

Stratus Environmental Ltd			Page 1																																																																																																																																																									
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Leeds LS15 8GB				
Date 15/08/2017 16:54	Designed By sfuller			
File Tarmac - Unlimite...	Checked By			
Micro Drainage	Source Control W.12.5			
<u>Summary of Results for 100 year Return Period (+20%)</u>				
Storm Event	Max Level (m)	Max Depth (m)	Max Volume (m³)	Status
10080 min Summer	17.041	2.041	15409.4	O K
15 min Winter	15.715	0.715	2557.0	O K
30 min Winter	15.836	0.836	3496.4	O K
60 min Winter	15.956	0.956	4569.0	O K
120 min Winter	16.076	1.076	5758.9	O K
180 min Winter	16.148	1.148	6484.8	O K
240 min Winter	16.199	1.199	6994.4	O K
360 min Winter	16.279	1.279	7792.2	O K
480 min Winter	16.340	1.340	8397.3	O K
600 min Winter	16.389	1.389	8890.1	O K
720 min Winter	16.431	1.431	9308.4	O K
960 min Winter	16.500	1.500	9997.8	O K
1440 min Winter	16.603	1.603	11032.3	O K
2160 min Winter	16.714	1.714	12142.3	O K
2880 min Winter	16.797	1.797	12976.7	O K
4320 min Winter	16.922	1.922	14220.2	O K
5760 min Winter	17.017	2.017	15174.6	O K
7200 min Winter	17.097	2.097	15971.6	O K
8640 min Winter	17.165	2.165	16655.2	O K
Storm Event	Rain (mm/hr)	Time-Peak (mins)		
10080 min Summer	1.036	10096		
15 min Winter	103.187	31		
30 min Winter	70.549	46		
60 min Winter	46.096	76		
120 min Winter	29.050	136		
180 min Winter	21.808	196		
240 min Winter	17.641	256		
360 min Winter	13.102	376		
480 min Winter	10.590	496		
600 min Winter	8.969	616		
720 min Winter	7.826	736		
960 min Winter	6.304	976		
1440 min Winter	4.638	1456		
2160 min Winter	3.403	2176		
2880 min Winter	2.727	2896		
4320 min Winter	1.993	4336		
5760 min Winter	1.595	5776		
7200 min Winter	1.343	7216		
8640 min Winter	1.167	8656		
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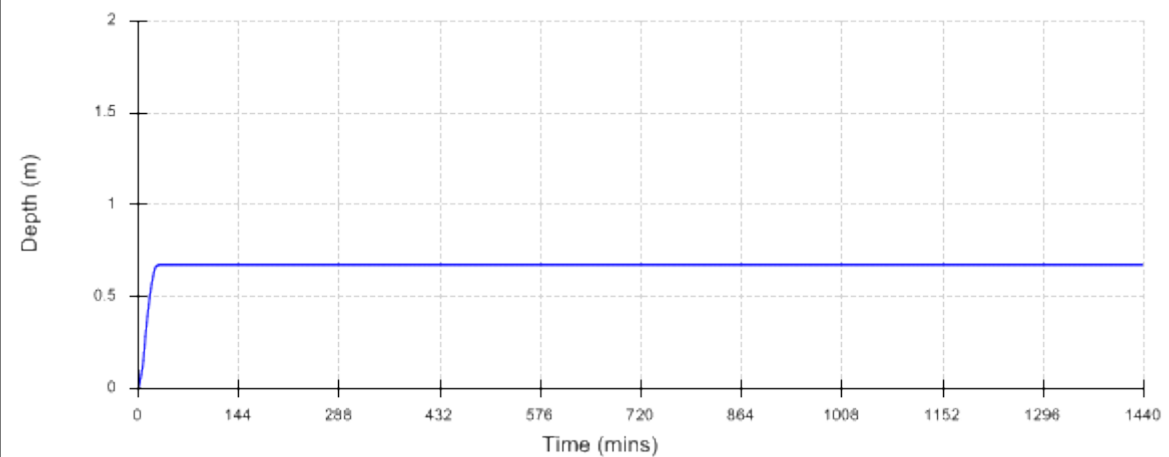
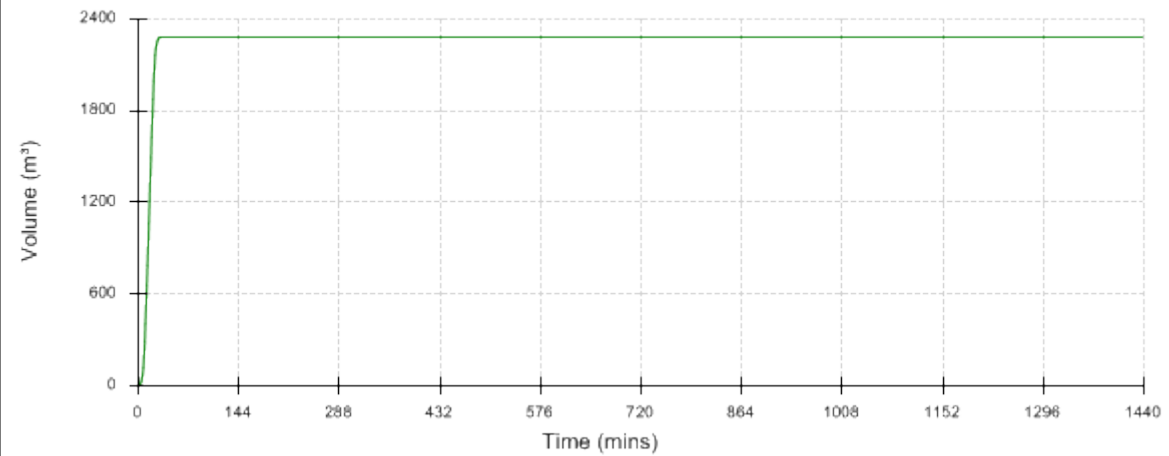
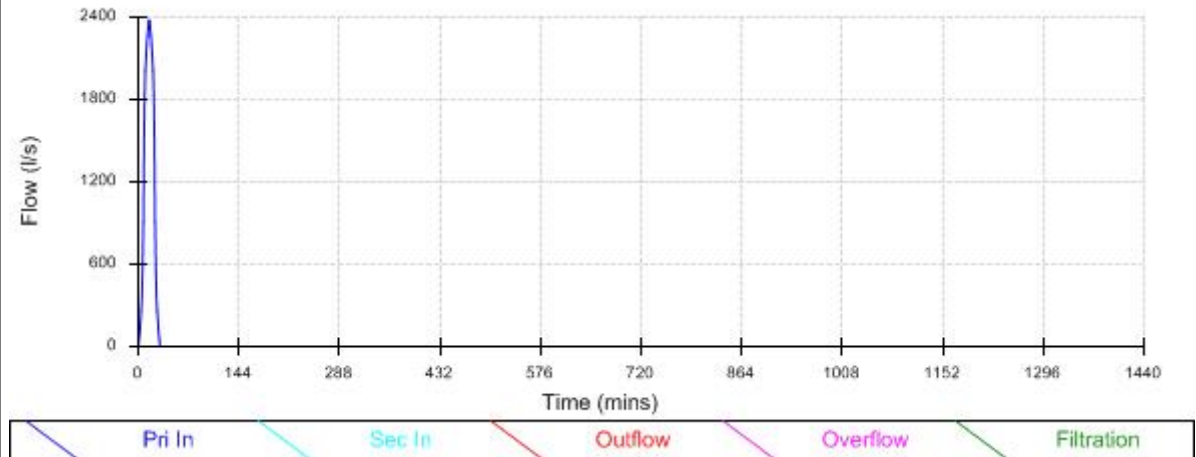
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Micro Drainage	Source Control W.12.5													
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Slope (1:X)	1000.000													
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Micro Drainage	Source Control W.12.5	

Event: 15 min Summer



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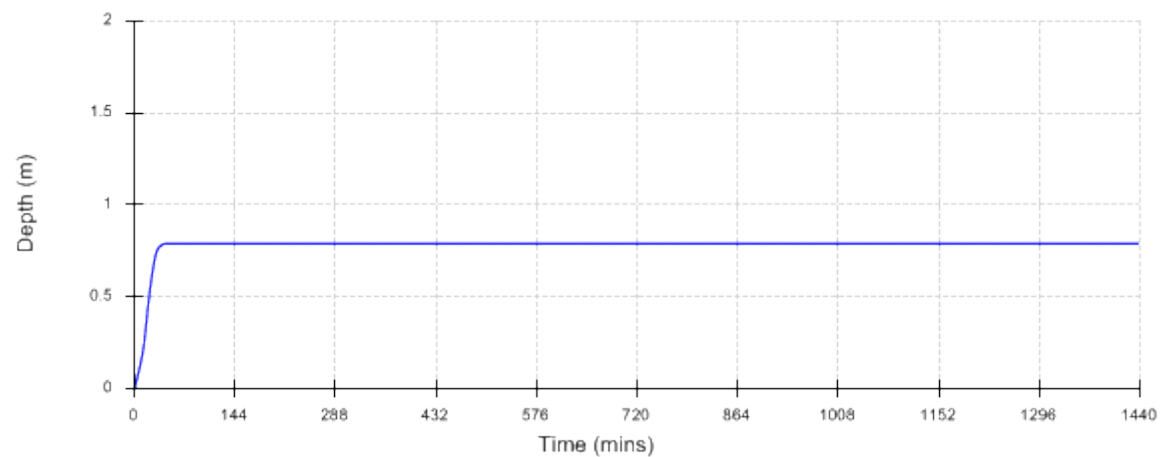
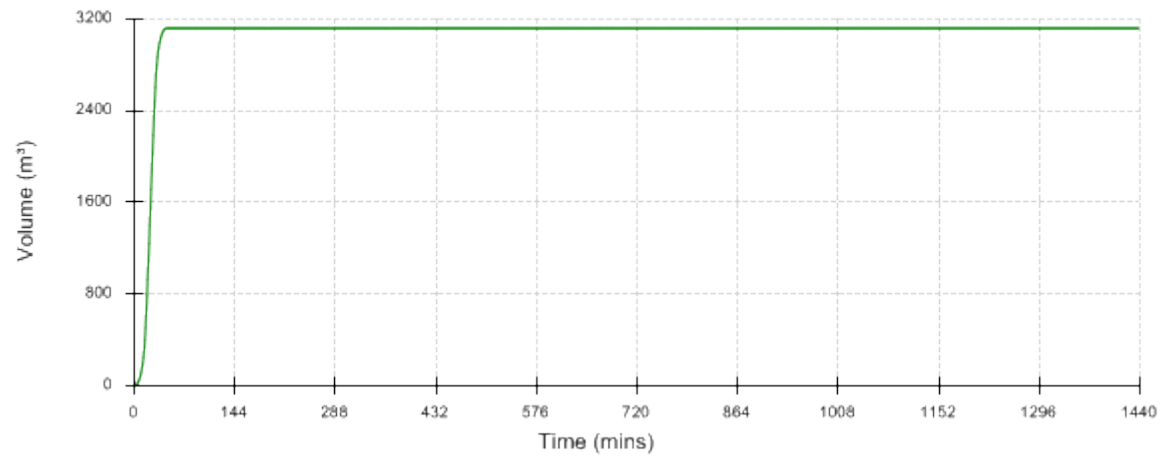
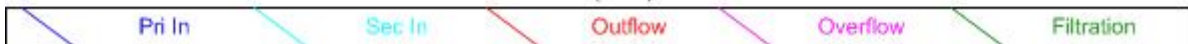
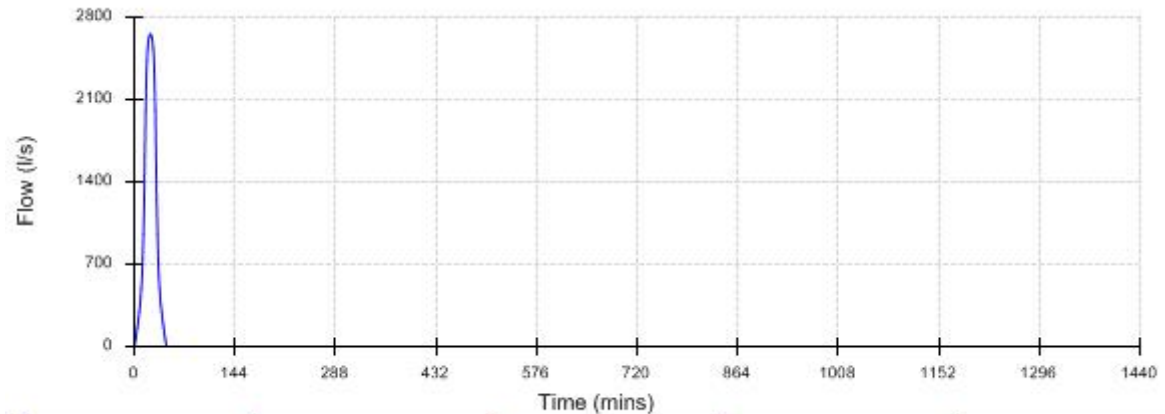
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Micro Drainage

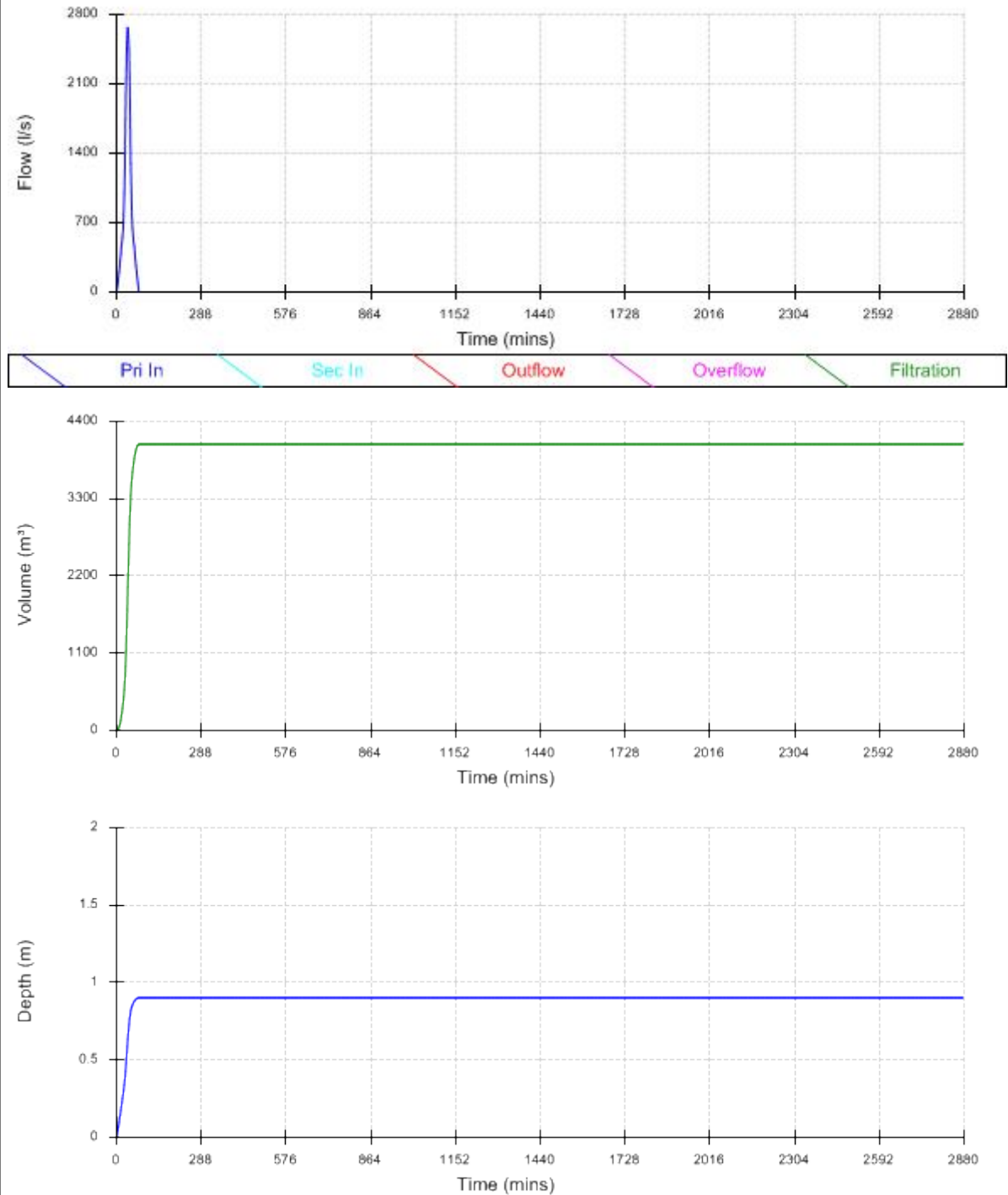
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Event: 30 min Summer



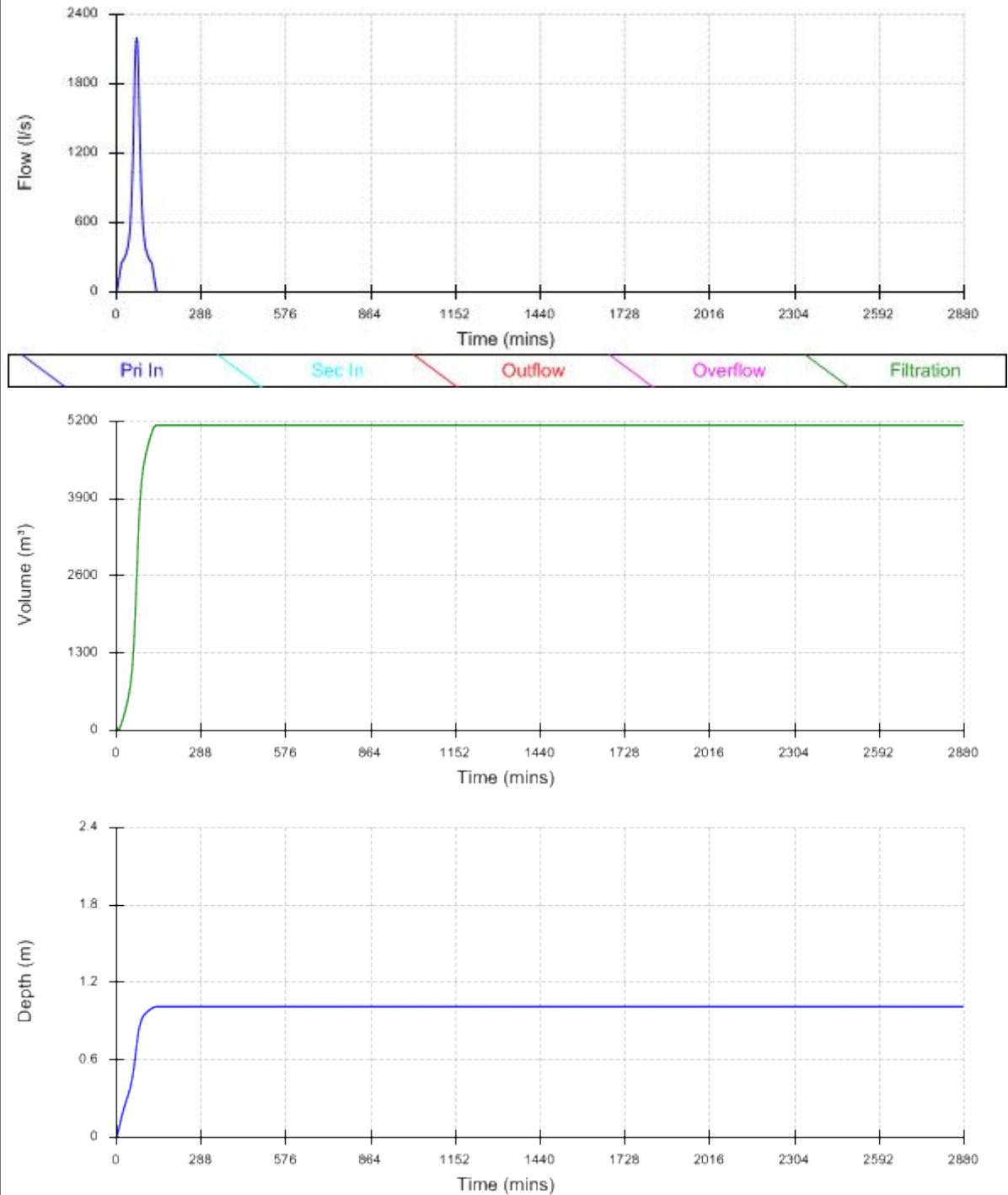
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Micro Drainage	Source Control W.12.5	

Event: 60 min Summer



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Micro Drainage	Source Control W.12.5	

Event: 120 min Summer



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Thorpe Park
Leeds LS15 8GB

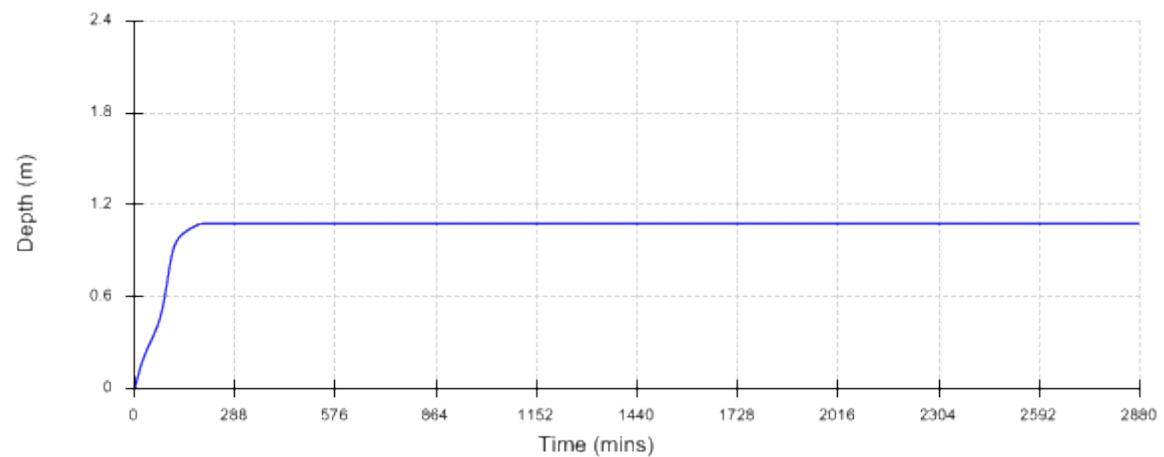
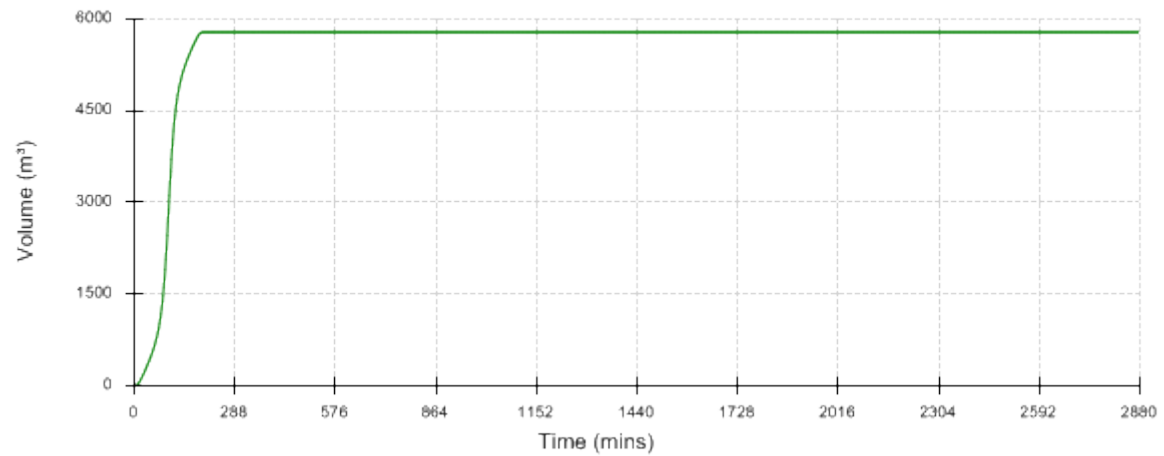
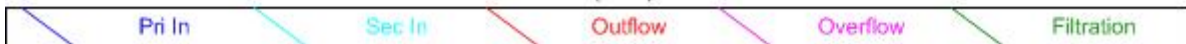
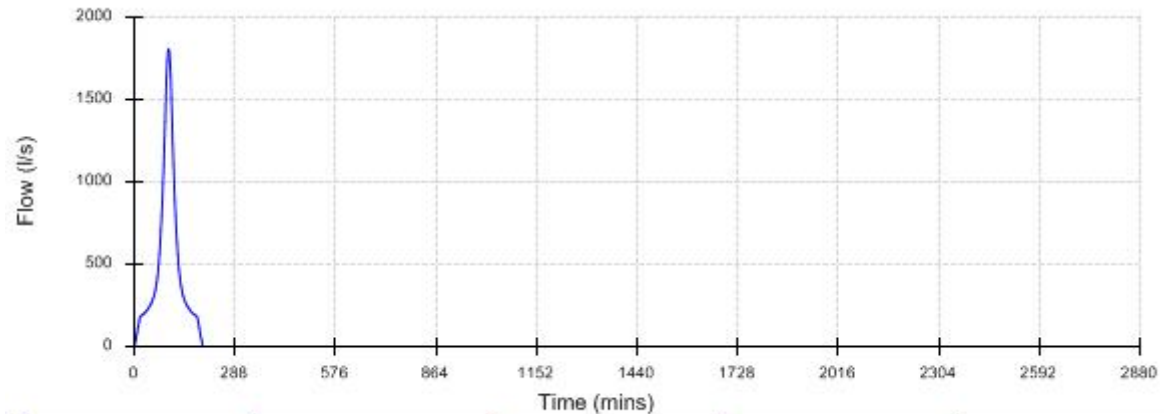
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Checked By



Micro Drainage

Source Control W.12.5

Event: 180 min Summer

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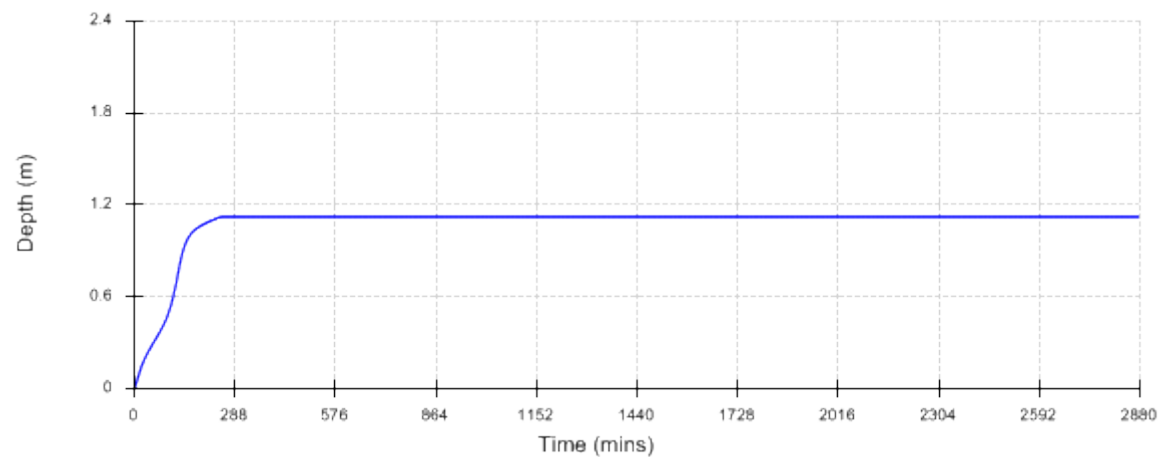
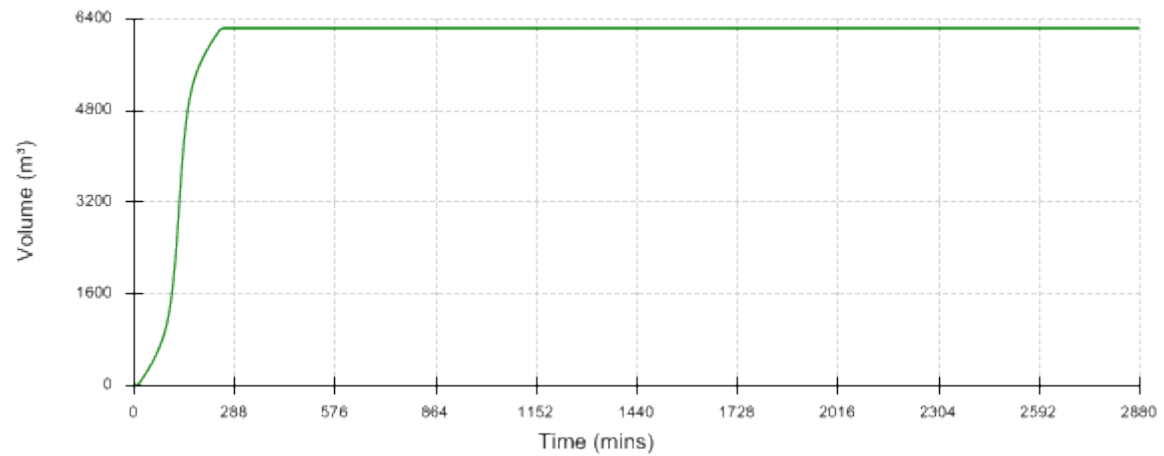
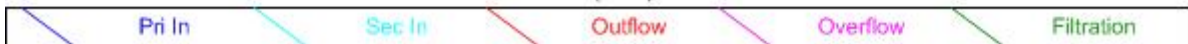
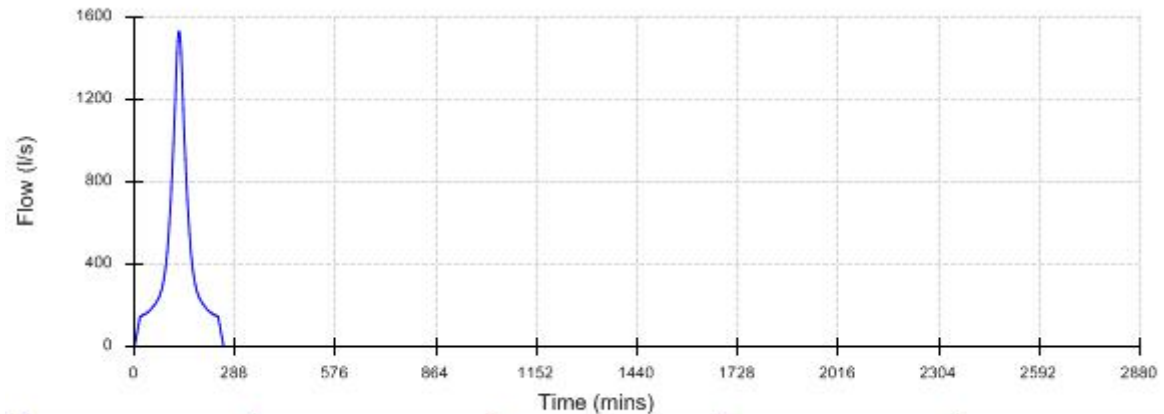
Designed By sfuller
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Micro Drainage

Source Control W.12.5

Event: 240 min Summer



4245 Park Approach
Thorpe Park
Leeds LS15 8GB

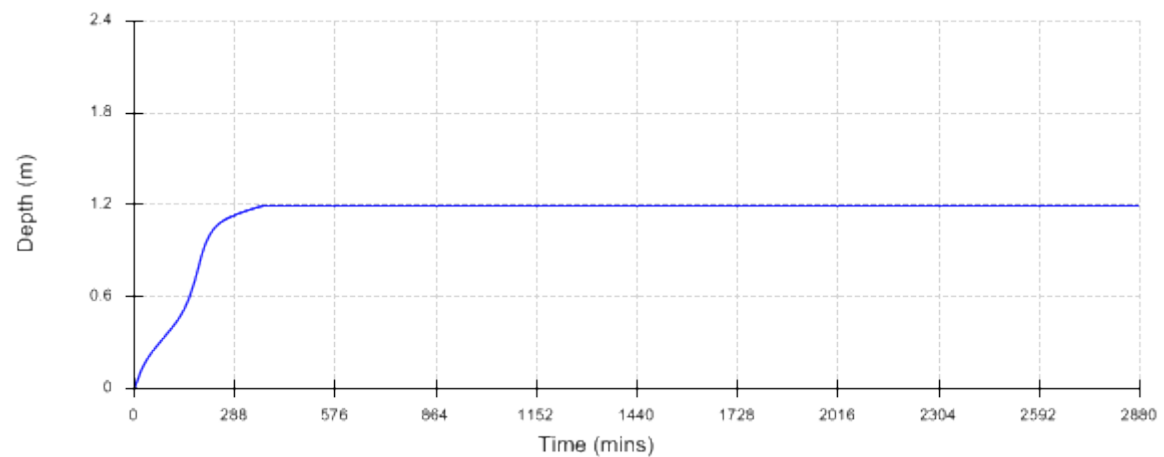
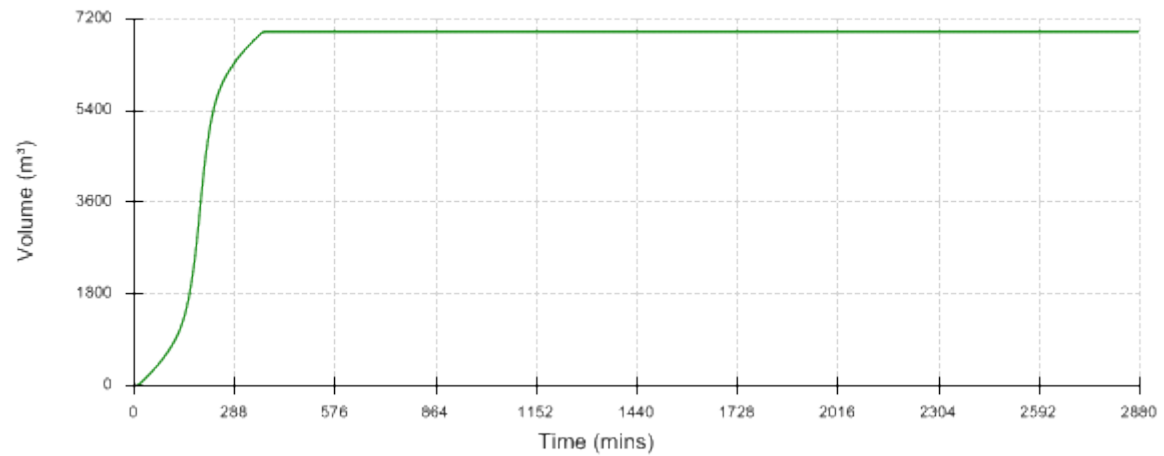
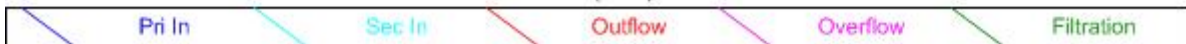
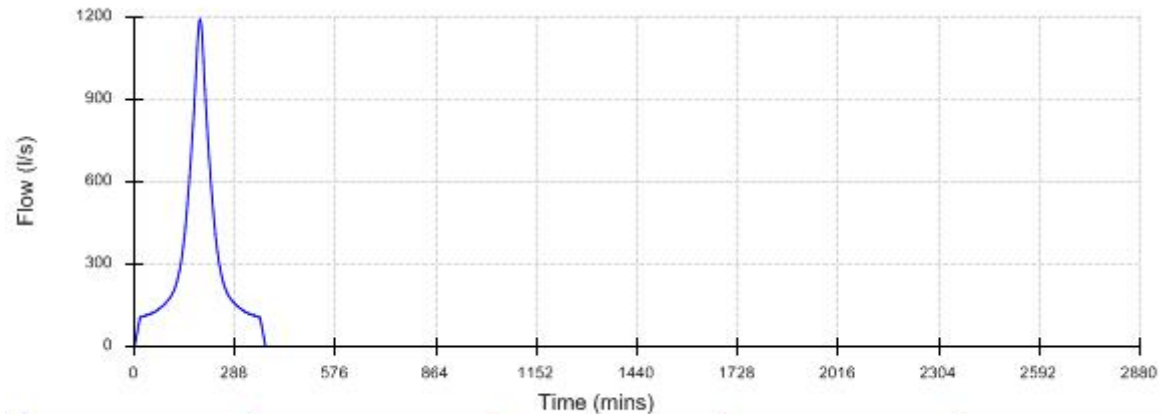
Date 15/08/2017 16:54
File Tarmac - Unlimite...

Designed By sfuller
Checked By



Micro Drainage

Source Control W.12.5

Event: 360 min Summer

4245 Park Approach
Thorpe Park
Leeds LS15 8GB

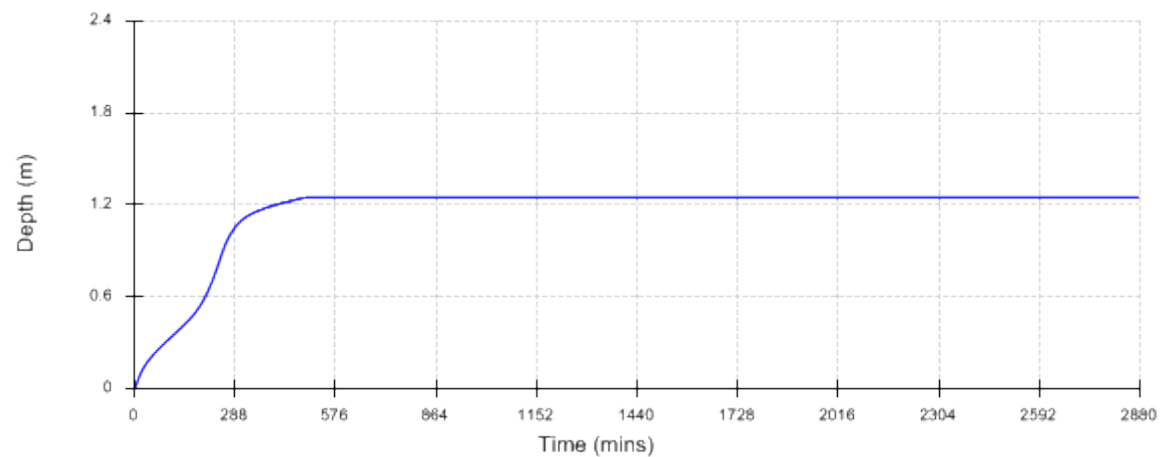
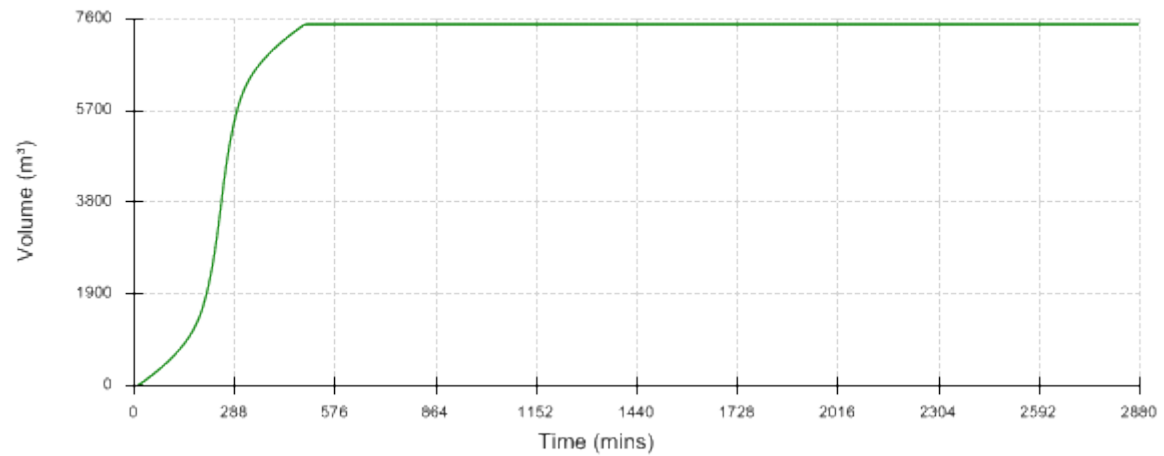
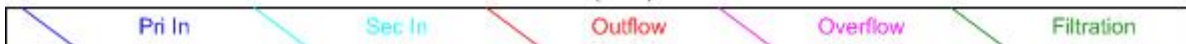
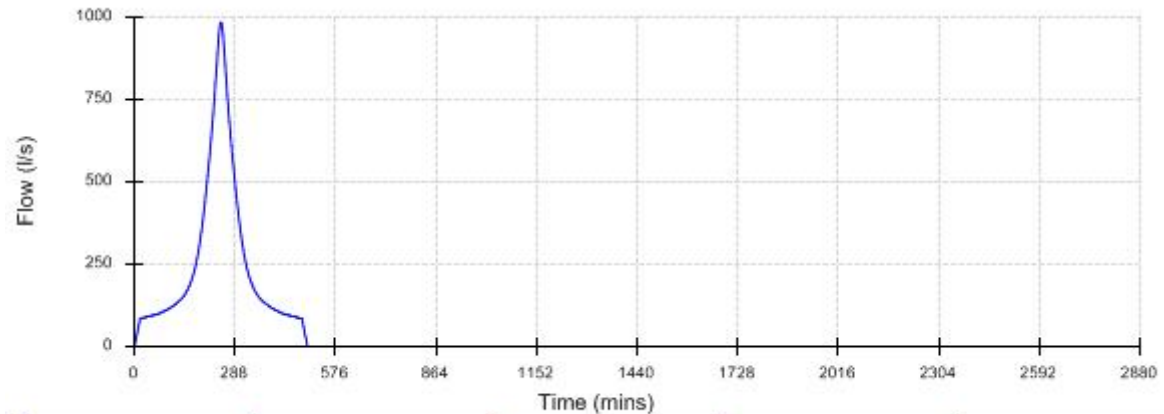
Date 15/08/2017 16:54
File Tarmac - Unlimite...

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Micro Drainage

Source Control W.12.5

Event: 480 min Summer

4245 Park Approach
Thorpe Park
Leeds LS15 8GB

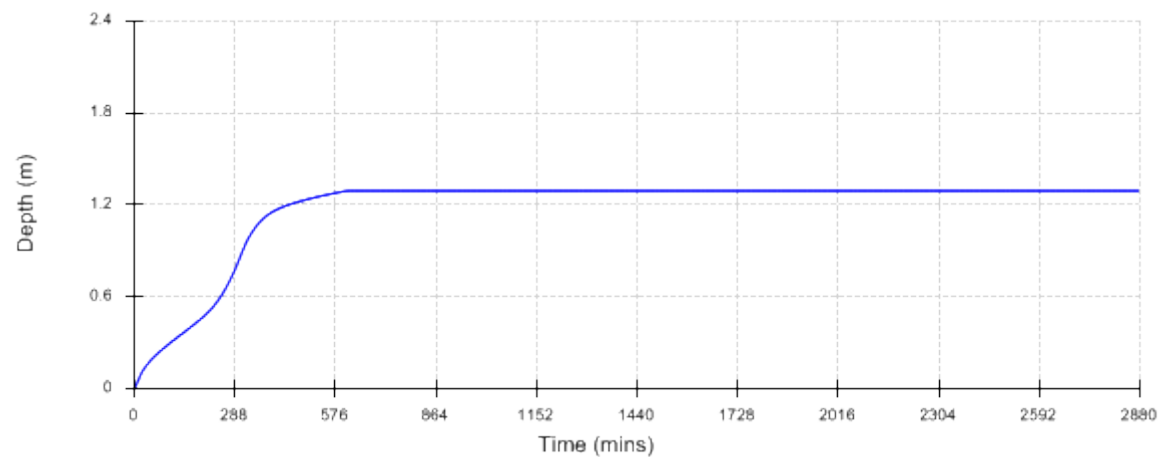
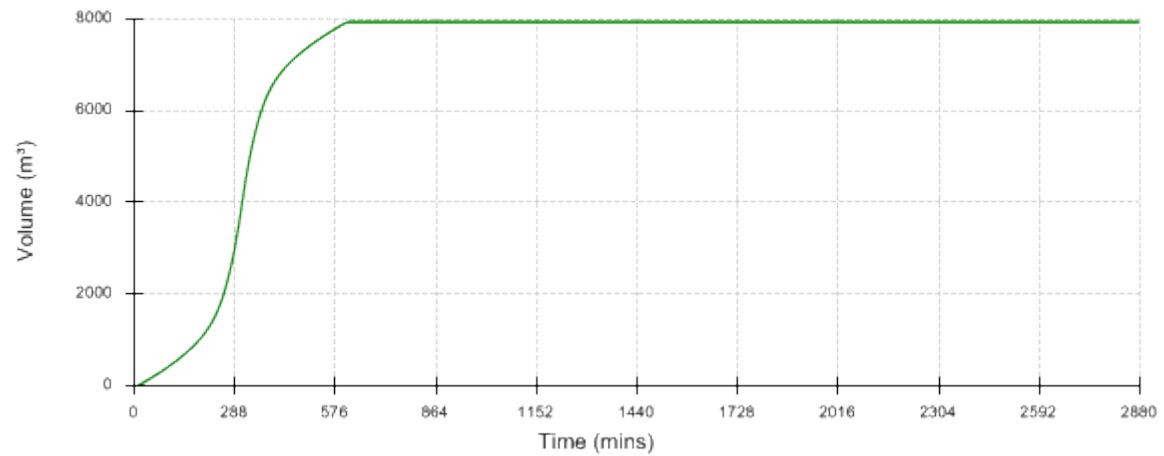
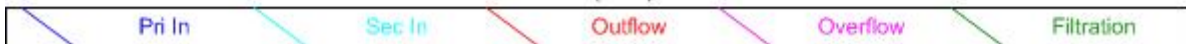
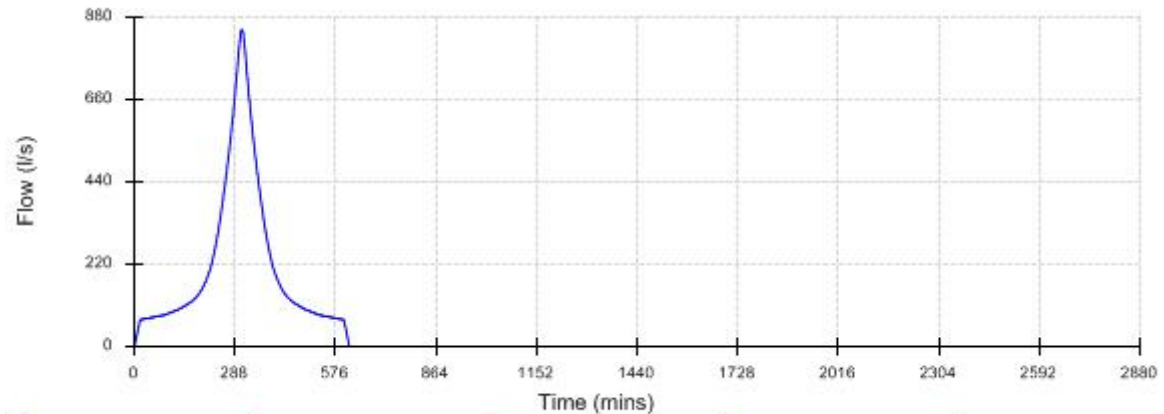
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File Tarmac - Unlimite...

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Micro Drainage

Source Control W.12.5

Event: 600 min Summer

4245 Park Approach
Thorpe Park
Leeds LS15 8GB

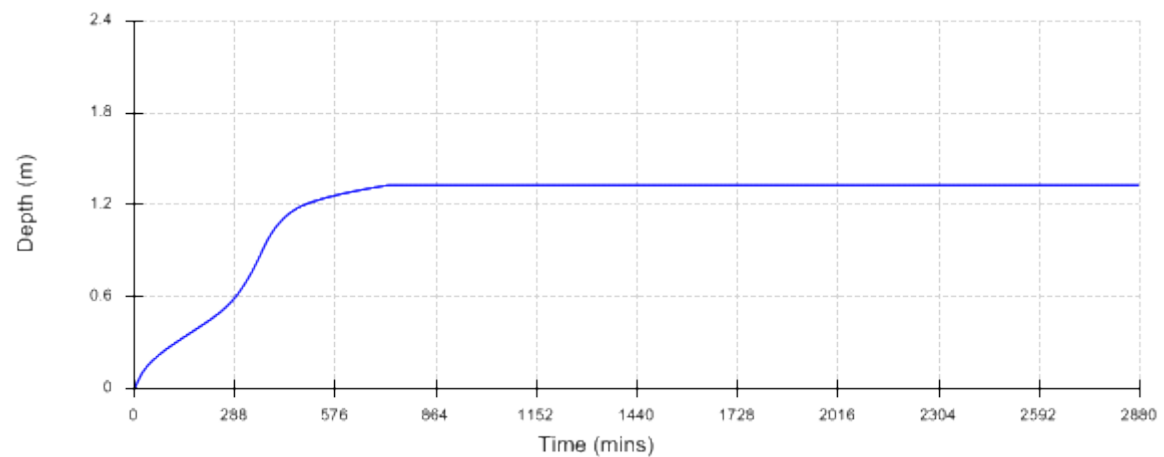
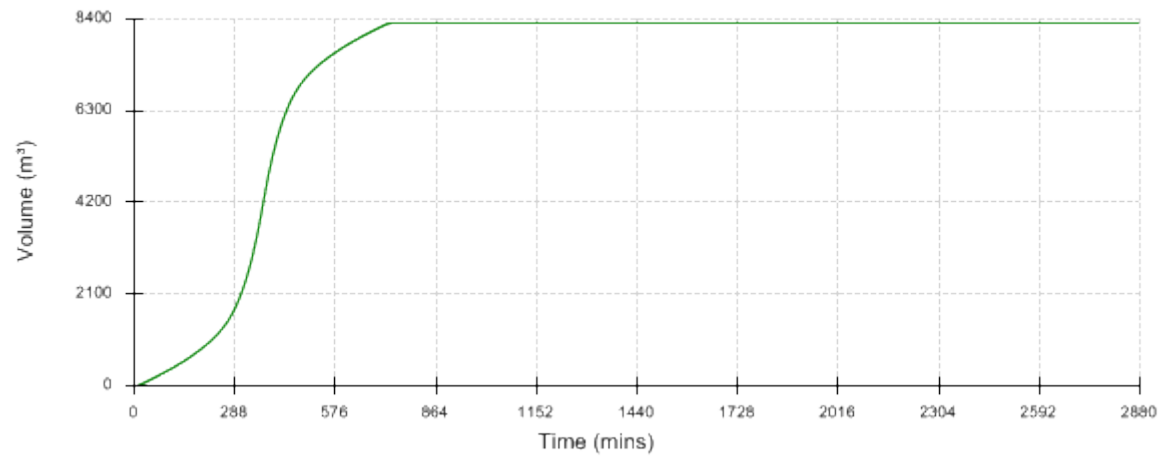
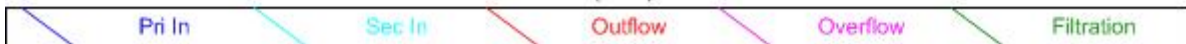
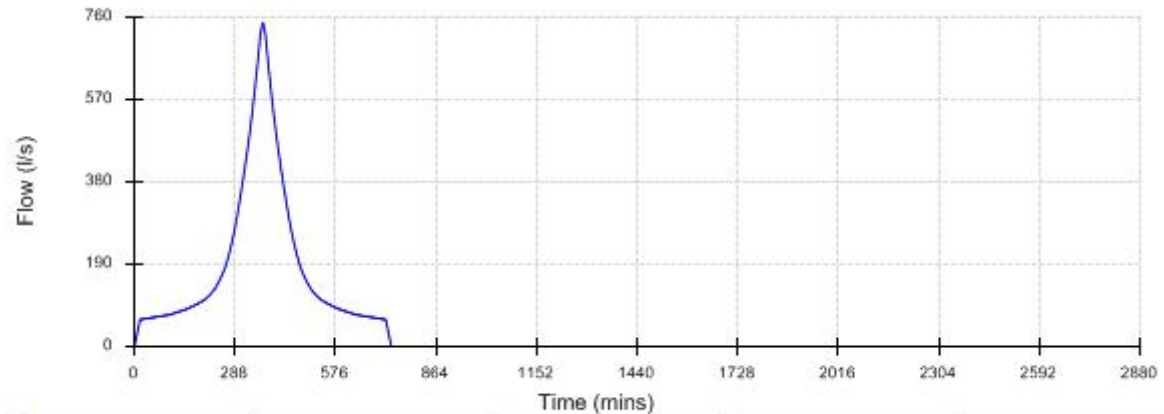
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File Tarmac - Unlimite...

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Micro Drainage

Source Control W.12.5

Event: 720 min Summer

4245 Park Approach
Thorpe Park
Leeds LS15 8GB

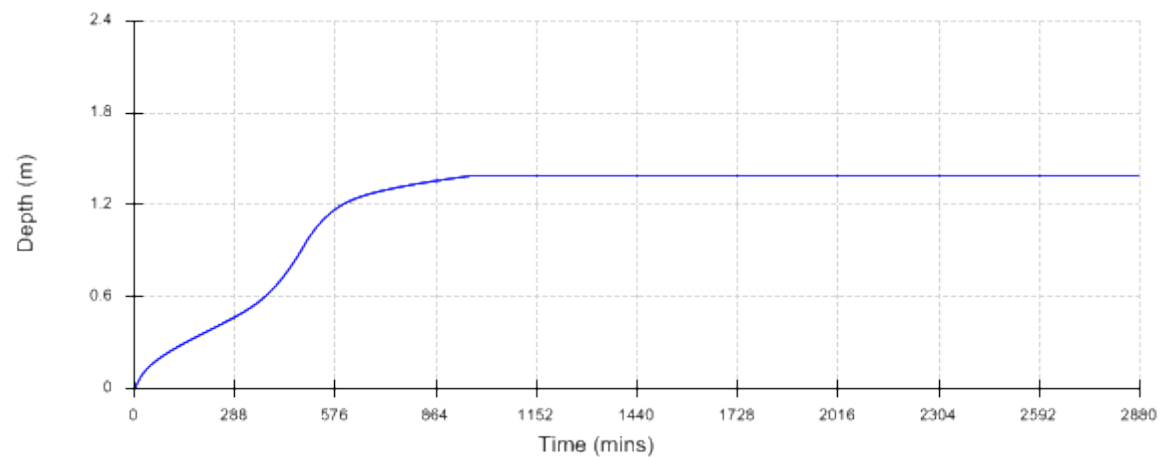
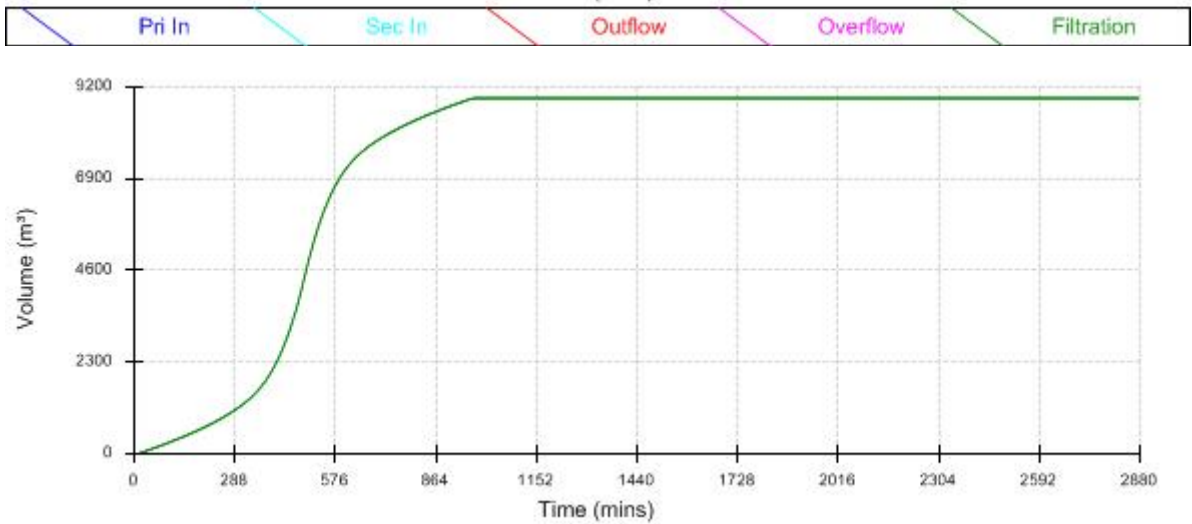
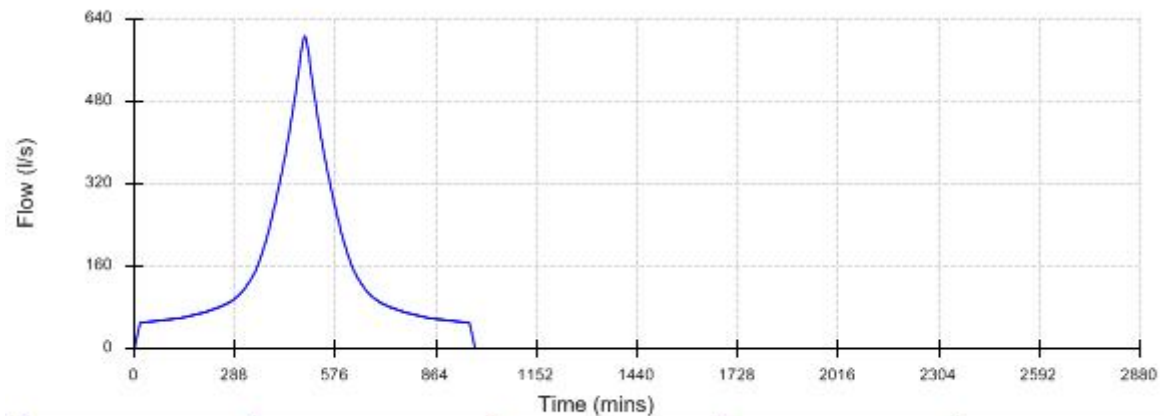
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File Tarmac - Unlimite...

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Micro Drainage

Source Control W.12.5

Event: 960 min Summer

4245 Park Approach
Thorpe Park
Leeds LS15 8GB

Date 15/08/2017 16:54
File Tarmac - Unlimite...

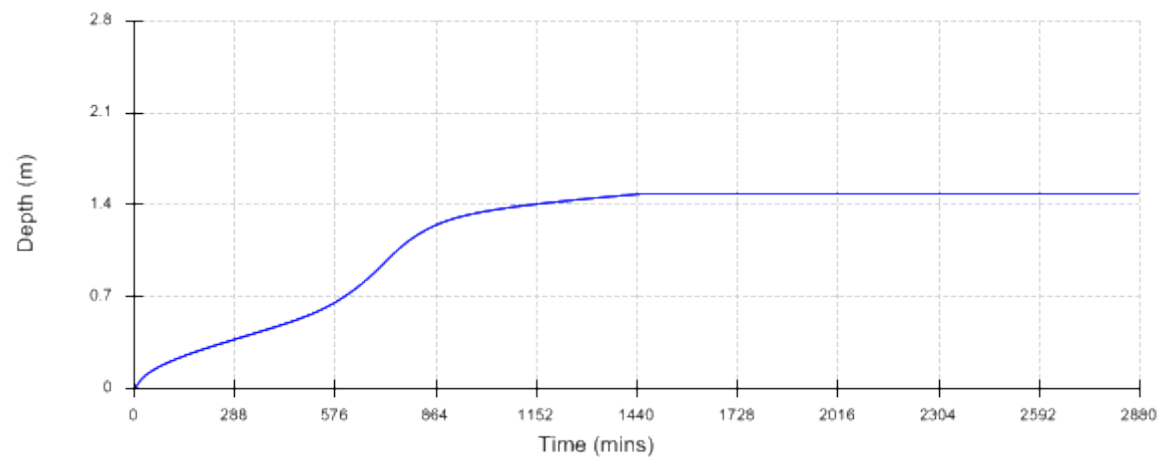
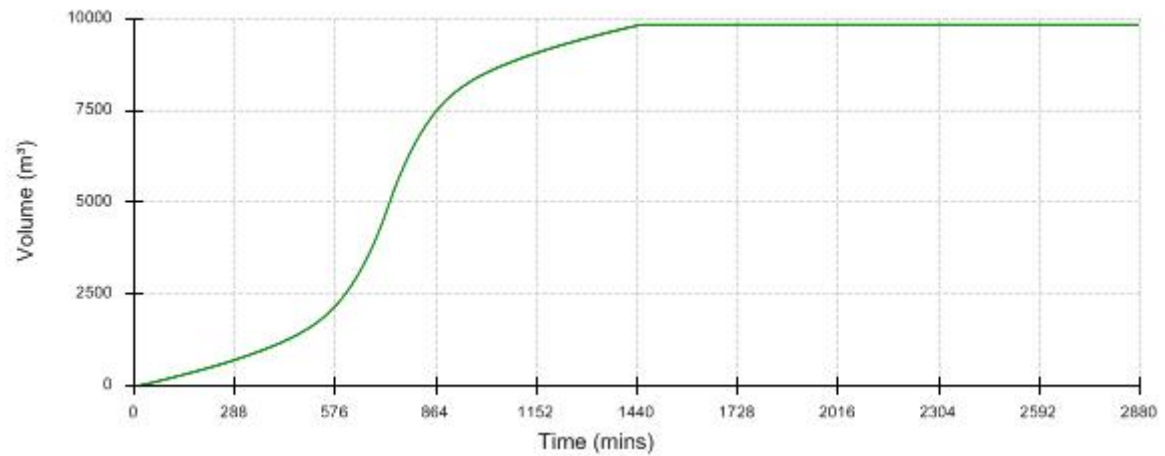
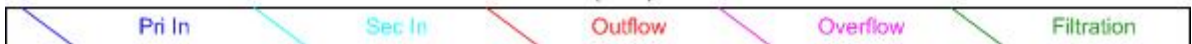
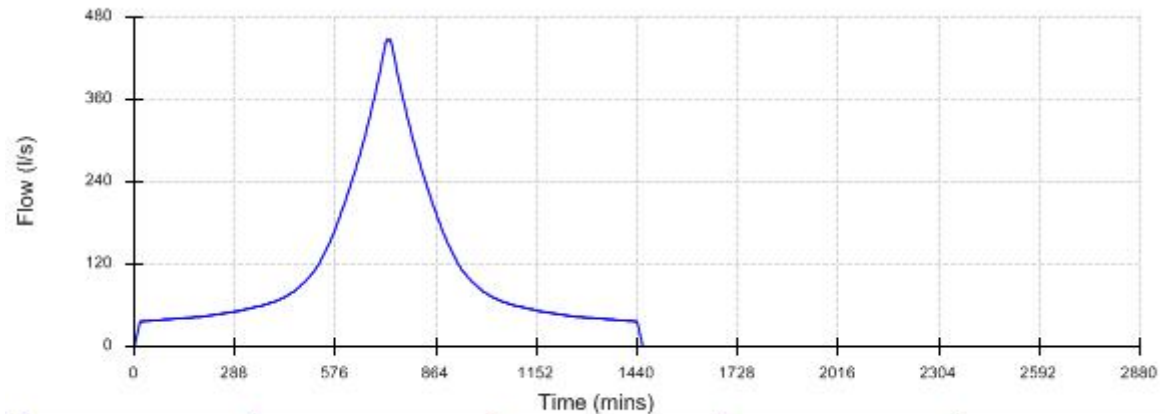
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Checked By



Micro Drainage

Source Control W.12.5

Event: 1440 min Summer



4245 Park Approach
Thorpe Park
Leeds LS15 8GB

Date 15/08/2017 16:54
File Tarmac - Unlimite...

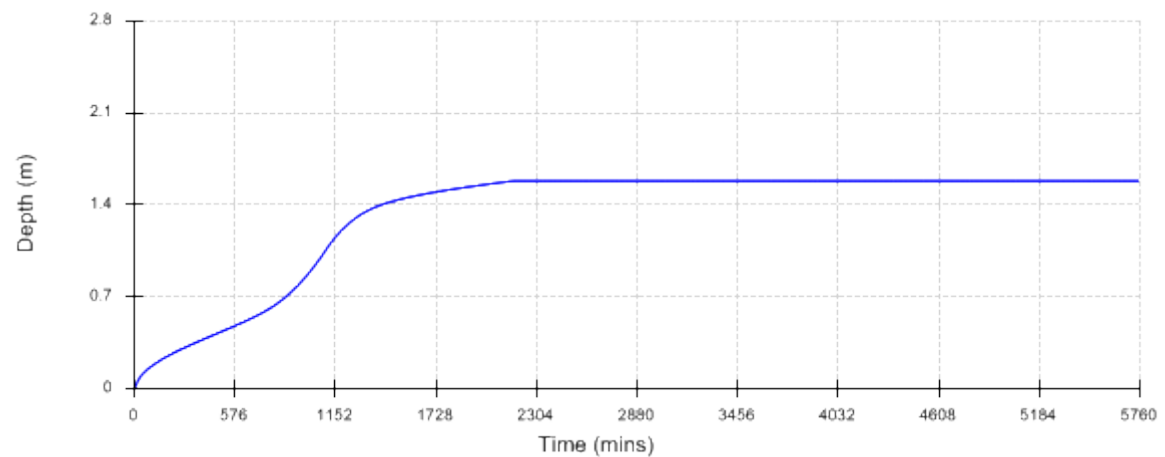
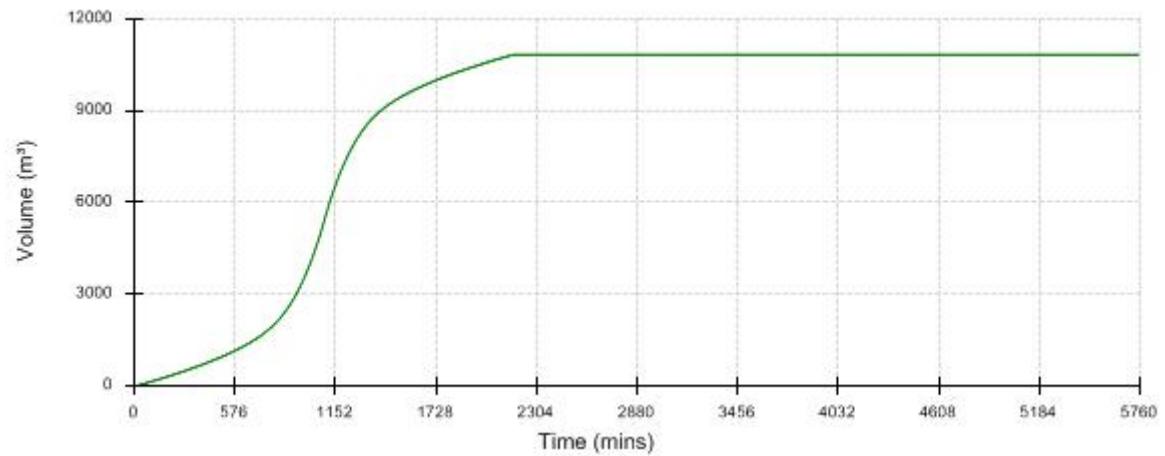
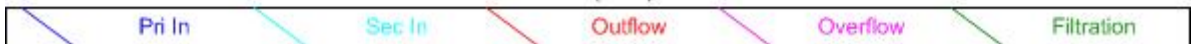
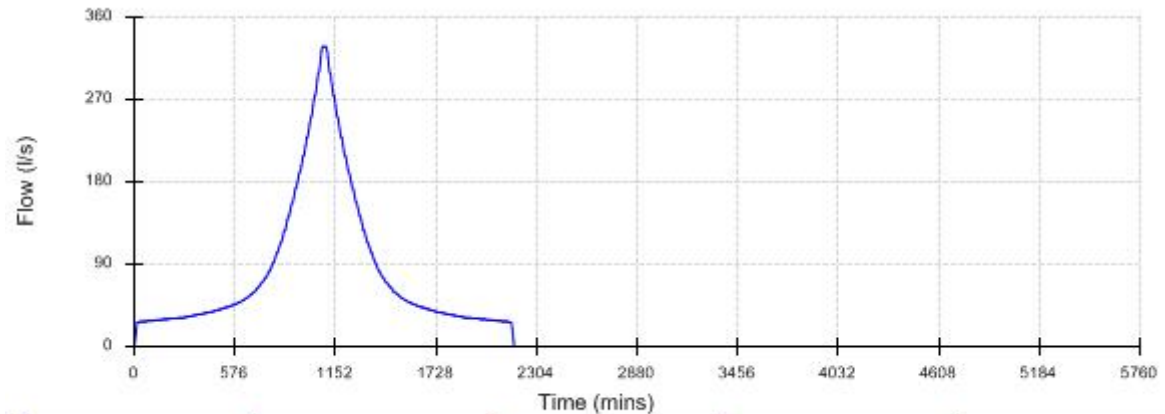
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Micro Drainage

Source Control W.12.5

Event: 2160 min Summer



4245 Park Approach
Thorpe Park
Leeds LS15 8GB

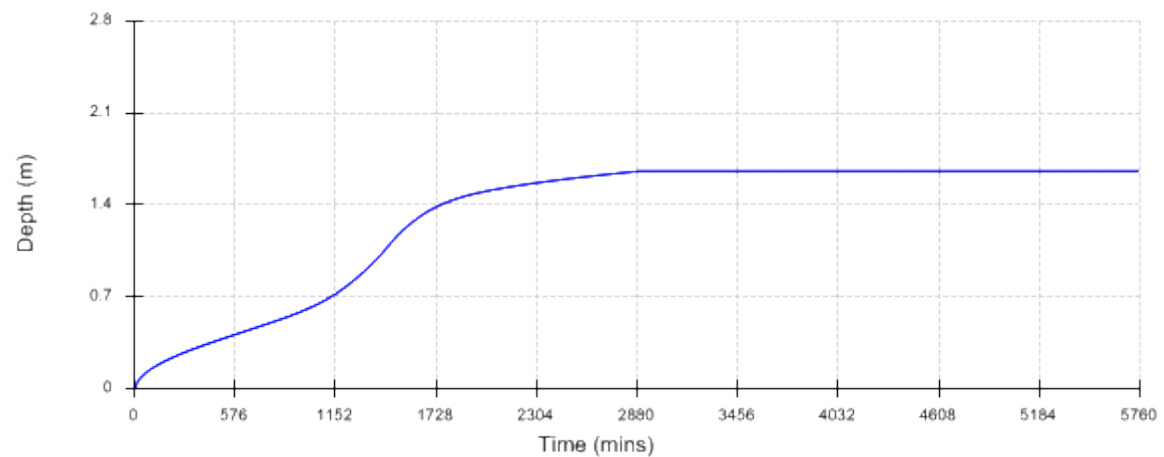
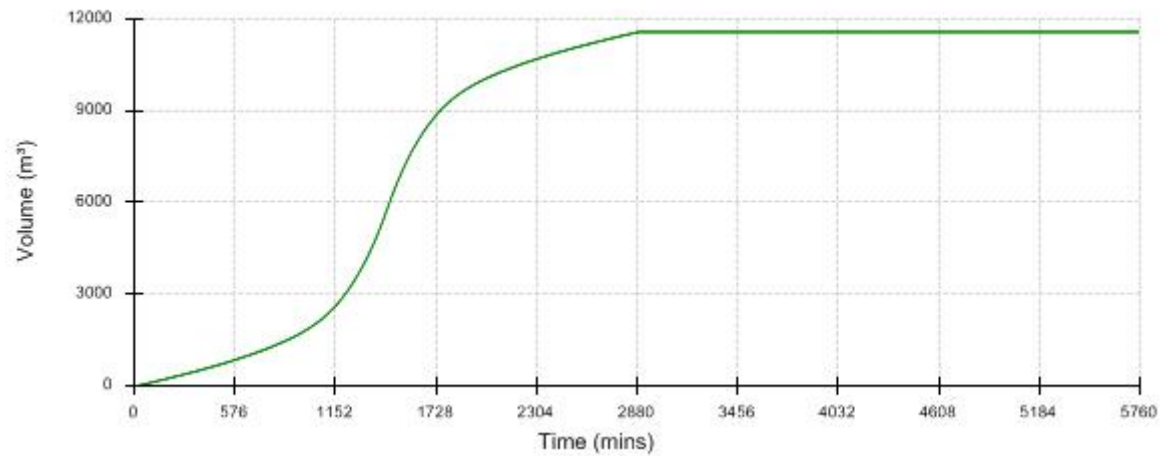
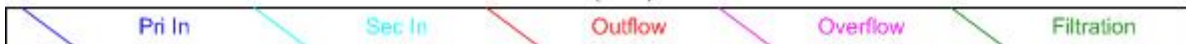
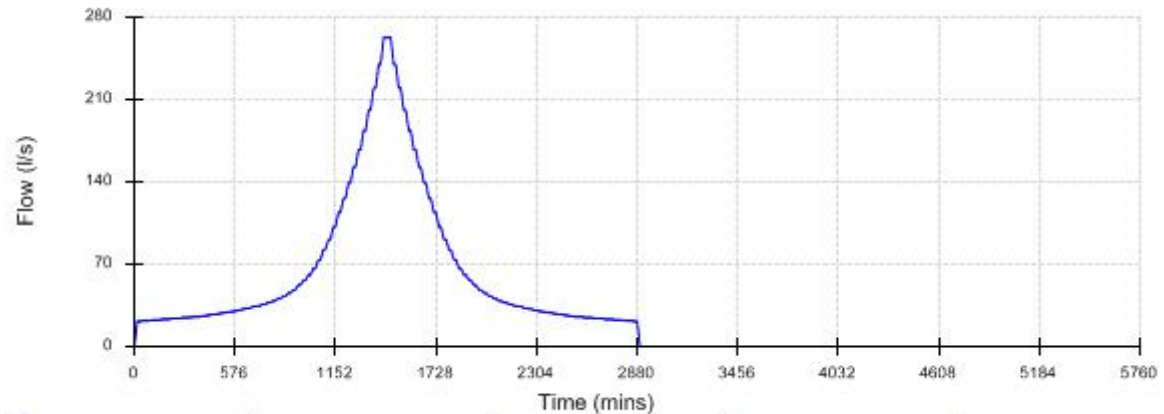
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File Tarmac - Unlimite...

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Checked By



Micro Drainage

Source Control W.12.5

Event: 2880 min Summer

4245 Park Approach
Thorpe Park
Leeds LS15 8GB

Date 15/08/2017 16:54
File Tarmac - Unlimite...

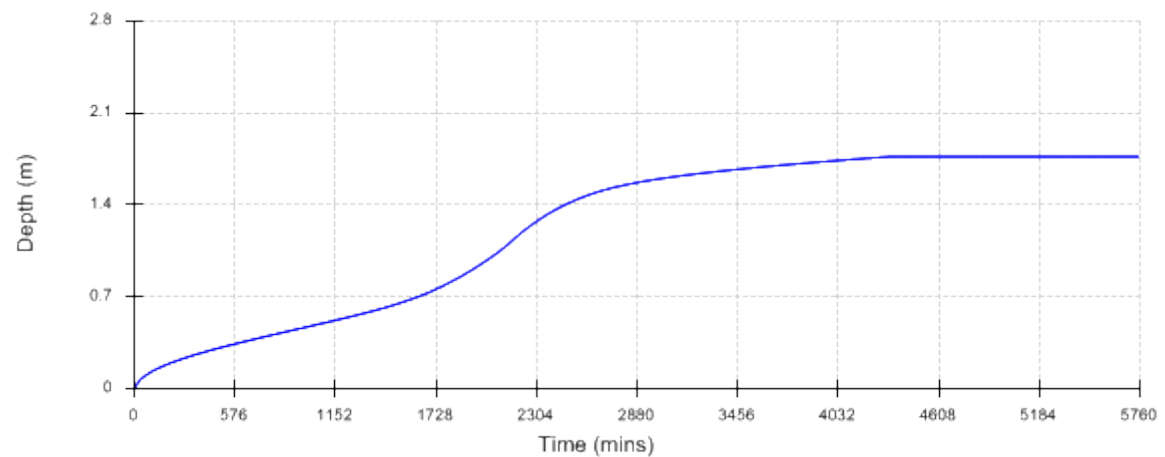
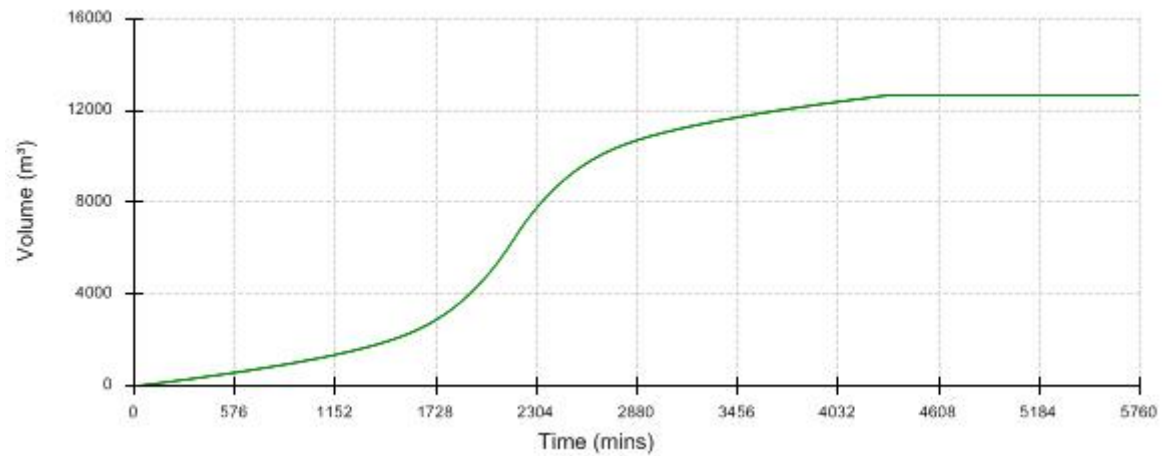
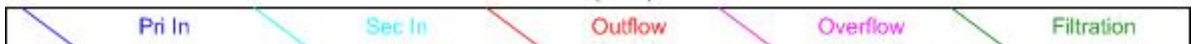
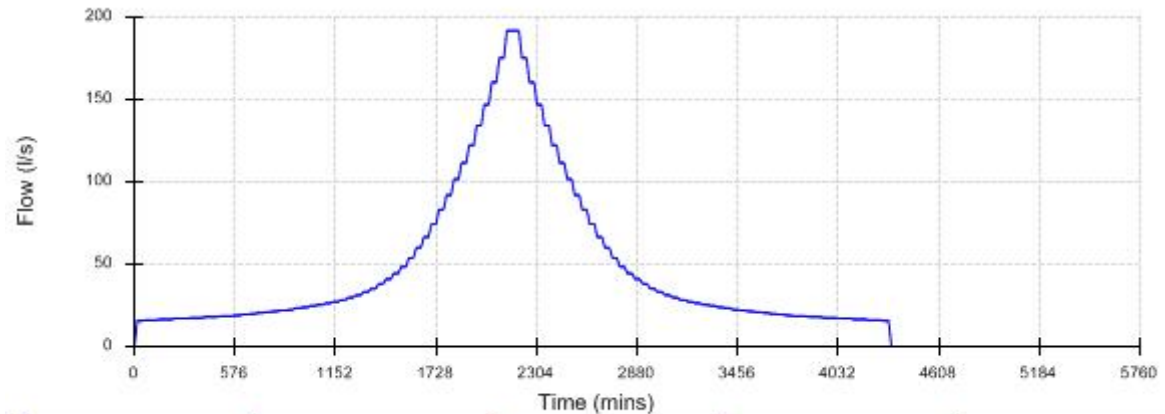
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Micro Drainage

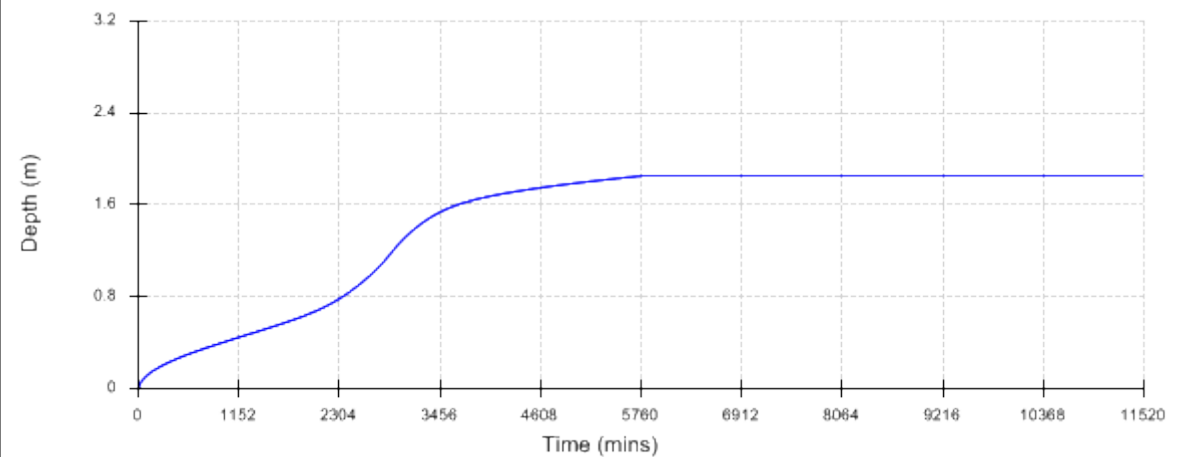
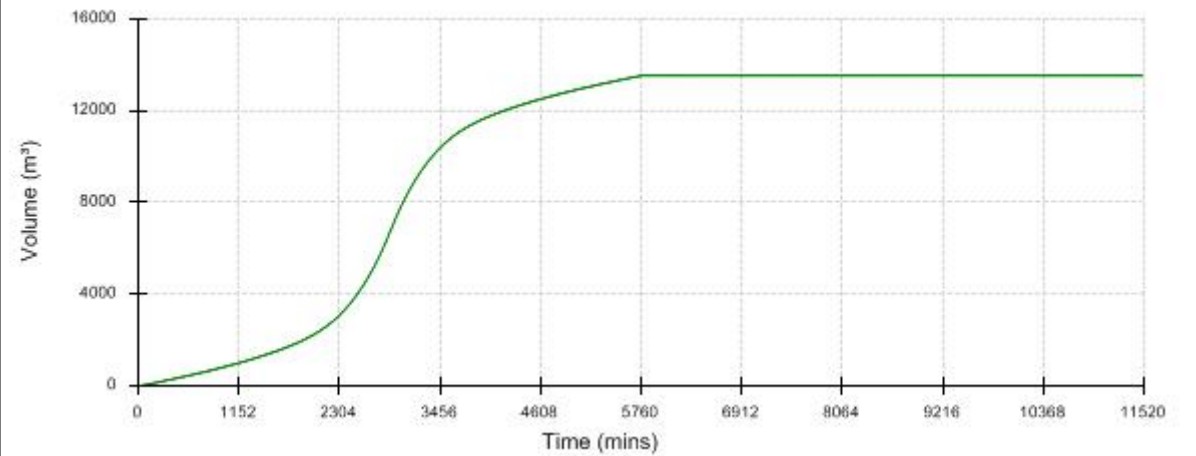
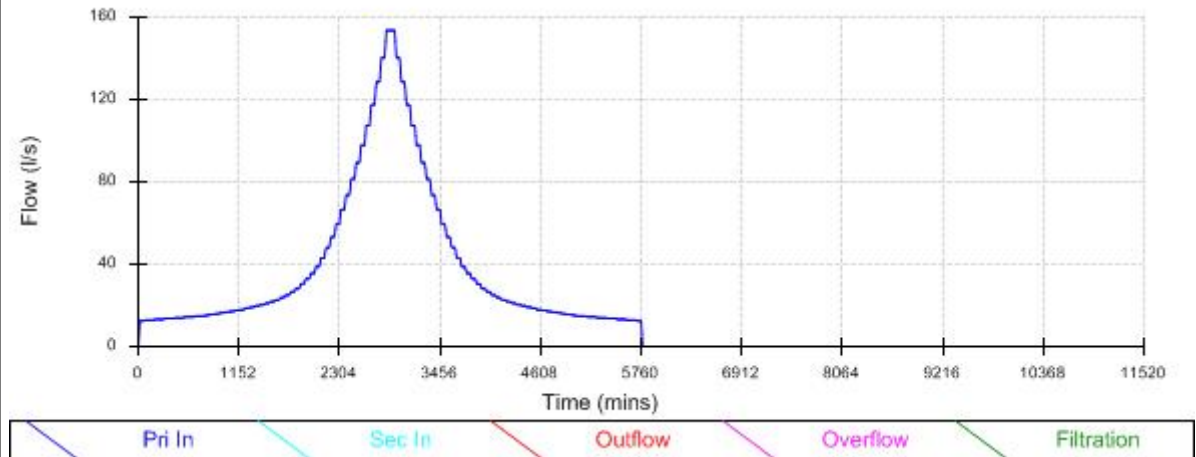
Source Control W.12.5

Event: 4320 min Summer



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4245 Park Approach Thorpe Park Leeds LS15 8GB		
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Micro Drainage	Source Control W.12.5	

Event: 5760 min Summer



4245 Park Approach
Thorpe Park
Leeds LS15 8GB

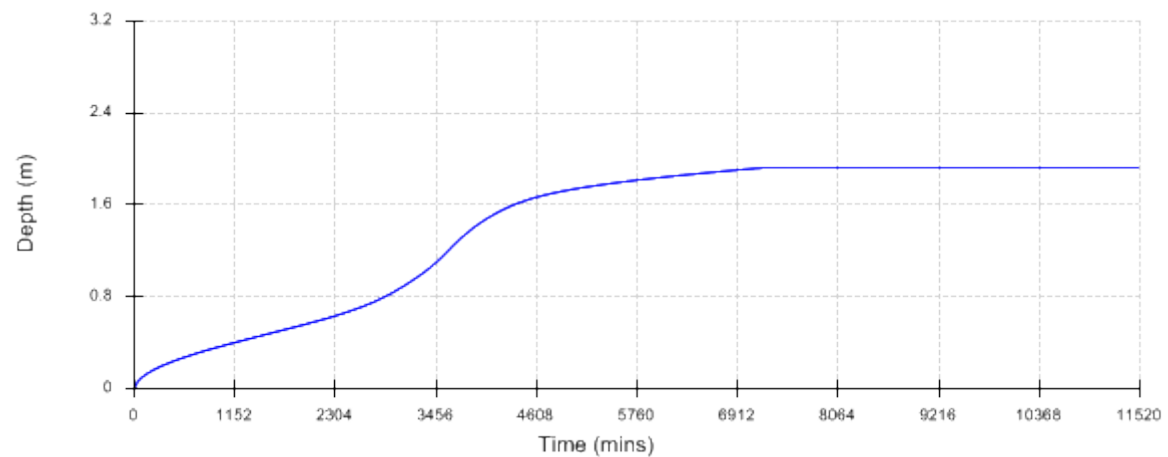
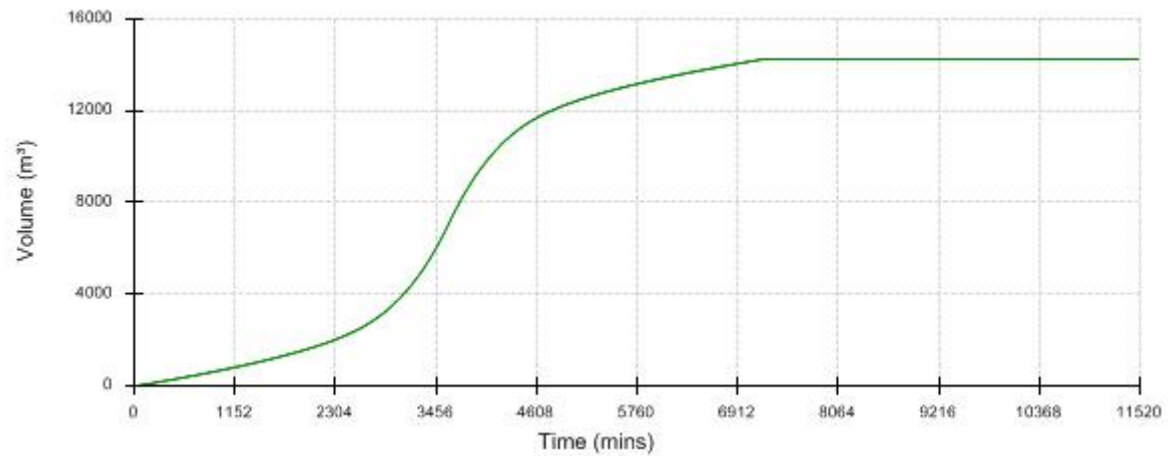
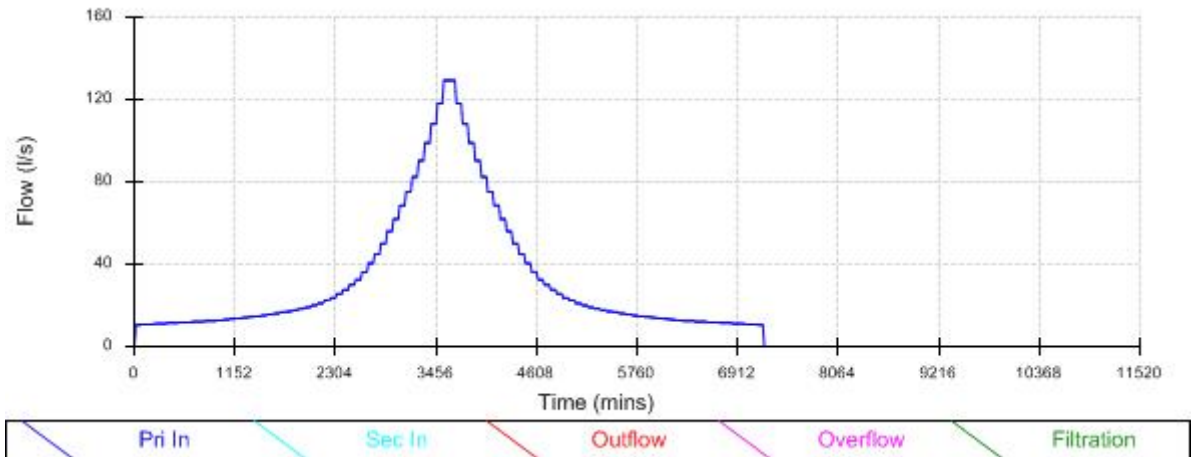
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File Tarmac - Unlimite...

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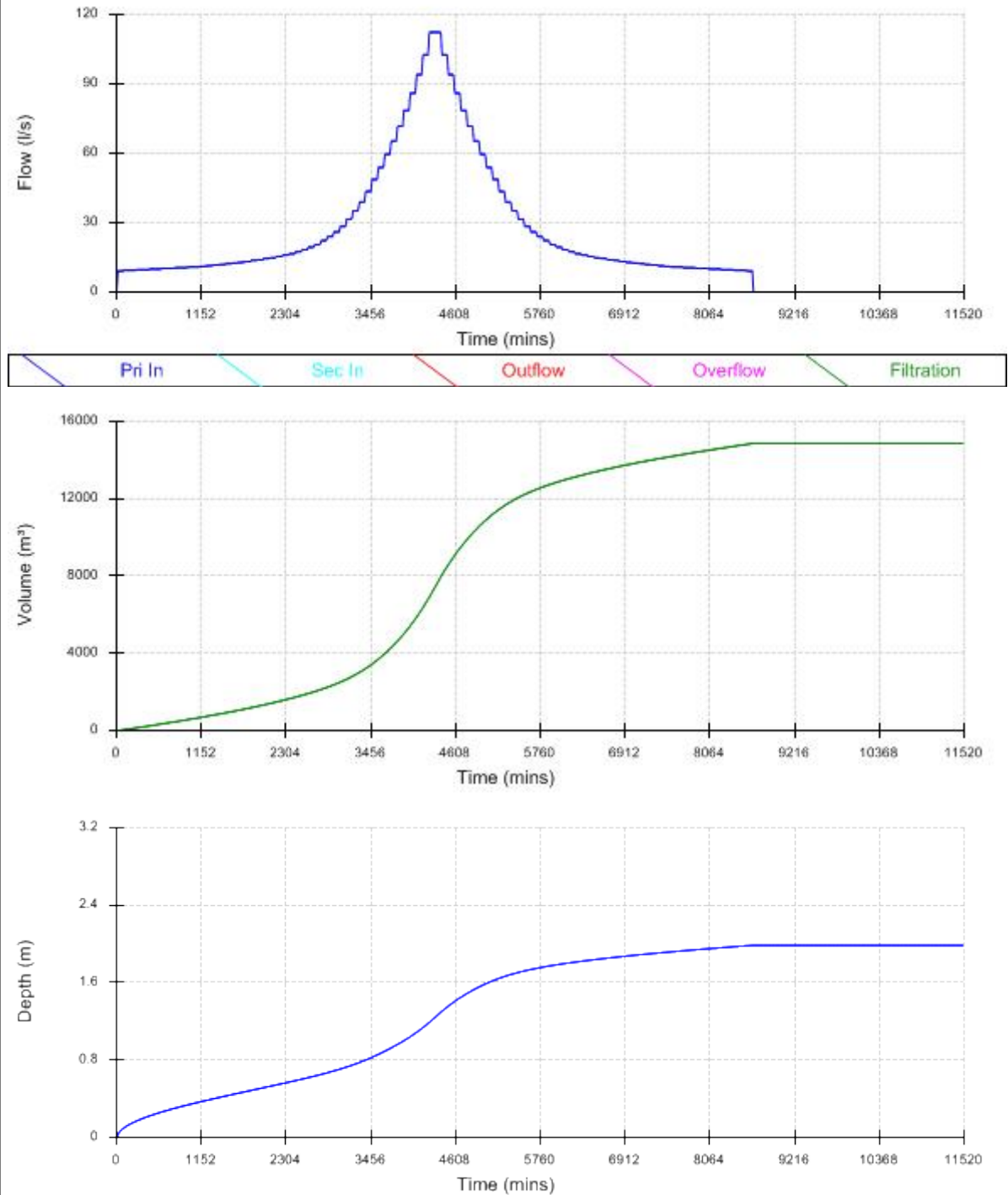
Micro Drainage

Source Control W.12.5

Event: 7200 min Summer

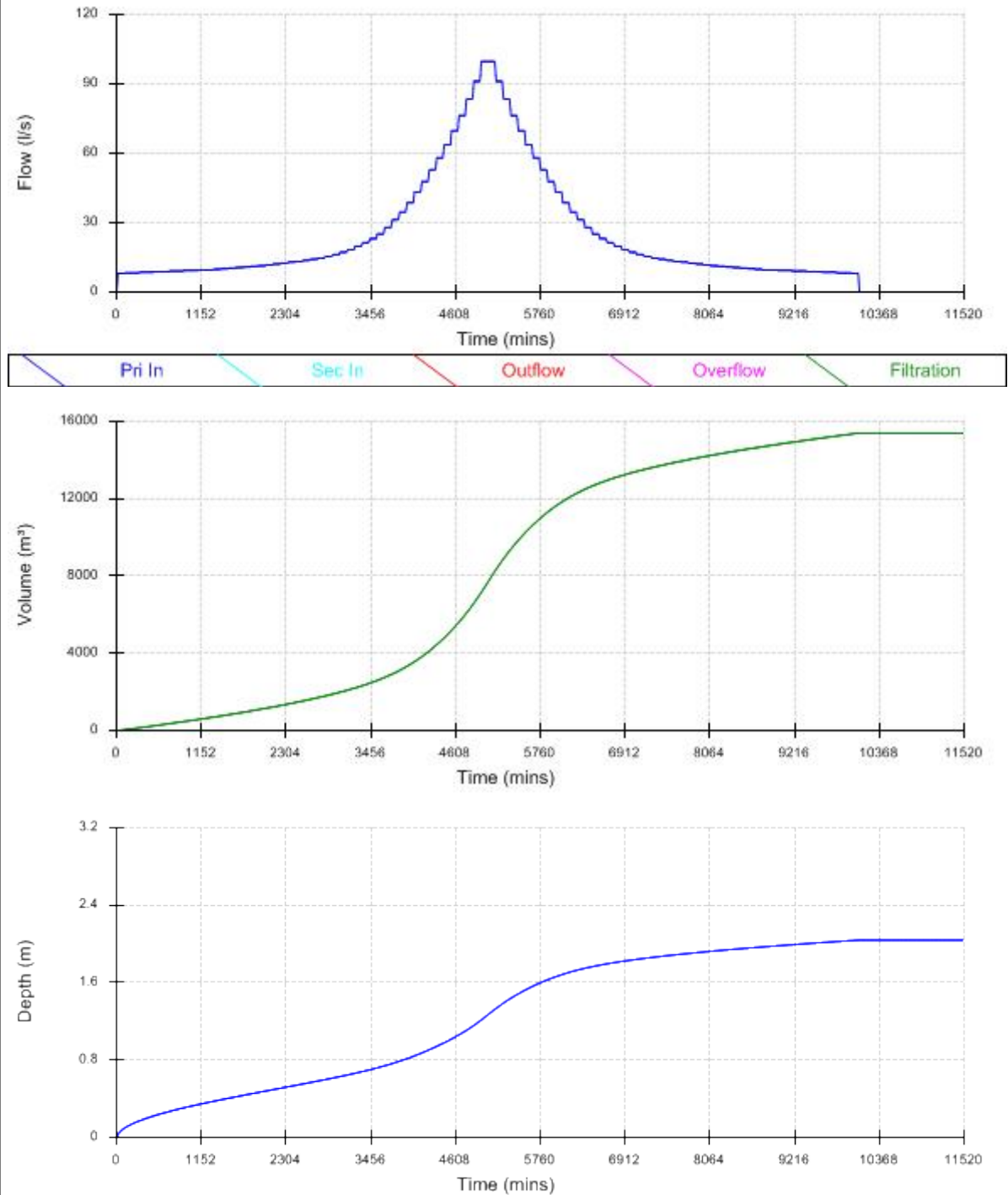
Stratus Environmental Ltd		Page 23
4245 Park Approach Thorpe Park Leeds LS15 8GB		
Date 15/08/2017 16:54 File Tarmac - Unlimite...	Designed By sfuller Checked By	
Micro Drainage	Source Control W.12.5	

Event: 8640 min Summer



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4245 Park Approach Thorpe Park Leeds LS15 8GB		
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Micro Drainage	Source Control W.12.5	

Event: 10080 min Summer



4245 Park Approach
Thorpe Park
Leeds LS15 8GB

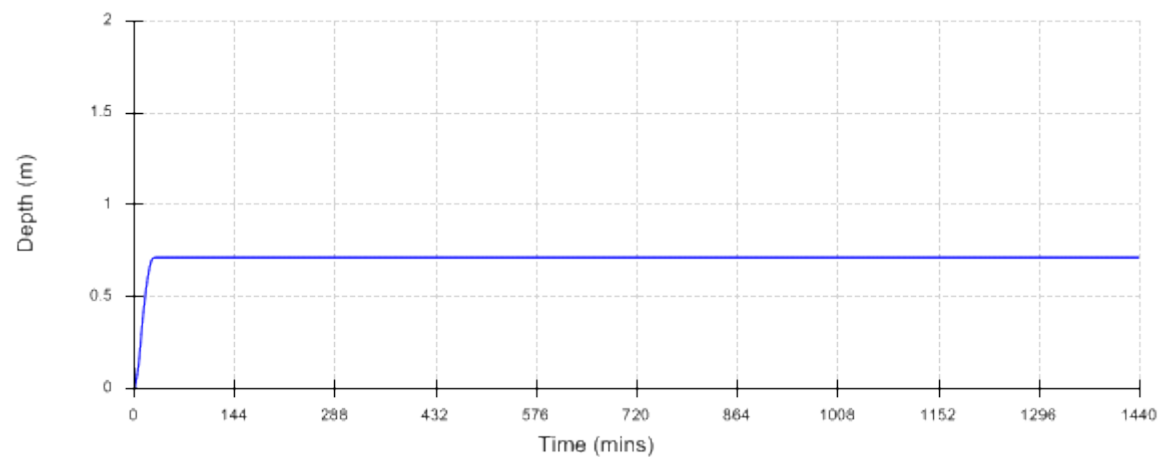
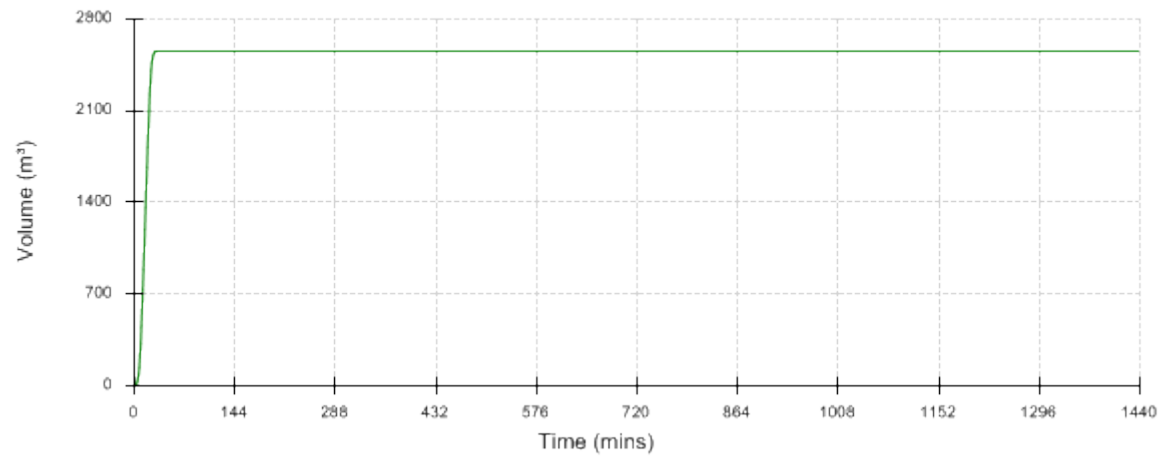
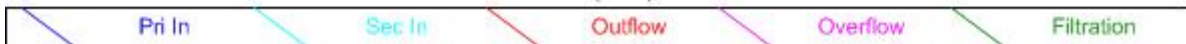
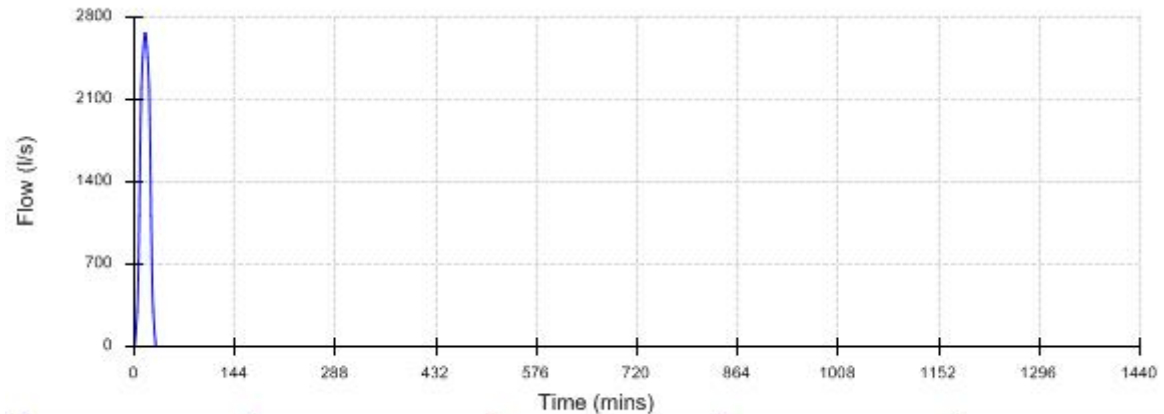
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File Tarmac - Unlimite...

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Micro Drainage

Source Control W.12.5

Event: 15 min Winter

4245 Park Approach
Thorpe Park
Leeds LS15 8GB

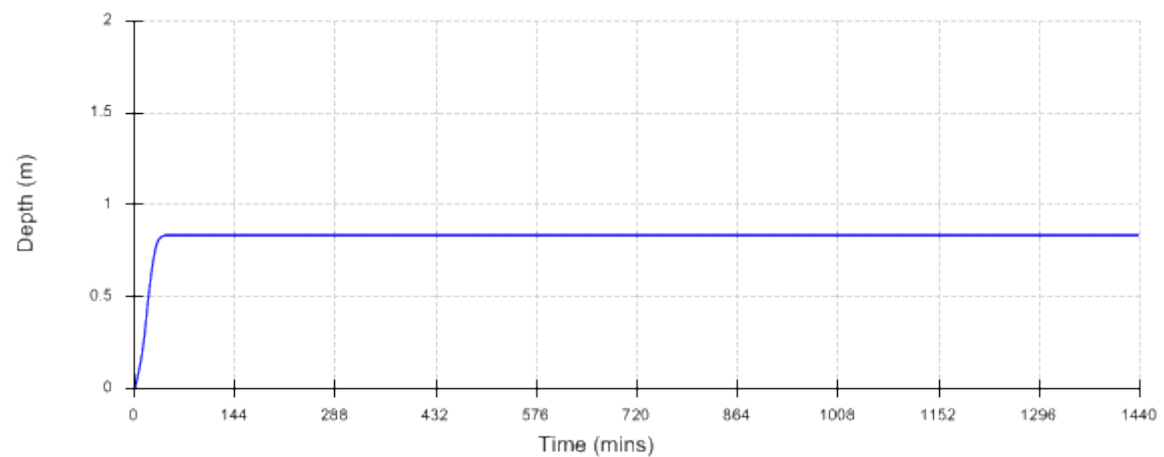
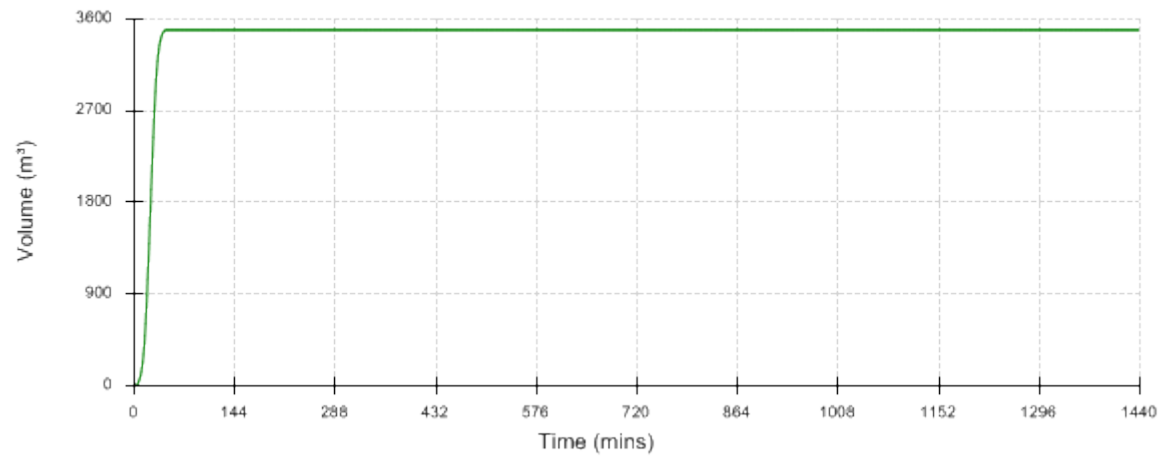
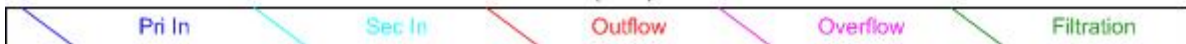
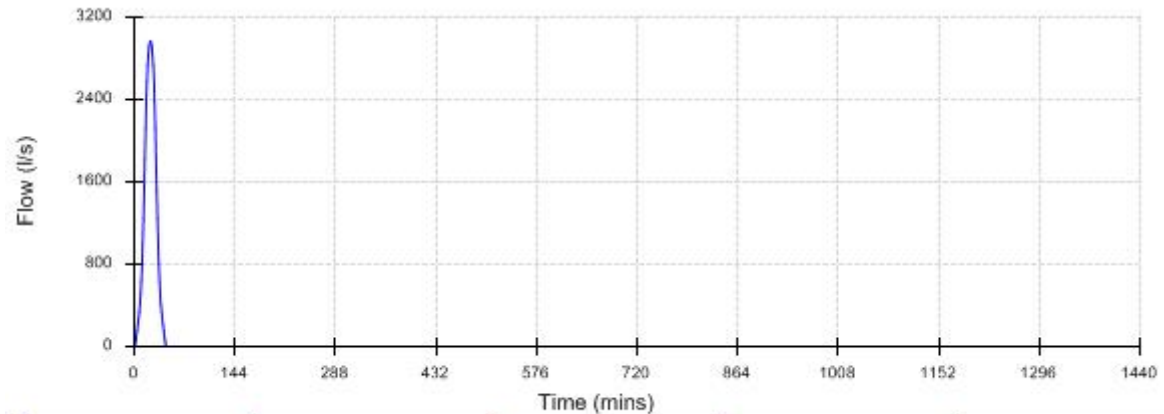
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File Tarmac - Unlimite...

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Micro Drainage

Source Control W.12.5

Event: 30 min Winter

4245 Park Approach
Thorpe Park
Leeds LS15 8GB

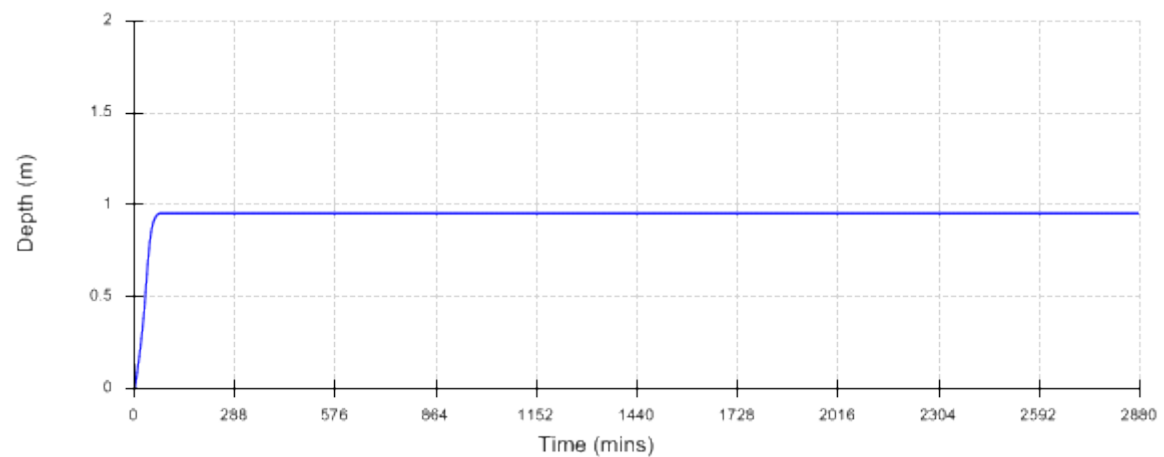
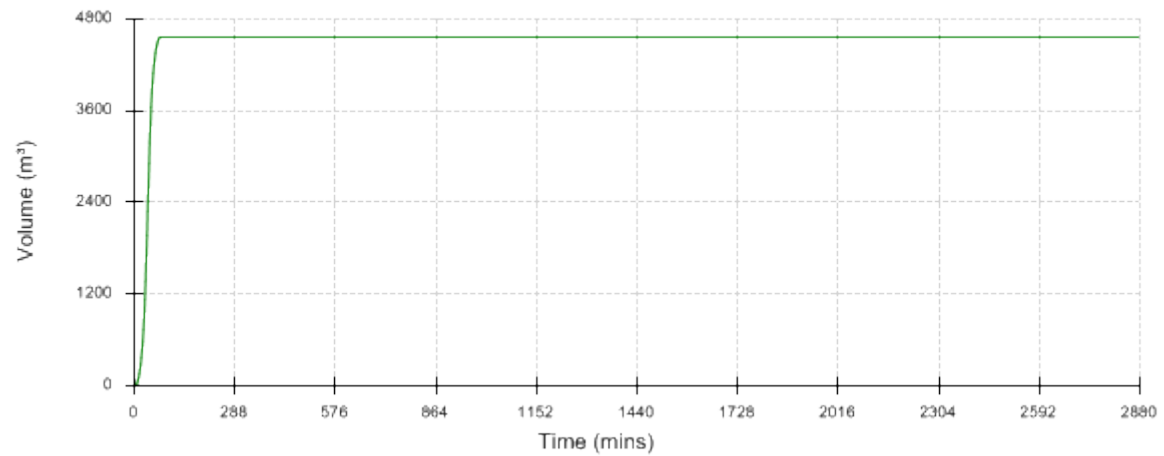
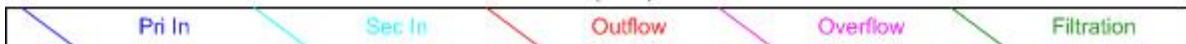
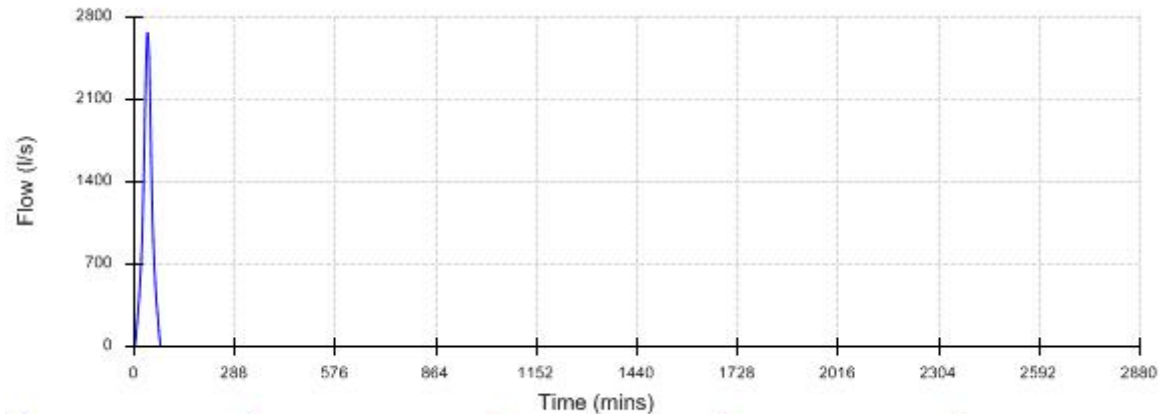
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File Tarmac - Unlimite...

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Micro Drainage

Source Control W.12.5

Event: 60 min Winter

4245 Park Approach
Thorpe Park
Leeds LS15 8GB

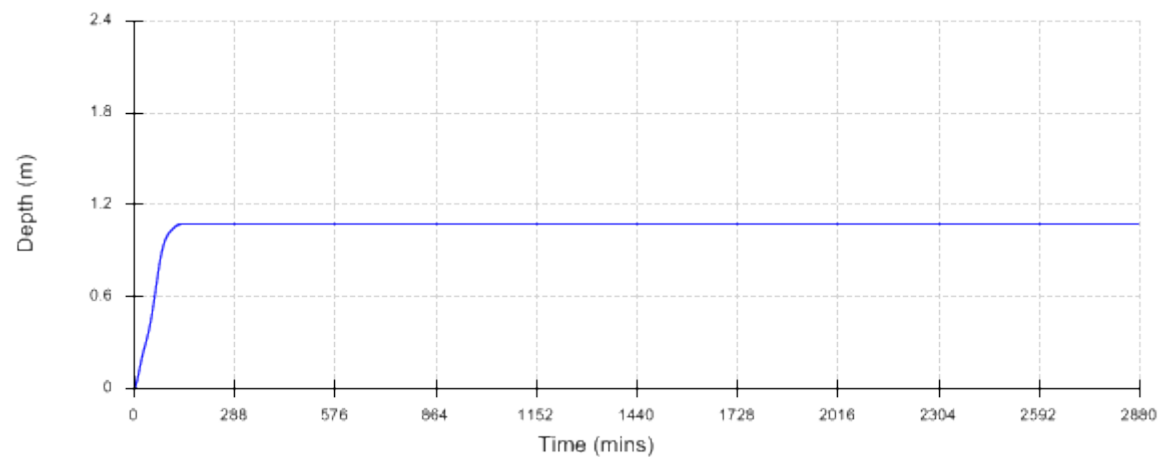
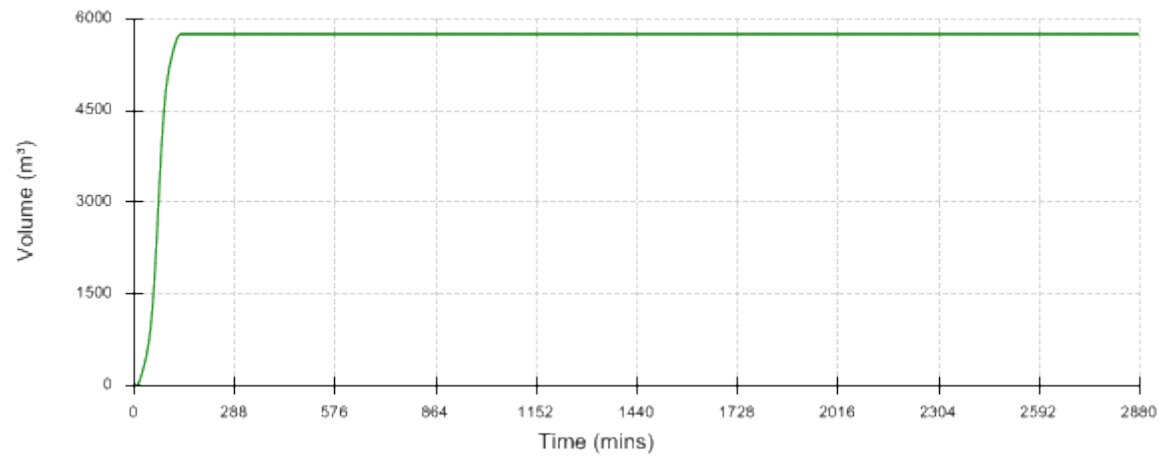
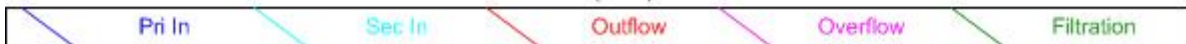
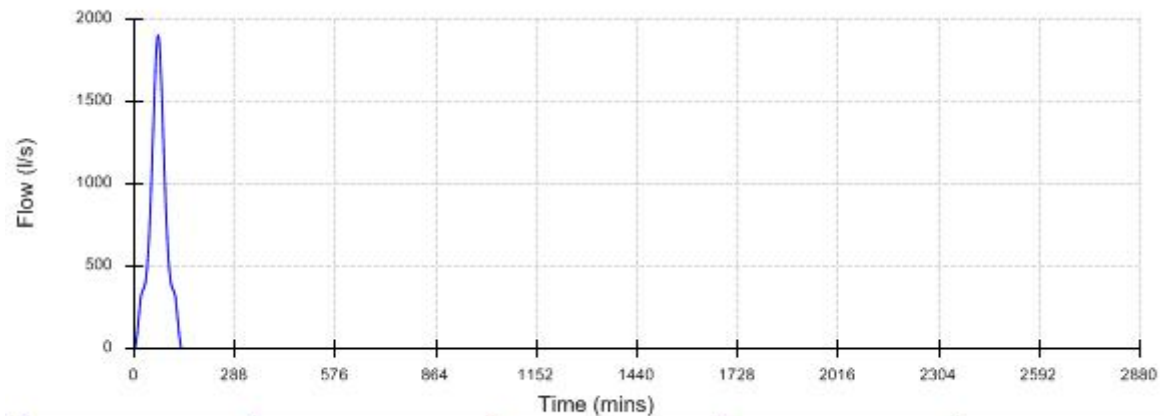
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File Tarmac - Unlimite...

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Micro Drainage

Source Control W.12.5

Event: 120 min Winter

4245 Park Approach
Thorpe Park
Leeds LS15 8GB

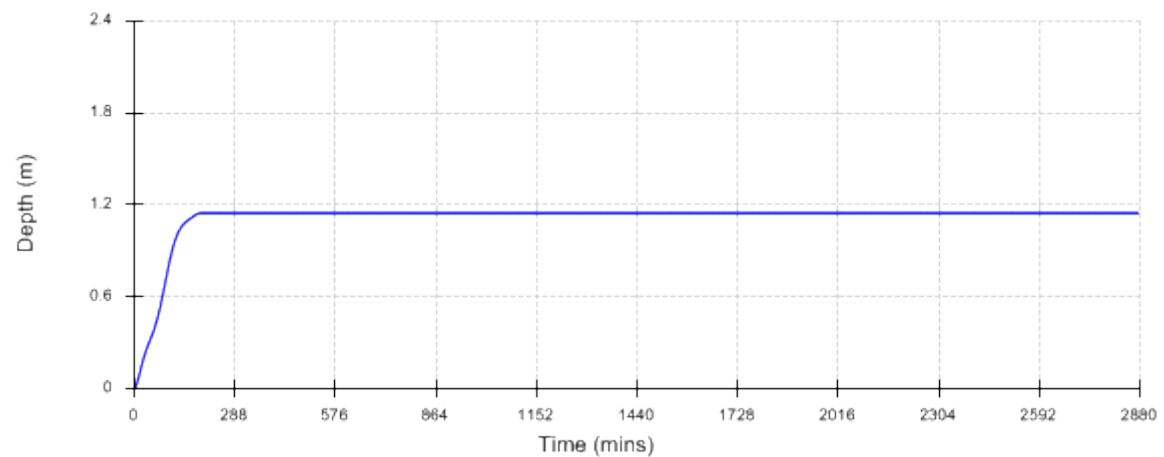
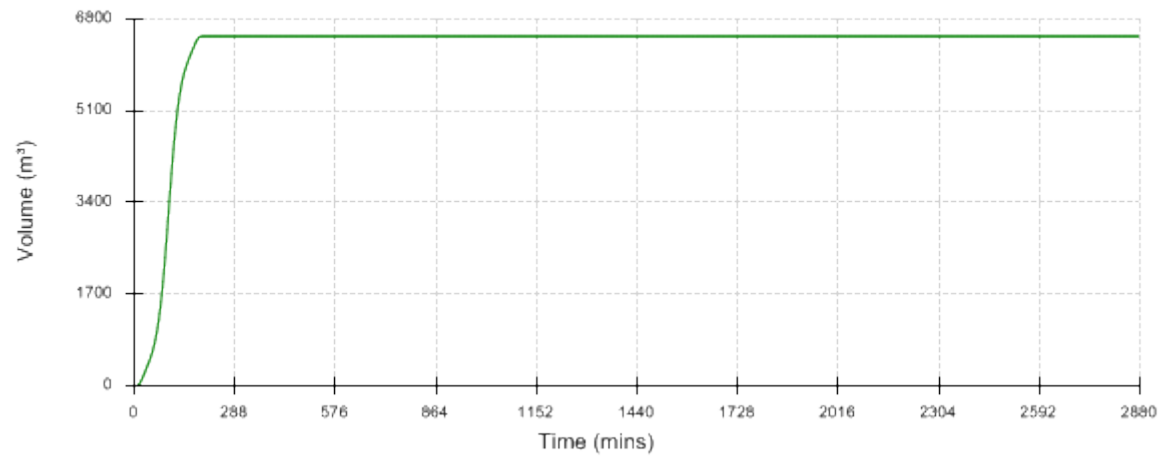
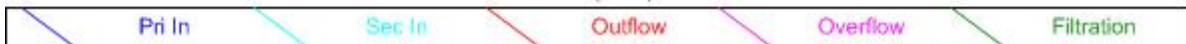
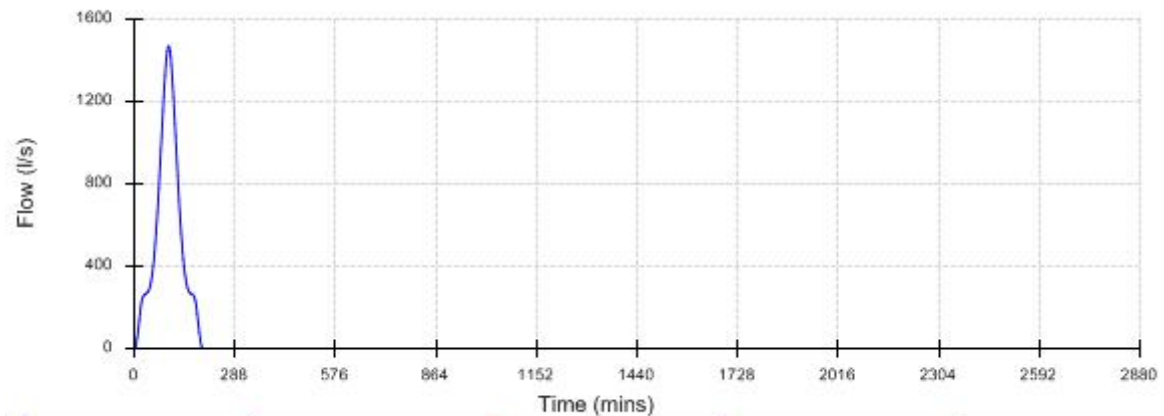
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File Tarmac - Unlimite...

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Micro Drainage

Source Control W.12.5

Event: 180 min Winter

4245 Park Approach
Thorpe Park
Leeds LS15 8GB

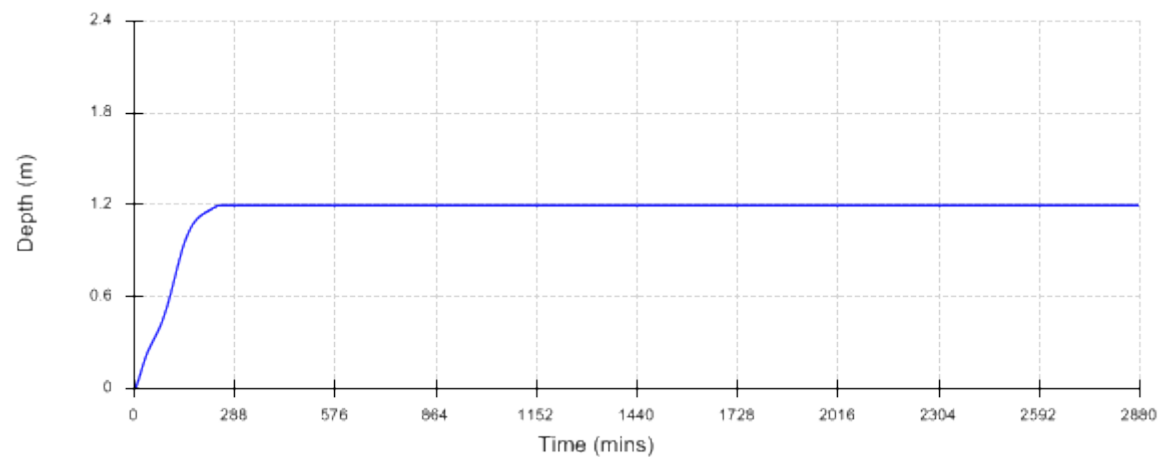
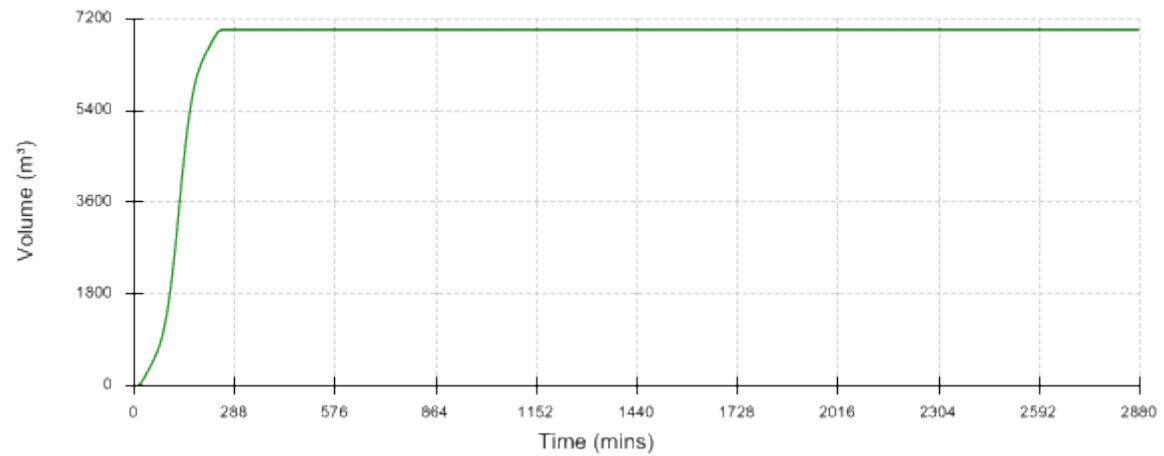
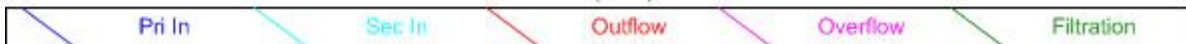
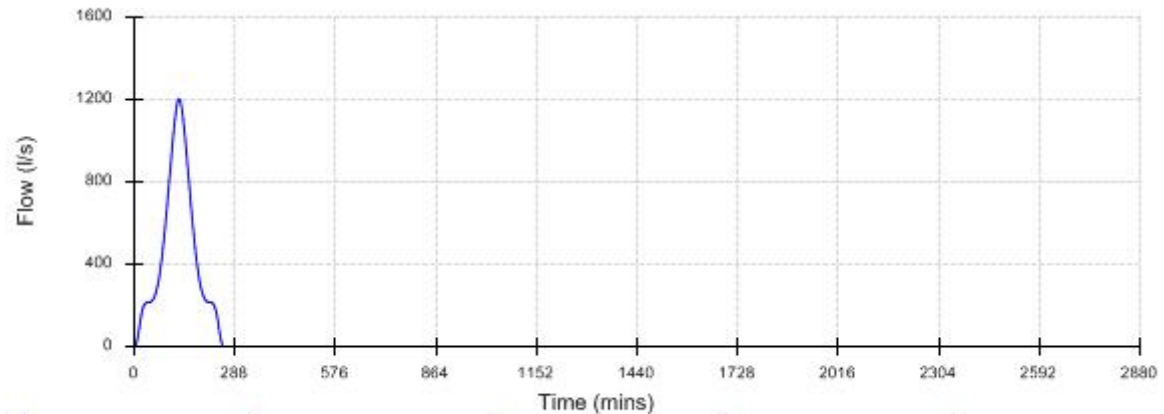
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File Tarmac - Unlimite...

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Micro Drainage

Source Control W.12.5

Event: 240 min Winter

4245 Park Approach
Thorpe Park
Leeds LS15 8GB

Date 15/08/2017 16:54
File Tarmac - Unlimite...

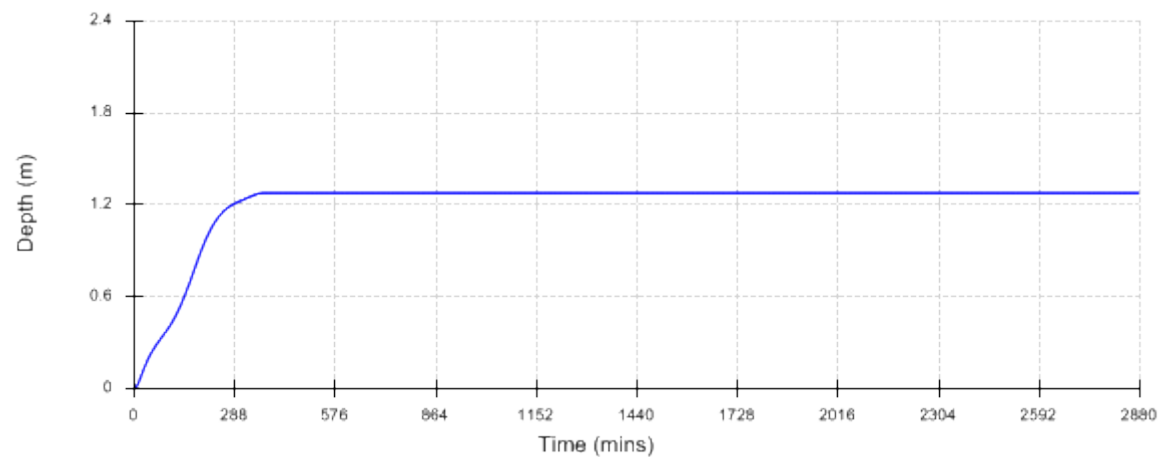
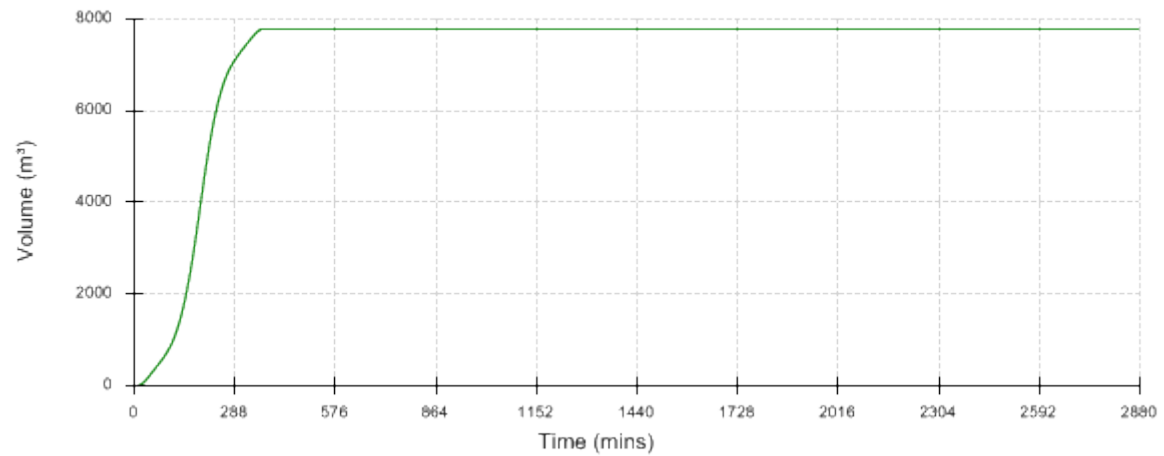
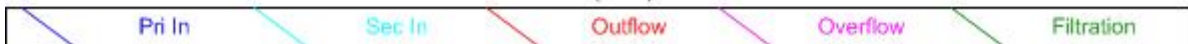
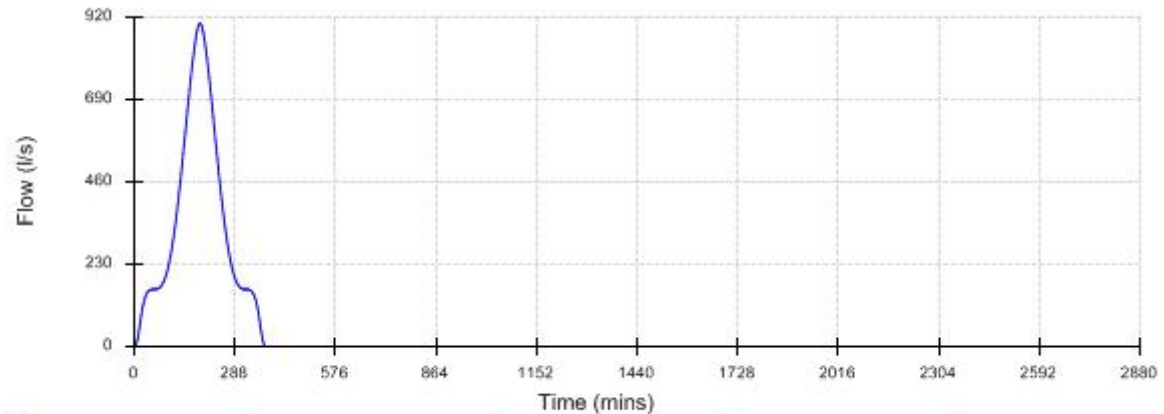
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Micro Drainage

Source Control W.12.5

Event: 360 min Winter



4245 Park Approach
Thorpe Park
Leeds LS15 8GB

Date 15/08/2017 16:54
File Tarmac - Unlimite...

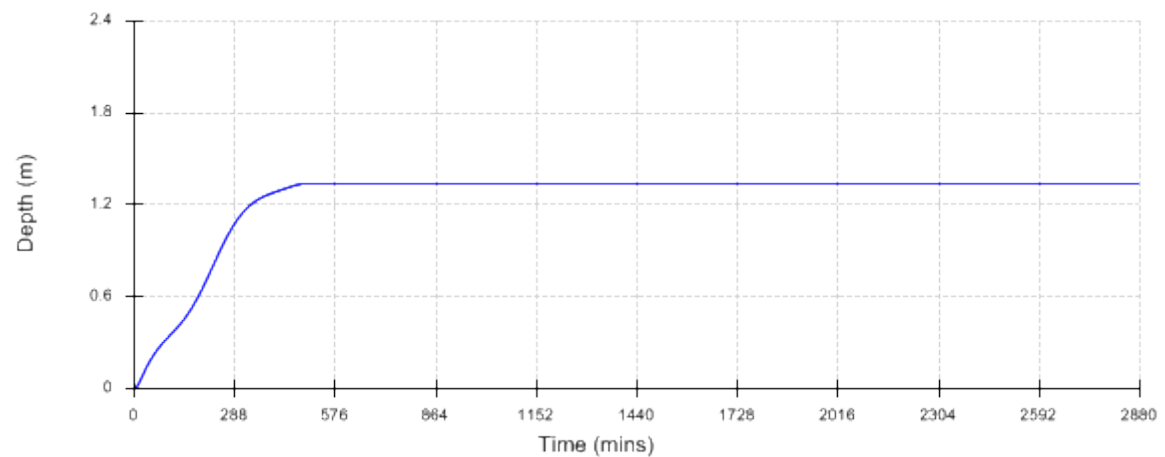
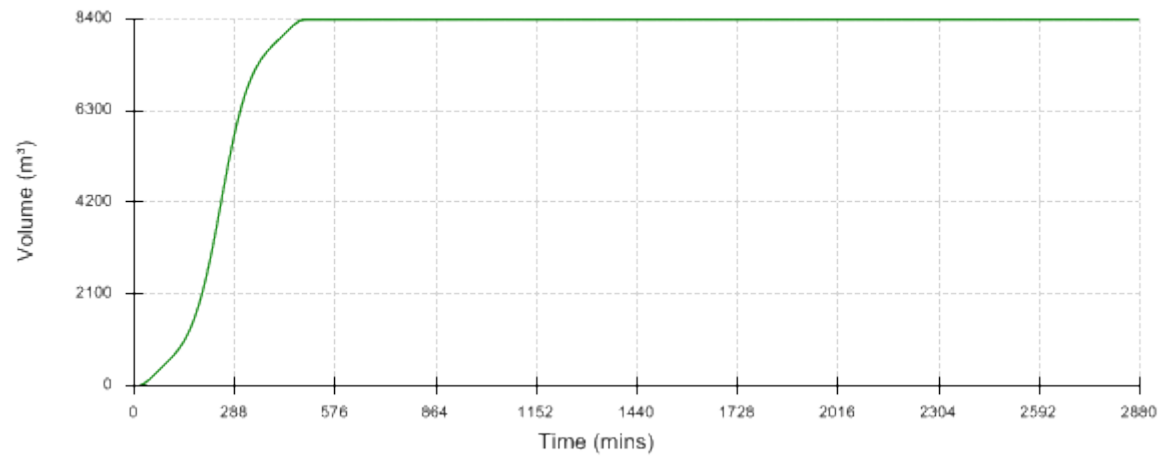
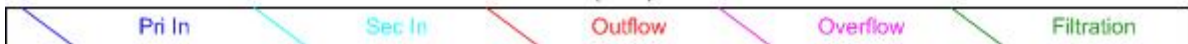
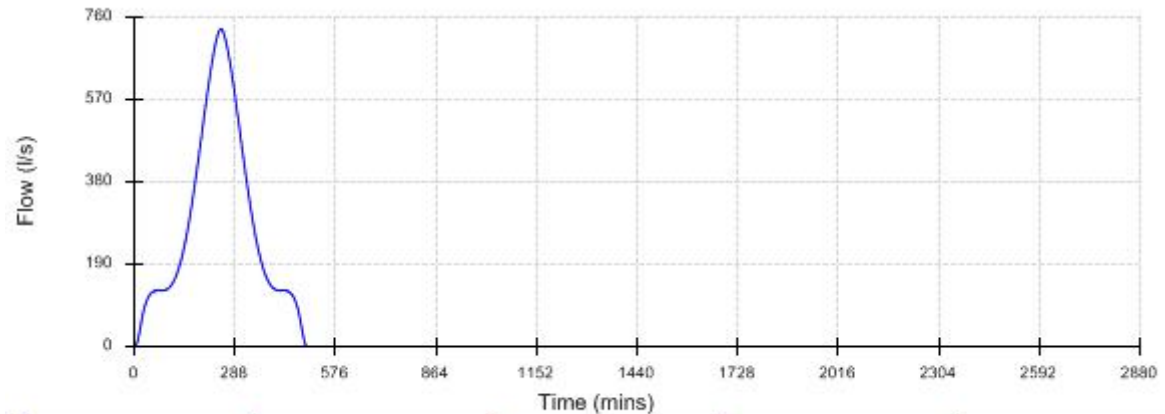
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Micro Drainage

Source Control W.12.5

Event: 480 min Winter



4245 Park Approach
Thorpe Park
Leeds LS15 8GB

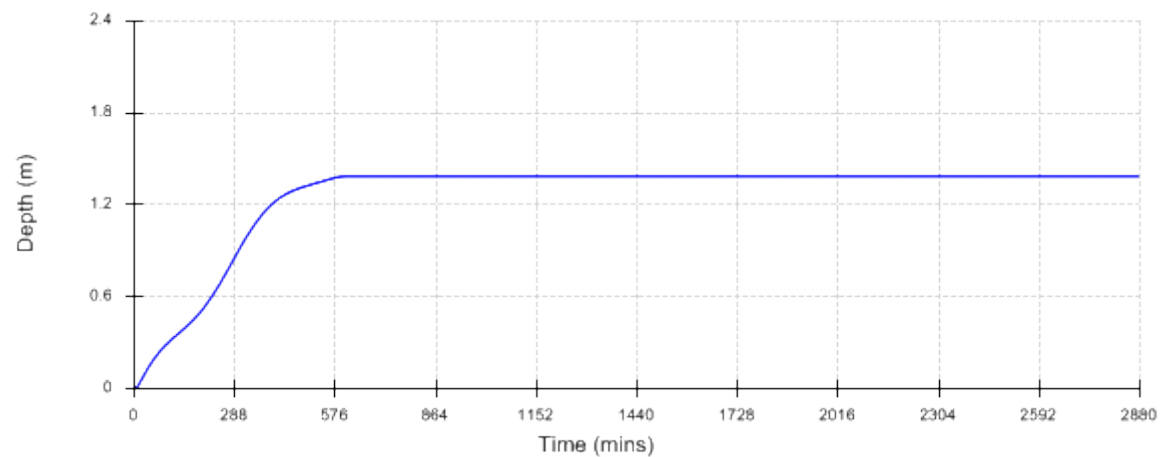
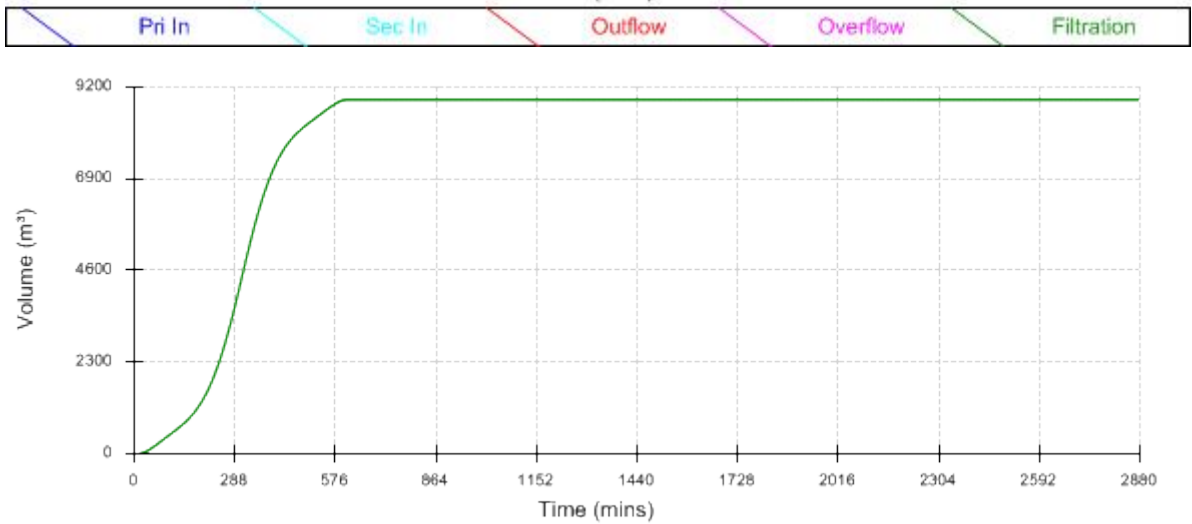
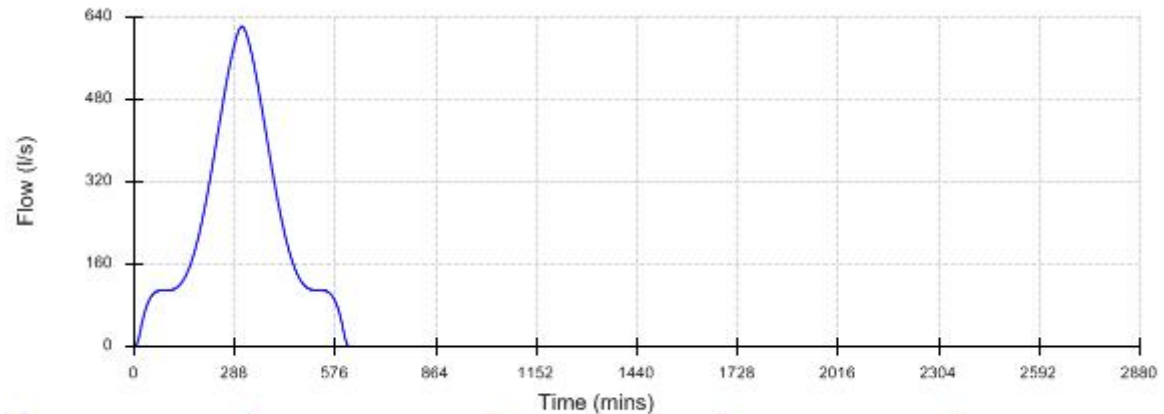
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File Tarmac - Unlimite...

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Micro Drainage

Source Control W.12.5

Event: 600 min Winter

4245 Park Approach
Thorpe Park
Leeds LS15 8GB

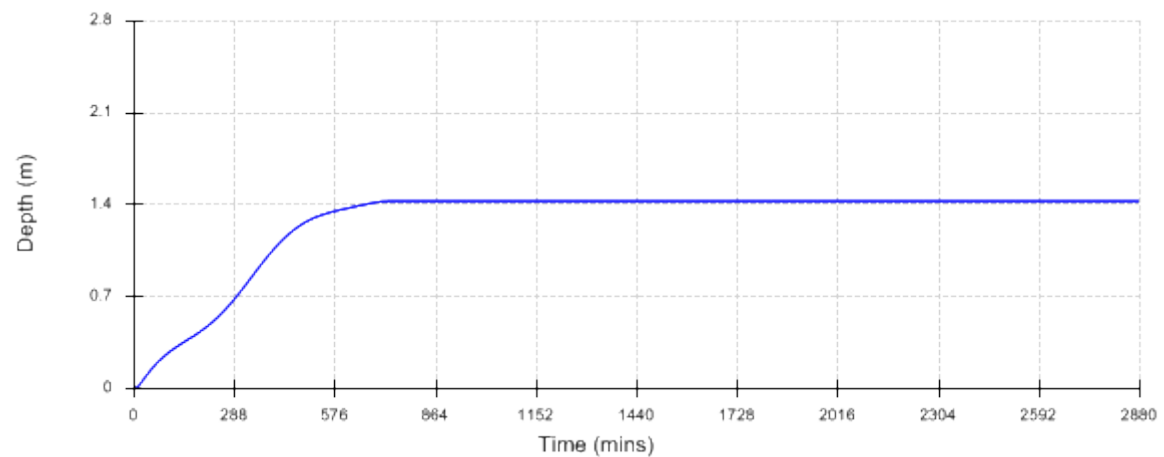
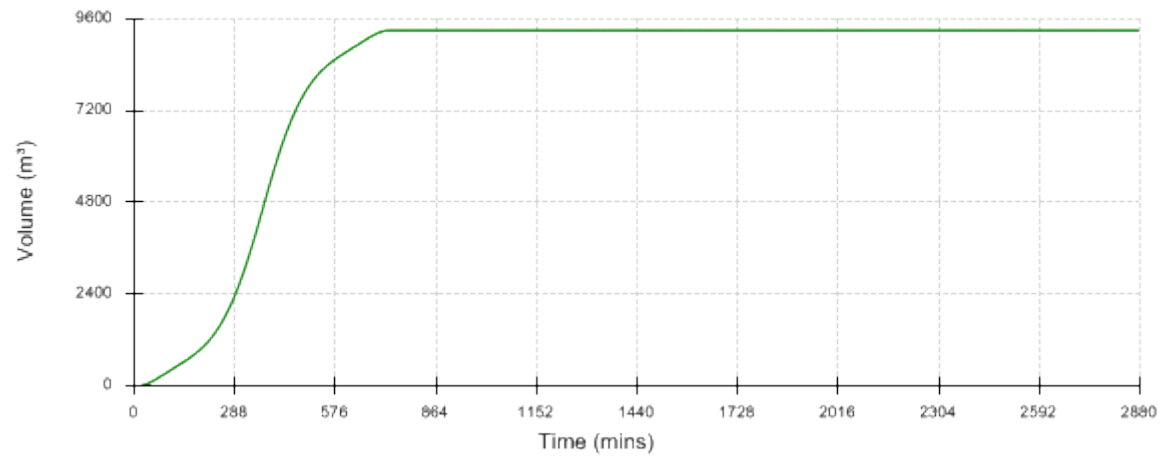
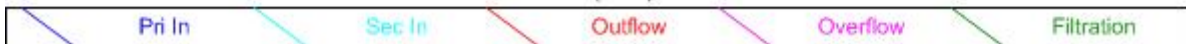
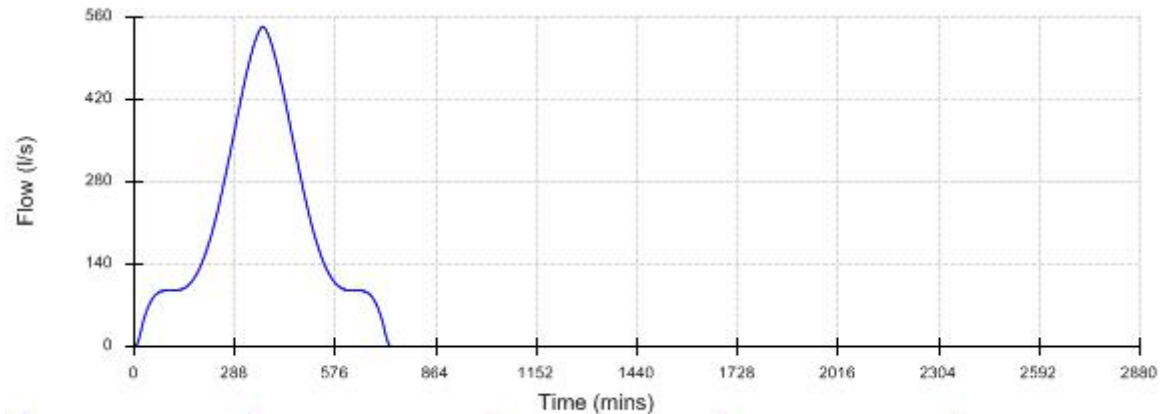
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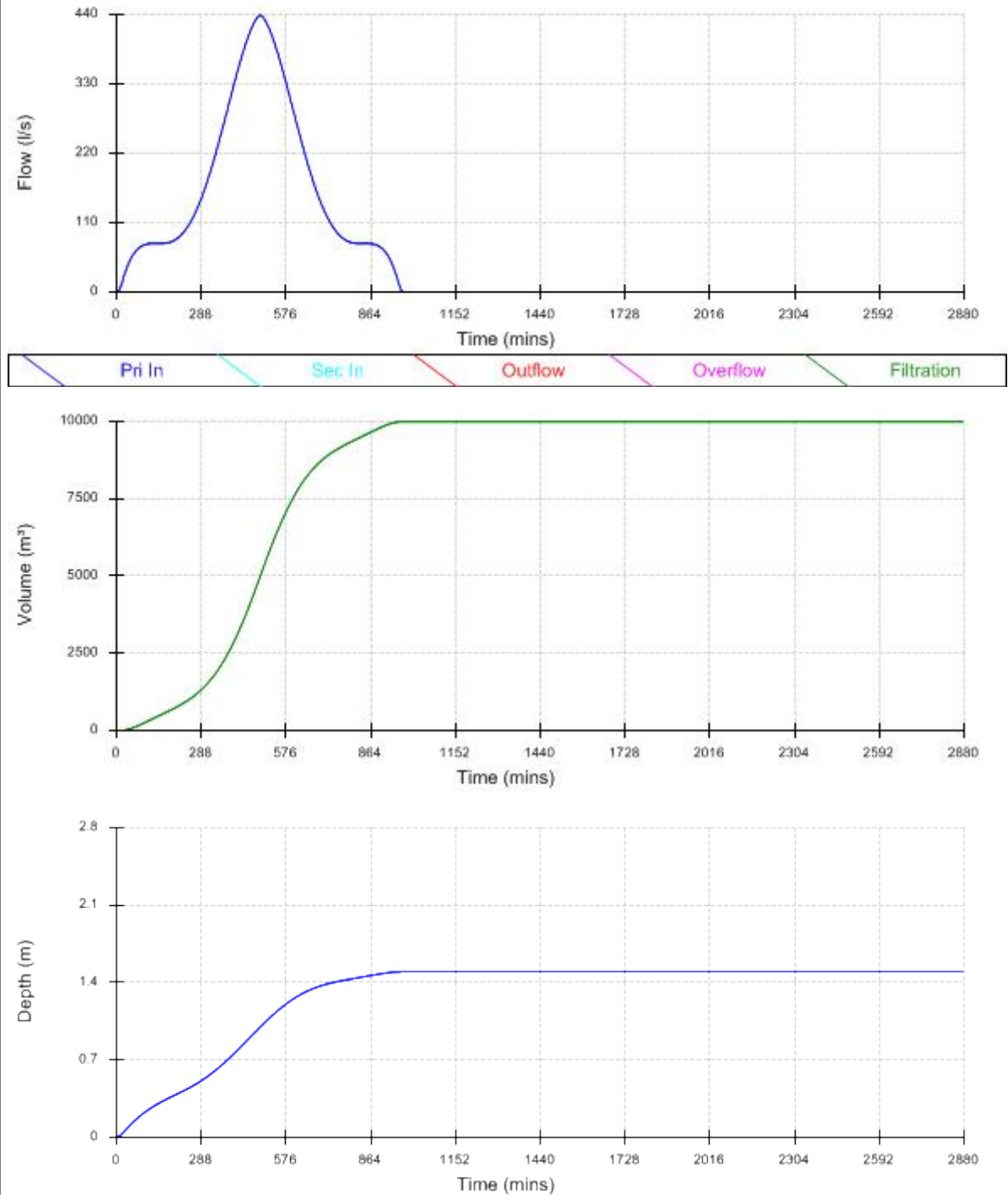
Micro Drainage

Source Control W.12.5

Event: 720 min Winter

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Micro Drainage	Source Control W.12.5	

Event: 960 min Winter



4245 Park Approach
Thorpe Park
Leeds LS15 8GB

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File Tarmac - Unlimite...

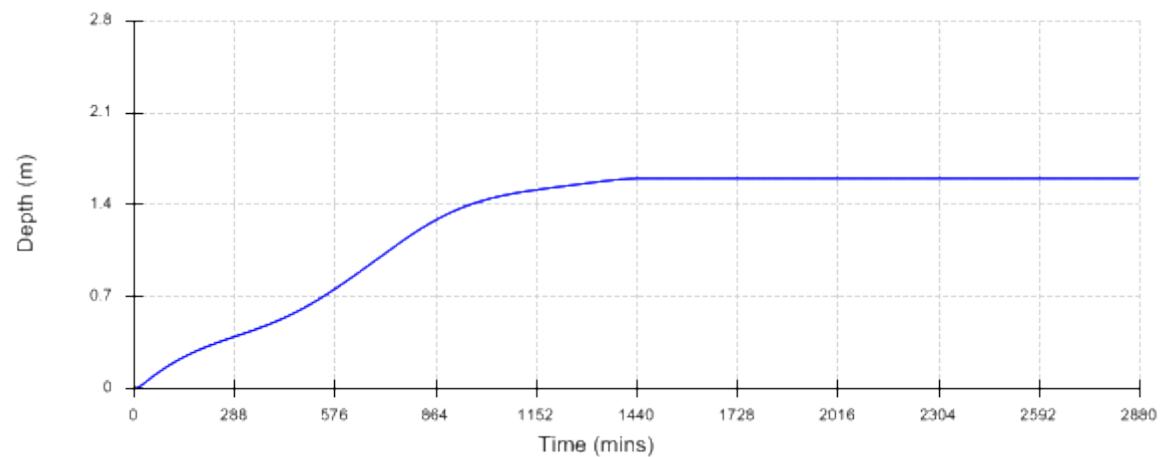
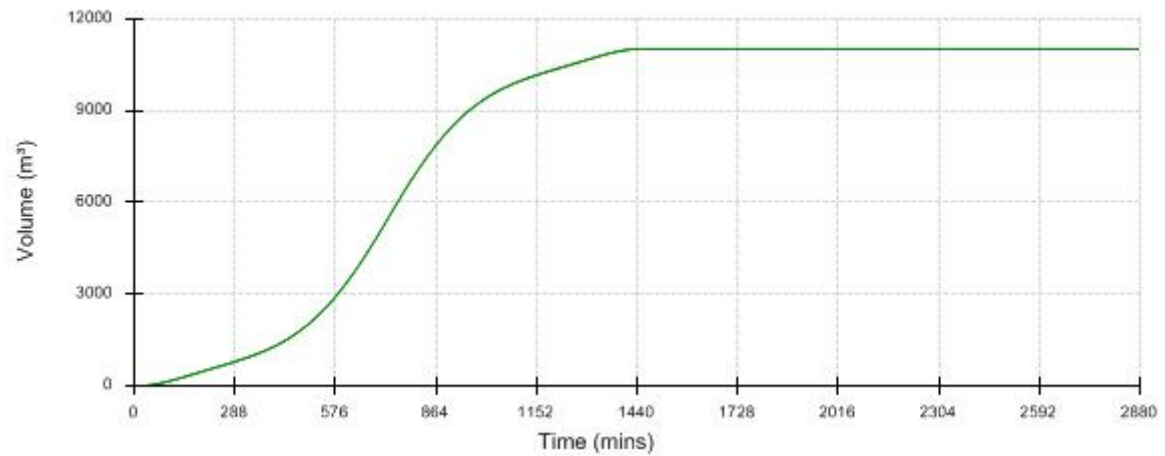
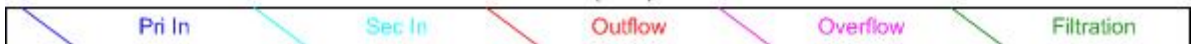
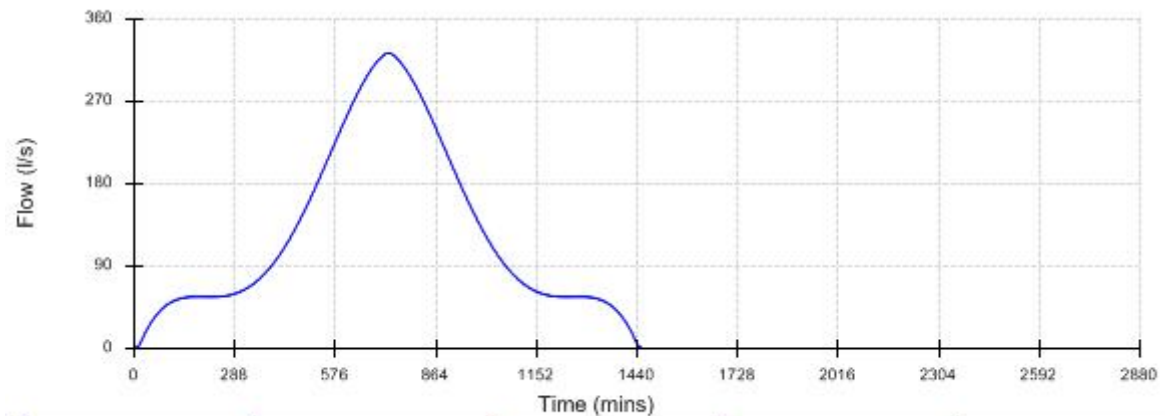
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Micro Drainage

Source Control W.12.5

Event: 1440 min Winter



4245 Park Approach
Thorpe Park
Leeds LS15 8GB

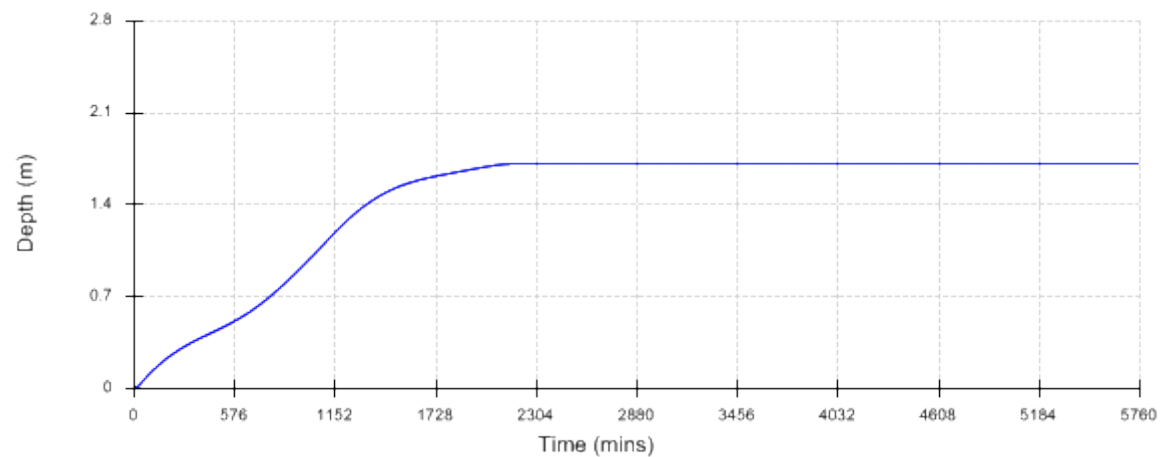
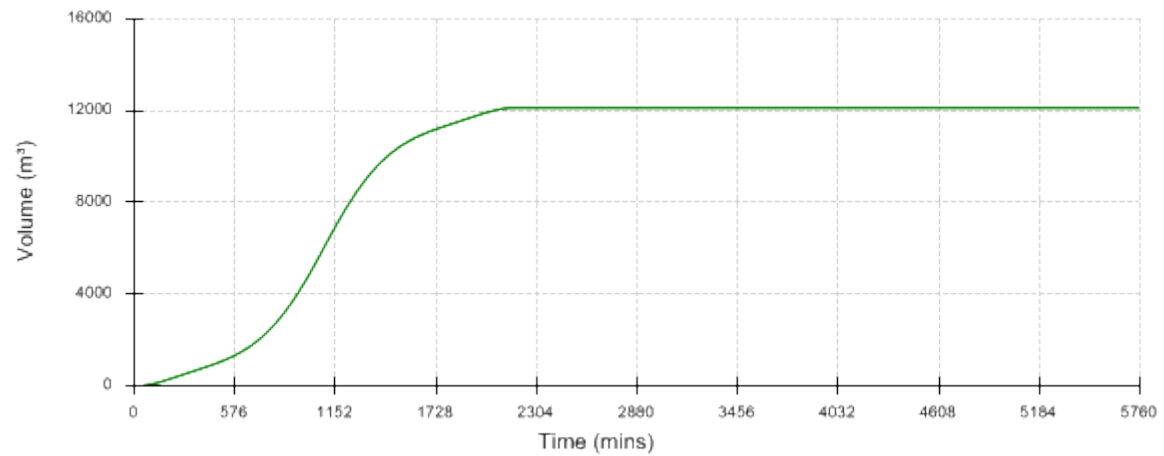
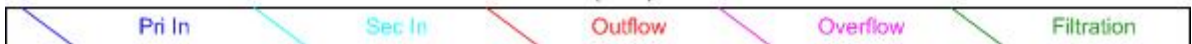
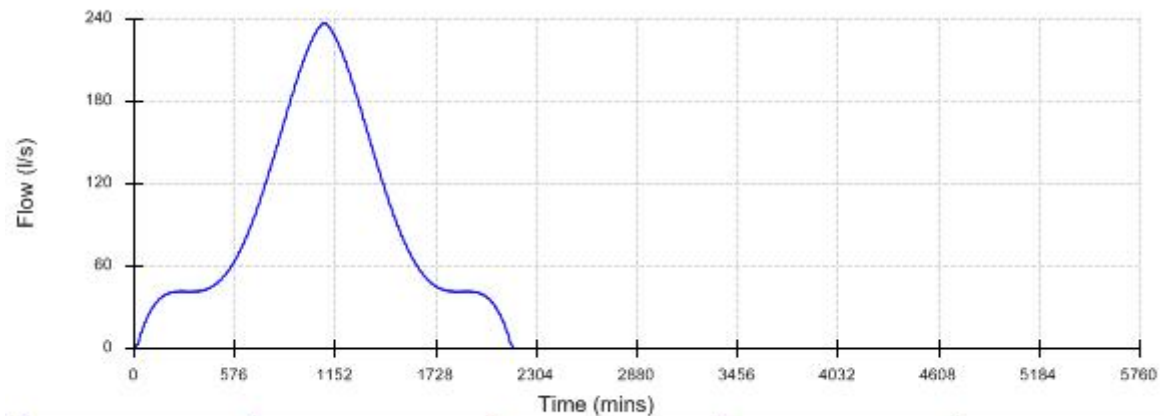
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Micro Drainage

Source Control W.12.5

Event: 2160 min Winter

4245 Park Approach
Thorpe Park
Leeds LS15 8GB

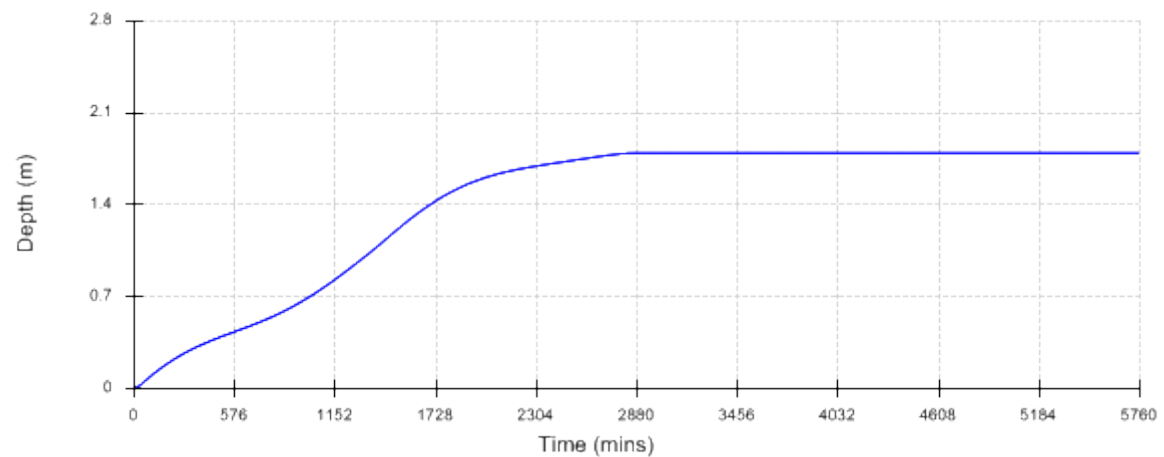
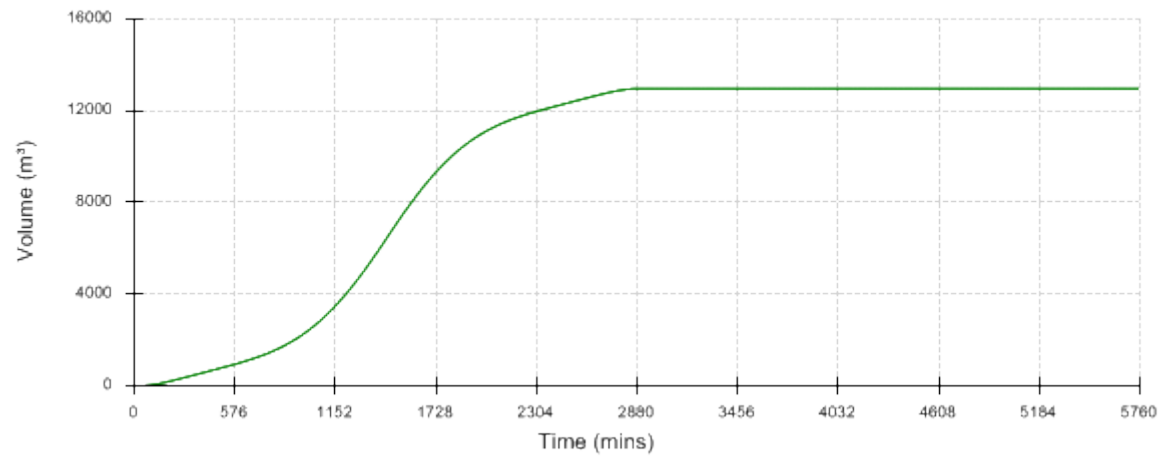
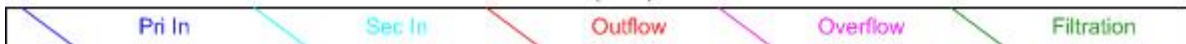
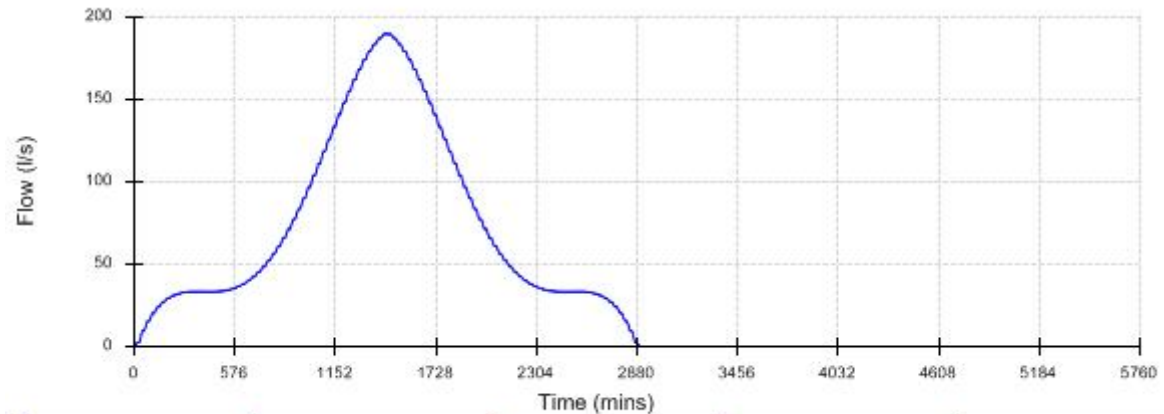
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Micro Drainage

Source Control W.12.5

Event: 2880 min Winter

4245 Park Approach
Thorpe Park
Leeds LS15 8GB

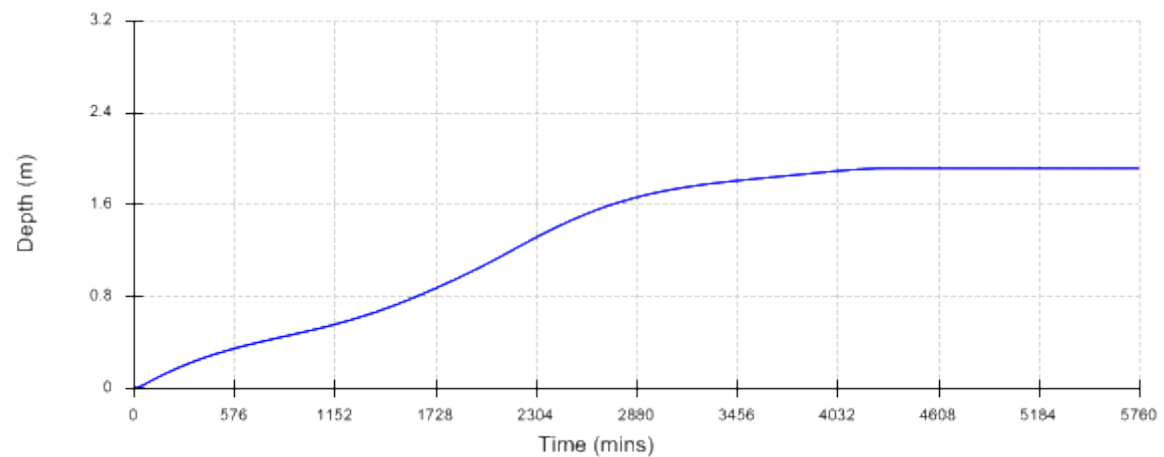
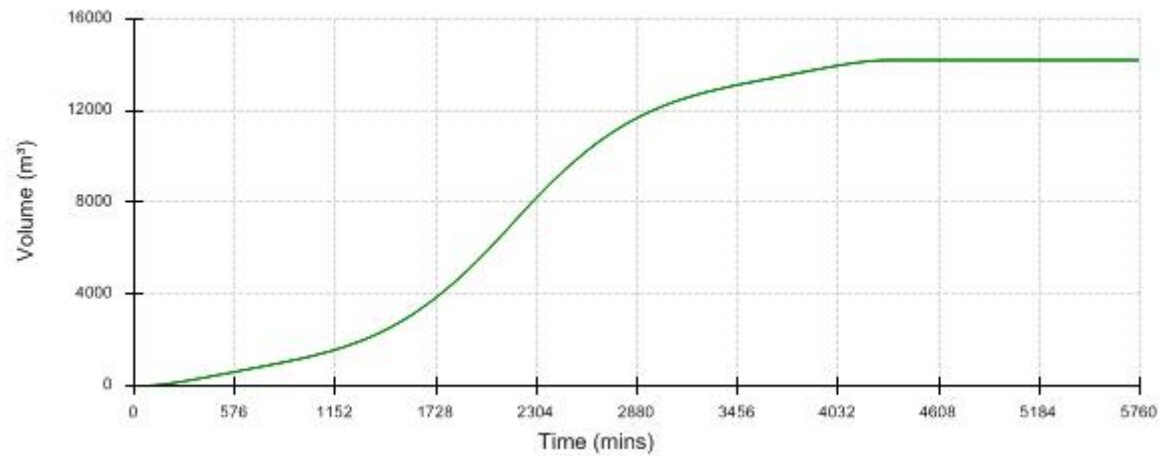
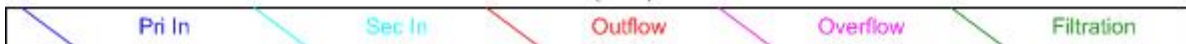
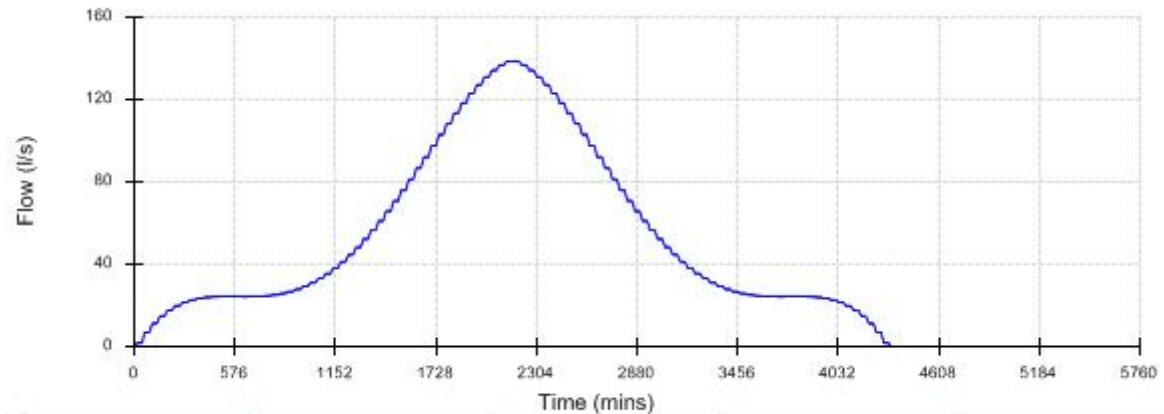
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Micro Drainage

Source Control W.12.5

Event: 4320 min Winter

4245 Park Approach
Thorpe Park
Leeds LS15 8GB

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File Tarmac - Unlimite...

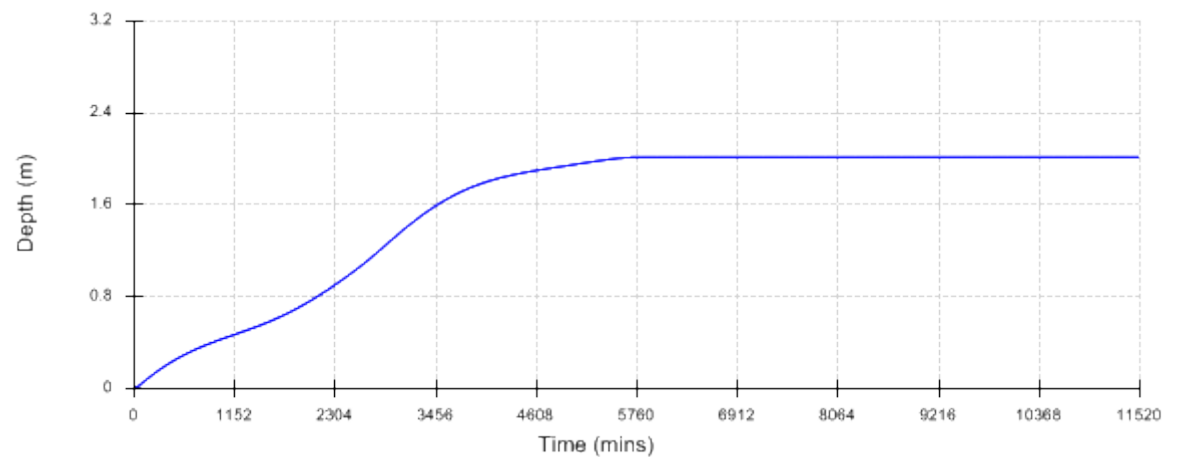
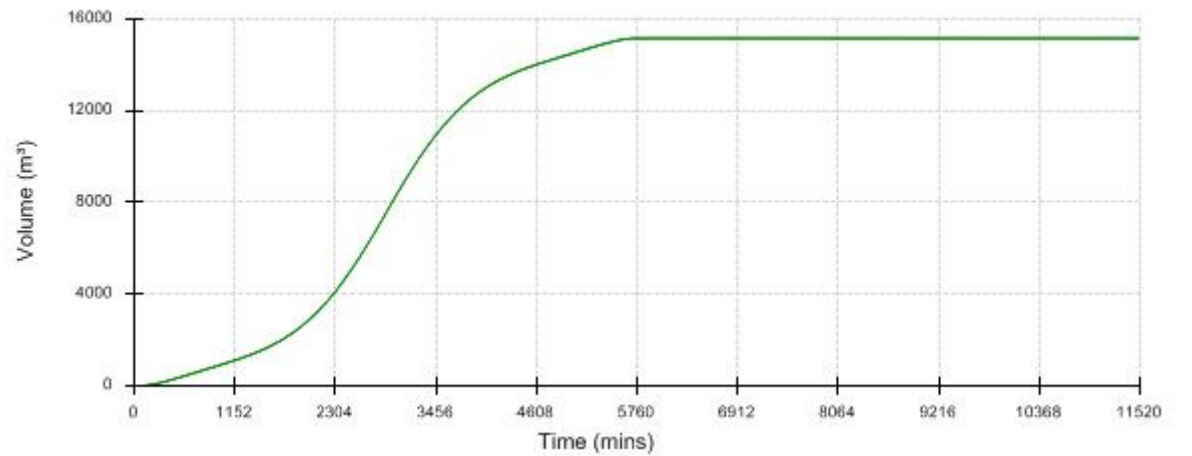
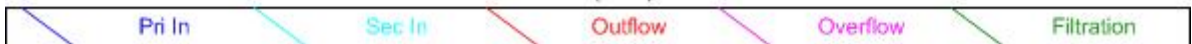
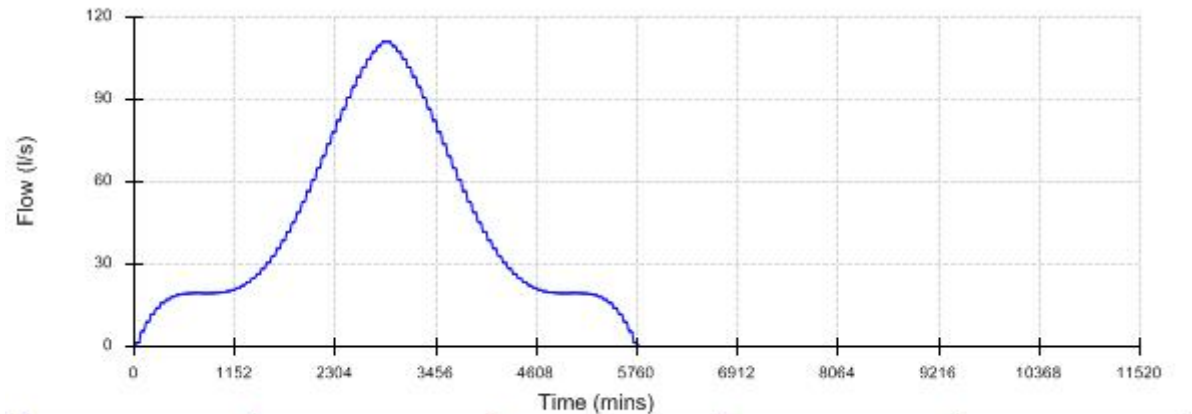
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Micro Drainage

Source Control W.12.5

Event: 5760 min Winter



4245 Park Approach
Thorpe Park
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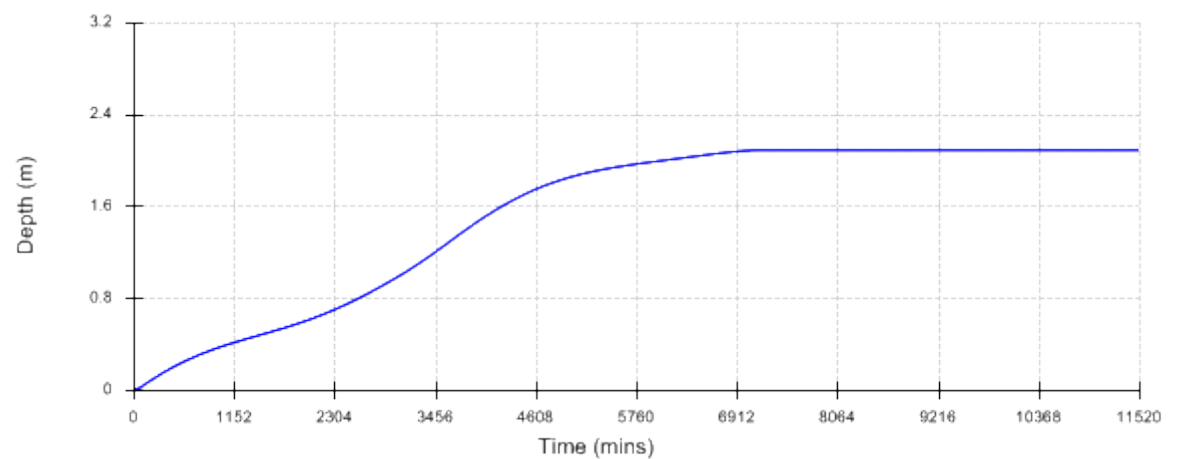
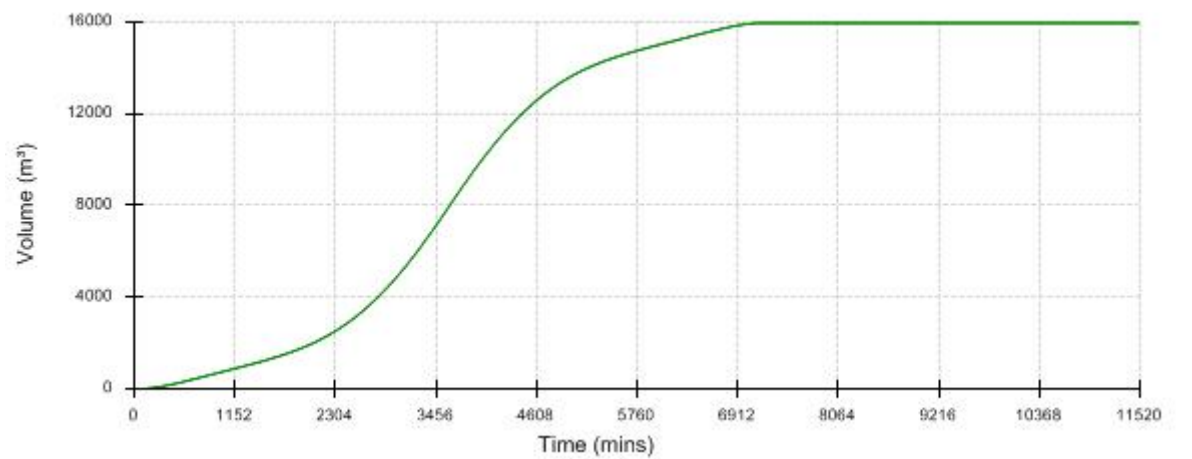
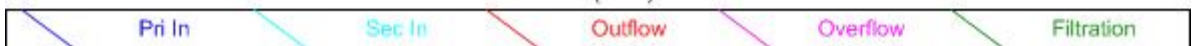
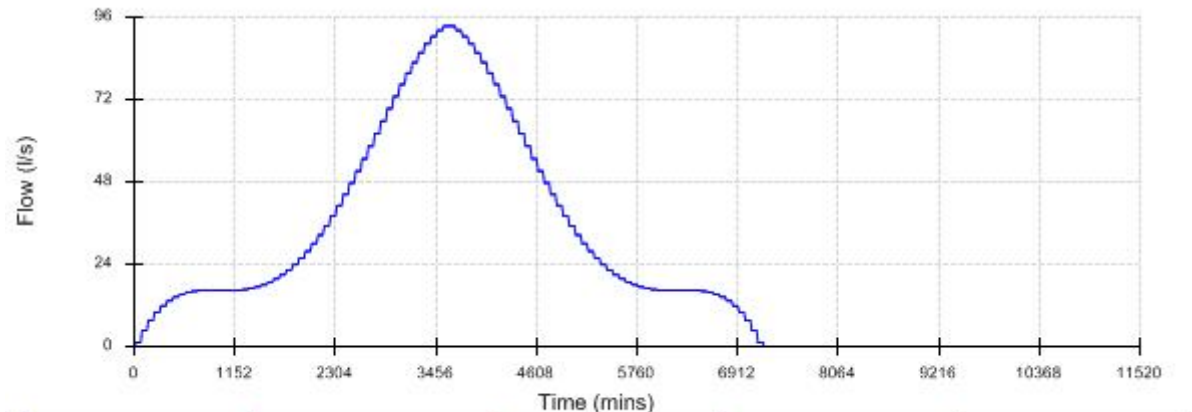
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Micro Drainage

Source Control W.12.5

Event: 7200 min Winter



4245 Park Approach
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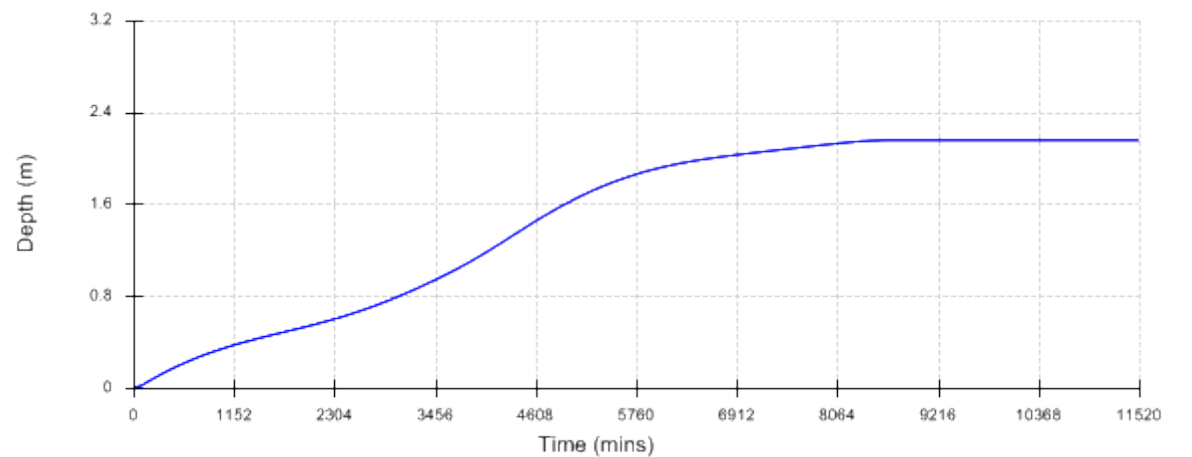
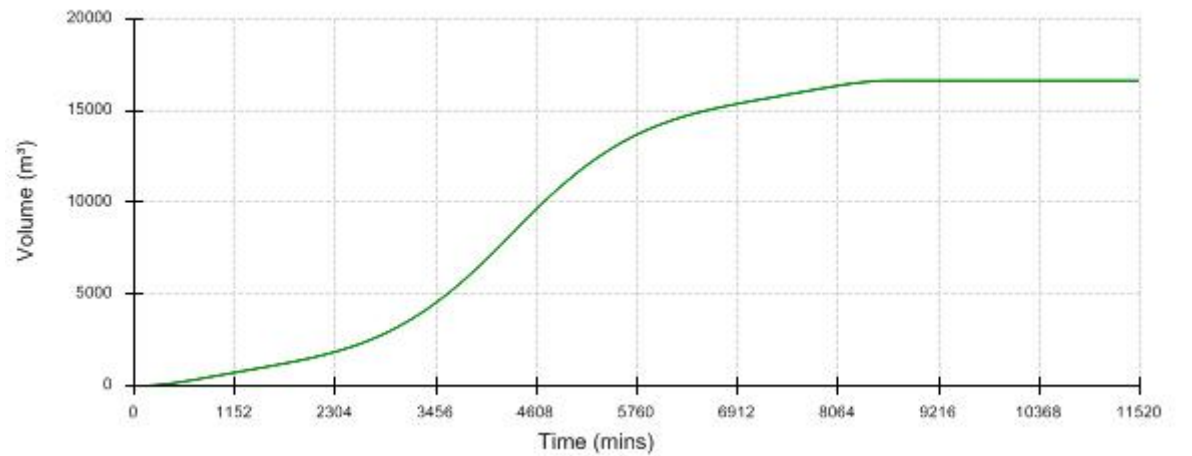
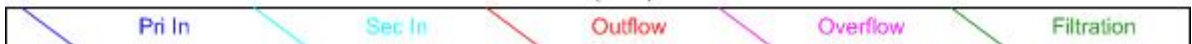
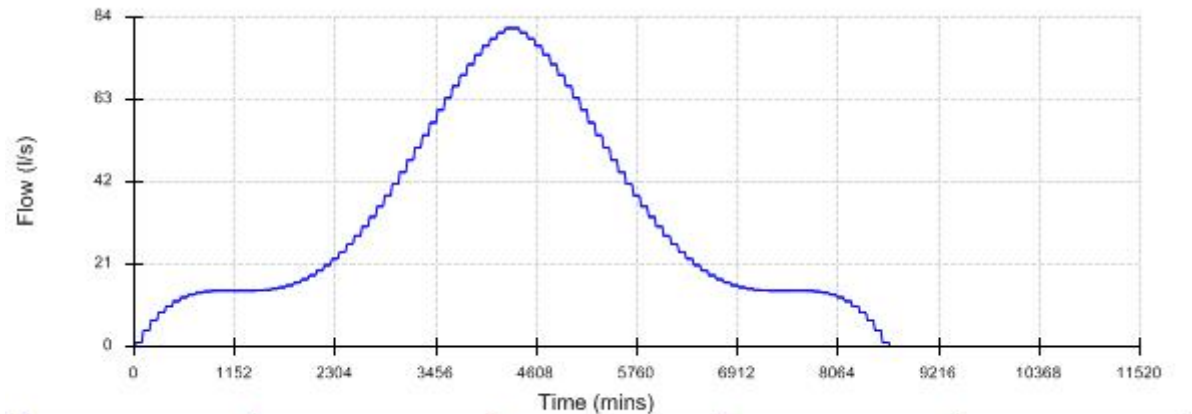
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Micro Drainage

Source Control W.12.5

Event: 8640 min Winter



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Micro Drainage	Source Control W.12.5	

Event: 10080 min Winter

