</td><td>O K</td></tr><tr><td>480 min 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Date 9 March 2020 File SA3.SRCX	Designed by R Checked by	
Micro Drainage Source Control 2016.1		

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)	19.000	Shortest Storm (mins)	15
Ratio R	0.350	Longest Storm (mins)	720
Summer Storms	Yes	Climate Change %	+40

Time Area Diagram

Total Area (ha) 0.000

Time (mins)	Area		
From:	To:	(ha)	
0	4	0.000	

Time Area Diagram

Total Area (ha) 0.007

Time (mins)	Area		
From:	To:	(ha)	
0	4	0.007	

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Model Details

Storage is Online Cover Level (m) 5.750

Lined Soakaway Structure

Infiltration Coefficient Base (m/hr)	0.00000	Ring Diameter (m)	1.20
Infiltration Coefficient Side (m/hr)	0.11484	Pit Multiplier	2.0
Safety Factor	2.0	Number Required	1
Porosity	0.30	Cap Volume Depth (m)	0.000
Invert Level (m)	3.850	Cap Infiltration Depth (m)	1.000

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