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TOPPING ENGINEERS CONSULTING CIVIL & STRUCTURAL ENGINEERS Aire House 12 Victoria Avenue Harrogate HG1 1ED t: 01423 522 293 w: www.topping-engineers.com e: info@topping-engineers.com	Topping Engineers Ltd	File: 24399-CAL-C-002 - Tempo Network: Storm Chris George 21/07/2025	Page 3 24399-CAL-C-002 - P1 Jewson Huddersfield Drainage Calculations					
Results for 2 year Critical Storm Duration. Lowest mass balance: 100.00%								
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	1	13	59.601	0.196	10.9	1.0536	0.0000	FLOOD RISK
15 minute winter	2	14	59.566	0.226	9.2	1.1485	0.0000	FLOOD RISK
30 minute winter	3	22	59.538	0.253	12.6	1.9797	0.0000	FLOOD RISK
30 minute winter	4	22	59.482	0.222	14.3	1.0634	0.0000	FLOOD RISK
15 minute winter	5	12	57.972	0.058	13.6	0.0661	0.0000	OK
60 minute winter	6	46	57.806	0.131	12.1	5.7681	0.0000	OK
60 minute winter	8	46	57.806	0.191	12.0	0.4858	0.0000	OK
60 minute winter	8_OUT	46	57.635	0.058	9.9	0.0000	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	1	1.000	2	9.2	0.599	1.130	0.5340	
15 minute winter	2	1.001	3	5.8	0.345	0.719	0.4539	
30 minute winter	3	1.002	4	10.5	0.597	1.344	0.2229	
30 minute winter	4	1.003	5	13.6	0.810	1.743	0.3902	
15 minute winter	5	1.004	6	13.6	2.100	0.125	0.0689	
60 minute winter	6	1.005	8	12.0	0.483	0.193	0.1260	
60 minute winter	8	1.006	8_OUT	9.9	1.077	0.148	0.0212	23.0
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