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<u>Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 1</u>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Areal Reduction Factor 1.000 Hot Start Level (mm) 0 Foul Sewage per hectare (l/s) 0.000 MADD Factor * 10m³/ha Storage 2.000 Flow per Person per Day (l/per/day) 0.000 Hot Start (mins) 0 Manhole Headloss Coeff (Global) 0.500 Additional Flow - % of Total Flow 0.000 Inlet Coeffiecient 0.800																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Profile(s) Summer and Winter Duration(s) (mins) 15, 30, 60, 120, 240, 360, 480, 960, 1440 Return Period(s) (years) 30 Climate Change (%) 40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
<table><tr><th colspan="2"></th><th colspan="2"></th><th colspan="2"></th><th colspan="2"></th><th colspan="2"></th><th colspan="2">Water</th><th colspan="2">Surcharged</th><th colspan="2">Flooded</th><th colspan="2">Half Drain</th><th colspan="2">Pipe</th><th colspan="2"></th></tr><tr><th>PN</th><th>US/MH</th><th>Storm</th><th>Return</th><th>Climate</th><th>First (X)</th><th>First (Y)</th><th>First (Z)</th><th>Overflow</th><th>Level</th><th>Depth</th><th>Volume</th><th>Flow /</th><th>Overflow</th><th>Time</th><th>Flow</th><th>Status</th><th>Level</th><th colspan="3"></th></tr><tr><th></th><th>Name</th><th></th><th>Period</th><th>Change</th><th>Surcharge</th><th>Flood</th><th>Overflow</th><th>Act.</th><th>(m)</th><th>(m)</th><th>(m³)</th><th>Cap.</th><th>(l/s)</th><th>(mins)</th><th>(l/s)</th><th></th><th>Exceeded</th><th colspan="2"></th><th></th></tr><tr><td>1.000</td><td>SWMH1.1</td><td>15 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.949</td><td>0.229</td><td>0.000</td><td>0.60</td><td></td><td>7</td><td>38.7</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>1.001</td><td>SWMH1.2</td><td>15 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.984</td><td>0.364</td><td>0.000</td><td>0.69</td><td></td><td></td><td>41.6</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>2.000</td><td>SWMH2.1</td><td>15 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>7.131</td><td>0.461</td><td>0.000</td><td>0.47</td><td></td><td></td><td>30.9</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>1.002</td><td>SWMH1.3</td><td>15 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>7.047</td><td>0.487</td><td>0.000</td><td>0.85</td><td></td><td></td><td>54.5</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>1.003</td><td>SWMH1.4</td><td>15 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>7.043</td><td>0.568</td><td>0.000</td><td>0.93</td><td></td><td></td><td>61.1</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>1.004</td><td>SWMH1.5</td><td>15 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.965</td><td>0.615</td><td>0.000</td><td>1.86</td><td></td><td></td><td>124.0</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>1.005</td><td>SWMH1.6</td><td>15 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.541</td><td>0.306</td><td>0.000</td><td>1.41</td><td></td><td></td><td>137.4</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>1.006</td><td>SWMH1.7</td><td>15 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.414</td><td>0.229</td><td>0.000</td><td>1.85</td><td></td><td></td><td>175.2</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>1.007</td><td>SWMH1.8</td><td>30 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.271</td><td>0.136</td><td>0.000</td><td>1.21</td><td></td><td></td><td>185.9</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>1.008</td><td>SWMH1.9</td><td>30 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.234</td><td>0.139</td><td>0.000</td><td>1.75</td><td></td><td></td><td>223.4</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>3.000</td><td>SWMH3.1</td><td>15 Summer</td><td>30</td><td>+40%</td><td></td><td></td><td></td><td></td><td>6.565</td><td>-0.110</td><td>0.000</td><td>0.46</td><td></td><td></td><td>46.7</td><td>OK</td><td></td><td colspan="2"></td><td></td></tr><tr><td>3.001</td><td>SWMH3.2</td><td>15 Summer</td><td>30</td><td>+40%</td><td></td><td></td><td></td><td></td><td>6.554</td><td>-0.096</td><td>0.000</td><td>0.47</td><td></td><td></td><td>63.1</td><td>OK</td><td></td><td colspan="2"></td><td></td></tr><tr><td>3.002</td><td>SWMH3.3</td><td>15 Summer</td><td>30</td><td>+40%</td><td></td><td></td><td></td><td></td><td>6.509</td><td>-0.001</td><td>0.000</td><td>0.62</td><td></td><td></td><td>84.3</td><td>OK</td><td></td><td colspan="2"></td><td></td></tr><tr><td>3.003</td><td>SWMH3.4</td><td>15 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.445</td><td>0.095</td><td>0.000</td><td>0.80</td><td></td><td></td><td>156.1</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>3.004</td><td>SWMH3.5</td><td>15 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.370</td><td>0.095</td><td>0.000</td><td>0.93</td><td></td><td></td><td>196.4</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>3.005</td><td>SWMH3.6</td><td>30 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.270</td><td>0.155</td><td>0.000</td><td>1.27</td><td></td><td></td><td>232.7</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>1.009</td><td>SWMH1.10</td><td>30 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.192</td><td>0.127</td><td>0.000</td><td>1.14</td><td></td><td></td><td>452.6</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>4.000</td><td>SWMH4.1</td><td>30 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.242</td><td>0.132</td><td>0.000</td><td>0.69</td><td></td><td></td><td>44.9</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>1.010</td><td>SWMH1.11</td><td>30 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.153</td><td>0.128</td><td>0.000</td><td>1.77</td><td></td><td></td><td>482.9</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>1.011</td><td>SWMH1.12</td><td>30 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.114</td><td>0.114</td><td>0.000</td><td>1.04</td><td></td><td></td><td>479.2</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>5.000</td><td>SWMH5.1</td><td>30 Summer</td><td>30</td><td>+40%</td><td>30/30 Summer</td><td></td><td></td><td></td><td>6.096</td><td>0.026</td><td>0.000</td><td>0.22</td><td></td><td></td><td>53.0</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>5.001</td><td>SWMH5.2</td><td>30 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.091</td><td>0.071</td><td>0.000</td><td>0.26</td><td></td><td></td><td>61.4</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>5.002</td><td>SWMH5.3</td><td>30 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.081</td><td>0.106</td><td>0.000</td><td>0.45</td><td></td><td></td><td>75.2</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>1.012</td><td>SWMH1.13</td><td>30 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.073</td><td>0.128</td><td>0.000</td><td>1.76</td><td></td><td></td><td>566.3</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>6.000</td><td>SWMH6.1</td><td>30 Summer</td><td>30</td><td>+40%</td><td></td><td></td><td></td><td></td><td>6.072</td><td>-0.048</td><td>0.000</td><td>0.43</td><td></td><td></td><td>24.8</td><td>OK</td><td></td><td colspan="2"></td><td></td></tr><tr><td>6.001</td><td>SWMH6.2</td><td>30 Summer</td><td>30</td><td>+40%</td><td></td><td></td><td></td><td></td><td>6.066</td><td>-0.009</td><td>0.000</td><td>0.22</td><td></td><td></td><td>23.1</td><td>OK</td><td></td><td colspan="2"></td><td></td></tr><tr><td>6.002</td><td>SWMH6.3</td><td>30 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.054</td><td>0.054</td><td>0.000</td><td>0.26</td><td></td><td></td><td>26.8</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr><tr><td>6.003</td><td>SWMH6.4</td><td>30 Summer</td><td>30</td><td>+40%</td><td>30/15 Summer</td><td></td><td></td><td></td><td>6.050</td><td>0.075</td><td>0.000</td><td>0.22</td><td></td><td></td><td>54.1</td><td>SURCHARGED</td><td></td><td colspan="2"></td><td></td></tr></table>																														Water		Surcharged		Flooded		Half Drain		Pipe				PN	US/MH	Storm	Return	Climate	First (X)	First (Y)	First (Z)	Overflow	Level	Depth	Volume	Flow /	Overflow	Time	Flow	Status	Level					Name		Period	Change	Surcharge	Flood	Overflow	Act.	(m)	(m)	(m³)	Cap.	(l/s)	(mins)	(l/s)		Exceeded				1.000	SWMH1.1	15 Summer	30	+40%	30/15 Summer				6.949	0.229	0.000	0.60		7	38.7	SURCHARGED					1.001	SWMH1.2	15 Summer	30	+40%	30/15 Summer				6.984	0.364	0.000	0.69			41.6	SURCHARGED					2.000	SWMH2.1	15 Summer	30	+40%	30/15 Summer				7.131	0.461	0.000	0.47			30.9	SURCHARGED					1.002	SWMH1.3	15 Summer	30	+40%	30/15 Summer				7.047	0.487	0.000	0.85			54.5	SURCHARGED					1.003	SWMH1.4	15 Summer	30	+40%	30/15 Summer				7.043	0.568	0.000	0.93			61.1	SURCHARGED					1.004	SWMH1.5	15 Summer	30	+40%	30/15 Summer				6.965	0.615	0.000	1.86			124.0	SURCHARGED					1.005	SWMH1.6	15 Summer	30	+40%	30/15 Summer				6.541	0.306	0.000	1.41			137.4	SURCHARGED					1.006	SWMH1.7	15 Summer	30	+40%	30/15 Summer				6.414	0.229	0.000	1.85			175.2	SURCHARGED					1.007	SWMH1.8	30 Summer	30	+40%	30/15 Summer				6.271	0.136	0.000	1.21			185.9	SURCHARGED					1.008	SWMH1.9	30 Summer	30	+40%	30/15 Summer				6.234	0.139	0.000	1.75			223.4	SURCHARGED					3.000	SWMH3.1	15 Summer	30	+40%					6.565	-0.110	0.000	0.46			46.7	OK					3.001	SWMH3.2	15 Summer	30	+40%					6.554	-0.096	0.000	0.47			63.1	OK					3.002	SWMH3.3	15 Summer	30	+40%					6.509	-0.001	0.000	0.62			84.3	OK					3.003	SWMH3.4	15 Summer	30	+40%	30/15 Summer				6.445	0.095	0.000	0.80			156.1	SURCHARGED					3.004	SWMH3.5	15 Summer	30	+40%	30/15 Summer				6.370	0.095	0.000	0.93			196.4	SURCHARGED					3.005	SWMH3.6	30 Summer	30	+40%	30/15 Summer				6.270	0.155	0.000	1.27			232.7	SURCHARGED					1.009	SWMH1.10	30 Summer	30	+40%	30/15 Summer				6.192	0.127	0.000	1.14			452.6	SURCHARGED					4.000	SWMH4.1	30 Summer	30	+40%	30/15 Summer				6.242	0.132	0.000	0.69			44.9	SURCHARGED					1.010	SWMH1.11	30 Summer	30	+40%	30/15 Summer				6.153	0.128	0.000	1.77			482.9	SURCHARGED					1.011	SWMH1.12	30 Summer	30	+40%	30/15 Summer				6.114	0.114	0.000	1.04			479.2	SURCHARGED					5.000	SWMH5.1	30 Summer	30	+40%	30/30 Summer				6.096	0.026	0.000	0.22			53.0	SURCHARGED					5.001	SWMH5.2	30 Summer	30	+40%	30/15 Summer				6.091	0.071	0.000	0.26			61.4	SURCHARGED					5.002	SWMH5.3	30 Summer	30	+40%	30/15 Summer				6.081	0.106	0.000	0.45			75.2	SURCHARGED					1.012	SWMH1.13	30 Summer	30	+40%	30/15 Summer				6.073	0.128	0.000	1.76			566.3	SURCHARGED					6.000	SWMH6.1	30 Summer	30	+40%					6.072	-0.048	0.000	0.43			24.8	OK					6.001	SWMH6.2	30 Summer	30	+40%					6.066	-0.009	0.000	0.22			23.1	OK					6.002	SWMH6.3	30 Summer	30	+40%	30/15 Summer				6.054	0.054	0.000	0.26			26.8	SURCHARGED					6.003	SWMH6.4	30 Summer	30	+40%	30/15 Summer				6.050	0.075	0.000	0.22			54.1	SURCHARGED				
										Water		Surcharged		Flooded		Half Drain		Pipe																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
PN	US/MH	Storm	Return	Climate	First (X)	First (Y)	First (Z)	Overflow	Level	Depth	Volume	Flow /	Overflow	Time	Flow	Status	Level																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	Name		Period	Change	Surcharge	Flood	Overflow	Act.	(m)	(m)	(m³)	Cap.	(l/s)	(mins)	(l/s)		Exceeded																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
1.000	SWMH1.1	15 Summer	30	+40%	30/15 Summer				6.949	0.229	0.000	0.60		7	38.7	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1.001	SWMH1.2	15 Summer	30	+40%	30/15 Summer				6.984	0.364	0.000	0.69			41.6	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
2.000	SWMH2.1	15 Summer	30	+40%	30/15 Summer				7.131	0.461	0.000	0.47			30.9	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1.002	SWMH1.3	15 Summer	30	+40%	30/15 Summer				7.047	0.487	0.000	0.85			54.5	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1.003	SWMH1.4	15 Summer	30	+40%	30/15 Summer				7.043	0.568	0.000	0.93			61.1	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1.004	SWMH1.5	15 Summer	30	+40%	30/15 Summer				6.965	0.615	0.000	1.86			124.0	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1.005	SWMH1.6	15 Summer	30	+40%	30/15 Summer				6.541	0.306	0.000	1.41			137.4	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1.006	SWMH1.7	15 Summer	30	+40%	30/15 Summer				6.414	0.229	0.000	1.85			175.2	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1.007	SWMH1.8	30 Summer	30	+40%	30/15 Summer				6.271	0.136	0.000	1.21			185.9	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1.008	SWMH1.9	30 Summer	30	+40%	30/15 Summer				6.234	0.139	0.000	1.75			223.4	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
3.000	SWMH3.1	15 Summer	30	+40%					6.565	-0.110	0.000	0.46			46.7	OK																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
3.001	SWMH3.2	15 Summer	30	+40%					6.554	-0.096	0.000	0.47			63.1	OK																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
3.002	SWMH3.3	15 Summer	30	+40%					6.509	-0.001	0.000	0.62			84.3	OK																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
3.003	SWMH3.4	15 Summer	30	+40%	30/15 Summer				6.445	0.095	0.000	0.80			156.1	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
3.004	SWMH3.5	15 Summer	30	+40%	30/15 Summer				6.370	0.095	0.000	0.93			196.4	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
3.005	SWMH3.6	30 Summer	30	+40%	30/15 Summer				6.270	0.155	0.000	1.27			232.7	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1.009	SWMH1.10	30 Summer	30	+40%	30/15 Summer				6.192	0.127	0.000	1.14			452.6	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
4.000	SWMH4.1	30 Summer	30	+40%	30/15 Summer				6.242	0.132	0.000	0.69			44.9	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1.010	SWMH1.11	30 Summer	30	+40%	30/15 Summer				6.153	0.128	0.000	1.77			482.9	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1.011	SWMH1.12	30 Summer	30	+40%	30/15 Summer				6.114	0.114	0.000	1.04			479.2	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
5.000	SWMH5.1	30 Summer	30	+40%	30/30 Summer				6.096	0.026	0.000	0.22			53.0	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
5.001	SWMH5.2	30 Summer	30	+40%	30/15 Summer				6.091	0.071	0.000	0.26			61.4	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
5.002	SWMH5.3	30 Summer	30	+40%	30/15 Summer				6.081	0.106	0.000	0.45			75.2	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1.012	SWMH1.13	30 Summer	30	+40%	30/15 Summer				6.073	0.128	0.000	1.76			566.3	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
6.000	SWMH6.1	30 Summer	30	+40%					6.072	-0.048	0.000	0.43			24.8	OK																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
6.001	SWMH6.2	30 Summer	30	+40%					6.066	-0.009	0.000	0.22			23.1	OK																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
6.002	SWMH6.3	30 Summer	30	+40%	30/15 Summer				6.054	0.054	0.000	0.26			26.8	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
6.003	SWMH6.4	30 Summer	30	+40%	30/15 Summer				6.050	0.075	0.000	0.22			54.1	SURCHARGED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Gloucester House 66a Church Walk Burgess Hill RH15 9AS									10768 - Sefter Road Simulation Network 1 Revision C								
Date 18/10/2022 File 10768_NETWORK 1_REVC - 18.10.22.MDX									Designed by DT Checked by MR								
Micro Drainage									Network 2020.1.3								
Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 1																	
PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
1.013	SWMH1.14	30 Summer	30	+40%	30/15 Summer				6.046	0.121	0.000	1.88			600.2	SURCHARGED	
1.014	SWMH1.15	30 Summer	30	+40%	30/15 Summer				6.000	0.105	0.000	1.32			608.3	SURCHARGED	
1.015	SWCP1.16	30 Summer	30	+40%	30/15 Summer				5.929	0.084	0.000	1.90			589.4	SURCHARGED	
1.016	Headwall 1	1440 Winter	30	+40%					5.890	0.000	0.000	0.10			39.8	OK*	
7.000	SWMH7.1	15 Summer	30	+40%					5.970	-0.240	0.000	0.32			59.7	OK	
7.001	SWMH7.2	15 Summer	30	+40%					5.955	-0.220	0.000	0.53			132.0	OK	
7.002	SWMH7.3	15 Summer	30	+40%					5.912	-0.208	0.000	0.59			153.2	OK	
7.003	SWMH7.4	480 Winter	30	+40%					5.892	-0.128	0.000	0.09			21.4	OK	
7.004	SWMH7.5	480 Winter	30	+40%					5.891	-0.084	0.000	0.09			22.1	OK	
7.005	SWCP7.6	480 Winter	30	+40%					5.890	-0.015	0.000	0.11			30.4	OK	
7.006	Headwall 2	480 Winter	30	+40%					5.889	-0.071	0.000	0.04			29.6	OK*	
1.017	Headwall 3	960 Summer	30	+40%					5.885	0.000	0.000	0.06			60.6	OK*	
1.018	SWMH1.17	960 Summer	30	+40%					5.875	0.000	0.000	0.18			60.1	OK	
1.019	Headwall 4	960 Winter	30	+40%					5.865	0.000	0.000	0.09			39.6	SURCHARGED*	
1.020	Headwall 5	960 Winter	30	+40%	30/960 Summer				5.870	0.025	0.000	0.02			23.8	SURCHARGED*	
1.021	SWMH1.18	960 Winter	30	+40%	30/960 Summer				5.870	0.040	0.000	0.05			23.5	SURCHARGED	
1.022	Headwall 6	1440 Summer	30	+40%					5.820	0.000	0.000	0.04			24.2	SURCHARGED*	
1.023	Headwall 7	960 Winter	30	+40%	30/360 Summer				5.869	0.099	0.000	0.01			9.4	SURCHARGED*	
1.024	SWMH1.19	960 Winter	30	+40%	30/360 Summer				5.886	0.126	0.000	0.02			7.6	SURCHARGED	
1.025	Headwall 8	1440 Winter	30	+40%					5.659	-0.081	0.000	0.01			7.3	OK*	
8.000	SWMH8.1	30 Summer	30	+40%	30/15 Summer				6.043	0.033	0.000	0.41			39.4	SURCHARGED	
8.001	SWMH8.2	15 Summer	30	+40%	30/15 Summer				6.024	0.039	0.000	0.66			89.9	SURCHARGED	
8.002	SWMH8.3	15 Summer	30	+40%	30/15 Summer				5.975	0.045	0.000	0.79			84.1	SURCHARGED	
8.003	SWMH8.4	30 Summer	30	+40%	30/15 Summer				5.957	0.062	0.000	0.84			91.7	SURCHARGED	
8.004	SWMH8.5	30 Summer	30	+40%	30/15 Summer				5.936	0.066	0.000	0.91			134.6	SURCHARGED	
8.005	SWMH8.6	30 Summer	30	+40%	30/15 Summer				5.841	0.111	0.000	0.54			154.4	SURCHARGED	
8.006	SWMH8.7	30 Summer	30	+40%	30/15 Summer				5.823	0.128	0.000	0.58			160.0	SURCHARGED	
9.000	SWMH9.1	15 Summer	30	+40%	30/15 Summer				5.912	0.112	0.000	0.49			42.9	SURCHARGED	
8.007	SWMH8.8	30 Summer	30	+40%	30/15 Summer				5.812	0.132	0.000	0.88			188.6	SURCHARGED	
8.008	SWMH8.9	30 Summer	30	+40%	30/15 Summer				5.795	0.135	0.000	0.90			195.3	SURCHARGED	
10.000	SWMH10.1	15 Summer	30	+40%	30/15 Summer				5.899	0.059	0.000	0.57			33.6	SURCHARGED	
10.001	SWMH10.2	30 Summer	30	+40%	30/30 Summer				5.810	0.020	0.000	0.37			88.2	SURCHARGED	
10.002	SWMH10.3	30 Summer	30	+40%	30/15 Summer				5.797	0.057	0.000	0.37			120.2	SURCHARGED	
8.009	SWMH8.10	30 Summer	30	+40%	30/15 Summer				5.777	0.137	0.000	0.80			300.6	SURCHARGED	
11.000	SWMH11.1	30 Summer	30	+40%	30/15 Summer				5.763	0.043	0.000	0.16			38.2	SURCHARGED	
11.001	SWMH11.2	30 Summer	30	+40%	30/15 Summer				5.757	0.087	0.000	0.49			138.7	SURCHARGED	
8.010	SWMH8.11	30 Summer	30	+40%	30/15 Summer				5.733	0.153	0.000	1.99			429.9	SURCHARGED	
12.000	SWMH12.1	30 Summer	30	+40%	30/15 Summer				5.867	0.117	0.000	0.97			54.6	SURCHARGED	
12.001	SWMH12.2	30 Summer	30	+40%	30/15 Summer				5.793	0.073	0.000	0.81			52.7	SURCHARGED	
12.002	SWMH12.3	30 Summer	30	+40%	30/15 Summer				5.705	0.070	0.000	0.25			84.3	SURCHARGED	
8.011	SWMH8.12	30 Summer	30	+40%	30/15 Summer				5.693	0.133	0.000	1.86			494.6	SURCHARGED	
8.012	SWMH8.13	1440 Summer	30	+40%	30/15 Summer				5.645	0.115	0.000	0.13			42.8	SURCHARGED	
8.013	SWMH8.14	1440 Winter	30	+40%	30/15 Summer				5.645	0.160	0.000	0.09			29.1	SURCHARGED	
13.000	SWMH13.1	1440 Winter	30	+40%	30/15 Summer				5.645	0.085	0.000	0.04			2.9	SURCHARGED	
8.014	SWCP8.15	1440 Winter	30	+40%	30/15 Summer				5.646	0.171	0.000	0.13			31.7	SURCHARGED	
8.015	Headwall 10	1440 Summer	30	+40%					5.610	0.000	0.000	0.07			48.5	SURCHARGED*	
14.000	SWMH14.1	1440 Winter	30	+40%	30/960 Summer				5.646	0.086	0.000	0.00			1.0	SURCHARGED	
14.001	SWMH14.2	1440 Winter	30	+40%	30/480 Summer				5.646	0.136	0.000	0.01			3.0	SURCHARGED	
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	Simulation Network 1 Revision C	
Date 18/10/2022	Designed by DT	
File 10768_NETWORK 1_REVC - 18.10.22.MDX	Checked by MR	
Micro Drainage		Network 2020.1.3

Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 1

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Half Drain	Pipe	Status	Level Exceeded
									Level (m)	Depth (m)	Volume (m³)			Time (mins)	Flow (l/s)		
15.000	SWMH15.1	15 Summer	30	+40%	30/15 Summer				5.648	0.068	0.000	0.85			51.8	SURCHARGED	
15.001	SWMH15.2	1440 Winter	30	+40%	30/15 Summer				5.646	0.126	0.000	0.05			3.3	SURCHARGED	
14.002	SWCP14.3	1440 Winter	30	+40%	30/360 Summer				5.646	0.186	0.000	0.04			6.6	SURCHARGED	
14.003	Headwall 9	1440 Winter	30	+40%					5.646	-0.094	0.000	0.01			6.5	OK*	
1.026	Headwall 11	1440 Winter	30	+40%	30/960 Summer				5.646	0.096	0.000	0.18			51.1	SURCHARGED	
1.027	SWMH1.20	1440 Winter	30	+40%	30/960 Summer				5.671	0.136	0.000	0.10			49.8	SURCHARGED	
1.028	SWMH1.21	1440 Winter	30	+40%	30/960 Summer				5.711	0.221	0.000	0.09			46.0	SURCHARGED	
1.029	SWMH1.22	1440 Winter	30	+40%	30/360 Summer				5.735	0.300	0.000	0.10			34.2	SURCHARGED	
1.030	SWMH1.23	1440 Winter	30	+40%	30/360 Summer				5.740	0.330	0.000	0.05			24.4	SURCHARGED	
16.000	SWMH16.1	15 Summer	30	+40%	30/15 Summer				6.004	0.349	0.000	0.47			17.9	SURCHARGED	
16.001	SWMH16.2	15 Summer	30	+40%	30/15 Summer				5.961	0.426	0.000	1.47		5	55.3	SURCHARGED	
16.002	SWMH16.3	1440 Winter	30	+40%	30/15 Summer				5.713	0.328	0.000	0.50			15.8	SURCHARGED	
16.003	SWCP16.4	1440 Winter	30	+40%	30/15 Summer				5.728	0.393	0.000	0.60			17.2	SURCHARGED	
1.031	SWMH1.24	1440 Winter	30	+40%	30/15 Summer				5.740	0.980	0.000	0.14			8.9	SURCHARGED	