



Odyssey		Page 1																								
Tuscany House White Hart Lane Basingstoke RG21 4AF	Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45																									
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX	Designed by WindesPC5 Checked by																									
Innovyze	Network 2020.1.3																									
<u>Time Area Diagram for Storm at outfall (pipe 1.001)</u> <table border="1"> <thead> <tr> <th>Time (mins)</th> <th>Area (ha)</th> <th>Time (mins)</th> <th>Area (ha)</th> </tr> </thead> <tbody> <tr> <td>0-4</td> <td>0.003</td> <td>4-8</td> <td>0.001</td> </tr> </tbody> </table> Total Area Contributing (ha) = 0.004 Total Pipe Volume (m³) = 3.223 <u>Time Area Diagram at outfall (pipe 2.001)</u> <table border="1"> <thead> <tr> <th>Time (mins)</th> <th>Area (ha)</th> <th>Time (mins)</th> <th>Area (ha)</th> </tr> </thead> <tbody> <tr> <td>0-4</td> <td>0.003</td> <td>4-8</td> <td>0.001</td> </tr> </tbody> </table> Total Area Contributing (ha) = 0.004 Total Pipe Volume (m³) = 3.441 <u>Time Area Diagram at outfall (pipe 3.001)</u> <table border="1"> <thead> <tr> <th>Time (mins)</th> <th>Area (ha)</th> <th>Time (mins)</th> <th>Area (ha)</th> </tr> </thead> <tbody> <tr> <td>0-4</td> <td>0.003</td> <td>4-8</td> <td>0.001</td> </tr> </tbody> </table> Total Area Contributing (ha) = 0.004			Time (mins)	Area (ha)	Time (mins)	Area (ha)	0-4	0.003	4-8	0.001	Time (mins)	Area (ha)	Time (mins)	Area (ha)	0-4	0.003	4-8	0.001	Time (mins)	Area (ha)	Time (mins)	Area (ha)	0-4	0.003	4-8	0.001
Time (mins)	Area (ha)	Time (mins)	Area (ha)																							
0-4	0.003	4-8	0.001																							
Time (mins)	Area (ha)	Time (mins)	Area (ha)																							
0-4	0.003	4-8	0.001																							
Time (mins)	Area (ha)	Time (mins)	Area (ha)																							
0-4	0.003	4-8	0.001																							
©1982-2020 Innovyze																										

Odyssey		Page 2																
Tuscany House White Hart Lane Basingstoke RG21 4AF	Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45																	
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX	Designed by WindesPC5 Checked by																	
Innovyze	Network 2020.1.3																	
<u>Time Area Diagram at outfall (pipe 3.001)</u> Total Pipe Volume (m³) = 3.477 <u>Time Area Diagram at outfall (pipe 4.001)</u> <table><thead><tr><th>Time (mins)</th><th>Area (ha)</th><th>Time (mins)</th><th>Area (ha)</th></tr></thead><tbody><tr><td>0-4</td><td>0.003</td><td>4-8</td><td>0.001</td></tr></tbody></table> Total Area Contributing (ha) = 0.004 Total Pipe Volume (m³) = 3.366 <u>Time Area Diagram at outfall (pipe 5.001)</u> <table><thead><tr><th>Time (mins)</th><th>Area (ha)</th><th>Time (mins)</th><th>Area (ha)</th></tr></thead><tbody><tr><td>0-4</td><td>0.003</td><td>4-8</td><td>0.001</td></tr></tbody></table> Total Area Contributing (ha) = 0.004 Total Pipe Volume (m³) = 3.349			Time (mins)	Area (ha)	Time (mins)	Area (ha)	0-4	0.003	4-8	0.001	Time (mins)	Area (ha)	Time (mins)	Area (ha)	0-4	0.003	4-8	0.001
Time (mins)	Area (ha)	Time (mins)	Area (ha)															
0-4	0.003	4-8	0.001															
Time (mins)	Area (ha)	Time (mins)	Area (ha)															
0-4	0.003	4-8	0.001															
©1982-2020 Innovyze																		

Odyssey		Page 3																
Tuscany House White Hart Lane Basingstoke RG21 4AF	Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45																	
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX	Designed by WindesPC5 Checked by																	
Innovyze	Network 2020.1.3																	
<u>Time Area Diagram at outfall (pipe 6.001)</u> <table><thead><tr><th>Time (mins)</th><th>Area (ha)</th><th>Time (mins)</th><th>Area (ha)</th></tr></thead><tbody><tr><td>0-4</td><td>0.003</td><td>4-8</td><td>0.001</td></tr></tbody></table> Total Area Contributing (ha) = 0.004 Total Pipe Volume (m³) = 3.174 <u>Time Area Diagram at outfall (pipe 7.001)</u> <table><thead><tr><th>Time (mins)</th><th>Area (ha)</th><th>Time (mins)</th><th>Area (ha)</th></tr></thead><tbody><tr><td>0-4</td><td>0.003</td><td>4-8</td><td>0.001</td></tr></tbody></table> Total Area Contributing (ha) = 0.004 Total Pipe Volume (m³) = 2.848			Time (mins)	Area (ha)	Time (mins)	Area (ha)	0-4	0.003	4-8	0.001	Time (mins)	Area (ha)	Time (mins)	Area (ha)	0-4	0.003	4-8	0.001
Time (mins)	Area (ha)	Time (mins)	Area (ha)															
0-4	0.003	4-8	0.001															
Time (mins)	Area (ha)	Time (mins)	Area (ha)															
0-4	0.003	4-8	0.001															
©1982-2020 Innovyze																		

Odyssey										Page 4																																																																																																																																																	
Tuscany House White Hart Lane Basingstoke RG21 4AF					Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45																																																																																																																																																						
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX					Designed by WindesPC5 Checked by																																																																																																																																																						
Innovyze					Network 2020.1.3																																																																																																																																																						
<u>Existing Network Details for Storm</u> <table><tr><th>PN</th><th>Length (m)</th><th>Fall (m)</th><th>Slope (1:X)</th><th>I.Area (ha)</th><th>T.E. (mins)</th><th>Base Flow (l/s)</th><th>k (mm)</th><th>n</th><th>HYD SECT</th><th>DIA (mm)</th><th>Section Type</th></tr><tr><td>1.000</td><td>4.410</td><td>0.030</td><td>147.0</td><td>0.004</td><td>5.00</td><td>0.0</td><td></td><td>0.075</td><td>→ ↓ →</td><td></td><td>Porous Car Park</td></tr><tr><td>1.001</td><td>0.637</td><td>0.006</td><td>106.2</td><td>0.000</td><td>0.00</td><td>0.0</td><td>0.600</td><td></td><td>o</td><td>400</td><td>Pipe/Conduit</td></tr><tr><td>2.000</td><td>4.587</td><td>0.090</td><td>51.0</td><td>0.004</td><td>5.00</td><td>0.0</td><td></td><td>0.075</td><td>→ ↓ →</td><td></td><td>Porous Car Park</td></tr><tr><td>2.001</td><td>0.628</td><td>0.006</td><td>104.7</td><td>0.000</td><td>0.00</td><td>0.0</td><td>0.600</td><td></td><td>o</td><td>400</td><td>Pipe/Conduit</td></tr><tr><td>3.000</td><td>4.688</td><td>0.160</td><td>29.3</td><td>0.004</td><td>5.00</td><td>0.0</td><td></td><td>0.075</td><td>→ ↓ →</td><td></td><td>Porous Car Park</td></tr><tr><td>3.001</td><td>0.699</td><td>0.007</td><td>99.9</td><td>0.000</td><td>0.00</td><td>0.0</td><td>0.600</td><td></td><td>o</td><td>400</td><td>Pipe/Conduit</td></tr><tr><td>4.000</td><td>4.534</td><td>0.220</td><td>20.6</td><td>0.004</td><td>5.00</td><td>0.0</td><td></td><td>0.075</td><td>→ ↓ →</td><td></td><td>Porous Car Park</td></tr></table> <u>Network Results Table</u> <table><tr><th>PN</th><th>US/IL (m)</th><th>Σ I.Area (ha)</th><th>Σ Base Flow (l/s)</th><th>Vel (m/s)</th><th>Cap (l/s)</th></tr><tr><td>1.000</td><td>6.940</td><td>0.004</td><td>0.0</td><td>0.18</td><td>129.7</td></tr><tr><td>1.001</td><td>6.910</td><td>0.004</td><td>0.0</td><td>1.83</td><td>230.1</td></tr><tr><td>2.000</td><td>6.910</td><td>0.004</td><td>0.0</td><td>0.31</td><td>230.4</td></tr><tr><td>2.001</td><td>6.820</td><td>0.004</td><td>0.0</td><td>1.84</td><td>231.8</td></tr><tr><td>3.000</td><td>6.820</td><td>0.004</td><td>0.0</td><td>0.41</td><td>297.1</td></tr><tr><td>3.001</td><td>6.660</td><td>0.004</td><td>0.0</td><td>1.89</td><td>237.4</td></tr><tr><td>4.000</td><td>6.660</td><td>0.004</td><td>0.0</td><td>0.49</td><td>354.3</td></tr></table>												PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	1.000	4.410	0.030	147.0	0.004	5.00	0.0		0.075	→ ↓ →		Porous Car Park	1.001	0.637	0.006	106.2	0.000	0.00	0.0	0.600		o	400	Pipe/Conduit	2.000	4.587	0.090	51.0	0.004	5.00	0.0		0.075	→ ↓ →		Porous Car Park	2.001	0.628	0.006	104.7	0.000	0.00	0.0	0.600		o	400	Pipe/Conduit	3.000	4.688	0.160	29.3	0.004	5.00	0.0		0.075	→ ↓ →		Porous Car Park	3.001	0.699	0.007	99.9	0.000	0.00	0.0	0.600		o	400	Pipe/Conduit	4.000	4.534	0.220	20.6	0.004	5.00	0.0		0.075	→ ↓ →		Porous Car Park	PN	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Vel (m/s)	Cap (l/s)	1.000	6.940	0.004	0.0	0.18	129.7	1.001	6.910	0.004	0.0	1.83	230.1	2.000	6.910	0.004	0.0	0.31	230.4	2.001	6.820	0.004	0.0	1.84	231.8	3.000	6.820	0.004	0.0	0.41	297.1	3.001	6.660	0.004	0.0	1.89	237.4	4.000	6.660	0.004	0.0	0.49	354.3
PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type																																																																																																																																																
1.000	4.410	0.030	147.0	0.004	5.00	0.0		0.075	→ ↓ →		Porous Car Park																																																																																																																																																
1.001	0.637	0.006	106.2	0.000	0.00	0.0	0.600		o	400	Pipe/Conduit																																																																																																																																																
2.000	4.587	0.090	51.0	0.004	5.00	0.0		0.075	→ ↓ →		Porous Car Park																																																																																																																																																
2.001	0.628	0.006	104.7	0.000	0.00	0.0	0.600		o	400	Pipe/Conduit																																																																																																																																																
3.000	4.688	0.160	29.3	0.004	5.00	0.0		0.075	→ ↓ →		Porous Car Park																																																																																																																																																
3.001	0.699	0.007	99.9	0.000	0.00	0.0	0.600		o	400	Pipe/Conduit																																																																																																																																																
4.000	4.534	0.220	20.6	0.004	5.00	0.0		0.075	→ ↓ →		Porous Car Park																																																																																																																																																
PN	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Vel (m/s)	Cap (l/s)																																																																																																																																																						
1.000	6.940	0.004	0.0	0.18	129.7																																																																																																																																																						
1.001	6.910	0.004	0.0	1.83	230.1																																																																																																																																																						
2.000	6.910	0.004	0.0	0.31	230.4																																																																																																																																																						
2.001	6.820	0.004	0.0	1.84	231.8																																																																																																																																																						
3.000	6.820	0.004	0.0	0.41	297.1																																																																																																																																																						
3.001	6.660	0.004	0.0	1.89	237.4																																																																																																																																																						
4.000	6.660	0.004	0.0	0.49	354.3																																																																																																																																																						
©1982-2020 Innovyze																																																																																																																																																											

Odyssey							Page 5																																																																																																																																																				
Tuscany House White Hart Lane Basingstoke RG21 4AF				Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45																																																																																																																																																							
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX				Designed by WindesPC5 Checked by																																																																																																																																																							
Innovyze				Network 2020.1.3																																																																																																																																																							
<u>Existing Network Details for Storm</u> <table><thead><tr><th>PN</th><th>Length (m)</th><th>Fall (m)</th><th>Slope (1:X)</th><th>I.Area (ha)</th><th>T.E. (mins)</th><th>Base Flow (l/s)</th><th>k (mm)</th><th>n</th><th>HYD SECT</th><th>DIA (mm)</th><th>Section Type</th></tr></thead><tbody><tr><td>4.001</td><td>0.705</td><td>0.007</td><td>100.7</td><td>0.000</td><td>0.00</td><td>0.0</td><td>0.600</td><td></td><td>o</td><td>400</td><td>Pipe/Conduit</td></tr><tr><td>5.000</td><td>4.512</td><td>0.240</td><td>18.8</td><td>0.004</td><td>5.00</td><td>0.0</td><td></td><td>0.075</td><td>→ ↓ →</td><td></td><td>Porous Car Park</td></tr><tr><td>5.001</td><td>1.315</td><td>0.013</td><td>101.2</td><td>0.000</td><td>0.00</td><td>0.0</td><td>0.600</td><td></td><td>o</td><td>400</td><td>Pipe/Conduit</td></tr><tr><td>6.000</td><td>4.666</td><td>0.220</td><td>21.2</td><td>0.004</td><td>5.00</td><td>0.0</td><td></td><td>0.075</td><td>→ ↓ →</td><td></td><td>Porous Car Park</td></tr><tr><td>6.001</td><td>1.509</td><td>0.015</td><td>100.6</td><td>0.000</td><td>0.00</td><td>0.0</td><td>0.600</td><td></td><td>o</td><td>400</td><td>Pipe/Conduit</td></tr><tr><td>7.000</td><td>4.026</td><td>0.240</td><td>16.8</td><td>0.004</td><td>5.00</td><td>0.0</td><td></td><td>0.075</td><td>→ ↓ →</td><td></td><td>Porous Car Park</td></tr><tr><td>7.001</td><td>0.988</td><td>0.010</td><td>98.8</td><td>0.000</td><td>0.00</td><td>0.0</td><td>0.600</td><td></td><td>o</td><td>400</td><td>Pipe/Conduit</td></tr></tbody></table> <u>Network Results Table</u> <table><thead><tr><th>PN</th><th>US/IL (m)</th><th>Σ I.Area (ha)</th><th>Σ Base Flow (l/s)</th><th>Vel (m/s)</th><th>Cap (l/s)</th></tr></thead><tbody><tr><td>4.001</td><td>6.440</td><td>0.004</td><td>0.0</td><td>1.88</td><td>236.3</td></tr><tr><td>5.000</td><td>6.440</td><td>0.004</td><td>0.0</td><td>0.51</td><td>356.8</td></tr><tr><td>5.001</td><td>6.200</td><td>0.004</td><td>0.0</td><td>1.88</td><td>235.8</td></tr><tr><td>6.000</td><td>6.200</td><td>0.004</td><td>0.0</td><td>0.43</td><td>274.3</td></tr><tr><td>6.001</td><td>5.980</td><td>0.004</td><td>0.0</td><td>1.88</td><td>236.5</td></tr><tr><td>7.000</td><td>5.980</td><td>0.004</td><td>0.0</td><td>0.48</td><td>327.1</td></tr><tr><td>7.001</td><td>5.740</td><td>0.004</td><td>0.0</td><td>1.90</td><td>238.6</td></tr></tbody></table>												PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	4.001	0.705	0.007	100.7	0.000	0.00	0.0	0.600		o	400	Pipe/Conduit	5.000	4.512	0.240	18.8	0.004	5.00	0.0		0.075	→ ↓ →		Porous Car Park	5.001	1.315	0.013	101.2	0.000	0.00	0.0	0.600		o	400	Pipe/Conduit	6.000	4.666	0.220	21.2	0.004	5.00	0.0		0.075	→ ↓ →		Porous Car Park	6.001	1.509	0.015	100.6	0.000	0.00	0.0	0.600		o	400	Pipe/Conduit	7.000	4.026	0.240	16.8	0.004	5.00	0.0		0.075	→ ↓ →		Porous Car Park	7.001	0.988	0.010	98.8	0.000	0.00	0.0	0.600		o	400	Pipe/Conduit	PN	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Vel (m/s)	Cap (l/s)	4.001	6.440	0.004	0.0	1.88	236.3	5.000	6.440	0.004	0.0	0.51	356.8	5.001	6.200	0.004	0.0	1.88	235.8	6.000	6.200	0.004	0.0	0.43	274.3	6.001	5.980	0.004	0.0	1.88	236.5	7.000	5.980	0.004	0.0	0.48	327.1	7.001	5.740	0.004	0.0	1.90	238.6
PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type																																																																																																																																																
4.001	0.705	0.007	100.7	0.000	0.00	0.0	0.600		o	400	Pipe/Conduit																																																																																																																																																
5.000	4.512	0.240	18.8	0.004	5.00	0.0		0.075	→ ↓ →		Porous Car Park																																																																																																																																																
5.001	1.315	0.013	101.2	0.000	0.00	0.0	0.600		o	400	Pipe/Conduit																																																																																																																																																
6.000	4.666	0.220	21.2	0.004	5.00	0.0		0.075	→ ↓ →		Porous Car Park																																																																																																																																																
6.001	1.509	0.015	100.6	0.000	0.00	0.0	0.600		o	400	Pipe/Conduit																																																																																																																																																
7.000	4.026	0.240	16.8	0.004	5.00	0.0		0.075	→ ↓ →		Porous Car Park																																																																																																																																																
7.001	0.988	0.010	98.8	0.000	0.00	0.0	0.600		o	400	Pipe/Conduit																																																																																																																																																
PN	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Vel (m/s)	Cap (l/s)																																																																																																																																																						
4.001	6.440	0.004	0.0	1.88	236.3																																																																																																																																																						
5.000	6.440	0.004	0.0	0.51	356.8																																																																																																																																																						
5.001	6.200	0.004	0.0	1.88	235.8																																																																																																																																																						
6.000	6.200	0.004	0.0	0.43	274.3																																																																																																																																																						
6.001	5.980	0.004	0.0	1.88	236.5																																																																																																																																																						
7.000	5.980	0.004	0.0	0.48	327.1																																																																																																																																																						
7.001	5.740	0.004	0.0	1.90	238.6																																																																																																																																																						
©1982-2020 Innovyze																																																																																																																																																											

Odyssey										Page 6	
Tuscany House White Hart Lane Basingstoke RG21 4AF					Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45						
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX					Designed by WindesPC5 Checked by						
Innovyze					Network 2020.1.3						
<u>Manhole Schedules for Storm</u>											
MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	Pipe Out PN	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	Pipes In PN	Pipes In Invert Level (m)	Pipes In Diameter (mm)	Backdrop (mm)
Dam 8	7.435	0.495	Open Manhole	250	1.000	6.940					
2	7.419	0.509	Open Manhole	250	1.001	6.910	400	1.000	6.910		
	7.419	0.515	Open Manhole	0		OUTFALL		1.001	6.904	400	
Dam 7	7.419	0.509	Open Manhole	250	2.000	6.910					
4	7.345	0.525	Open Manhole	250	2.001	6.820	400	2.000	6.820		
	7.345	0.531	Open Manhole	0		OUTFALL		2.001	6.814	400	
Dam 6	7.322	0.502	Open Manhole	250	3.000	6.820					
6	7.162	0.502	Open Manhole	250	3.001	6.660	400	3.000	6.660		
	7.162	0.509	Open Manhole	0		OUTFALL		3.001	6.653	400	
Dam 5	7.162	0.502	Open Manhole	250	4.000	6.660					
8	7.002	0.562	Open Manhole	250	4.001	6.440	400	4.000	6.440		
	7.002	0.569	Open Manhole	0		OUTFALL		4.001	6.433	400	
Dam 4	6.930	0.490	Open Manhole	250	5.000	6.440					
10	6.690	0.490	Open Manhole	250	5.001	6.200	400	5.000	6.200		
	6.690	0.503	Open Manhole	0		OUTFALL		5.001	6.187	400	
Dam 3	6.610	0.410	Open Manhole	250	6.000	6.200					
12	6.390	0.410	Open Manhole	250	6.001	5.980	400	6.000	5.980		
	6.390	0.425	Open Manhole	0		OUTFALL		6.001	5.965	400	
©1982-2020 Innovyze											

Odyssey										Page 7	
Tuscany House White Hart Lane Basingstoke RG21 4AF					Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45						
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX					Designed by WindesPC5 Checked by						
Innovyze					Network 2020.1.3						
<u>Manhole Schedules for Storm</u>											
MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
Dam 2	6.390	0.410	Open Manhole	250	7.000	5.980					
Dam 1	6.238	0.498	Open Manhole	250	7.001	5.740	400	7.000	5.740		
	6.238	0.508	Open Manhole	0		OUTFALL		7.001	5.730	400	
MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout					
Dam 8	497796.258	103761.153	497796.258	103761.153	Required						
2	497800.318	103759.434	497800.318	103759.434	Required						
	497800.936	103759.589			No Entry						
Dam 7	497800.293	103759.351	497800.293	103759.351	Required						
©1982-2020 Innovyze											

Odyssey					Page 8	
Tuscany House White Hart Lane Basingstoke RG21 4AF			Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45			
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX			Designed by WindesPC5 Checked by			
Innovyze			Network 2020.1.3			
<u>Manhole Schedules for Storm</u>						
MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
4	497804.537	103757.610	497804.537	103757.610	Required	
	497805.138	103757.792			No Entry	
Dam 6	497804.495	103757.555	497804.495	103757.555	Required	
6	497808.906	103755.968	497808.906	103755.968	Required	
	497809.563	103756.205			No Entry	
Dam 5	497808.878	103755.905	497808.878	103755.905	Required	
8	497813.177	103754.465	497813.177	103754.465	Required	
	497813.842	103754.702			No Entry	
©1982-2020 Innovyze						

Odyssey					Page 9	
Tuscany House White Hart Lane Basingstoke RG21 4AF			Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45			
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX			Designed by WindesPC5 Checked by			
Innovyze			Network 2020.1.3			
<u>Manhole Schedules for Storm</u>						
MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
Dam 4	497813.111	103754.355	497813.111	103754.355	Required	
10	497817.388	103752.917	497817.388	103752.917	Required	
	497818.680	103753.159			No Entry	
Dam 3	497817.315	103752.796	497817.315	103752.796	Required	
12	497821.700	103751.202	497821.700	103751.202	Required	
	497823.174	103751.528			No Entry	
Dam 2	497821.640	103751.020	497821.640	103751.020	Required	
Dam 1	497825.506	103749.897	497825.506	103749.897	Required	
©1982-2020 Innovyze						

Odyssey		Page 10														
Tuscany House White Hart Lane Basingstoke RG21 4AF	Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45															
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX	Designed by WindesPC5 Checked by															
Innovyze		Network 2020.1.3														
<u>Manhole Schedules for Storm</u> <table border="1"> <thead> <tr> <th>MH Name</th> <th>Manhole Easting (m)</th> <th>Manhole Northing (m)</th> <th>Intersection Easting (m)</th> <th>Intersection Northing (m)</th> <th>Manhole Access</th> <th>Layout (North)</th> </tr> </thead> <tbody> <tr> <td></td> <td>497826.472</td> <td>103750.102</td> <td></td> <td></td> <td>No Entry</td> <td>  </td> </tr> </tbody> </table>			MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)		497826.472	103750.102			No Entry	
MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)										
	497826.472	103750.102			No Entry											
©1982-2020 Innovyze																

Odyssey		Page 11
Tuscany House White Hart Lane Basingstoke RG21 4AF	Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45	
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX	Designed by WindesPC5 Checked by	
Innovyze	Network 2020.1.3	

Area Summary for Storm

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
1.000	-	-	100	0.004	0.004	0.004
1.001	-	-	100	0.000	0.000	0.000
2.000	-	-	100	0.004	0.004	0.004
2.001	-	-	100	0.000	0.000	0.000
3.000	-	-	100	0.004	0.004	0.004
3.001	-	-	100	0.000	0.000	0.000
4.000	-	-	100	0.004	0.004	0.004
4.001	-	-	100	0.000	0.000	0.000
5.000	-	-	100	0.004	0.004	0.004
5.001	-	-	100	0.000	0.000	0.000
6.000	-	-	100	0.004	0.004	0.004
6.001	-	-	100	0.000	0.000	0.000
7.000	-	-	100	0.004	0.004	0.004
7.001	-	-	100	0.000	0.000	0.000
				Total	Total	Total
				0.028	0.028	0.028

Free Flowing Outfall Details for Storm

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
1.001		7.419	6.904	0.000	0	0

©1982-2020 Innovyze

Odyssey		Page 12				
Tuscany House White Hart Lane Basingstoke RG21 4AF	Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45					
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX	Designed by WindesPC5 Checked by					
Innovyze	Network 2020.1.3					
<u>Free Flowing Outfall Details for Storm</u>						
Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
2.001		7.345	6.814	0.000	0	0
<u>Free Flowing Outfall Details for Storm</u>						
Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
3.001		7.162	6.653	0.000	0	0
<u>Free Flowing Outfall Details for Storm</u>						
Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
4.001		7.002	6.433	0.000	0	0

Odyssey		Page 13	
Tuscany House White Hart Lane Basingstoke RG21 4AF	Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45		
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX	Designed by WindesPC5 Checked by		
Innovyze	Network 2020.1.3		

Free Flowing Outfall Details for Storm

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
5.001		6.690	6.187	0.000	0	0

Free Flowing Outfall Details for Storm

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
6.001		6.390	5.965	0.000	0	0

Free Flowing Outfall Details for Storm

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
7.001		6.238	5.730	0.000	0	0

©1982-2020 Innovyze

Odyssey		Page 14
Tuscany House White Hart Lane Basingstoke RG21 4AF	Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45	
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX	Designed by WindesPC5 Checked by	
Innovyze	Network 2020.1.3	
<u>Online Controls for Storm</u> <u>Pump Manhole: 2, DS/PN: 1.001, Volume (m³): 3.0</u> Invert Level (m) 6.910 <u>Pump Manhole: 4, DS/PN: 2.001, Volume (m³): 3.2</u> Invert Level (m) 6.820 <u>Pump Manhole: 6, DS/PN: 3.001, Volume (m³): 3.2</u> Invert Level (m) 6.660 <u>Pump Manhole: 8, DS/PN: 4.001, Volume (m³): 3.1</u> Invert Level (m) 6.440 <u>Pump Manhole: 10, DS/PN: 5.001, Volume (m³): 3.0</u> Invert Level (m) 6.200 <u>Pump Manhole: 12, DS/PN: 6.001, Volume (m³): 2.8</u> Invert Level (m) 5.980		
©1982-2020 Innovyze		

Odyssey		Page 15
Tuscany House White Hart Lane Basingstoke RG21 4AF	Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45	
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX	Designed by WindesPC5 Checked by	
Innovyze	Network 2020.1.3	
<u>Pump Manhole: Dam 1, DS/PN: 7.001, Volume (m³): 2.6</u> Invert Level (m) 5.740		
©1982-2020 Innovyze		

Odyssey		Page 16
Tuscany House White Hart Lane Basingstoke RG21 4AF	Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45	
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX	Designed by WindesPC5 Checked by	
Innovyze	Network 2020.1.3	
<u>Offline Controls for Storm</u> <u>Weir Manhole: 2, DS/PN: 1.001, Loop to PN: 2.000</u> Discharge Coef 0.544 Width (m) 4.800 Invert Level (m) 7.418 <u>Weir Manhole: 4, DS/PN: 2.001, Loop to PN: 3.000</u> Discharge Coef 0.544 Width (m) 4.800 Invert Level (m) 7.344 <u>Weir Manhole: 6, DS/PN: 3.001, Loop to PN: 4.000</u> Discharge Coef 0.544 Width (m) 4.800 Invert Level (m) 7.161 <u>Weir Manhole: 8, DS/PN: 4.001, Loop to PN: 5.000</u> Discharge Coef 0.544 Width (m) 4.800 Invert Level (m) 7.001 <u>Weir Manhole: 10, DS/PN: 5.001, Loop to PN: 6.000</u> Discharge Coef 0.544 Width (m) 5.200 Invert Level (m) 6.689 <u>Weir Manhole: 12, DS/PN: 6.001, Loop to PN: 7.000</u> Discharge Coef 0.544 Width (m) 5.500 Invert Level (m) 6.389		
©1982-2020 Innovyze		

Odyssey		Page 17																																																																																										
Tuscany House White Hart Lane Basingstoke RG21 4AF	Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45																																																																																											
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX	Designed by WindesPC5 Checked by																																																																																											
Innovyze	Network 2020.1.3																																																																																											
<u>Storage Structures for Storm</u> <u>Porous Car Park Pipe: 1.000</u> <table> <tr> <td>Manning's N</td> <td>0.075</td> <td>Porosity</td> <td>0.30</td> <td>Depression Storage (mm)</td> <td>5</td> </tr> <tr> <td>Infiltration Coefficient Base (m/hr)</td> <td>0.00648</td> <td>Invert Level (m)</td> <td>6.940</td> <td>Evaporation (mm/day)</td> <td>3</td> </tr> <tr> <td>Membrane Percolation (mm/hr)</td> <td>1000</td> <td>Width (m)</td> <td>4.8</td> <td>Membrane Depth (mm)</td> <td>0</td> </tr> <tr> <td>Max Percolation (l/s)</td> <td>5.9</td> <td>Length (m)</td> <td>4.4</td> <td></td> <td></td> </tr> <tr> <td>Safety Factor</td> <td>2.0</td> <td>Slope (1:X)</td> <td>147.0</td> <td></td> <td></td> </tr> </table> <u>Porous Car Park Pipe: 2.000</u> <table> <tr> <td>Manning's N</td> <td>0.075</td> <td>Porosity</td> <td>0.30</td> <td>Depression Storage (mm)</td> <td>5</td> </tr> <tr> <td>Infiltration Coefficient Base (m/hr)</td> <td>0.00648</td> <td>Invert Level (m)</td> <td>6.910</td> <td>Evaporation (mm/day)</td> <td>3</td> </tr> <tr> <td>Membrane Percolation (mm/hr)</td> <td>1000</td> <td>Width (m)</td> <td>4.8</td> <td>Membrane Depth (mm)</td> <td>0</td> </tr> <tr> <td>Max Percolation (l/s)</td> <td>6.1</td> <td>Length (m)</td> <td>4.6</td> <td></td> <td></td> </tr> <tr> <td>Safety Factor</td> <td>2.0</td> <td>Slope (1:X)</td> <td>51.0</td> <td></td> <td></td> </tr> </table> <u>Porous Car Park Pipe: 3.000</u> <table> <tr> <td>Manning's N</td> <td>0.075</td> <td>Porosity</td> <td>0.30</td> <td>Depression Storage (mm)</td> <td>5</td> </tr> <tr> <td>Infiltration Coefficient Base (m/hr)</td> <td>0.00648</td> <td>Invert Level (m)</td> <td>6.820</td> <td>Evaporation (mm/day)</td> <td>3</td> </tr> <tr> <td>Membrane Percolation (mm/hr)</td> <td>1000</td> <td>Width (m)</td> <td>4.8</td> <td>Membrane Depth (mm)</td> <td>0</td> </tr> <tr> <td>Max Percolation (l/s)</td> <td>6.3</td> <td>Length (m)</td> <td>4.7</td> <td></td> <td></td> </tr> <tr> <td>Safety Factor</td> <td>2.0</td> <td>Slope (1:X)</td> <td>29.3</td> <td></td> <td></td> </tr> </table>			Manning's N	0.075	Porosity	0.30	Depression Storage (mm)	5	Infiltration Coefficient Base (m/hr)	0.00648	Invert Level (m)	6.940	Evaporation (mm/day)	3	Membrane Percolation (mm/hr)	1000	Width (m)	4.8	Membrane Depth (mm)	0	Max Percolation (l/s)	5.9	Length (m)	4.4			Safety Factor	2.0	Slope (1:X)	147.0			Manning's N	0.075	Porosity	0.30	Depression Storage (mm)	5	Infiltration Coefficient Base (m/hr)	0.00648	Invert Level (m)	6.910	Evaporation (mm/day)	3	Membrane Percolation (mm/hr)	1000	Width (m)	4.8	Membrane Depth (mm)	0	Max Percolation (l/s)	6.1	Length (m)	4.6			Safety Factor	2.0	Slope (1:X)	51.0			Manning's N	0.075	Porosity	0.30	Depression Storage (mm)	5	Infiltration Coefficient Base (m/hr)	0.00648	Invert Level (m)	6.820	Evaporation (mm/day)	3	Membrane Percolation (mm/hr)	1000	Width (m)	4.8	Membrane Depth (mm)	0	Max Percolation (l/s)	6.3	Length (m)	4.7			Safety Factor	2.0	Slope (1:X)	29.3		
Manning's N	0.075	Porosity	0.30	Depression Storage (mm)	5																																																																																							
Infiltration Coefficient Base (m/hr)	0.00648	Invert Level (m)	6.940	Evaporation (mm/day)	3																																																																																							
Membrane Percolation (mm/hr)	1000	Width (m)	4.8	Membrane Depth (mm)	0																																																																																							
Max Percolation (l/s)	5.9	Length (m)	4.4																																																																																									
Safety Factor	2.0	Slope (1:X)	147.0																																																																																									
Manning's N	0.075	Porosity	0.30	Depression Storage (mm)	5																																																																																							
Infiltration Coefficient Base (m/hr)	0.00648	Invert Level (m)	6.910	Evaporation (mm/day)	3																																																																																							
Membrane Percolation (mm/hr)	1000	Width (m)	4.8	Membrane Depth (mm)	0																																																																																							
Max Percolation (l/s)	6.1	Length (m)	4.6																																																																																									
Safety Factor	2.0	Slope (1:X)	51.0																																																																																									
Manning's N	0.075	Porosity	0.30	Depression Storage (mm)	5																																																																																							
Infiltration Coefficient Base (m/hr)	0.00648	Invert Level (m)	6.820	Evaporation (mm/day)	3																																																																																							
Membrane Percolation (mm/hr)	1000	Width (m)	4.8	Membrane Depth (mm)	0																																																																																							
Max Percolation (l/s)	6.3	Length (m)	4.7																																																																																									
Safety Factor	2.0	Slope (1:X)	29.3																																																																																									
©1982-2020 Innovyze																																																																																												

Odyssey		Page 18																														
Tuscany House White Hart Lane Basingstoke RG21 4AF	Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45																															
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX	Designed by WindesPC5 Checked by																															
Innovyze	Network 2020.1.3																															
<u>Porous Car Park Pipe: 4.000</u> <table><tr><td>Manning's N</td><td>0.075</td><td>Porosity</td><td>0.30</td><td>Depression Storage (mm)</td><td>5</td></tr><tr><td>Infiltration Coefficient Base (m/hr)</td><td>0.00648</td><td>Invert Level (m)</td><td>6.660</td><td>Evaporation (mm/day)</td><td>3</td></tr><tr><td>Membrane Percolation (mm/hr)</td><td>1000</td><td>Width (m)</td><td>4.8</td><td>Membrane Depth (mm)</td><td>0</td></tr><tr><td>Max Percolation (l/s)</td><td>6.0</td><td>Length (m)</td><td>4.5</td><td></td><td></td></tr><tr><td>Safety Factor</td><td>2.0</td><td>Slope (1:X)</td><td>20.6</td><td></td><td></td></tr></table>			Manning's N	0.075	Porosity	0.30	Depression Storage (mm)	5	Infiltration Coefficient Base (m/hr)	0.00648	Invert Level (m)	6.660	Evaporation (mm/day)	3	Membrane Percolation (mm/hr)	1000	Width (m)	4.8	Membrane Depth (mm)	0	Max Percolation (l/s)	6.0	Length (m)	4.5			Safety Factor	2.0	Slope (1:X)	20.6		
Manning's N	0.075	Porosity	0.30	Depression Storage (mm)	5																											
Infiltration Coefficient Base (m/hr)	0.00648	Invert Level (m)	6.660	Evaporation (mm/day)	3																											
Membrane Percolation (mm/hr)	1000	Width (m)	4.8	Membrane Depth (mm)	0																											
Max Percolation (l/s)	6.0	Length (m)	4.5																													
Safety Factor	2.0	Slope (1:X)	20.6																													
<u>Porous Car Park Pipe: 5.000</u> <table><tr><td>Manning's N</td><td>0.075</td><td>Porosity</td><td>0.30</td><td>Depression Storage (mm)</td><td>5</td></tr><tr><td>Infiltration Coefficient Base (m/hr)</td><td>0.00648</td><td>Invert Level (m)</td><td>6.440</td><td>Evaporation (mm/day)</td><td>3</td></tr><tr><td>Membrane Percolation (mm/hr)</td><td>1000</td><td>Width (m)</td><td>4.8</td><td>Membrane Depth (mm)</td><td>0</td></tr><tr><td>Max Percolation (l/s)</td><td>6.0</td><td>Length (m)</td><td>4.5</td><td></td><td></td></tr><tr><td>Safety Factor</td><td>2.0</td><td>Slope (1:X)</td><td>18.8</td><td></td><td></td></tr></table>			Manning's N	0.075	Porosity	0.30	Depression Storage (mm)	5	Infiltration Coefficient Base (m/hr)	0.00648	Invert Level (m)	6.440	Evaporation (mm/day)	3	Membrane Percolation (mm/hr)	1000	Width (m)	4.8	Membrane Depth (mm)	0	Max Percolation (l/s)	6.0	Length (m)	4.5			Safety Factor	2.0	Slope (1:X)	18.8		
Manning's N	0.075	Porosity	0.30	Depression Storage (mm)	5																											
Infiltration Coefficient Base (m/hr)	0.00648	Invert Level (m)	6.440	Evaporation (mm/day)	3																											
Membrane Percolation (mm/hr)	1000	Width (m)	4.8	Membrane Depth (mm)	0																											
Max Percolation (l/s)	6.0	Length (m)	4.5																													
Safety Factor	2.0	Slope (1:X)	18.8																													
<u>Porous Car Park Pipe: 6.000</u> <table><tr><td>Manning's N</td><td>0.075</td><td>Porosity</td><td>0.30</td><td>Depression Storage (mm)</td><td>5</td></tr><tr><td>Infiltration Coefficient Base (m/hr)</td><td>0.00648</td><td>Invert Level (m)</td><td>6.200</td><td>Evaporation (mm/day)</td><td>3</td></tr><tr><td>Membrane Percolation (mm/hr)</td><td>1000</td><td>Width (m)</td><td>5.2</td><td>Membrane Depth (mm)</td><td>0</td></tr><tr><td>Max Percolation (l/s)</td><td>6.7</td><td>Length (m)</td><td>4.7</td><td></td><td></td></tr><tr><td>Safety Factor</td><td>2.0</td><td>Slope (1:X)</td><td>21.2</td><td></td><td></td></tr></table>			Manning's N	0.075	Porosity	0.30	Depression Storage (mm)	5	Infiltration Coefficient Base (m/hr)	0.00648	Invert Level (m)	6.200	Evaporation (mm/day)	3	Membrane Percolation (mm/hr)	1000	Width (m)	5.2	Membrane Depth (mm)	0	Max Percolation (l/s)	6.7	Length (m)	4.7			Safety Factor	2.0	Slope (1:X)	21.2		
Manning's N	0.075	Porosity	0.30	Depression Storage (mm)	5																											
Infiltration Coefficient Base (m/hr)	0.00648	Invert Level (m)	6.200	Evaporation (mm/day)	3																											
Membrane Percolation (mm/hr)	1000	Width (m)	5.2	Membrane Depth (mm)	0																											
Max Percolation (l/s)	6.7	Length (m)	4.7																													
Safety Factor	2.0	Slope (1:X)	21.2																													
<u>Porous Car Park Pipe: 7.000</u> <table><tr><td>Manning's N</td><td>0.075</td><td>Max Percolation (l/s)</td><td>6.2</td><td>Invert Level (m)</td><td>5.980</td></tr><tr><td>Infiltration Coefficient Base (m/hr)</td><td>0.00648</td><td>Safety Factor</td><td>2.0</td><td>Width (m)</td><td>5.5</td></tr><tr><td>Membrane Percolation (mm/hr)</td><td>1000</td><td>Porosity</td><td>0.30</td><td>Length (m)</td><td>4.0</td></tr></table>			Manning's N	0.075	Max Percolation (l/s)	6.2	Invert Level (m)	5.980	Infiltration Coefficient Base (m/hr)	0.00648	Safety Factor	2.0	Width (m)	5.5	Membrane Percolation (mm/hr)	1000	Porosity	0.30	Length (m)	4.0												
Manning's N	0.075	Max Percolation (l/s)	6.2	Invert Level (m)	5.980																											
Infiltration Coefficient Base (m/hr)	0.00648	Safety Factor	2.0	Width (m)	5.5																											
Membrane Percolation (mm/hr)	1000	Porosity	0.30	Length (m)	4.0																											
©1982-2020 Innovyze																																

Odyssey		Page 19
Tuscany House White Hart Lane Basingstoke RG21 4AF	Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45	
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX	Designed by WindesPC5 Checked by	
Innovyze		Network 2020.1.3
<u>Porous Car Park Pipe: 7.000</u> Slope (1:X) 16.8 Evaporation (mm/day) 3 Depression Storage (mm) 5 Membrane Depth (mm) 0		
©1982-2020 Innovyze		

Odyssey		Page 20
Tuscany House White Hart Lane Basingstoke RG21 4AF	Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45	
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX	Designed by WindesPC5 Checked by	
Innovyze	Network 2020.1.3	

100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Manhole Headloss Coeff (Global)	0.500	MADD Factor * 10m³/ha Storage	2.000
Hot Start (mins)	0	Foul Sewage per hectare (l/s)	0.000	Inlet Coefficient	0.800
Hot Start Level (mm)	0	Additional Flow - % of Total Flow	0.000	Flow per Person per Day (l/per/day)	0.000

Number of Input Hydrographs	0	Number of Offline Controls	6	Number of Time/Area Diagrams	0
Number of Online Controls	7	Number of Storage Structures	7	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FEH	Data Type	Point
FEH Rainfall Version	2013	Cv (Summer)	0.750
Site Location	GB 497682 103581 SU 97682 03581	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	OFF
Analysis Timestep	2.5 Second Increment (Extended)	Inertia Status	OFF
DTS Status			ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	100
Climate Change (%)	40

		Water Flooded			Maximum Pipe		
US/MH	US/CL	Level	Volume	Flow /	Maximum	Velocity	Flow
PN Name Event	(m)	(m)	(m³)	Cap. Vol (m³)	(m/s)	(l/s)	Status

©1982-2020 Innovyze

Odyssey													Page 21
Tuscany House White Hart Lane Basingstoke RG21 4AF							Stakers Farm, Yapton - 19-156 As built - chainage 0 to 45						
Date 19/04/2022 12:58 File Road 1_dams 1 to 8.MDX							Designed by WindesPC5 Checked by						
Innovyze							Network 2020.1.3						
<u>100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm</u>													
PN	US/MH Name	Event	US/CL (m)	Water Level (m)	Flooded Volume (m³)	Flow / Cap.	Maximum Vol (m³)	Maximum Velocity (m/s)	Pipe Flow (l/s)	Status			
1.000	Dam 8	720 minute 100 year Winter I+40%	7.435	7.360	0.000	0.00	0.020	0.0	0.2	FLOOD RISK			
1.001	2	720 minute 100 year Winter I+40%	7.419	7.360	0.000	0.00	2.598	0.0	0.0	FLOOD RISK			
2.000	Dam 7	600 minute 100 year Winter I+40%	7.419	7.284	0.000	0.00	0.018	0.0	0.2	FLOOD RISK			
2.001	4	600 minute 100 year Winter I+40%	7.345	7.284	0.000	0.00	2.606	0.0	0.0	FLOOD RISK			
3.000	Dam 6	600 minute 100 year Winter I+40%	7.322	7.150	0.000	0.00	0.016	0.0	0.2	FLOOD RISK			
3.001	6	600 minute 100 year Winter I+40%	7.162	7.150	0.000	0.00	2.612	0.0	0.0	FLOOD RISK			
4.000	Dam 5	720 minute 100 year Winter I+40%	7.162	6.989	0.000	0.00	0.016	0.0	0.2	FLOOD RISK			
4.001	8	720 minute 100 year Winter I+40%	7.002	6.989	0.000	0.00	2.644	0.0	0.0	FLOOD RISK			
5.000	Dam 4	600 minute 100 year Winter I+40%	6.930	6.690	0.000	0.00	0.012	0.0	0.2	FLOOD RISK			
5.001	10	600 minute 100 year Winter I+40%	6.690	6.690	0.350	0.00	2.612	0.0	0.0	FLOOD (x)			
6.000	Dam 3	720 minute 100 year Winter I+40%	6.610	6.391	0.000	0.00	0.009	0.0	0.4	FLOOD RISK			
6.001	12	720 minute 100 year Winter I+40%	6.390	6.391	0.626	0.00	2.673	0.0	0.0	FLOOD (x)			
7.000	Dam 2	720 minute 100 year Winter I+40%	6.390	6.233	0.000	0.00	0.012	0.0	0.2	FLOOD RISK			
7.001	Dam 1	720 minute 100 year Winter I+40%	6.238	6.233	0.000	0.00	2.222	0.0	0.0	FLOOD RISK			
(x) - FLOODING BEHIND UPSTREAM SECTION OF A DAM WILL BE ROUTED OVERLAND INTO THE NEXT PERMEABLE PAVING SECTION DOWNSTREAM WITH NO FLOODING SHOWN IN THE LAST SECTION THUS NO FLOODING OFF-SITE, THEREFORE THE SCHEME WILL WORK SATISFACTORILY													
©1982-2020 Innovyze													