

139 Cranley Gardens:	Date: 20/08/2026		
	Designed by: CE	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase	SYMMETRYS:		



Porous Paving FG

Type : Porous Paving

Dimensions	
Exceedance Level (m)	11.980
Depth (m)	0.200
Base Level (m)	11.780
Paving Layer Depth (mm)	80
Membrane Percolation (m/hr)	3.0
Porosity (%)	30
Length (m)	9.000
Long. Slope (1:X)	200.00
Width (m)	6.700
Total Volume (m³)	2.199
Under Drain	
Height Above Base (m)	0.000
Diameter (mm)	75
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015
Inlets	
Inlet (1)	
Inlet Type	Lateral Inflow
Incoming Item(s)	Catchment Area (5) Catchment Area (4)
Bypass Destination	(None)
Capacity Type	No Restriction
Outlets	
Outlet	
Outgoing Connection	Pipe (3)
Outlet Type	Free Discharge
Advanced	
Conductivity (m/hr)	250.0

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Porous Paving P

Type : Porous Paving

Dimensions	
Exceedance Level (m)	11.280
Depth (m)	0.590
Base Level (m)	10.690
Paving Layer Depth (mm)	80
Membrane Percolation (m/hr)	3.0
Porosity (%)	95
Length (m)	10.000
Long. Slope (1:X)	500.00
Width (m)	2.300
Total Volume (m³)	11.144
Inlets	
Inlet (1)	
Inlet Type	Lateral Inflow
Incoming Item(s)	Catchment Area Catchment Area (1)
Bypass Destination	(None)
Capacity Type	No Restriction
Outlets	
Outlet	
Outgoing Connection	Pipe (4)
Outlet Type	Free Discharge
Advanced	
Conductivity (m/hr)	250.0

139 Cranley Gardens:	Date: 20/08/2026			
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Report Details: Type: Connections Storm Phase: Phase	SYMMETRYS:			

Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)
Pipe	16.766	Pipe	99.798		0.6	150	11.280	10.580
Pipe (1)	4.079	Pipe	57.451		0.6	150	11.820	10.412
Pipe (2)	3.785	Pipe	80.000		0.6	150	12.150	10.341
Pipe (3)	2.963	Pipe	2.059		0.6	100	12.025	11.780
Pipe (4)	6.088	Pipe	55.341		0.6	100	11.300	10.690

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)	Velocity (m/s)	Culvert Type	Culvert Entrance
Pipe	11.820	10.412		None			(None)	(None)
Pipe (1)	12.150	10.341		None			(None)	(None)
Pipe (2)	12.180	10.294		None	3.3		(None)	(None)
Pipe (3)	12.150	10.341		None			(None)	(None)
Pipe (4)	11.280	10.580		None			(None)	(None)

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Report Details: Type: Inflow Summary Storm Phase: Phase	SYMMETRYS:		



Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	Porous Paving P		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (1)	Porous Paving P		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (2)	SWMH02		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (3)	SWMH02		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (4)	Porous Paving FG		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (4) (1)	SWMH02		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (5)	Porous Paving FG		Time of Concentration	0.007	100	0	100	0.007
TOTAL		0.0		0.031				0.031

139 Cranley Gardens:	Date: 20/08/2026			
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Report Details: Type: Network Design Criteria Storm Phase: Phase	SYMMETRYS:			

Flow Options

Peak Flow Calculation	(UK) Modified Rational Method
Min. Time of Entry (mins)	5
Max. Travel Time (mins)	30

Pipe Options

Lock Slope Options	None
Design Options	Minimise Excavation
Design Level	Level Soffits
Min. Cover Depth (m)	1.200
Min. Slope (1:X)	500.00
Max. Slope (1:X)	40.00
Min. Velocity (m/s)	1.0
Max. Velocity (m/s)	3.0
Use Flow Restriction	☐
Reduce Channel Depths	☐

Pipe Size Library

Default

Add. Increment (mm)	75
Max. Diameter (mm)	0

Diameter (mm)	Min. Slope (1:X)	Max. Slope (1:X)
100	0.00	0.00
150	0.00	0.00

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Manhole Options

Apply Offset	☐
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Manhole Size Library

Default

Diameter / Width

Connection (mm)	Diameter / Length (m)	Width (m)
0	1.200	0.000
375	1.350	0.000
500	1.500	0.000
750	1.800	0.000

Additional Sizing

Connection (mm)	900
Diameter / Length (m)	0.900
Width (m)	0.000

Depth

Depth (m)	Diameter / Length (m)	Width (m)
0.000	1.050	0.000
1.500	1.200	0.000

Access

Depth (m)	Ladder Protrusion (mm)
0.000	130
3.000	230

Benching Requirements

Landing Width (mm)	500
Benching Width (mm)	225

139 Cranley Gardens:	Date: 20/08/2026			
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	Report Details: Type: Outfall Details Storm Phase: Phase			
		SYMMETRYS:		

Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
EXMH001	Free Discharge			

139 Cranley Gardens:	Date: 20/08/2026			
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Report Title: Rainfall Analysis Criteria	SYMMETRYS:			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall

FEH		Type: FEH
Site Location	GB 529208 189048 TQ 29208 89048	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

Return Period (years)	Increase Rainfall (%)
100.0	40.000
2.0	0.000
30.0	35.000
10.0	0.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880
2160	4320
2880	5760
4320	8640
5760	11520
7200	14400
8640	17280
10080	20160

139 Cranley Gardens:	Date: 20/08/2026			
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Report Details: Type: Junctions Summary Storm Phase: Phase	SYMMETRYS:			



FEH: 100 years: Increase Rainfall (%): +40: Summary Results for SWMH01: Rank By: Max. Flooded Volume

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +40 %: 15 mins: Summer	11.280	10.580	11.130	0.550	9.6	0.182	0.000	1.8	4.267	Flood Risk
FEH: 100 years: +40 %: 15 mins: Winter	11.280	10.580	11.122	0.542	9.2	0.180	0.000	1.8	4.244	Flood Risk
FEH: 100 years: +40 %: 30 mins: Summer	11.280	10.580	11.193	0.613	7.4	0.204	0.000	2.0	7.343	Flood Risk
FEH: 100 years: +40 %: 30 mins: Winter	11.280	10.580	11.194	0.614	6.8	0.204	0.000	2.0	7.320	Flood Risk
FEH: 100 years: +40 %: 60 mins: Summer	11.280	10.580	11.196	0.616	6.0	0.204	0.000	2.1	11.687	Flood Risk
FEH: 100 years: +40 %: 60 mins: Winter	11.280	10.580	11.188	0.608	4.7	0.202	0.000	2.1	11.501	Flood Risk
FEH: 100 years: +40 %: 120 mins: Summer	11.280	10.580	11.186	0.606	4.3	0.201	0.000	2.0	14.288	Flood Risk
FEH: 100 years: +40 %: 120 mins: Winter	11.280	10.580	11.154	0.574	2.6	0.191	0.000	2.0	13.230	Flood Risk
FEH: 100 years: +40 %: 180 mins: Summer	11.280	10.580	11.150	0.570	3.1	0.189	0.000	1.8	14.665	Flood Risk
FEH: 100 years: +40 %: 180 mins: Winter	11.280	10.580	11.098	0.518	1.7	0.172	0.000	1.8	12.947	Flood Risk
FEH: 100 years: +40 %: 240 mins: Summer	11.280	10.580	11.110	0.530	2.3	0.176	0.000	1.5	14.475	Flood Risk
FEH: 100 years: +40 %: 240 mins: Winter	11.280	10.580	11.037	0.457	1.4	0.152	0.000	1.6	12.168	Flood Risk
FEH: 100 years: +40 %: 360 mins: Summer	11.280	10.580	11.027	0.447	1.4	0.149	0.000	1.4	13.540	Flood Risk
FEH: 100 years: +40 %: 360 mins: Winter	11.280	10.580	10.916	0.336	1.2	0.112	0.000	1.3	10.991	Surcharged
FEH: 100 years: +40 %: 480 mins: Summer	11.280	10.580	10.948	0.368	1.2	0.122	0.000	1.3	12.743	Surcharged
FEH: 100 years: +40 %: 480 mins: Winter	11.280	10.580	10.601	0.021	0.8	0.007	0.000	0.8	10.839	OK
FEH: 100 years: +40 %: 600 mins: Summer	11.280	10.580	10.872	0.292	1.1	0.097	0.000	1.2	12.162	Surcharged
FEH: 100 years: +40 %: 600 mins: Winter	11.280	10.580	10.599	0.019	0.7	0.006	0.000	0.7	11.387	OK
FEH: 100 years: +40 %: 720 mins: Summer	11.280	10.580	10.801	0.221	1.0	0.073	0.000	1.0	11.970	Surcharged
FEH: 100 years: +40 %: 720 mins: Winter	11.280	10.580	10.598	0.018	0.6	0.006	0.000	0.6	11.901	OK
FEH: 100 years: +40 %: 960 mins: Summer	11.280	10.580	10.599	0.019	0.7	0.006	0.000	0.7	12.425	OK
FEH: 100 years: +40 %: 960 mins: Winter	11.280	10.580	10.597	0.017	0.5	0.006	0.000	0.5	12.473	OK

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FEH: 100 years: +40 %: 1440 mins: Summer	11.280	10.580	10.597	0.017	0.5	0.006	0.000	0.5	13.285	OK
FEH: 100 years: +40 %: 1440 mins: Winter	11.280	10.580	10.595	0.015	0.4	0.005	0.000	0.4	13.172	OK
FEH: 100 years: +40 %: 2160 mins: Summer	11.280	10.580	10.595	0.015	0.4	0.005	0.000	0.4	13.751	OK
FEH: 100 years: +40 %: 2160 mins: Winter	11.280	10.580	10.593	0.013	0.3	0.004	0.000	0.3	13.680	OK
FEH: 100 years: +40 %: 2880 mins: Summer	11.280	10.580	10.594	0.014	0.3	0.005	0.000	0.3	14.271	OK
FEH: 100 years: +40 %: 2880 mins: Winter	11.280	10.580	10.592	0.012	0.2	0.004	0.000	0.2	14.427	OK
FEH: 100 years: +40 %: 4320 mins: Summer	11.280	10.580	10.592	0.012	0.2	0.004	0.000	0.2	15.346	OK
FEH: 100 years: +40 %: 4320 mins: Winter	11.280	10.580	10.590	0.010	0.1	0.003	0.000	0.1	15.190	OK
FEH: 100 years: +40 %: 5760 mins: Summer	11.280	10.580	10.591	0.011	0.2	0.004	0.000	0.2	15.484	OK
FEH: 100 years: +40 %: 5760 mins: Winter	11.280	10.580	10.589	0.009	0.1	0.003	0.000	0.1	15.616	OK
FEH: 100 years: +40 %: 7200 mins: Summer	11.280	10.580	10.590	0.010	0.1	0.003	0.000	0.1	15.958	OK
FEH: 100 years: +40 %: 7200 mins: Winter	11.280	10.580	10.588	0.008	0.1	0.003	0.000	0.1	15.718	OK
FEH: 100 years: +40 %: 8640 mins: Summer	11.280	10.580	10.589	0.009	0.1	0.003	0.000	0.1	16.270	OK
FEH: 100 years: +40 %: 8640 mins: Winter	11.280	10.580	10.587	0.007	0.1	0.002	0.000	0.1	16.060	OK
FEH: 100 years: +40 %: 10080 mins: Summer	11.280	10.580	10.589	0.009	0.1	0.003	0.000	0.1	17.044	OK
FEH: 100 years: +40 %: 10080 mins: Winter	11.280	10.580	10.587	0.007	0.1	0.002	0.000	0.1	16.918	OK

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FEH: 100 years: Increase Rainfall (%): +40: Summary Results for SWMH02: Rank By: Max. Flooded Volume

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +40 %: 15 mins: Summer	11.820	10.412	11.137	0.725	11.9	0.241	0.000	2.1	5.584	Surcharged
FEH: 100 years: +40 %: 15 mins: Winter	11.820	10.412	11.131	0.719	11.2	0.239	0.000	2.1	5.554	Surcharged
FEH: 100 years: +40 %: 30 mins: Summer	11.820	10.412	11.193	0.781	8.3	0.259	0.000	2.2	9.319	Surcharged
FEH: 100 years: +40 %: 30 mins: Winter	11.820	10.412	11.193	0.781	7.7	0.259	0.000	2.2	9.242	Surcharged
FEH: 100 years: +40 %: 60 mins: Summer	11.820	10.412	11.195	0.783	6.8	0.260	0.000	2.2	15.016	Surcharged
FEH: 100 years: +40 %: 60 mins: Winter	11.820	10.412	11.188	0.776	5.3	0.258	0.000	2.3	14.715	Surcharged
FEH: 100 years: +40 %: 120 mins: Summer	11.820	10.412	11.185	0.773	4.9	0.257	0.000	2.2	19.700	Surcharged
FEH: 100 years: +40 %: 120 mins: Winter	11.820	10.412	11.154	0.742	3.0	0.246	0.000	2.2	18.715	Surcharged
FEH: 100 years: +40 %: 180 mins: Summer	11.820	10.412	11.149	0.737	3.5	0.245	0.000	2.0	21.469	Surcharged
FEH: 100 years: +40 %: 180 mins: Winter	11.820	10.412	11.098	0.686	2.3	0.228	0.000	2.0	20.488	Surcharged
FEH: 100 years: +40 %: 240 mins: Summer	11.820	10.412	11.110	0.698	2.8	0.232	0.000	2.0	22.573	Surcharged
FEH: 100 years: +40 %: 240 mins: Winter	11.820	10.412	11.037	0.625	2.1	0.207	0.000	1.9	21.384	Surcharged
FEH: 100 years: +40 %: 360 mins: Summer	11.820	10.412	11.027	0.615	2.2	0.204	0.000	1.9	23.860	Surcharged
FEH: 100 years: +40 %: 360 mins: Winter	11.820	10.412	10.916	0.504	2.0	0.167	0.000	1.9	22.517	Surcharged
FEH: 100 years: +40 %: 480 mins: Summer	11.820	10.412	10.948	0.536	2.0	0.178	0.000	1.9	24.588	Surcharged
FEH: 100 years: +40 %: 480 mins: Winter	11.820	10.412	10.558	0.146	1.9	0.049	0.000	1.9	23.521	OK
FEH: 100 years: +40 %: 600 mins: Summer	11.820	10.412	10.872	0.460	2.1	0.153	0.000	1.9	25.058	Surcharged
FEH: 100 years: +40 %: 600 mins: Winter	11.820	10.412	10.515	0.103	1.6	0.034	0.000	1.6	24.549	OK
FEH: 100 years: +40 %: 720 mins: Summer	11.820	10.412	10.800	0.388	2.0	0.129	0.000	1.9	25.516	Surcharged
FEH: 100 years: +40 %: 720 mins: Winter	11.820	10.412	10.489	0.077	1.4	0.026	0.000	1.4	25.470	OK
FEH: 100 years: +40 %: 960 mins: Summer	11.820	10.412	10.522	0.110	1.6	0.037	0.000	1.6	26.715	OK
FEH: 100 years: +40 %: 960 mins: Winter	11.820	10.412	10.459	0.047	1.1	0.016	0.000	1.1	26.583	OK

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FEH: 100 years: +40 %: 1440 mins: Summer	11.820	10.412	10.468	0.056	1.2	0.019	0.000	1.2	28.362	OK
FEH: 100 years: +40 %: 1440 mins: Winter	11.820	10.412	10.434	0.022	0.8	0.007	0.000	0.8	28.084	OK
FEH: 100 years: +40 %: 2160 mins: Summer	11.820	10.412	10.438	0.026	0.9	0.009	0.000	0.9	29.470	OK
FEH: 100 years: +40 %: 2160 mins: Winter	11.820	10.412	10.427	0.015	0.6	0.005	0.000	0.6	29.561	OK
FEH: 100 years: +40 %: 2880 mins: Summer	11.820	10.412	10.429	0.017	0.7	0.006	0.000	0.7	30.224	OK
FEH: 100 years: +40 %: 2880 mins: Winter	11.820	10.412	10.426	0.014	0.4	0.005	0.000	0.4	30.518	OK
FEH: 100 years: +40 %: 4320 mins: Summer	11.820	10.412	10.426	0.014	0.5	0.005	0.000	0.5	32.632	OK
FEH: 100 years: +40 %: 4320 mins: Winter	11.820	10.412	10.423	0.011	0.3	0.004	0.000	0.3	32.140	OK
FEH: 100 years: +40 %: 5760 mins: Summer	11.820	10.412	10.425	0.013	0.4	0.004	0.000	0.4	34.372	OK
FEH: 100 years: +40 %: 5760 mins: Winter	11.820	10.412	10.422	0.010	0.2	0.003	0.000	0.2	34.138	OK
FEH: 100 years: +40 %: 7200 mins: Summer	11.820	10.412	10.424	0.012	0.3	0.004	0.000	0.3	35.056	OK
FEH: 100 years: +40 %: 7200 mins: Winter	11.820	10.412	10.421	0.009	0.2	0.003	0.000	0.2	35.164	OK
FEH: 100 years: +40 %: 8640 mins: Summer	11.820	10.412	10.423	0.011	0.3	0.004	0.000	0.3	35.332	OK
FEH: 100 years: +40 %: 8640 mins: Winter	11.820	10.412	10.421	0.009	0.2	0.003	0.000	0.2	35.854	OK
FEH: 100 years: +40 %: 10080 mins: Summer	11.820	10.412	10.422	0.010	0.2	0.003	0.000	0.2	35.428	OK
FEH: 100 years: +40 %: 10080 mins: Winter	11.820	10.412	10.420	0.008	0.1	0.003	0.000	0.1	36.028	OK

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FEH: 100 years: Increase Rainfall (%): +40: Summary Results for SWMH03-FC: Rank By: Max. Flooded Volume

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +40 %: 15 mins: Summer	12.150	10.341	11.138	0.797	6.5	0.901	0.000	2.8	4.958	Surcharged
FEH: 100 years: +40 %: 15 mins: Winter	12.150	10.341	11.131	0.790	6.2	0.893	0.000	2.7	4.951	Surcharged
FEH: 100 years: +40 %: 30 mins: Summer	12.150	10.341	11.192	0.851	5.4	0.963	0.000	2.9	9.297	Surcharged
FEH: 100 years: +40 %: 30 mins: Winter	12.150	10.341	11.193	0.852	5.1	0.963	0.000	2.9	9.240	Surcharged
FEH: 100 years: +40 %: 60 mins: Summer	12.150	10.341	11.195	0.854	4.7	0.966	0.000	2.9	16.537	Surcharged
FEH: 100 years: +40 %: 60 mins: Winter	12.150	10.341	11.188	0.847	4.1	0.958	0.000	2.8	16.327	Surcharged
FEH: 100 years: +40 %: 120 mins: Summer	12.150	10.341	11.185	0.844	3.8	0.955	0.000	3.0	23.674	Surcharged
FEH: 100 years: +40 %: 120 mins: Winter	12.150	10.341	11.153	0.812	3.3	0.919	0.000	2.9	23.240	Surcharged
FEH: 100 years: +40 %: 180 mins: Summer	12.150	10.341	11.149	0.808	3.1	0.914	0.000	2.8	27.165	Surcharged
FEH: 100 years: +40 %: 180 mins: Winter	12.150	10.341	11.097	0.756	3.1	0.856	0.000	3.0	27.124	Surcharged
FEH: 100 years: +40 %: 240 mins: Summer	12.150	10.341	11.110	0.769	3.3	0.869	0.000	3.0	29.770	Surcharged
FEH: 100 years: +40 %: 240 mins: Winter	12.150	10.341	11.036	0.695	3.2	0.786	0.000	3.0	29.775	Surcharged
FEH: 100 years: +40 %: 360 mins: Summer	12.150	10.341	11.027	0.686	3.2	0.775	0.000	3.0	33.309	Surcharged
FEH: 100 years: +40 %: 360 mins: Winter	12.150	10.341	10.916	0.575	3.0	0.650	0.000	3.0	33.343	Surcharged
FEH: 100 years: +40 %: 480 mins: Summer	12.150	10.341	10.948	0.607	3.1	0.686	0.000	2.9	35.650	Surcharged
FEH: 100 years: +40 %: 480 mins: Winter	12.150	10.341	10.558	0.217	2.9	0.245	0.000	2.9	35.645	Surcharged
FEH: 100 years: +40 %: 600 mins: Summer	12.150	10.341	10.872	0.531	3.1	0.600	0.000	2.9	37.255	Surcharged
FEH: 100 years: +40 %: 600 mins: Winter	12.150	10.341	10.514	0.173	2.5	0.196	0.000	2.5	37.180	Surcharged
FEH: 100 years: +40 %: 720 mins: Summer	12.150	10.341	10.800	0.459	3.1	0.519	0.000	3.0	38.490	Surcharged
FEH: 100 years: +40 %: 720 mins: Winter	12.150	10.341	10.489	0.148	2.1	0.167	0.000	2.1	38.542	OK
FEH: 100 years: +40 %: 960 mins: Summer	12.150	10.341	10.522	0.181	2.6	0.204	0.000	2.6	40.345	Surcharged
FEH: 100 years: +40 %: 960 mins: Winter	12.150	10.341	10.458	0.117	1.7	0.133	0.000	1.7	40.258	OK

139 Cranley Gardens:	Date: 20/08/2026		
	Designed by: CE	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	SYMMETRYS:		



FEH: 100 years: +40 %: 1440 mins: Summer	12.150	10.341	10.467	0.126	1.8	0.143	0.000	1.8	42.753	OK
FEH: 100 years: +40 %: 1440 mins: Winter	12.150	10.341	10.432	0.091	1.2	0.102	0.000	1.2	42.619	OK
FEH: 100 years: +40 %: 2160 mins: Summer	12.150	10.341	10.436	0.095	1.3	0.108	0.000	1.3	44.522	OK
FEH: 100 years: +40 %: 2160 mins: Winter	12.150	10.341	10.414	0.073	0.9	0.083	0.000	0.9	44.535	OK
FEH: 100 years: +40 %: 2880 mins: Summer	12.150	10.341	10.422	0.081	1.0	0.092	0.000	1.0	45.655	OK
FEH: 100 years: +40 %: 2880 mins: Winter	12.150	10.341	10.403	0.062	0.7	0.070	0.000	0.7	45.997	OK
FEH: 100 years: +40 %: 4320 mins: Summer	12.150	10.341	10.406	0.065	0.7	0.074	0.000	0.7	48.914	OK
FEH: 100 years: +40 %: 4320 mins: Winter	12.150	10.341	10.392	0.051	0.5	0.058	0.000	0.5	48.470	OK
FEH: 100 years: +40 %: 5760 mins: Summer	12.150	10.341	10.398	0.057	0.6	0.064	0.000	0.6	51.470	OK
FEH: 100 years: +40 %: 5760 mins: Winter	12.150	10.341	10.386	0.045	0.4	0.051	0.000	0.4	51.056	OK
FEH: 100 years: +40 %: 7200 mins: Summer	12.150	10.341	10.392	0.051	0.5	0.058	0.000	0.5	53.120	OK
FEH: 100 years: +40 %: 7200 mins: Winter	12.150	10.341	10.382	0.041	0.3	0.047	0.000	0.3	53.042	OK
FEH: 100 years: +40 %: 8640 mins: Summer	12.150	10.341	10.389	0.048	0.4	0.055	0.000	0.4	53.882	OK
FEH: 100 years: +40 %: 8640 mins: Winter	12.150	10.341	10.380	0.039	0.3	0.044	0.000	0.3	54.620	OK
FEH: 100 years: +40 %: 10080 mins: Summer	12.150	10.341	10.386	0.045	0.4	0.051	0.000	0.4	54.548	OK
FEH: 100 years: +40 %: 10080 mins: Winter	12.150	10.341	10.376	0.035	0.2	0.040	0.000	0.2	55.742	OK

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Junctions Summary Storm Phase: Phase	SYMMETRYS:			



FEH: 100 years: Increase Rainfall (%): +40: Summary Results for EXMH001: Rank By: Max. Flooded Volume

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +40 %: 15 mins: Summer	12.180	10.294	10.331	0.038	2.8	0.000	0.000	2.8	4.003	OK
FEH: 100 years: +40 %: 15 mins: Winter	12.180	10.294	10.331	0.038	2.7	0.000	0.000	2.7	4.026	OK
FEH: 100 years: +40 %: 30 mins: Summer	12.180	10.294	10.332	0.038	2.9	0.000	0.000	2.9	8.295	OK
FEH: 100 years: +40 %: 30 mins: Winter	12.180	10.294	10.332	0.038	2.9	0.000	0.000	2.9	8.297	OK
FEH: 100 years: +40 %: 60 mins: Summer	12.180	10.294	10.332	0.038	2.9	0.000	0.000	2.9	15.719	OK
FEH: 100 years: +40 %: 60 mins: Winter	12.180	10.294	10.332	0.038	2.8	0.000	0.000	2.8	15.698	OK
FEH: 100 years: +40 %: 120 mins: Summer	12.180	10.294	10.333	0.039	3.0	0.000	0.000	3.0	23.235	OK
FEH: 100 years: +40 %: 120 mins: Winter	12.180	10.294	10.332	0.039	2.9	0.000	0.000	2.9	23.221	OK
FEH: 100 years: +40 %: 180 mins: Summer	12.180	10.294	10.331	0.038	2.8	0.000	0.000	2.8	27.063	OK
FEH: 100 years: +40 %: 180 mins: Winter	12.180	10.294	10.332	0.038	2.8	0.000	0.000	2.8	27.115	OK
FEH: 100 years: +40 %: 240 mins: Summer	12.180	10.294	10.333	0.039	3.0	0.000	0.000	3.0	29.764	OK
FEH: 100 years: +40 %: 240 mins: Winter	12.180	10.294	10.333	0.039	3.0	0.000	0.000	3.0	29.769	OK
FEH: 100 years: +40 %: 360 mins: Summer	12.180	10.294	10.333	0.039	3.0	0.000	0.000	3.0	33.305	OK
FEH: 100 years: +40 %: 360 mins: Winter	12.180	10.294	10.333	0.039	3.0	0.000	0.000	3.0	33.340	OK
FEH: 100 years: +40 %: 480 mins: Summer	12.180	10.294	10.332	0.039	2.9	0.000	0.000	2.9	35.647	OK
FEH: 100 years: +40 %: 480 mins: Winter	12.180	10.294	10.332	0.039	2.9	0.000	0.000	2.9	35.642	OK
FEH: 100 years: +40 %: 600 mins: Summer	12.180	10.294	10.332	0.039	2.9	0.000	0.000	2.9	37.252	OK
FEH: 100 years: +40 %: 600 mins: Winter	12.180	10.294	10.329	0.036	2.5	0.000	0.000	2.5	37.178	OK
FEH: 100 years: +40 %: 720 mins: Summer	12.180	10.294	10.333	0.039	3.0	0.000	0.000	3.0	38.488	OK
FEH: 100 years: +40 %: 720 mins: Winter	12.180	10.294	10.327	0.033	2.1	0.000	0.000	2.1	38.540	OK
FEH: 100 years: +40 %: 960 mins: Summer	12.180	10.294	10.330	0.036	2.6	0.000	0.000	2.6	40.343	OK
FEH: 100 years: +40 %: 960 mins: Winter	12.180	10.294	10.323	0.030	1.7	0.000	0.000	1.7	40.257	OK

139 Cranley Gardens:	Date: 20/08/2026		
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FEH: 100 years: +40 %: 1440 mins: Summer	12.180	10.294	10.324	0.031	1.8	0.000	0.000	1.8	42.751	OK
FEH: 100 years: +40 %: 1440 mins: Winter	12.180	10.294	10.319	0.025	1.2	0.000	0.000	1.2	42.617	OK
FEH: 100 years: +40 %: 2160 mins: Summer	12.180	10.294	10.320	0.026	1.3	0.000	0.000	1.3	44.521	OK
FEH: 100 years: +40 %: 2160 mins: Winter	12.180	10.294	10.315	0.021	0.9	0.000	0.000	0.9	44.534	OK
FEH: 100 years: +40 %: 2880 mins: Summer	12.180	10.294	10.317	0.023	1.0	0.000	0.000	1.0	45.654	OK
FEH: 100 years: +40 %: 2880 mins: Winter	12.180	10.294	10.312	0.019	0.7	0.000	0.000	0.7	45.997	OK
FEH: 100 years: +40 %: 4320 mins: Summer	12.180	10.294	10.313	0.019	0.7	0.000	0.000	0.7	48.914	OK
FEH: 100 years: +40 %: 4320 mins: Winter	12.180	10.294	10.309	0.016	0.5	0.000	0.000	0.5	48.470	OK
FEH: 100 years: +40 %: 5760 mins: Summer	12.180	10.294	10.311	0.017	0.6	0.000	0.000	0.6	51.469	OK
FEH: 100 years: +40 %: 5760 mins: Winter	12.180	10.294	10.308	0.014	0.4	0.000	0.000	0.4	51.056	OK
FEH: 100 years: +40 %: 7200 mins: Summer	12.180	10.294	10.309	0.016	0.5	0.000	0.000	0.5	53.120	OK
FEH: 100 years: +40 %: 7200 mins: Winter	12.180	10.294	10.307	0.013	0.3	0.000	0.000	0.3	53.042	OK
FEH: 100 years: +40 %: 8640 mins: Summer	12.180	10.294	10.309	0.015	0.4	0.000	0.000	0.4	53.882	OK
FEH: 100 years: +40 %: 8640 mins: Winter	12.180	10.294	10.306	0.012	0.3	0.000	0.000	0.3	54.620	OK
FEH: 100 years: +40 %: 10080 mins: Summer	12.180	10.294	10.308	0.014	0.4	0.000	0.000	0.4	54.548	OK
FEH: 100 years: +40 %: 10080 mins: Winter	12.180	10.294	10.305	0.011	0.2	0.000	0.000	0.2	55.742	OK

139 Cranley Gardens:	Date: 20/08/2026		
	Designed by: CE	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	SYMMETRYS:		





FEH: 2 years: Increase Rainfall (%): +0: Summary Results for SWMH01: Rank By: Max. Flooded Volume

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	11.280	10.580	10.597	0.017	0.5	0.006	0.000	0.5	0.358	OK
FEH: 2 years: +0 %: 15 mins: Winter	11.280	10.580	10.597	0.017	0.5	0.006	0.000	0.5	0.354	OK
FEH: 2 years: +0 %: 30 mins: Summer	11.280	10.580	10.597	0.017	0.5	0.006	0.000	0.5	0.530	OK
FEH: 2 years: +0 %: 30 mins: Winter	11.280	10.580	10.597	0.017	0.5	0.006	0.000	0.5	0.533	OK
FEH: 2 years: +0 %: 60 mins: Summer	11.280	10.580	10.596	0.016	0.5	0.005	0.000	0.5	0.739	OK
FEH: 2 years: +0 %: 60 mins: Winter	11.280	10.580	10.595	0.015	0.4	0.005	0.000	0.4	0.739	OK
FEH: 2 years: +0 %: 120 mins: Summer	11.280	10.580	10.596	0.016	0.4	0.005	0.000	0.4	1.281	OK
FEH: 2 years: +0 %: 120 mins: Winter	11.280	10.580	10.594	0.014	0.3	0.005	0.000	0.3	1.262	OK
FEH: 2 years: +0 %: 180 mins: Summer	11.280	10.580	10.594	0.014	0.4	0.005	0.000	0.4	1.671	OK
FEH: 2 years: +0 %: 180 mins: Winter	11.280	10.580	10.593	0.013	0.3	0.004	0.000	0.3	1.675	OK
FEH: 2 years: +0 %: 240 mins: Summer	11.280	10.580	10.594	0.014	0.3	0.005	0.000	0.3	1.981	OK
FEH: 2 years: +0 %: 240 mins: Winter	11.280	10.580	10.592	0.012	0.2	0.004	0.000	0.2	1.964	OK
FEH: 2 years: +0 %: 360 mins: Summer	11.280	10.580	10.593	0.013	0.3	0.004	0.000	0.3	2.394	OK
FEH: 2 years: +0 %: 360 mins: Winter	11.280	10.580	10.591	0.011	0.2	0.004	0.000	0.2	2.399	OK
FEH: 2 years: +0 %: 480 mins: Summer	11.280	10.580	10.592	0.012	0.2	0.004	0.000	0.2	2.635	OK
FEH: 2 years: +0 %: 480 mins: Winter	11.280	10.580	10.590	0.010	0.2	0.003	0.000	0.2	2.611	OK
FEH: 2 years: +0 %: 600 mins: Summer	11.280	10.580	10.591	0.011	0.2	0.004	0.000	0.2	2.829	OK
FEH: 2 years: +0 %: 600 mins: Winter	11.280	10.580	10.590	0.010	0.1	0.003	0.000	0.1	2.852	OK
FEH: 2 years: +0 %: 720 mins: Summer	11.280	10.580	10.591	0.011	0.2	0.004	0.000	0.2	3.025	OK
FEH: 2 years: +0 %: 720 mins: Winter	11.280	10.580	10.589	0.009	0.1	0.003	0.000	0.1	2.961	OK
FEH: 2 years: +0 %: 960 mins: Summer	11.280	10.580	10.590	0.010	0.2	0.003	0.000	0.2	3.301	OK
FEH: 2 years: +0 %: 960 mins: Winter	11.280	10.580	10.589	0.009	0.1	0.003	0.000	0.1	3.265	OK
FEH: 2 years: +0 %: 1440 mins: Summer	11.280	10.580	10.589	0.009	0.1	0.003	0.000	0.1	3.498	OK
FEH: 2 years: +0 %: 1440 mins: Winter	11.280	10.580	10.588	0.008	0.1	0.003	0.000	0.1	3.563	OK
FEH: 2 years: +0 %: 2160 mins: Summer	11.280	10.580	10.588	0.008	0.1	0.003	0.000	0.1	3.769	OK
FEH: 2 years: +0 %: 2160 mins: Winter	11.280	10.580	10.587	0.007	0.1	0.002	0.000	0.1	3.710	OK

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FEH: 2 years: +0 %: 2880 mins: Summer	11.280	10.580	10.587	0.007	0.1	0.002	0.000	0.1	4.201	OK
FEH: 2 years: +0 %: 2880 mins: Winter	11.280	10.580	10.586	0.006	0.1	0.002	0.000	0.1	4.099	OK
FEH: 2 years: +0 %: 4320 mins: Summer	11.280	10.580	10.586	0.006	0.1	0.002	0.000	0.1	4.342	OK
FEH: 2 years: +0 %: 4320 mins: Winter	11.280	10.580	10.585	0.005	0.0	0.002	0.000	0.0	4.660	OK
FEH: 2 years: +0 %: 5760 mins: Summer	11.280	10.580	10.586	0.006	0.1	0.002	0.000	0.1	4.354	OK
FEH: 2 years: +0 %: 5760 mins: Winter	11.280	10.580	10.585	0.005	0.0	0.002	0.000	0.0	4.558	OK
FEH: 2 years: +0 %: 7200 mins: Summer	11.280	10.580	10.586	0.006	0.1	0.002	0.000	0.1	4.654	OK
FEH: 2 years: +0 %: 7200 mins: Winter	11.280	10.580	10.584	0.004	0.0	0.001	0.000	0.0	4.660	OK
FEH: 2 years: +0 %: 8640 mins: Summer	11.280	10.580	10.585	0.005	0.0	0.002	0.000	0.0	4.756	OK
FEH: 2 years: +0 %: 8640 mins: Winter	11.280	10.580	10.584	0.004	0.0	0.001	0.000	0.0	5.176	OK
FEH: 2 years: +0 %: 10080 mins: Summer	11.280	10.580	10.585	0.005	0.0	0.002	0.000	0.0	4.948	OK
FEH: 2 years: +0 %: 10080 mins: Winter	11.280	10.580	10.584	0.004	0.0	0.001	0.000	0.0	5.554	OK

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	Designed by: CE	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	SYMMETRYS:		





FEH: 2 years: Increase Rainfall (%): +0: Summary Results for SWMH02: Rank By: Max. Flooded Volume

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	11.820	10.412	10.522	0.110	2.5	0.037	0.000	1.6	1.292	OK
FEH: 2 years: +0 %: 15 mins: Winter	11.820	10.412	10.517	0.105	2.3	0.035	0.000	1.6	1.291	OK
FEH: 2 years: +0 %: 30 mins: Summer	11.820	10.412	10.511	0.099	1.9	0.033	0.000	1.6	1.718	OK
FEH: 2 years: +0 %: 30 mins: Winter	11.820	10.412	10.504	0.092	1.8	0.030	0.000	1.5	1.727	OK
FEH: 2 years: +0 %: 60 mins: Summer	11.820	10.412	10.495	0.083	1.6	0.027	0.000	1.4	2.180	OK
FEH: 2 years: +0 %: 60 mins: Winter	11.820	10.412	10.473	0.061	1.3	0.020	0.000	1.2	2.180	OK
FEH: 2 years: +0 %: 120 mins: Summer	11.820	10.412	10.485	0.073	1.4	0.024	0.000	1.3	3.359	OK
FEH: 2 years: +0 %: 120 mins: Winter	11.820	10.412	10.455	0.043	1.0	0.014	0.000	1.0	3.340	OK
FEH: 2 years: +0 %: 180 mins: Summer	11.820	10.412	10.466	0.054	1.2	0.018	0.000	1.1	4.127	OK
FEH: 2 years: +0 %: 180 mins: Winter	11.820	10.412	10.440	0.028	0.8	0.009	0.000	0.8	4.138	OK
FEH: 2 years: +0 %: 240 mins: Summer	11.820	10.412	10.454	0.042	1.0	0.014	0.000	1.0	4.702	OK
FEH: 2 years: +0 %: 240 mins: Winter	11.820	10.412	10.431	0.019	0.7	0.006	0.000	0.7	4.655	OK
FEH: 2 years: +0 %: 360 mins: Summer	11.820	10.412	10.437	0.025	0.8	0.008	0.000	0.8	5.452	OK
FEH: 2 years: +0 %: 360 mins: Winter	11.820	10.412	10.427	0.015	0.5	0.005	0.000	0.5	5.432	OK
FEH: 2 years: +0 %: 480 mins: Summer	11.820	10.412	10.429	0.017	0.7	0.006	0.000	0.7	5.885	OK
FEH: 2 years: +0 %: 480 mins: Winter	11.820	10.412	10.426	0.014	0.4	0.005	0.000	0.4	5.872	OK
FEH: 2 years: +0 %: 600 mins: Summer	11.820	10.412	10.427	0.015	0.6	0.005	0.000	0.6	6.228	OK
FEH: 2 years: +0 %: 600 mins: Winter	11.820	10.412	10.425	0.013	0.4	0.004	0.000	0.4	6.257	OK
FEH: 2 years: +0 %: 720 mins: Summer	11.820	10.412	10.426	0.014	0.5	0.005	0.000	0.5	6.545	OK
FEH: 2 years: +0 %: 720 mins: Winter	11.820	10.412	10.424	0.012	0.3	0.004	0.000	0.3	6.463	OK
FEH: 2 years: +0 %: 960 mins: Summer	11.820	10.412	10.425	0.013	0.4	0.004	0.000	0.4	7.146	OK
FEH: 2 years: +0 %: 960 mins: Winter	11.820	10.412	10.423	0.011	0.3	0.004	0.000	0.3	7.032	OK
FEH: 2 years: +0 %: 1440 mins: Summer	11.820	10.412	10.423	0.011	0.3	0.004	0.000	0.3	7.835	OK
FEH: 2 years: +0 %: 1440 mins: Winter	11.820	10.412	10.422	0.010	0.2	0.003	0.000	0.2	7.846	OK
FEH: 2 years: +0 %: 2160 mins: Summer	11.820	10.412	10.422	0.010	0.2	0.003	0.000	0.2	7.980	OK
FEH: 2 years: +0 %: 2160 mins: Winter	11.820	10.412	10.420	0.008	0.2	0.003	0.000	0.2	7.975	OK

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FEH: 2 years: +0 %: 2880 mins: Summer	11.820	10.412	10.421	0.009	0.2	0.003	0.000	0.2	8.274	OK
FEH: 2 years: +0 %: 2880 mins: Winter	11.820	10.412	10.420	0.008	0.1	0.003	0.000	0.1	8.281	OK
FEH: 2 years: +0 %: 4320 mins: Summer	11.820	10.412	10.420	0.008	0.1	0.003	0.000	0.1	8.530	OK
FEH: 2 years: +0 %: 4320 mins: Winter	11.820	10.412	10.419	0.007	0.1	0.002	0.000	0.1	9.016	OK
FEH: 2 years: +0 %: 5760 mins: Summer	11.820	10.412	10.420	0.008	0.1	0.003	0.000	0.1	8.644	OK
FEH: 2 years: +0 %: 5760 mins: Winter	11.820	10.412	10.418	0.006	0.1	0.002	0.000	0.1	9.190	OK
FEH: 2 years: +0 %: 7200 mins: Summer	11.820	10.412	10.419	0.007	0.1	0.002	0.000	0.1	9.232	OK
FEH: 2 years: +0 %: 7200 mins: Winter	11.820	10.412	10.417	0.005	0.1	0.002	0.000	0.1	9.496	OK
FEH: 2 years: +0 %: 8640 mins: Summer	11.820	10.412	10.419	0.007	0.1	0.002	0.000	0.1	9.622	OK
FEH: 2 years: +0 %: 8640 mins: Winter	11.820	10.412	10.417	0.005	0.1	0.002	0.000	0.1	10.570	OK
FEH: 2 years: +0 %: 10080 mins: Summer	11.820	10.412	10.418	0.006	0.1	0.002	0.000	0.1	9.910	OK
FEH: 2 years: +0 %: 10080 mins: Winter	11.820	10.412	10.417	0.005	0.1	0.002	0.000	0.1	11.362	OK

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Junctions Summary Storm Phase: Phase	SYMMETRYS:			



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for SWMH03-FC: Rank By: Max. Flooded Volume

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	12.150	10.341	10.522	0.181	2.7	0.205	0.000	2.6	1.998	Surcharged
FEH: 2 years: +0 %: 15 mins: Winter	12.150	10.341	10.517	0.176	2.6	0.199	0.000	2.5	1.993	Surcharged
FEH: 2 years: +0 %: 30 mins: Summer	12.150	10.341	10.511	0.170	2.7	0.192	0.000	2.4	2.751	Surcharged
FEH: 2 years: +0 %: 30 mins: Winter	12.150	10.341	10.503	0.162	2.5	0.183	0.000	2.3	2.755	Surcharged
FEH: 2 years: +0 %: 60 mins: Summer	12.150	10.341	10.494	0.153	2.4	0.173	0.000	2.2	3.494	Surcharged
FEH: 2 years: +0 %: 60 mins: Winter	12.150	10.341	10.472	0.131	2.0	0.149	0.000	1.9	3.501	OK
FEH: 2 years: +0 %: 120 mins: Summer	12.150	10.341	10.484	0.143	2.2	0.162	0.000	2.1	5.325	OK
FEH: 2 years: +0 %: 120 mins: Winter	12.150	10.341	10.453	0.112	1.6	0.127	0.000	1.6	5.301	OK
FEH: 2 years: +0 %: 180 mins: Summer	12.150	10.341	10.465	0.124	1.9	0.141	0.000	1.8	6.452	OK
FEH: 2 years: +0 %: 180 mins: Winter	12.150	10.341	10.438	0.097	1.3	0.110	0.000	1.3	6.488	OK
FEH: 2 years: +0 %: 240 mins: Summer	12.150	10.341	10.453	0.112	1.6	0.126	0.000	1.6	7.275	OK
FEH: 2 years: +0 %: 240 mins: Winter	12.150	10.341	10.428	0.087	1.2	0.099	0.000	1.1	7.253	OK
FEH: 2 years: +0 %: 360 mins: Summer	12.150	10.341	10.434	0.093	1.3	0.106	0.000	1.3	8.369	OK
FEH: 2 years: +0 %: 360 mins: Winter	12.150	10.341	10.415	0.074	0.9	0.083	0.000	0.9	8.355	OK
FEH: 2 years: +0 %: 480 mins: Summer	12.150	10.341	10.424	0.083	1.1	0.094	0.000	1.1	8.975	OK
FEH: 2 years: +0 %: 480 mins: Winter	12.150	10.341	10.406	0.065	0.7	0.073	0.000	0.7	8.999	OK
FEH: 2 years: +0 %: 600 mins: Summer	12.150	10.341	10.417	0.076	0.9	0.086	0.000	0.9	9.483	OK
FEH: 2 years: +0 %: 600 mins: Winter	12.150	10.341	10.400	0.059	0.6	0.067	0.000	0.6	9.536	OK
FEH: 2 years: +0 %: 720 mins: Summer	12.150	10.341	10.410	0.069	0.8	0.078	0.000	0.8	9.946	OK
FEH: 2 years: +0 %: 720 mins: Winter	12.150	10.341	10.396	0.055	0.5	0.062	0.000	0.5	9.816	OK
FEH: 2 years: +0 %: 960 mins: Summer	12.150	10.341	10.402	0.061	0.6	0.069	0.000	0.6	10.753	OK
FEH: 2 years: +0 %: 960 mins: Winter	12.150	10.341	10.390	0.049	0.4	0.055	0.000	0.4	10.664	OK
FEH: 2 years: +0 %: 1440 mins: Summer	12.150	10.341	10.393	0.052	0.5	0.059	0.000	0.5	11.835	OK
FEH: 2 years: +0 %: 1440 mins: Winter	12.150	10.341	10.383	0.042	0.3	0.047	0.000	0.3	11.738	OK
FEH: 2 years: +0 %: 2160 mins: Summer	12.150	10.341	10.385	0.044	0.3	0.049	0.000	0.3	12.275	OK
FEH: 2 years: +0 %: 2160 mins: Winter	12.150	10.341	10.376	0.035	0.2	0.040	0.000	0.2	12.377	OK

139 Cranley Gardens:	Date: 20/08/2026		
	Designed by: CE	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	SYMMETRYS:		



FEH: 2 years: +0 %: 2880 mins: Summer	12.150	10.341	10.381	0.040	0.3	0.045	0.000	0.3	12.905	OK
FEH: 2 years: +0 %: 2880 mins: Winter	12.150	10.341	10.373	0.032	0.2	0.036	0.000	0.2	12.671	OK
FEH: 2 years: +0 %: 4320 mins: Summer	12.150	10.341	10.376	0.035	0.2	0.039	0.000	0.2	13.202	OK
FEH: 2 years: +0 %: 4320 mins: Winter	12.150	10.341	10.370	0.029	0.1	0.032	0.000	0.1	14.150	OK
FEH: 2 years: +0 %: 5760 mins: Summer	12.150	10.341	10.373	0.032	0.2	0.036	0.000	0.2	13.484	OK
FEH: 2 years: +0 %: 5760 mins: Winter	12.150	10.341	10.368	0.027	0.1	0.030	0.000	0.1	14.018	OK
FEH: 2 years: +0 %: 7200 mins: Summer	12.150	10.341	10.372	0.031	0.2	0.035	0.000	0.2	14.240	OK
FEH: 2 years: +0 %: 7200 mins: Winter	12.150	10.341	10.363	0.022	0.1	0.024	0.000	0.1	14.588	OK
FEH: 2 years: +0 %: 8640 mins: Summer	12.150	10.341	10.370	0.029	0.1	0.032	0.000	0.1	14.804	OK
FEH: 2 years: +0 %: 8640 mins: Winter	12.150	10.341	10.363	0.022	0.1	0.024	0.000	0.1	16.064	OK
FEH: 2 years: +0 %: 10080 mins: Summer	12.150	10.341	10.369	0.028	0.1	0.031	0.000	0.1	15.350	OK
FEH: 2 years: +0 %: 10080 mins: Winter	12.150	10.341	10.363	0.022	0.1	0.024	0.000	0.1	17.288	OK

139 Cranley Gardens:	Date: 20/08/2026		
	Designed by: CE	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	SYMMETRYS:		





FEH: 2 years: Increase Rainfall (%): +0: Summary Results for EXMH001: Rank By: Max. Flooded Volume

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	12.180	10.294	10.330	0.036	2.6	0.000	0.000	2.6	1.985	OK
FEH: 2 years: +0 %: 15 mins: Winter	12.180	10.294	10.330	0.036	2.5	0.000	0.000	2.5	1.979	OK
FEH: 2 years: +0 %: 30 mins: Summer	12.180	10.294	10.329	0.035	2.4	0.000	0.000	2.4	2.743	OK
FEH: 2 years: +0 %: 30 mins: Winter	12.180	10.294	10.328	0.034	2.3	0.000	0.000	2.3	2.746	OK
FEH: 2 years: +0 %: 60 mins: Summer	12.180	10.294	10.327	0.034	2.2	0.000	0.000	2.2	3.489	OK
FEH: 2 years: +0 %: 60 mins: Winter	12.180	10.294	10.325	0.031	1.9	0.000	0.000	1.9	3.496	OK
FEH: 2 years: +0 %: 120 mins: Summer	12.180	10.294	10.326	0.033	2.1	0.000	0.000	2.1	5.320	OK
FEH: 2 years: +0 %: 120 mins: Winter	12.180	10.294	10.323	0.029	1.6	0.000	0.000	1.6	5.296	OK
FEH: 2 years: +0 %: 180 mins: Summer	12.180	10.294	10.324	0.030	1.8	0.000	0.000	1.8	6.448	OK
FEH: 2 years: +0 %: 180 mins: Winter	12.180	10.294	10.320	0.026	1.3	0.000	0.000	1.3	6.484	OK
FEH: 2 years: +0 %: 240 mins: Summer	12.180	10.294	10.322	0.029	1.6	0.000	0.000	1.6	7.271	OK
FEH: 2 years: +0 %: 240 mins: Winter	12.180	10.294	10.318	0.024	1.1	0.000	0.000	1.1	7.249	OK
FEH: 2 years: +0 %: 360 mins: Summer	12.180	10.294	10.319	0.026	1.3	0.000	0.000	1.3	8.366	OK
FEH: 2 years: +0 %: 360 mins: Winter	12.180	10.294	10.315	0.021	0.9	0.000	0.000	0.9	8.352	OK
FEH: 2 years: +0 %: 480 mins: Summer	12.180	10.294	10.317	0.023	1.1	0.000	0.000	1.1	8.972	OK
FEH: 2 years: +0 %: 480 mins: Winter	12.180	10.294	10.313	0.019	0.7	0.000	0.000	0.7	8.996	OK
FEH: 2 years: +0 %: 600 mins: Summer	12.180	10.294	10.315	0.022	0.9	0.000	0.000	0.9	9.481	OK
FEH: 2 years: +0 %: 600 mins: Winter	12.180	10.294	10.312	0.018	0.6	0.000	0.000	0.6	9.534	OK
FEH: 2 years: +0 %: 720 mins: Summer	12.180	10.294	10.314	0.020	0.8	0.000	0.000	0.8	9.944	OK
FEH: 2 years: +0 %: 720 mins: Winter	12.180	10.294	10.310	0.017	0.5	0.000	0.000	0.5	9.814	OK
FEH: 2 years: +0 %: 960 mins: Summer	12.180	10.294	10.312	0.018	0.6	0.000	0.000	0.6	10.752	OK
FEH: 2 years: +0 %: 960 mins: Winter	12.180	10.294	10.309	0.015	0.4	0.000	0.000	0.4	10.662	OK
FEH: 2 years: +0 %: 1440 mins: Summer	12.180	10.294	10.310	0.016	0.5	0.000	0.000	0.5	11.834	OK
FEH: 2 years: +0 %: 1440 mins: Winter	12.180	10.294	10.307	0.013	0.3	0.000	0.000	0.3	11.736	OK
FEH: 2 years: +0 %: 2160 mins: Summer	12.180	10.294	10.307	0.014	0.3	0.000	0.000	0.3	12.274	OK
FEH: 2 years: +0 %: 2160 mins: Winter	12.180	10.294	10.305	0.011	0.2	0.000	0.000	0.2	12.377	OK

139 Cranley Gardens:	Date: 20/08/2026		
	Designed by: CE	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	SYMMETRYS:		



FEH: 2 years: +0 %: 2880 mins: Summer	12.180	10.294	10.306	0.013	0.3	0.000	0.000	0.3	12.904	OK
FEH: 2 years: +0 %: 2880 mins: Winter	12.180	10.294	10.304	0.010	0.2	0.000	0.000	0.2	12.671	OK
FEH: 2 years: +0 %: 4320 mins: Summer	12.180	10.294	10.305	0.011	0.2	0.000	0.000	0.2	13.202	OK
FEH: 2 years: +0 %: 4320 mins: Winter	12.180	10.294	10.303	0.009	0.1	0.000	0.000	0.1	14.150	OK
FEH: 2 years: +0 %: 5760 mins: Summer	12.180	10.294	10.304	0.010	0.2	0.000	0.000	0.2	13.484	OK
FEH: 2 years: +0 %: 5760 mins: Winter	12.180	10.294	10.302	0.009	0.1	0.000	0.000	0.1	14.018	OK
FEH: 2 years: +0 %: 7200 mins: Summer	12.180	10.294	10.304	0.010	0.2	0.000	0.000	0.2	14.240	OK
FEH: 2 years: +0 %: 7200 mins: Winter	12.180	10.294	10.301	0.007	0.1	0.000	0.000	0.1	14.588	OK
FEH: 2 years: +0 %: 8640 mins: Summer	12.180	10.294	10.303	0.009	0.1	0.000	0.000	0.1	14.804	OK
FEH: 2 years: +0 %: 8640 mins: Winter	12.180	10.294	10.301	0.007	0.1	0.000	0.000	0.1	16.064	OK
FEH: 2 years: +0 %: 10080 mins: Summer	12.180	10.294	10.303	0.009	0.1	0.000	0.000	0.1	15.350	OK
FEH: 2 years: +0 %: 10080 mins: Winter	12.180	10.294	10.301	0.007	0.1	0.000	0.000	0.1	17.288	OK

139 Cranley Gardens:	Date: 20/08/2026		
	Designed by: CE	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	SYMMETRYS:		





FEH: 100 years: Increase Rainfall (%): +40: Summary Results for Porous Paving FG: Rank
By: Max. Resident Volume

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 100 years: +40 %: 15 mins: Summer	11.928	11.805	0.103	0.025	9.8	1.103	0.000	0.000	6.5	4.049	0	49.837	OK
FEH: 100 years: +40 %: 15 mins: Winter	11.926	11.804	0.101	0.024	9.2	1.085	0.000	0.000	6.2	4.047		50.657	OK
FEH: 100 years: +40 %: 30 mins: Summer	11.925	11.802	0.100	0.022	6.3	1.104	0.000	0.000	5.4	5.354	0	49.781	OK
FEH: 100 years: +40 %: 30 mins: Winter	11.920	11.802	0.095	0.022	5.9	1.057	0.000	0.000	5.1	5.360		51.935	OK
FEH: 100 years: +40 %: 60 mins: Summer	11.913	11.801	0.088	0.021	5.3	0.984	0.000	0.000	4.7	6.606		55.253	OK
FEH: 100 years: +40 %: 60 mins: Winter	11.896	11.799	0.071	0.019	4.3	0.818	0.000	0.000	4.1	6.606		62.787	OK
FEH: 100 years: +40 %: 120 mins: Summer	11.892	11.799	0.067	0.019	4.0	0.776	0.000	0.000	3.8	8.373		64.724	OK
FEH: 100 years: +40 %: 120 mins: Winter	11.880	11.796	0.055	0.016	2.9	0.637	0.000	0.000	2.8	8.367		71.024	OK
FEH: 100 years: +40 %: 180 mins: Summer	11.883	11.797	0.058	0.017	3.2	0.673	0.000	0.000	3.1	9.469		69.406	OK
FEH: 100 years: +40 %: 180 mins: Winter	11.872	11.794	0.047	0.014	2.2	0.550	0.000	0.000	2.2	9.493		74.995	OK
FEH: 100 years: +40 %: 240 mins: Summer	11.877	11.795	0.052	0.015	2.7	0.608	0.000	0.000	2.6	10.309		72.348	OK
FEH: 100 years: +40 %: 240 mins: Winter	11.867	11.793	0.042	0.013	1.8	0.493	0.000	0.000	1.8	10.297		77.599	OK

139 Cranley Gardens:	Date: 20/08/2026		
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Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	SYMMETRYS:		



FEH: 100 years: +40 %: 360 mins: Summer	11.869	11.793	0.044	0.013	2.0	0.521	0.000	0.000	2.0	11.377		76.304	OK
FEH: 100 years: +40 %: 360 mins: Winter	11.861	11.791	0.036	0.011	1.3	0.422	0.000	0.000	1.3	11.401		80.787	OK
FEH: 100 years: +40 %: 480 mins: Summer	11.865	11.792	0.040	0.012	1.6	0.469	0.000	0.000	1.6	12.124		78.654	OK
FEH: 100 years: +40 %: 480 mins: Winter	11.857	11.790	0.032	0.010	1.1	0.377	0.000	0.000	1.1	12.130		82.850	OK
FEH: 100 years: +40 %: 600 mins: Summer	11.861	11.791	0.036	0.011	1.4	0.428	0.000	0.000	1.4	12.642		80.530	OK
FEH: 100 years: +40 %: 600 mins: Winter	11.854	11.789	0.029	0.009	0.9	0.344	0.000	0.000	0.9	12.636		84.337	OK
FEH: 100 years: +40 %: 720 mins: Summer	11.859	11.790	0.034	0.010	1.2	0.398	0.000	0.000	1.2	13.052		81.912	OK
FEH: 100 years: +40 %: 720 mins: Winter	11.852	11.788	0.027	0.008	0.8	0.319	0.000	0.000	0.8	13.076		85.496	OK
FEH: 100 years: +40 %: 960 mins: Summer	11.855	11.789	0.030	0.009	0.9	0.352	0.000	0.000	0.9	13.633		84.007	OK
FEH: 100 years: +40 %: 960 mins: Winter	11.849	11.787	0.024	0.007	0.6	0.284	0.000	0.000	0.6	13.678		87.099	OK
FEH: 100 years: +40 %: 1440 mins: Summer	11.850	11.788	0.025	0.008	0.6	0.295	0.000	0.000	0.6	14.393		86.578	OK
FEH: 100 years: +40 %: 1440 mins: Winter	11.845	11.786	0.020	0.006	0.4	0.241	0.000	0.000	0.4	14.537		89.023	OK
FEH: 100 years: +40 %: 2160 mins: Summer	11.846	11.786	0.021	0.006	0.5	0.249	0.000	0.000	0.5	15.053		88.658	OK
FEH: 100 years: +40 %: 2160 mins: Winter	11.842	11.785	0.017	0.005	0.3	0.203	0.000	0.000	0.3	14.975		90.780	OK
FEH: 100 years: +40 %: 2880 mins: Summer	11.844	11.786	0.019	0.006	0.3	0.219	0.000	0.000	0.3	15.431		90.062	OK

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	SYMMETRYS:			

FEH: 100 years: +40 %: 2880 mins: Winter	11.840	11.785	0.015	0.005	0.2	0.175	0.000	0.000	0.2	15.479		92.056	OK
FEH: 100 years: +40 %: 4320 mins: Summer	11.841	11.785	0.016	0.005	0.2	0.186	0.000	0.000	0.2	16.283		91.552	OK
FEH: 100 years: +40 %: 4320 mins: Winter	11.838	11.784	0.013	0.004	0.2	0.150	0.000	0.000	0.2	16.333		93.177	OK
FEH: 100 years: +40 %: 5760 mins: Summer	11.839	11.784	0.014	0.004	0.2	0.163	0.000	0.000	0.2	17.099		92.591	OK
FEH: 100 years: +40 %: 5760 mins: Winter	11.836	11.784	0.011	0.004	0.1	0.136	0.000	0.000	0.1	16.921		93.823	OK
FEH: 100 years: +40 %: 7200 mins: Summer	11.838	11.784	0.013	0.004	0.2	0.150	0.000	0.000	0.2	18.065		93.177	OK
FEH: 100 years: +40 %: 7200 mins: Winter	11.836	11.783	0.011	0.003	0.1	0.125	0.000	0.000	0.1	17.881		94.302	OK
FEH: 100 years: +40 %: 8640 mins: Summer	11.837	11.784	0.012	0.004	0.1	0.141	0.000	0.000	0.1	18.552		93.601	OK
FEH: 100 years: +40 %: 8640 mins: Winter	11.835	11.783	0.010	0.003	0.1	0.113	0.000	0.000	0.1	18.768		94.843	OK
FEH: 100 years: +40 %: 10080 mins: Summer	11.836	11.784	0.011	0.004	0.1	0.136	0.000	0.000	0.1	19.122		93.823	OK
FEH: 100 years: +40 %: 10080 mins: Winter	11.834	11.783	0.009	0.003	0.1	0.107	0.000	0.000	0.1	19.716		95.138	OK

139 Cranley Gardens:	Date: 20/08/2026		
	Designed by: CE	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	SYMMETRYS:		





FEH: 100 years: Increase Rainfall (%): +40: Summary Results for Porous Paving P: Rank By: Max. Resident Volume

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 100 years: +40 %: 15 mins: Summer	10.960	11.118	0.250	0.428	16.6	7.069	0.000	0.000	1.6	0.943		36.566	OK
FEH: 100 years: +40 %: 15 mins: Winter	10.959	11.117	0.249	0.427	15.8	7.050	0.000	0.000	1.6	0.944		36.735	OK
FEH: 100 years: +40 %: 30 mins: Summer	11.051	11.193	0.341	0.503	12.2	8.669	0.000	0.000	1.9	3.095		22.207	OK
FEH: 100 years: +40 %: 30 mins: Winter	11.050	11.194	0.340	0.504	11.4	8.661	0.000	0.000	1.9	3.087		22.281	OK
FEH: 100 years: +40 %: 60 mins: Summer	11.105	11.196	0.395	0.506	10.2	9.166	0.000	0.000	1.9	7.249	35	17.748	OK
FEH: 100 years: +40 %: 60 mins: Winter	11.104	11.186	0.394	0.496	8.1	9.193	0.000	0.000	1.9	7.154	35	17.501	OK
FEH: 100 years: +40 %: 120 mins: Summer	11.131	11.186	0.421	0.496	7.4	9.485	0.000	0.000	1.9	9.945	55	14.879	OK
FEH: 100 years: +40 %: 120 mins: Winter	11.120	11.154	0.410	0.464	4.9	9.178	0.000	0.000	1.9	9.443	50	17.639	OK
FEH: 100 years: +40 %: 180 mins: Summer	11.121	11.150	0.411	0.460	5.6	9.161	0.000	0.000	1.7	10.929	60	17.786	OK
FEH: 100 years: +40 %: 180 mins: Winter	11.096	11.098	0.386	0.408	3.4	8.447	0.000	0.000	1.7	10.126	50	24.195	OK
FEH: 100 years: +40 %: 240 mins: Summer	11.102	11.110	0.392	0.420	4.5	8.618	0.000	0.000	1.4	11.388	50	22.665	OK
FEH: 100 years: +40 %: 240 mins: Winter	11.058	11.037	0.348	0.347	2.5	7.456	0.000	0.000	1.4	10.288	40	33.093	OK

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FEH: 100 years: +40 %: 360 mins: Summer	11.049	11.028	0.339	0.338	3.0	7.256	0.000	0.000	1.4	11.626	40	34.882	OK
FEH: 100 years: +40 %: 360 mins: Winter	10.980	10.917	0.270	0.227	1.6	5.379	0.000	0.000	1.2	10.430		51.730	OK
FEH: 100 years: +40 %: 480 mins: Summer	10.998	10.949	0.288	0.259	2.2	5.898	0.000	0.000	1.2	11.690	15	47.075	OK
FEH: 100 years: +40 %: 480 mins: Winter	10.917	10.712	0.207	0.022	1.0	2.486	0.000	0.000	0.8	10.843		77.694	OK
FEH: 100 years: +40 %: 600 mins: Summer	10.954	10.873	0.244	0.183	1.7	4.632	0.000	0.000	1.1	11.723		58.433	OK
FEH: 100 years: +40 %: 600 mins: Winter	10.904	10.710	0.194	0.020	0.8	2.339	0.000	0.000	0.7	11.391		79.009	OK
FEH: 100 years: +40 %: 720 mins: Summer	10.923	10.802	0.213	0.112	1.1	3.550	0.000	0.000	1.0	11.898		68.139	OK
FEH: 100 years: +40 %: 720 mins: Winter	10.894	10.709	0.184	0.019	0.7	2.215	0.000	0.000	0.6	11.903		80.125	OK
FEH: 100 years: +40 %: 960 mins: Summer	10.899	10.710	0.189	0.020	0.9	2.277	0.000	0.000	0.7	12.427		79.569	OK
FEH: 100 years: +40 %: 960 mins: Winter	10.876	10.707	0.166	0.017	0.6	2.000	0.000	0.000	0.5	12.476		82.056	OK
FEH: 100 years: +40 %: 1440 mins: Summer	10.875	10.708	0.165	0.018	0.6	1.990	0.000	0.000	0.5	13.287		82.140	OK
FEH: 100 years: +40 %: 1440 mins: Winter	10.851	10.705	0.141	0.015	0.4	1.704	0.000	0.000	0.4	13.174		84.709	OK
FEH: 100 years: +40 %: 2160 mins: Summer	10.851	10.705	0.141	0.015	0.4	1.697	0.000	0.000	0.4	13.752		84.768	OK
FEH: 100 years: +40 %: 2160 mins: Winter	10.829	10.702	0.119	0.012	0.3	1.439	0.000	0.000	0.3	13.681		87.085	OK
FEH: 100 years: +40 %: 2880 mins: Summer	10.836	10.703	0.126	0.013	0.3	1.518	0.000	0.000	0.3	14.272		86.374	OK

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FEH: 100 years: +40 %: 2880 mins: Winter	10.815	10.701	0.105	0.011	0.2	1.264	0.000	0.000	0.2	14.428		88.660	OK
FEH: 100 years: +40 %: 4320 mins: Summer	10.816	10.701	0.106	0.011	0.2	1.284	0.000	0.000	0.2	15.347		88.473	OK
FEH: 100 years: +40 %: 4320 mins: Winter	10.796	10.699	0.086	0.009	0.1	1.036	0.000	0.000	0.1	15.191		90.700	OK
FEH: 100 years: +40 %: 5760 mins: Summer	10.804	10.700	0.094	0.010	0.2	1.136	0.000	0.000	0.2	15.485		89.808	OK
FEH: 100 years: +40 %: 5760 mins: Winter	10.785	10.698	0.075	0.008	0.1	0.909	0.000	0.000	0.1	15.617		91.839	OK
FEH: 100 years: +40 %: 7200 mins: Summer	10.795	10.699	0.085	0.009	0.1	1.028	0.000	0.000	0.1	15.959		90.774	OK
FEH: 100 years: +40 %: 7200 mins: Winter	10.780	10.698	0.070	0.008	0.1	0.855	0.000	0.000	0.1	15.719		92.326	OK
FEH: 100 years: +40 %: 8640 mins: Summer	10.790	10.699	0.080	0.009	0.1	0.967	0.000	0.000	0.1	16.271		91.323	OK
FEH: 100 years: +40 %: 8640 mins: Winter	10.772	10.697	0.062	0.007	0.1	0.761	0.000	0.000	0.1	16.061		93.174	OK
FEH: 100 years: +40 %: 10080 mins: Summer	10.784	10.698	0.074	0.008	0.1	0.894	0.000	0.000	0.1	17.045		91.978	OK
FEH: 100 years: +40 %: 10080 mins: Winter	10.768	10.697	0.058	0.007	0.1	0.708	0.000	0.000	0.1	16.919		93.649	OK

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FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Porous Paving FG: Rank By: Max. Resident Volume

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +0 %: 15 mins: Summer	11.854	11.790	0.029	0.010	2.1	0.341	0.000	0.000	1.1	0.755		84.473	OK
FEH: 2 years: +0 %: 15 mins: Winter	11.854	11.790	0.029	0.010	2.0	0.338	0.000	0.000	1.1	0.752		84.617	OK
FEH: 2 years: +0 %: 30 mins: Summer	11.854	11.790	0.029	0.010	1.3	0.352	0.000	0.000	1.1	1.062		83.993	OK
FEH: 2 years: +0 %: 30 mins: Winter	11.854	11.789	0.029	0.009	1.2	0.343	0.000	0.000	1.0	1.057		84.418	OK
FEH: 2 years: +0 %: 60 mins: Summer	11.853	11.789	0.028	0.009	1.1	0.339	0.000	0.000	1.0	1.333		84.594	OK
FEH: 2 years: +0 %: 60 mins: Winter	11.851	11.788	0.026	0.008	0.9	0.311	0.000	0.000	0.8	1.339		85.840	OK
FEH: 2 years: +0 %: 120 mins: Summer	11.853	11.789	0.028	0.009	0.9	0.332	0.000	0.000	0.9	1.981		84.914	OK
FEH: 2 years: +0 %: 120 mins: Winter	11.850	11.788	0.025	0.008	0.7	0.290	0.000	0.000	0.6	1.975		86.817	OK
FEH: 2 years: +0 %: 180 mins: Summer	11.851	11.788	0.026	0.008	0.8	0.308	0.000	0.000	0.7	2.337		85.981	OK
FEH: 2 years: +0 %: 180 mins: Winter	11.847	11.787	0.022	0.007	0.5	0.264	0.000	0.000	0.5	2.361		87.994	OK
FEH: 2 years: +0 %: 240 mins: Summer	11.849	11.788	0.024	0.008	0.7	0.288	0.000	0.000	0.6	2.582		86.893	OK
FEH: 2 years: +0 %: 240 mins: Winter	11.846	11.786	0.021	0.006	0.5	0.244	0.000	0.000	0.4	2.607		88.892	OK
FEH: 2 years: +0 %: 360 mins: Summer	11.847	11.787	0.022	0.007	0.5	0.255	0.000	0.000	0.5	2.923		88.384	OK
FEH: 2 years: +0 %: 360 mins: Winter	11.843	11.786	0.018	0.006	0.3	0.215	0.000	0.000	0.3	2.930		90.241	OK
FEH: 2 years: +0 %: 480 mins: Summer	11.845	11.786	0.020	0.006	0.4	0.233	0.000	0.000	0.4	3.095		89.397	OK
FEH: 2 years: +0 %: 480 mins: Winter	11.841	11.785	0.016	0.005	0.3	0.192	0.000	0.000	0.3	3.131		91.249	OK
FEH: 2 years: +0 %: 600 mins: Summer	11.843	11.786	0.018	0.006	0.4	0.215	0.000	0.000	0.3	3.259		90.205	OK

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FEH: 2 years: +0 %: 600 mins: Winter	11.840	11.785	0.015	0.005	0.2	0.178	0.000	0.000	0.2	3.283		91.882	OK
FEH: 2 years: +0 %: 720 mins: Summer	11.842	11.785	0.017	0.005	0.3	0.203	0.000	0.000	0.3	3.404		90.787	OK
FEH: 2 years: +0 %: 720 mins: Winter	11.839	11.784	0.014	0.004	0.2	0.166	0.000	0.000	0.2	3.356		92.448	OK
FEH: 2 years: +0 %: 960 mins: Summer	11.840	11.785	0.015	0.005	0.2	0.180	0.000	0.000	0.2	3.610		91.796	OK
FEH: 2 years: +0 %: 960 mins: Winter	11.838	11.784	0.013	0.004	0.2	0.150	0.000	0.000	0.2	3.634		93.179	OK
FEH: 2 years: +0 %: 1440 mins: Summer	11.838	11.784	0.013	0.004	0.2	0.157	0.000	0.000	0.2	4.001		92.864	OK
FEH: 2 years: +0 %: 1440 mins: Winter	11.836	11.783	0.011	0.003	0.1	0.125	0.000	0.000	0.1	3.893		94.301	OK
FEH: 2 years: +0 %: 2160 mins: Summer	11.836	11.784	0.011	0.004	0.1	0.135	0.000	0.000	0.1	4.297		93.847	OK
FEH: 2 years: +0 %: 2160 mins: Winter	11.834	11.783	0.009	0.003	0.1	0.107	0.000	0.000	0.1	4.405		95.137	OK
FEH: 2 years: +0 %: 2880 mins: Summer	11.835	11.783	0.010	0.003	0.1	0.125	0.000	0.000	0.1	4.633		94.319	OK
FEH: 2 years: +0 %: 2880 mins: Winter	11.833	11.782	0.008	0.002	0.1	0.092	0.000	0.000	0.1	4.393		95.817	OK
FEH: 2 years: +0 %: 4320 mins: Summer	11.834	11.783	0.009	0.003	0.1	0.107	0.000	0.000	0.1	4.673		95.140	OK
FEH: 2 years: +0 %: 4320 mins: Winter	11.832	11.782	0.007	0.002	0.0	0.084	0.000	0.000	0.1	5.135		96.186	OK
FEH: 2 years: +0 %: 5760 mins: Summer	11.833	11.782	0.008	0.002	0.1	0.092	0.000	0.000	0.1	4.841		95.816	OK
FEH: 2 years: +0 %: 5760 mins: Winter	11.832	11.782	0.007	0.002	0.0	0.084	0.000	0.000	0.1	4.829		96.186	OK
FEH: 2 years: +0 %: 7200 mins: Summer	11.833	11.782	0.008	0.002	0.1	0.092	0.000	0.000	0.1	5.009		95.817	OK
FEH: 2 years: +0 %: 7200 mins: Winter	11.831	11.782	0.006	0.002	0.0	0.065	0.000	0.000	0.0	5.095		97.065	OK
FEH: 2 years: +0 %: 8640 mins: Summer	11.832	11.782	0.007	0.002	0.0	0.084	0.000	0.000	0.1	5.183		96.186	OK
FEH: 2 years: +0 %: 8640 mins: Winter	11.831	11.782	0.006	0.002	0.0	0.065	0.000	0.000	0.0	5.495		97.065	OK
FEH: 2 years: +0 %: 10080 mins: Summer	11.832	11.782	0.007	0.002	0.0	0.084	0.000	0.000	0.1	5.443		96.186	OK

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FEH: 2 years: +0 %: 10080 mins: Winter		11.831	11.782	0.006	0.002	0.0	0.065	0.000	0.000	0.0	5.929		97.065	OK

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FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Porous Paving P: Rank By: Max. Resident Volume

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +0 %: 15 mins: Summer	10.747	10.707	0.037	0.017	1.9	0.566	0.000	0.000	0.5	0.367		94.920	OK
FEH: 2 years: +0 %: 15 mins: Winter	10.747	10.707	0.037	0.017	1.8	0.558	0.000	0.000	0.5	0.363		94.997	OK
FEH: 2 years: +0 %: 30 mins: Summer	10.756	10.708	0.046	0.018	1.2	0.629	0.000	0.000	0.5	0.536		94.358	OK
FEH: 2 years: +0 %: 30 mins: Winter	10.756	10.708	0.046	0.018	1.1	0.628	0.000	0.000	0.5	0.539		94.363	OK
FEH: 2 years: +0 %: 60 mins: Summer	10.764	10.707	0.054	0.017	1.0	0.676	0.000	0.000	0.5	0.744		93.929	OK
FEH: 2 years: +0 %: 60 mins: Winter	10.764	10.705	0.054	0.015	0.8	0.680	0.000	0.000	0.4	0.744		93.894	OK
FEH: 2 years: +0 %: 120 mins: Summer	10.779	10.706	0.069	0.016	0.9	0.846	0.000	0.000	0.4	1.286		92.406	OK
FEH: 2 years: +0 %: 120 mins: Winter	10.779	10.704	0.069	0.014	0.6	0.845	0.000	0.000	0.3	1.267		92.419	OK
FEH: 2 years: +0 %: 180 mins: Summer	10.785	10.705	0.075	0.015	0.7	0.918	0.000	0.000	0.4	1.675		91.766	OK
FEH: 2 years: +0 %: 180 mins: Winter	10.785	10.703	0.075	0.013	0.5	0.923	0.000	0.000	0.3	1.679		91.722	OK
FEH: 2 years: +0 %: 240 mins: Summer	10.788	10.704	0.078	0.014	0.6	0.960	0.000	0.000	0.3	1.985		91.389	OK
FEH: 2 years: +0 %: 240 mins: Winter	10.788	10.702	0.078	0.012	0.4	0.952	0.000	0.000	0.2	1.968		91.458	OK
FEH: 2 years: +0 %: 360 mins: Summer	10.791	10.703	0.081	0.013	0.5	0.991	0.000	0.000	0.3	2.397		91.110	OK
FEH: 2 years: +0 %: 360 mins: Winter	10.789	10.701	0.079	0.011	0.3	0.965	0.000	0.000	0.2	2.402		91.343	OK
FEH: 2 years: +0 %: 480 mins: Summer	10.790	10.702	0.080	0.012	0.4	0.977	0.000	0.000	0.2	2.638		91.231	OK
FEH: 2 years: +0 %: 480 mins: Winter	10.787	10.700	0.077	0.010	0.2	0.939	0.000	0.000	0.2	2.614		91.571	OK
FEH: 2 years: +0 %: 600 mins: Summer	10.789	10.701	0.079	0.011	0.3	0.960	0.000	0.000	0.2	2.831		91.381	OK

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FEH: 2 years: +0 %: 600 mins: Winter	10.786	10.699	0.076	0.009	0.2	0.919	0.000	0.000	0.1	2.854		91.751	OK
FEH: 2 years: +0 %: 720 mins: Summer	10.787	10.700	0.077	0.010	0.3	0.942	0.000	0.000	0.2	3.027		91.544	OK
FEH: 2 years: +0 %: 720 mins: Winter	10.783	10.699	0.073	0.009	0.2	0.884	0.000	0.000	0.1	2.963		92.067	OK
FEH: 2 years: +0 %: 960 mins: Summer	10.784	10.700	0.074	0.010	0.2	0.905	0.000	0.000	0.2	3.303		91.882	OK
FEH: 2 years: +0 %: 960 mins: Winter	10.779	10.698	0.069	0.008	0.1	0.836	0.000	0.000	0.1	3.267		92.496	OK
FEH: 2 years: +0 %: 1440 mins: Summer	10.778	10.699	0.068	0.009	0.2	0.832	0.000	0.000	0.1	3.500		92.538	OK
FEH: 2 years: +0 %: 1440 mins: Winter	10.772	10.697	0.062	0.007	0.1	0.753	0.000	0.000	0.1	3.564		93.244	OK
FEH: 2 years: +0 %: 2160 mins: Summer	10.771	10.698	0.061	0.008	0.1	0.742	0.000	0.000	0.1	3.770		93.343	OK
FEH: 2 years: +0 %: 2160 mins: Winter	10.763	10.697	0.053	0.007	0.1	0.655	0.000	0.000	0.1	3.711		94.119	OK
FEH: 2 years: +0 %: 2880 mins: Summer	10.767	10.697	0.057	0.007	0.1	0.701	0.000	0.000	0.1	4.202		93.711	OK
FEH: 2 years: +0 %: 2880 mins: Winter	10.760	10.696	0.050	0.006	0.1	0.618	0.000	0.000	0.1	4.100		94.456	OK
FEH: 2 years: +0 %: 4320 mins: Summer	10.762	10.696	0.052	0.006	0.1	0.633	0.000	0.000	0.1	4.343		94.319	OK
FEH: 2 years: +0 %: 4320 mins: Winter	10.751	10.695	0.041	0.005	0.0	0.505	0.000	0.000	0.0	4.661		95.467	OK
FEH: 2 years: +0 %: 5760 mins: Summer	10.757	10.696	0.047	0.006	0.1	0.585	0.000	0.000	0.1	4.355		94.746	OK
FEH: 2 years: +0 %: 5760 mins: Winter	10.750	10.695	0.040	0.005	0.0	0.495	0.000	0.000	0.0	4.559		95.557	OK
FEH: 2 years: +0 %: 7200 mins: Summer	10.755	10.696	0.045	0.006	0.1	0.560	0.000	0.000	0.1	4.655		94.976	OK
FEH: 2 years: +0 %: 7200 mins: Winter	10.745	10.694	0.035	0.004	0.0	0.428	0.000	0.000	0.0	4.661		96.162	OK
FEH: 2 years: +0 %: 8640 mins: Summer	10.751	10.695	0.041	0.005	0.0	0.504	0.000	0.000	0.0	4.757		95.479	OK
FEH: 2 years: +0 %: 8640 mins: Winter	10.745	10.694	0.035	0.004	0.0	0.428	0.000	0.000	0.0	5.177		96.162	OK
FEH: 2 years: +0 %: 10080 mins: Summer	10.751	10.695	0.041	0.005	0.0	0.502	0.000	0.000	0.0	4.949		95.498	OK

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		CE												
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		SYMMETRYS:												
FEH: 2 years: +0 %: 10080 mins: Winter		10.745	10.694	0.035	0.004	0.0	0.428	0.000	0.000	0.0	5.555		96.161	OK

139 Cranley Gardens:	Date: 20/08/2026		
	Designed by: CE	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase	SYMMETRYS:		





FEH: 100 years: Increase Rainfall (%): +40: Summary Results for Pipe: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SWMH01	SWMH02	11.280	11.130	0.150	0.003	0.1	0.1	1.8	Flood Risk
FEH: 100 years: +40 %: 15 mins: Winter	Pipe	SWMH01	SWMH02	11.280	11.122	0.150	0.005	0.1	0.1	1.8	Flood Risk
FEH: 100 years: +40 %: 30 mins: Summer	Pipe	SWMH01	SWMH02	11.280	11.193	0.150	0.059	0.1	0.12	2.0	Flood Risk
FEH: 100 years: +40 %: 30 mins: Winter	Pipe	SWMH01	SWMH02	11.280	11.194	0.150	0.065	0.1	0.12	2.0	Flood Risk
FEH: 100 years: +40 %: 60 mins: Summer	Pipe	SWMH01	SWMH02	11.280	11.196	0.150	3.072	0.2	0.12	2.1	Flood Risk
FEH: 100 years: +40 %: 60 mins: Winter	Pipe	SWMH01	SWMH02	11.280	11.188	0.150	3.062	0.1	0.12	2.1	Flood Risk
FEH: 100 years: +40 %: 120 mins: Summer	Pipe	SWMH01	SWMH02	11.280	11.186	0.150	6.155	0.4	0.11	2.0	Flood Risk
FEH: 100 years: +40 %: 120 mins: Winter	Pipe	SWMH01	SWMH02	11.280	11.154	0.150	6.166	0.5	0.11	2.0	Flood Risk
FEH: 100 years: +40 %: 180 mins: Summer	Pipe	SWMH01	SWMH02	11.280	11.150	0.150	7.701	0.4	0.1	1.8	Flood Risk
FEH: 100 years: +40 %: 180 mins: Winter	Pipe	SWMH01	SWMH02	11.280	11.098	0.150	7.741	0.4	0.1	1.8	Flood Risk
FEH: 100 years: +40 %: 240 mins: Summer	Pipe	SWMH01	SWMH02	11.280	11.110	0.150	8.758	0.4	0.09	1.5	Flood Risk
FEH: 100 years: +40 %: 240 mins: Winter	Pipe	SWMH01	SWMH02	11.280	11.037	0.150	8.763	0.4	0.09	1.6	Flood Risk
FEH: 100 years: +40 %: 360 mins: Summer	Pipe	SWMH01	SWMH02	11.280	11.027	0.150	10.059	0.4	0.08	1.4	Flood Risk
FEH: 100 years: +40 %: 360 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.916	0.150	10.045	0.4	0.07	1.3	Surcharged
FEH: 100 years: +40 %: 480 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.948	0.150	10.875	0.4	0.07	1.3	Surcharged
FEH: 100 years: +40 %: 480 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.601	0.083	10.839	0.4	0.04	0.8	OK
FEH: 100 years: +40 %: 600 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.872	0.150	11.413	0.4	0.07	1.2	Surcharged
FEH: 100 years: +40 %: 600 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.599	0.061	11.387	0.4	0.04	0.7	OK
FEH: 100 years: +40 %: 720 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.801	0.150	11.847	0.4	0.06	1.0	Surcharged
FEH: 100 years: +40 %: 720 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.598	0.048	11.901	0.4	0.03	0.6	OK
FEH: 100 years: +40 %: 960 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.599	0.065	12.425	0.4	0.04	0.7	OK
FEH: 100 years: +40 %: 960 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.597	0.032	12.473	0.4	0.03	0.5	OK
FEH: 100 years: +40 %: 1440 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.597	0.037	13.285	0.4	0.03	0.5	OK
FEH: 100 years: +40 %: 1440 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.595	0.018	13.172	0.3	0.02	0.4	OK
FEH: 100 years: +40 %: 2160 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.595	0.021	13.751	0.3	0.02	0.4	OK
FEH: 100 years: +40 %: 2160 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.593	0.014	13.680	0.3	0.01	0.3	OK

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Report Details: Type: Connections Summary Storm Phase: Phase	SYMMETRYS:			

FEH: 100 years: +40 %: 2880 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.594	0.015	14.271	0.3	0.02	0.3	OK
FEH: 100 years: +40 %: 2880 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.592	0.013	14.427	0.3	0.01	0.2	OK
FEH: 100 years: +40 %: 4320 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.592	0.013	15.346	0.3	0.01	0.2	OK
FEH: 100 years: +40 %: 4320 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.590	0.011	15.190	0.3	0.01	0.1	OK
FEH: 100 years: +40 %: 5760 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.591	0.012	15.484	0.3	0.01	0.2	OK
FEH: 100 years: +40 %: 5760 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.589	0.009	15.616	0.2	0.01	0.1	OK
FEH: 100 years: +40 %: 7200 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.590	0.011	15.958	0.3	0.01	0.1	OK
FEH: 100 years: +40 %: 7200 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.588	0.009	15.718	0.2	0.01	0.1	OK
FEH: 100 years: +40 %: 8640 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.589	0.010	16.270	0.2	0.01	0.1	OK
FEH: 100 years: +40 %: 8640 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.587	0.008	16.060	0.2	0	0.1	OK
FEH: 100 years: +40 %: 10080 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.589	0.009	17.044	0.2	0.01	0.1	OK
FEH: 100 years: +40 %: 10080 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.587	0.008	16.918	0.2	0	0.1	OK

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	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Connections Summary Storm Phase: Phase	SYMMETRYS:			



FEH: 100 years: Increase Rainfall (%): +40: Summary Results for Pipe (1): Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	11.137	0.150	0.829	0.1	0.09	2.1	Surcharged
FEH: 100 years: +40 %: 15 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	11.131	0.150	0.853	0.1	0.09	2.1	Surcharged
FEH: 100 years: +40 %: 30 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	11.193	0.150	3.700	0.2	0.09	2.2	Surcharged
FEH: 100 years: +40 %: 30 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	11.193	0.150	3.697	0.2	0.09	2.2	Surcharged
FEH: 100 years: +40 %: 60 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	11.195	0.150	9.627	0.2	0.1	2.2	Surcharged
FEH: 100 years: +40 %: 60 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	11.188	0.150	9.606	0.3	0.1	2.3	Surcharged
FEH: 100 years: +40 %: 120 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	11.185	0.150	14.918	0.3	0.09	2.2	Surcharged
FEH: 100 years: +40 %: 120 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	11.154	0.150	14.910	0.3	0.09	2.2	Surcharged
FEH: 100 years: +40 %: 180 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	11.149	0.150	17.630	0.3	0.09	2.0	Surcharged
FEH: 100 years: +40 %: 180 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	11.098	0.150	17.658	0.4	0.08	2.0	Surcharged
FEH: 100 years: +40 %: 240 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	11.110	0.150	19.481	0.3	0.08	2.0	Surcharged
FEH: 100 years: +40 %: 240 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	11.037	0.150	19.498	0.3	0.08	1.9	Surcharged
FEH: 100 years: +40 %: 360 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	11.027	0.150	21.941	0.3	0.08	1.9	Surcharged
FEH: 100 years: +40 %: 360 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.916	0.150	21.952	0.2	0.08	1.9	Surcharged
FEH: 100 years: +40 %: 480 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.948	0.150	23.532	0.4	0.08	1.9	Surcharged
FEH: 100 years: +40 %: 480 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.558	0.150	23.521	0.3	0.08	1.9	OK
FEH: 100 years: +40 %: 600 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.872	0.150	24.617	0.4	0.08	1.9	Surcharged
FEH: 100 years: +40 %: 600 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.515	0.138	24.549	0.2	0.07	1.6	OK
FEH: 100 years: +40 %: 720 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.800	0.150	25.442	0.4	0.08	1.9	Surcharged
FEH: 100 years: +40 %: 720 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.489	0.113	25.470	0.2	0.06	1.4	OK
FEH: 100 years: +40 %: 960 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.522	0.145	26.715	0.4	0.07	1.6	OK
FEH: 100 years: +40 %: 960 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.459	0.082	26.583	0.2	0.05	1.1	OK
FEH: 100 years: +40 %: 1440 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.468	0.091	28.362	0.3	0.05	1.2	OK
FEH: 100 years: +40 %: 1440 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.434	0.056	28.084	0.2	0.03	0.8	OK
FEH: 100 years: +40 %: 2160 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.438	0.061	29.470	0.2	0.04	0.9	OK
FEH: 100 years: +40 %: 2160 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.427	0.044	29.561	0.2	0.02	0.6	OK

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FEH: 100 years: +40 %: 2880 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.429	0.049	30.224	0.2	0.03	0.7	OK
FEH: 100 years: +40 %: 2880 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.426	0.038	30.518	0.2	0.02	0.4	OK
FEH: 100 years: +40 %: 4320 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.426	0.040	32.632	0.2	0.02	0.5	OK
FEH: 100 years: +40 %: 4320 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.423	0.031	32.140	0.1	0.01	0.3	OK
FEH: 100 years: +40 %: 5760 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.425	0.035	34.372	0.3	0.02	0.4	OK
FEH: 100 years: +40 %: 5760 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.422	0.028	34.138	0.1	0.01	0.2	OK
FEH: 100 years: +40 %: 7200 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.424	0.032	35.056	0.1	0.01	0.3	OK
FEH: 100 years: +40 %: 7200 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.421	0.025	35.164	0.1	0.01	0.2	OK
FEH: 100 years: +40 %: 8640 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.423	0.030	35.332	0.1	0.01	0.3	OK
FEH: 100 years: +40 %: 8640 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.421	0.024	35.854	0.1	0.01	0.2	OK
FEH: 100 years: +40 %: 10080 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.422	0.028	35.428	0.1	0.01	0.2	OK
FEH: 100 years: +40 %: 10080 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.420	0.022	36.028	0.1	0.01	0.1	OK

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	Designed by: CE	Checked by:	Approved By:	
Report Details:	SYMMETRYS:			
Type: Connections Summary Storm Phase: Phase				



FEH: 100 years: Increase Rainfall (%): +40: Summary Results for Pipe (2): Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	11.138	0.039	4.003	0.8	0.14	2.8	Surcharged
FEH: 100 years: +40 %: 15 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	11.131	0.039	4.026	0.8	0.14	2.7	Surcharged
FEH: 100 years: +40 %: 30 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	11.192	0.040	8.295	0.8	0.14	2.9	Surcharged
FEH: 100 years: +40 %: 30 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	11.193	0.040	8.297	0.8	0.14	2.9	Surcharged
FEH: 100 years: +40 %: 60 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	11.195	0.040	15.719	0.8	0.14	2.9	Surcharged
FEH: 100 years: +40 %: 60 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	11.188	0.040	15.698	0.8	0.14	2.8	Surcharged
FEH: 100 years: +40 %: 120 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	11.185	0.041	23.235	0.8	0.15	3.0	Surcharged
FEH: 100 years: +40 %: 120 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	11.153	0.040	23.221	0.8	0.15	2.9	Surcharged
FEH: 100 years: +40 %: 180 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	11.149	0.039	27.063	0.8	0.14	2.8	Surcharged
FEH: 100 years: +40 %: 180 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	11.097	0.040	27.115	0.8	0.14	2.8	Surcharged
FEH: 100 years: +40 %: 240 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	11.110	0.041	29.764	0.8	0.15	3.0	Surcharged
FEH: 100 years: +40 %: 240 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	11.036	0.041	29.769	0.8	0.15	3.0	Surcharged
FEH: 100 years: +40 %: 360 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	11.027	0.041	33.305	0.8	0.15	3.0	Surcharged
FEH: 100 years: +40 %: 360 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.916	0.041	33.340	0.8	0.15	3.0	Surcharged
FEH: 100 years: +40 %: 480 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.948	0.040	35.647	0.8	0.15	2.9	Surcharged
FEH: 100 years: +40 %: 480 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.558	0.040	35.642	0.8	0.15	2.9	Surcharged
FEH: 100 years: +40 %: 600 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.872	0.040	37.252	0.8	0.15	2.9	Surcharged
FEH: 100 years: +40 %: 600 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.514	0.037	37.178	0.7	0.12	2.5	Surcharged
FEH: 100 years: +40 %: 720 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.800	0.041	38.488	0.8	0.15	3.0	Surcharged
FEH: 100 years: +40 %: 720 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.489	0.034	38.540	0.7	0.11	2.1	OK
FEH: 100 years: +40 %: 960 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.522	0.038	40.343	0.7	0.13	2.6	Surcharged
FEH: 100 years: +40 %: 960 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.458	0.031	40.257	0.7	0.09	1.7	OK
FEH: 100 years: +40 %: 1440 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.467	0.032	42.751	0.7	0.09	1.8	OK
FEH: 100 years: +40 %: 1440 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.432	0.026	42.617	0.6	0.06	1.2	OK
FEH: 100 years: +40 %: 2160 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.436	0.027	44.521	0.6	0.07	1.3	OK
FEH: 100 years: +40 %: 2160 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.414	0.022	44.534	0.5	0.04	0.9	OK

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FEH: 100 years: +40 %: 2880 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.422	0.024	45.654	0.6	0.05	1.0	OK
FEH: 100 years: +40 %: 2880 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.403	0.019	45.997	0.5	0.03	0.7	OK
FEH: 100 years: +40 %: 4320 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.406	0.020	48.914	0.5	0.04	0.7	OK
FEH: 100 years: +40 %: 4320 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.392	0.016	48.470	0.5	0.02	0.5	OK
FEH: 100 years: +40 %: 5760 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.398	0.018	51.469	0.5	0.03	0.6	OK
FEH: 100 years: +40 %: 5760 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.386	0.014	51.056	0.4	0.02	0.4	OK
FEH: 100 years: +40 %: 7200 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.392	0.016	53.120	0.5	0.02	0.5	OK
FEH: 100 years: +40 %: 7200 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.382	0.013	53.042	0.4	0.02	0.3	OK
FEH: 100 years: +40 %: 8640 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.389	0.015	53.882	0.4	0.02	0.4	OK
FEH: 100 years: +40 %: 8640 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.380	0.012	54.620	0.4	0.01	0.3	OK
FEH: 100 years: +40 %: 10080 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.386	0.014	54.548	0.4	0.02	0.4	OK
FEH: 100 years: +40 %: 10080 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.376	0.012	55.742	0.4	0.01	0.2	OK

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Report Details: Type: Connections Summary Storm Phase: Phase	SYMMETRYS:		





FEH: 100 years: Increase Rainfall (%): +40: Summary Results for Pipe (3): Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +40 %: 15 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.841	0.100	4.049	0.8	0.15	6.5	OK
FEH: 100 years: +40 %: 15 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.840	0.100	4.047	0.8	0.15	6.2	OK
FEH: 100 years: +40 %: 30 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.841	0.100	5.354	0.7	0.13	5.4	OK
FEH: 100 years: +40 %: 30 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.839	0.100	5.360	0.7	0.12	5.1	OK
FEH: 100 years: +40 %: 60 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.834	0.100	6.606	0.6	0.11	4.7	OK
FEH: 100 years: +40 %: 60 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.825	0.100	6.606	0.5	0.1	4.1	OK
FEH: 100 years: +40 %: 120 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.823	0.100	8.373	0.5	0.09	3.8	OK
FEH: 100 years: +40 %: 120 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.815	0.100	8.367	0.4	0.07	2.8	OK
FEH: 100 years: +40 %: 180 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.817	0.100	9.469	0.4	0.07	3.1	OK
FEH: 100 years: +40 %: 180 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.810	0.100	9.493	0.3	0.05	2.2	OK
FEH: 100 years: +40 %: 240 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.814	0.100	10.309	0.3	0.06	2.6	OK
FEH: 100 years: +40 %: 240 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.807	0.100	10.297	0.2	0.04	1.8	OK
FEH: 100 years: +40 %: 360 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.809	0.100	11.377	0.3	0.05	2.0	OK
FEH: 100 years: +40 %: 360 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.803	0.100	11.401	0.2	0.03	1.3	OK
FEH: 100 years: +40 %: 480 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.806	0.100	12.124	0.2	0.04	1.6	OK
FEH: 100 years: +40 %: 480 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.801	0.100	12.130	0.1	0.02	1.1	OK
FEH: 100 years: +40 %: 600 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.804	0.100	12.642	0.2	0.03	1.4	OK

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FEH: 100 years: +40 %: 600 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.799	0.091	12.636	0.1	0.02	0.9	OK
FEH: 100 years: +40 %: 720 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.802	0.100	13.052	0.2	0.03	1.2	OK
FEH: 100 years: +40 %: 720 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.798	0.078	13.076	0.1	0.02	0.8	OK
FEH: 100 years: +40 %: 960 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.799	0.095	13.633	0.1	0.02	0.9	OK
FEH: 100 years: +40 %: 960 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.796	0.062	13.678	0.1	0.01	0.6	OK
FEH: 100 years: +40 %: 1440 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.796	0.067	14.393	0.1	0.02	0.6	OK
FEH: 100 years: +40 %: 1440 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.793	0.048	14.537	0.1	0.01	0.4	OK
FEH: 100 years: +40 %: 2160 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.794	0.051	15.054	0.1	0.01	0.5	OK
FEH: 100 years: +40 %: 2160 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.791	0.039	14.975	0.1	0.01	0.3	OK
FEH: 100 years: +40 %: 2880 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.792	0.043	15.432	0.1	0.01	0.3	OK
FEH: 100 years: +40 %: 2880 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.790	0.033	15.479	0.1	0.01	0.2	OK
FEH: 100 years: +40 %: 4320 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.790	0.035	16.284	0.1	0.01	0.2	OK
FEH: 100 years: +40 %: 4320 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.788	0.027	16.333	0.1	0	0.2	OK
FEH: 100 years: +40 %: 5760 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.789	0.031	17.099	0.1	0	0.2	OK
FEH: 100 years: +40 %: 5760 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.788	0.024	16.921	0.1	0	0.1	OK
FEH: 100 years: +40 %: 7200 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.788	0.028	18.065	0.1	0	0.2	OK
FEH: 100 years: +40 %: 7200 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.787	0.022	17.881	0.1	0	0.1	OK
FEH: 100 years: +40 %: 8640 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.788	0.026	18.552	0.1	0	0.1	OK
FEH: 100 years: +40 %: 8640 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.786	0.021	18.768	0.1	0	0.1	OK
FEH: 100 years: +40 %: 10080 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.788	0.024	19.122	0.1	0	0.1	OK

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Type: Connections Summary			SYMMETRYS:								
Storm Phase: Phase											
FEH: 100 years: +40 %: 10080 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.786	0.019	19.716	0.1	0	0.1	OK

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Report Details: Type: Connections Summary Storm Phase: Phase	SYMMETRYS:		





FEH: 100 years: Increase Rainfall (%): +40: Summary Results for Pipe (4): Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +40 %: 15 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	11.013	0.100	0.012	0.5	0.2	1.6	Surcharged
FEH: 100 years: +40 %: 15 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	11.013	0.100	0.017	0.6	0.2	1.6	Surcharged
FEH: 100 years: +40 %: 30 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	11.087	0.100	0.080	0.6	0.23	1.9	Surcharged
FEH: 100 years: +40 %: 30 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	11.086	0.100	0.088	0.6	0.23	1.9	Surcharged
FEH: 100 years: +40 %: 60 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	11.109	0.100	3.244	0.6	0.24	1.9	Surcharged
FEH: 100 years: +40 %: 60 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	11.111	0.100	3.234	0.6	0.24	1.9	Surcharged
FEH: 100 years: +40 %: 120 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	11.124	0.100	6.168	0.6	0.23	1.9	Surcharged
FEH: 100 years: +40 %: 120 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	11.110	0.100	6.178	0.6	0.23	1.9	Surcharged
FEH: 100 years: +40 %: 180 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	11.109	0.100	7.710	0.6	0.21	1.7	Surcharged
FEH: 100 years: +40 %: 180 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	11.077	0.100	7.749	0.6	0.21	1.7	Surcharged
FEH: 100 years: +40 %: 240 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	11.084	0.100	8.764	0.6	0.18	1.4	Surcharged
FEH: 100 years: +40 %: 240 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	11.031	0.100	8.769	0.6	0.18	1.4	Surcharged
FEH: 100 years: +40 %: 360 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	11.022	0.100	10.062	0.6	0.17	1.4	Surcharged
FEH: 100 years: +40 %: 360 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.936	0.100	10.048	0.6	0.15	1.2	Surcharged
FEH: 100 years: +40 %: 480 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.960	0.100	10.877	0.6	0.15	1.2	Surcharged
FEH: 100 years: +40 %: 480 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.804	0.021	10.843	0.6	0.1	0.8	Surcharged
FEH: 100 years: +40 %: 600 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.902	0.100	11.416	0.6	0.14	1.1	Surcharged
FEH: 100 years: +40 %: 600 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.797	0.020	11.391	0.6	0.08	0.7	Surcharged
FEH: 100 years: +40 %: 720 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.852	0.100	11.849	0.6	0.12	1.0	Surcharged
FEH: 100 years: +40 %: 720 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.791	0.019	11.903	0.6	0.07	0.6	Surcharged
FEH: 100 years: +40 %: 960 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.794	0.020	12.427	0.6	0.08	0.7	Surcharged
FEH: 100 years: +40 %: 960 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.782	0.017	12.476	0.6	0.06	0.5	OK
FEH: 100 years: +40 %: 1440 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.781	0.017	13.287	0.6	0.06	0.5	OK
FEH: 100 years: +40 %: 1440 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.768	0.015	13.174	0.5	0.04	0.4	OK
FEH: 100 years: +40 %: 2160 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.768	0.015	13.752	0.5	0.05	0.4	OK
FEH: 100 years: +40 %: 2160 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.756	0.013	13.681	0.4	0.03	0.3	OK

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FEH: 100 years: +40 %: 2880 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.759	0.014	14.272	0.5	0.04	0.3	OK
FEH: 100 years: +40 %: 2880 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.748	0.011	14.428	0.4	0.03	0.2	OK
FEH: 100 years: +40 %: 4320 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.749	0.012	15.347	0.4	0.03	0.2	OK
FEH: 100 years: +40 %: 4320 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.737	0.009	15.191	0.4	0.02	0.1	OK
FEH: 100 years: +40 %: 5760 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.742	0.010	15.485	0.4	0.02	0.2	OK
FEH: 100 years: +40 %: 5760 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.732	0.008	15.617	0.3	0.01	0.1	OK
FEH: 100 years: +40 %: 7200 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.737	0.009	15.959	0.4	0.02	0.1	OK
FEH: 100 years: +40 %: 7200 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.729	0.008	15.719	0.3	0.01	0.1	OK
FEH: 100 years: +40 %: 8640 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.734	0.009	16.271	0.4	0.02	0.1	OK
FEH: 100 years: +40 %: 8640 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.725	0.007	16.061	0.3	0.01	0.1	OK
FEH: 100 years: +40 %: 10080 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.731	0.008	17.045	0.3	0.01	0.1	OK
FEH: 100 years: +40 %: 10080 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.722	0.007	16.919	0.3	0.01	0.1	OK

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Report Details: Type: Connections Summary Storm Phase: Phase	SYMMETRYS:			



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Pipe: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.597	0.064	0.358	0.3	0.03	0.5	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.597	0.061	0.354	0.3	0.03	0.5	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.597	0.058	0.530	0.3	0.03	0.5	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.597	0.054	0.533	0.3	0.03	0.5	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.596	0.049	0.739	0.3	0.03	0.5	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.595	0.038	0.739	0.3	0.02	0.4	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.596	0.044	1.281	0.3	0.02	0.4	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.594	0.028	1.262	0.3	0.02	0.3	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.594	0.034	1.671	0.3	0.02	0.4	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.593	0.020	1.675	0.3	0.02	0.3	OK
FEH: 2 years: +0 %: 240 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.594	0.028	1.981	0.3	0.02	0.3	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.592	0.016	1.964	0.3	0.01	0.2	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.593	0.019	2.394	0.3	0.01	0.3	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.591	0.013	2.399	0.3	0.01	0.2	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.592	0.014	2.635	0.3	0.01	0.2	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.590	0.012	2.611	0.2	0.01	0.2	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.591	0.013	2.829	0.3	0.01	0.2	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.590	0.011	2.852	0.2	0.01	0.1	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.591	0.012	3.025	0.3	0.01	0.2	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.589	0.011	2.961	0.2	0.01	0.1	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.590	0.012	3.301	0.2	0.01	0.2	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.589	0.010	3.265	0.2	0.01	0.1	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.589	0.010	3.498	0.2	0.01	0.1	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.588	0.009	3.563	0.2	0	0.1	OK
FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.588	0.009	3.769	0.2	0	0.1	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.587	0.007	3.710	0.2	0	0.1	OK

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FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.587	0.008	4.201	0.2	0	0.1	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.586	0.007	4.099	0.2	0	0.1	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.586	0.007	4.342	0.2	0	0.1	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.585	0.006	4.660	0.2	0	0.0	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.586	0.007	4.354	0.2	0	0.1	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.585	0.005	4.558	0.2	0	0.0	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.586	0.006	4.654	0.2	0	0.1	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.584	0.004	4.660	0.2	0	0.0	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.585	0.006	4.756	0.2	0	0.0	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.584	0.004	5.176	0.2	0	0.0	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	SWMH01	SWMH02	11.280	10.585	0.005	4.948	0.2	0	0.0	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	SWMH01	SWMH02	11.280	10.584	0.004	5.554	0.2	0	0.0	OK

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Report Details: Type: Connections Summary Storm Phase: Phase	SYMMETRYS:			



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Pipe (1): Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.522	0.146	1.292	0.3	0.07	1.6	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.517	0.141	1.291	0.3	0.07	1.6	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.511	0.134	1.718	0.3	0.07	1.6	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.504	0.127	1.727	0.3	0.06	1.5	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.495	0.118	2.180	0.4	0.06	1.4	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.473	0.096	2.180	0.4	0.05	1.2	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.485	0.108	3.359	0.4	0.06	1.3	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.455	0.077	3.340	0.2	0.04	1.0	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.466	0.089	4.127	0.3	0.05	1.1	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.440	0.062	4.138	0.2	0.04	0.8	OK
FEH: 2 years: +0 %: 240 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.454	0.077	4.702	0.3	0.04	1.0	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.431	0.053	4.655	0.3	0.03	0.7	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.437	0.059	5.452	0.2	0.03	0.8	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.427	0.044	5.432	0.2	0.02	0.5	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.429	0.050	5.885	0.2	0.03	0.7	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.426	0.039	5.872	0.2	0.02	0.4	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.427	0.046	6.228	0.2	0.02	0.6	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.425	0.036	6.257	0.3	0.02	0.4	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.426	0.042	6.545	0.2	0.02	0.5	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.424	0.034	6.463	0.3	0.01	0.3	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.425	0.037	7.146	0.2	0.02	0.4	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.423	0.030	7.032	0.2	0.01	0.3	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.423	0.032	7.835	0.1	0.01	0.3	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.422	0.026	7.846	0.1	0.01	0.2	OK
FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.422	0.027	7.980	0.1	0.01	0.2	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.420	0.022	7.975	0.1	0.01	0.2	OK

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FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.421	0.025	8.274	0.1	0.01	0.2	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.420	0.020	8.281	0.1	0.01	0.1	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.420	0.021	8.530	0.1	0.01	0.1	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.419	0.018	9.016	0.1	0	0.1	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.420	0.020	8.644	0.1	0.01	0.1	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.418	0.016	9.190	0.1	0	0.1	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.419	0.019	9.232	0.1	0	0.1	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.417	0.013	9.496	0.1	0	0.1	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.419	0.018	9.622	0.1	0	0.1	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.417	0.013	10.570	0.1	0	0.1	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	SWMH02	SWMH03-FC	11.820	10.418	0.017	9.910	0.1	0	0.1	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	SWMH02	SWMH03-FC	11.820	10.417	0.013	11.362	0.1	0	0.1	OK

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FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Pipe (2): Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.522	0.038	1.985	0.7	0.13	2.6	Surcharged
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.517	0.037	1.979	0.7	0.13	2.5	Surcharged
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.511	0.036	2.743	0.7	0.12	2.4	Surcharged
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.503	0.036	2.746	0.7	0.12	2.3	Surcharged
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.494	0.035	3.489	0.7	0.11	2.2	Surcharged
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.472	0.032	3.496	0.7	0.1	1.9	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.484	0.034	5.320	0.7	0.1	2.1	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.453	0.030	5.296	0.7	0.08	1.6	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.465	0.032	6.448	0.7	0.09	1.8	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.438	0.027	6.484	0.6	0.07	1.3	OK
FEH: 2 years: +0 %: 240 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.453	0.030	7.271	0.6	0.08	1.6	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.428	0.025	7.249	0.6	0.06	1.1	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.434	0.026	8.366	0.6	0.06	1.3	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.415	0.022	8.352	0.5	0.04	0.9	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.424	0.024	8.972	0.6	0.05	1.1	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.406	0.020	8.996	0.5	0.04	0.7	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.417	0.022	9.481	0.6	0.05	0.9	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.400	0.018	9.534	0.5	0.03	0.6	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.410	0.021	9.944	0.5	0.04	0.8	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.396	0.017	9.814	0.5	0.03	0.5	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.402	0.019	10.752	0.5	0.03	0.6	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.390	0.015	10.662	0.4	0.02	0.4	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.393	0.016	11.834	0.5	0.02	0.5	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.383	0.013	11.736	0.4	0.02	0.3	OK
FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.385	0.014	12.274	0.4	0.02	0.3	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.376	0.012	12.377	0.4	0.01	0.2	OK

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FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.381	0.013	12.904	0.4	0.01	0.3	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.373	0.010	12.671	0.3	0.01	0.2	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.376	0.011	13.202	0.4	0.01	0.2	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.370	0.009	14.150	0.3	0.01	0.1	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.373	0.010	13.484	0.3	0.01	0.2	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.368	0.009	14.018	0.3	0.01	0.1	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.372	0.010	14.240	0.3	0.01	0.2	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.363	0.007	14.588	0.3	0	0.1	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.370	0.009	14.804	0.3	0.01	0.1	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.363	0.007	16.064	0.3	0	0.1	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.369	0.009	15.350	0.3	0.01	0.1	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	SWMH0 3-FC	EXMH00 1	12.150	10.363	0.007	17.288	0.3	0	0.1	OK

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Report Details: Type: Connections Summary Storm Phase: Phase	SYMMETRYS:		





FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Pipe (3): Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.799	0.095	0.755	0.2	0.03	1.1	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.799	0.092	0.752	0.2	0.02	1.1	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.799	0.090	1.062	0.1	0.03	1.1	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.799	0.086	1.057	0.1	0.02	1.0	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.799	0.081	1.333	0.1	0.02	1.0	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.797	0.070	1.339	0.1	0.02	0.8	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.798	0.076	1.981	0.1	0.02	0.9	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.796	0.060	1.975	0.1	0.02	0.6	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.797	0.066	2.337	0.1	0.02	0.7	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.795	0.052	2.361	0.1	0.01	0.5	OK
FEH: 2 years: +0 %: 240 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.796	0.060	2.582	0.1	0.02	0.6	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.793	0.047	2.607	0.1	0.01	0.4	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.794	0.050	2.923	0.1	0.01	0.5	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.792	0.040	2.930	0.1	0.01	0.3	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.793	0.045	3.095	0.1	0.01	0.4	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.791	0.035	3.131	0.1	0.01	0.3	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.792	0.041	3.259	0.1	0.01	0.3	OK

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FEH: 2 years: +0 %: 600 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.790	0.032	3.283	0.1	0.01	0.2	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.791	0.037	3.404	0.1	0.01	0.3	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.789	0.030	3.356	0.1	0	0.2	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.790	0.033	3.610	0.1	0.01	0.2	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.788	0.026	3.634	0.1	0	0.2	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.789	0.028	4.001	0.1	0	0.2	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.787	0.022	3.894	0.1	0	0.1	OK
FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.787	0.024	4.297	0.1	0	0.1	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.786	0.019	4.405	0.1	0	0.1	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.787	0.022	4.633	0.1	0	0.1	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.785	0.017	4.393	0.1	0	0.1	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.786	0.019	4.673	0.1	0	0.1	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.785	0.015	5.135	0.1	0	0.1	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.785	0.017	4.841	0.1	0	0.1	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.785	0.014	4.829	0.1	0	0.1	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.785	0.017	5.009	0.1	0	0.1	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.784	0.012	5.095	0.1	0	0.0	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.785	0.015	5.183	0.1	0	0.1	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.784	0.012	5.495	0.1	0	0.0	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.785	0.015	5.443	0.1	0	0.1	OK

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Storm Phase: Phase											
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	Porous Paving FG	SWMH03 -FC	12.025	11.784	0.012	5.929	0.1	0	0.0	OK

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Report Details:	SYMMETRYS:			
Type: Connections Summary Storm Phase: Phase				



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Pipe (4): Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.716	0.017	0.367	0.6	0.06	0.5	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.716	0.017	0.363	0.6	0.06	0.5	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.719	0.018	0.536	0.6	0.07	0.5	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.719	0.017	0.539	0.6	0.06	0.5	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.721	0.016	0.744	0.6	0.06	0.5	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.721	0.015	0.744	0.5	0.05	0.4	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.729	0.016	1.286	0.5	0.05	0.4	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.729	0.014	1.267	0.5	0.04	0.3	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.732	0.015	1.675	0.5	0.05	0.4	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.732	0.013	1.679	0.5	0.03	0.3	OK
FEH: 2 years: +0 %: 240 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.734	0.014	1.985	0.5	0.04	0.3	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.734	0.012	1.968	0.4	0.03	0.2	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.735	0.013	2.397	0.5	0.03	0.3	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.734	0.011	2.402	0.4	0.02	0.2	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.735	0.012	2.638	0.4	0.03	0.2	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.733	0.010	2.614	0.4	0.02	0.2	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.734	0.011	2.831	0.4	0.02	0.2	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.732	0.010	2.854	0.4	0.02	0.1	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.733	0.011	3.027	0.4	0.02	0.2	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.730	0.009	2.963	0.4	0.02	0.1	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.731	0.010	3.303	0.4	0.02	0.2	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.728	0.008	3.267	0.3	0.01	0.1	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.728	0.009	3.500	0.3	0.01	0.1	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.724	0.008	3.564	0.3	0.01	0.1	OK
FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.724	0.008	3.770	0.3	0.01	0.1	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.720	0.007	3.711	0.3	0.01	0.1	OK

139 Cranley Gardens:	Date: 20/08/2026		
	Designed by: CE	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase	SYMMETRYS:		



FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.722	0.007	4.202	0.3	0.01	0.1	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.718	0.006	4.100	0.3	0.01	0.1	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.719	0.006	4.343	0.3	0.01	0.1	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.713	0.005	4.661	0.3	0	0.0	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.717	0.006	4.355	0.3	0.01	0.1	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.713	0.005	4.559	0.3	0	0.0	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.716	0.006	4.655	0.3	0.01	0.1	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.710	0.004	4.661	0.3	0	0.0	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.713	0.005	4.757	0.3	0	0.0	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.710	0.004	5.177	0.3	0	0.0	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	Porous Paving P	SWMH01	11.300	10.713	0.005	4.949	0.3	0	0.0	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	Porous Paving P	SWMH01	11.300	10.710	0.004	5.555	0.3	0	0.0	OK

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Inflow Results Storm Phase: Phase	SYMMETRYS:			



Catchment Area
Critical by Return Period: FEH: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	6.4
Total Inflow Volume (m³)	2.777

Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	1.4
10	6.4
15	1.5
20	0.0
25	0.0
30	0.0

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Inflow Results Storm Phase: Phase	SYMMETRYS:			



Catchment Area (1)
Critical by Return Period: FEH: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	2.7
Total Inflow Volume (m³)	1.155

Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.6
10	2.7
15	0.6
20	0.0
25	0.0
30	0.0

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Inflow Results Storm Phase: Phase	SYMMETRYS:			



Catchment Area (2)
Critical by Return Period: FEH: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	3.0
Total Inflow Volume (m³)	1.302

Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.7
10	3.0
15	0.7
20	0.0
25	0.0
30	0.0

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Inflow Results Storm Phase: Phase	SYMMETRYS:			



Catchment Area (3)
Critical by Return Period: FEH: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	4.0
Total Inflow Volume (m³)	1.739

Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.9
10	4.0
15	0.9
20	0.0
25	0.0
30	0.0

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Inflow Results Storm Phase: Phase	SYMMETRYS:			



Catchment Area (4)
Critical by Return Period: FEH: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	3.6
Total Inflow Volume (m³)	1.575

Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.8
10	3.6
15	0.8
20	0.0
25	0.0
30	0.0

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Inflow Results Storm Phase: Phase	SYMMETRYS:			



Catchment Area (5)
Critical by Return Period: FEH: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	6.2
Total Inflow Volume (m³)	2.693

Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	1.4
10	6.2
15	1.4
20	0.0
25	0.0
30	0.0

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Inflow Results Storm Phase: Phase	SYMMETRYS:			



Catchment Area (4) (1)
Critical by Return Period: FEH: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	3.2
Total Inflow Volume (m³)	1.410

Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.7
10	3.2
15	0.7
20	0.0
25	0.0
30	0.0

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: Phase	SYMMETRYS:			



SWMH01
Critical by Return Period: FEH: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Manhole

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.000	0.000	0.000	0.0
5	0.2	0.2	0.2	0.008	0.003	0.000	0.1
10	-7.6	-7.6	9.6	0.361	0.120	0.000	-9.6
15	-4.5	-4.5	4.3	0.550	0.182	0.000	-4.3
20	0.4	0.4	0.4	0.536	0.178	0.000	0.6
25	1.4	1.4	1.4	0.484	0.161	0.000	1.6
30	1.6	1.6	1.6	0.429	0.142	0.000	1.8

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by:	Checked by:	Approved By:	
	CE			
Report Details: Type: Junction Results Storm Phase: Phase	SYMMETRYS:			

Time (mins)	Total Outflow (L/s)
0	0.0
5	0.1
10	-9.6
15	-4.3
20	0.6
25	1.6
30	1.8

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: Phase	SYMMETRYS:			



SWMH02
Critical by Return Period: FEH: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Manhole

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Inlet (1)(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)
0	0.0	0.0	0.0	0.0	0.000	0.000	0.000
5	2.4	2.3	0.1	2.4	0.052	0.017	0.000
10	0.6	10.2	-9.6	11.9	0.587	0.195	0.000
15	-2.0	2.3	-4.3	3.9	0.725	0.241	0.000
20	0.6	0.0	0.6	0.6	0.703	0.233	0.000
25	1.6	0.0	1.6	1.6	0.650	0.216	0.000
30	1.8	0.0	1.8	1.8	0.594	0.197	0.000

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by:	Checked by:	Approved By:	
	CE			
Report Details: Type: Junction Results Storm Phase: Phase	SYMMETRYS:			

Time (mins)	Outlet(L/s)	Total Outflow (L/s)
0	0.0	0.0
5	1.5	1.5
10	-1.7	-1.7
15	-1.5	-1.5
20	0.8	0.8
25	1.9	1.9
30	2.1	2.1

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: Phase	SYMMETRYS:			



SWMH03-FC
Critical by Return Period: FEH: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Manhole

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.000	0.000	0.000	0.0
5	2.5	2.5	2.5	0.120	0.136	0.000	1.8
10	4.8	4.8	6.5	0.659	0.745	0.000	2.5
15	2.3	2.3	3.8	0.797	0.901	0.000	2.8
20	2.5	2.5	2.5	0.774	0.875	0.000	2.7
25	2.4	2.4	2.4	0.720	0.814	0.000	2.6
30	2.3	2.3	2.3	0.664	0.751	0.000	2.5

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by:	Checked by:	Approved By:	
	CE			
Report Details: Type: Junction Results Storm Phase: Phase	SYMMETRYS:			

Time (mins)	Total Outflow (L/s)
0	0.0
5	1.8
10	2.5
15	2.8
20	2.7
25	2.6
30	2.5

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: Phase	SYMMETRYS:			



EXMH001
Critical by Return Period: FEH: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Manhole

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Free Discharge (L/s)
0	0.0	0.0	0.0	0.000	0.000	0.000	0.0
5	1.7	1.7	1.7	0.029	0.000	0.000	1.7
10	2.5	2.5	2.5	0.035	0.000	0.000	2.5
15	2.8	2.8	2.8	0.038	0.000	0.000	2.8
20	2.7	2.7	2.7	0.037	0.000	0.000	2.7
25	2.6	2.6	2.6	0.037	0.000	0.000	2.6
30	2.5	2.5	2.5	0.036	0.000	0.000	2.5

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by:	Checked by:	Approved By:	
	CE			
Report Details: Type: Junction Results Storm Phase: Phase	SYMMETRYS:			

Time (mins)	Total Outflow (L/s)
0	0.0
5	1.7
10	2.5
15	2.8
20	2.7
25	2.6
30	2.5

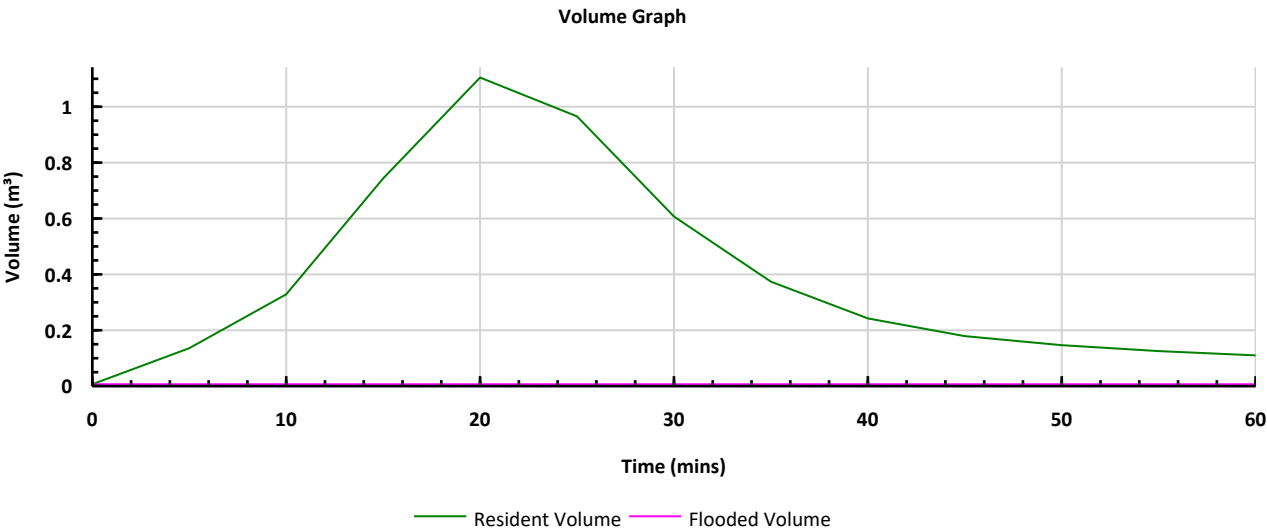
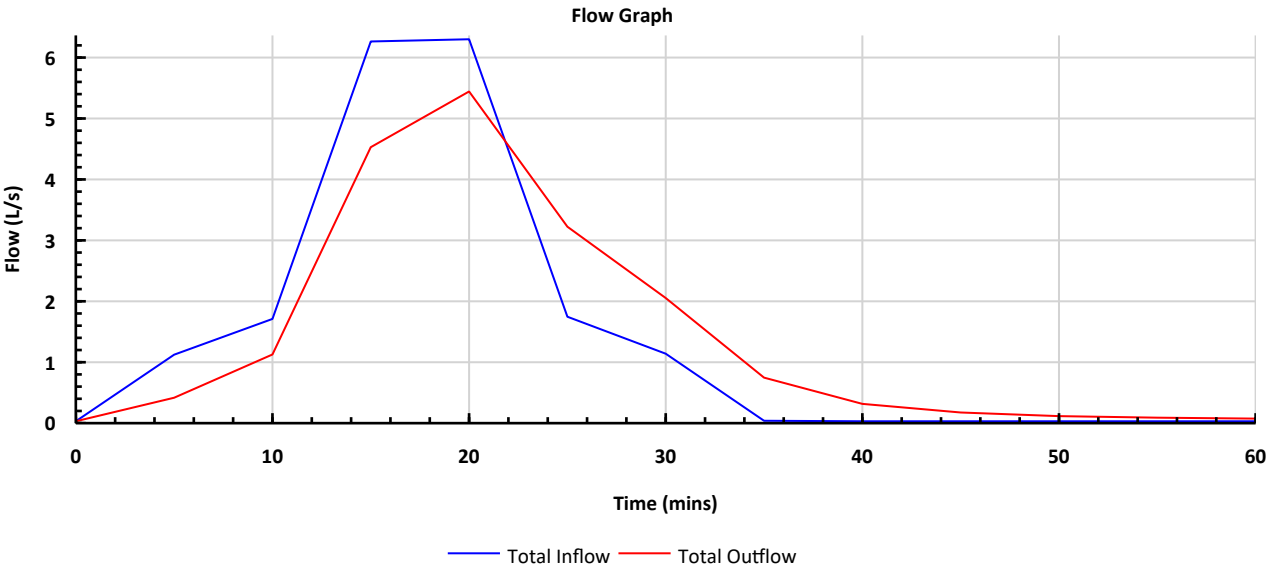
139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
	Report Details: Type: Stormwater Control Results Storm Phase: Phase			
SYMMETRYS:				



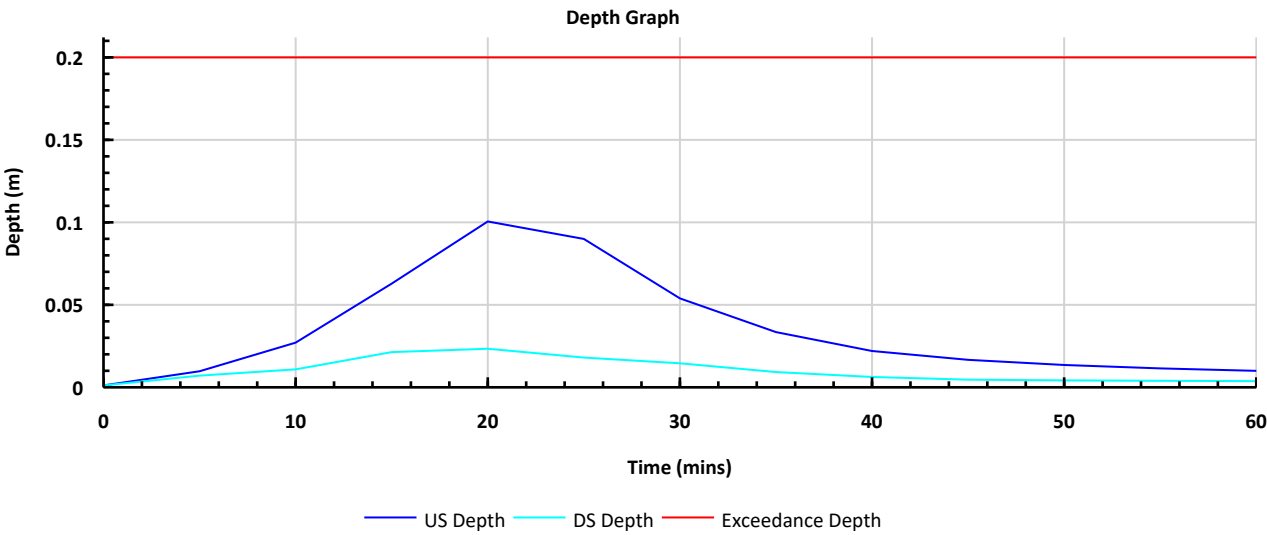
Porous Paving FG
 Critical by Return Period: FEH: 100 years: Increase Rainfall (%): +40: 30 mins: Summer

Type : Porous Paving

Graphs



139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details:	SYMMETRYS:			
Type: Stormwater Control Results Storm Phase: Phase				



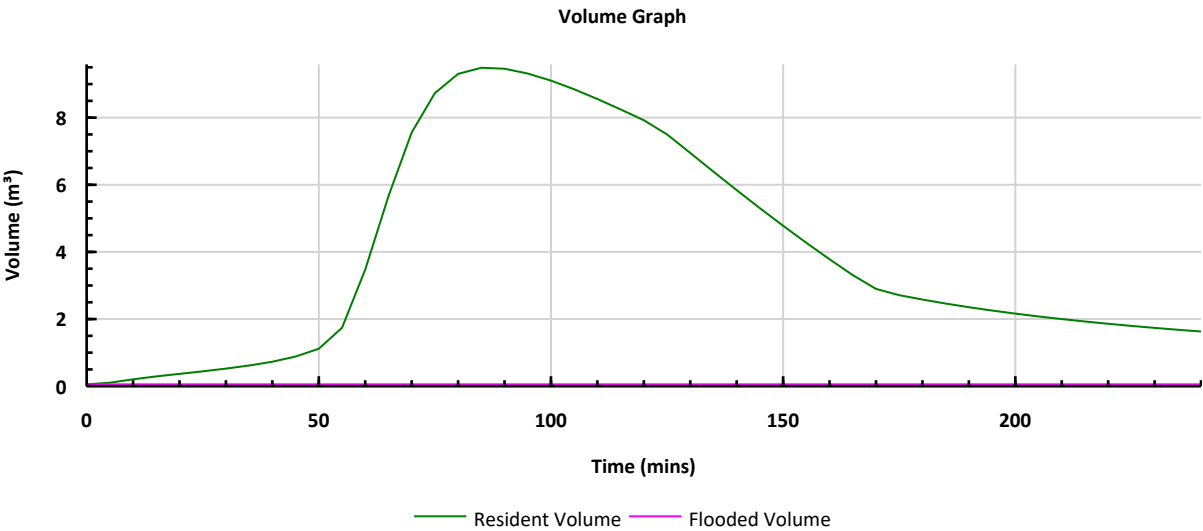
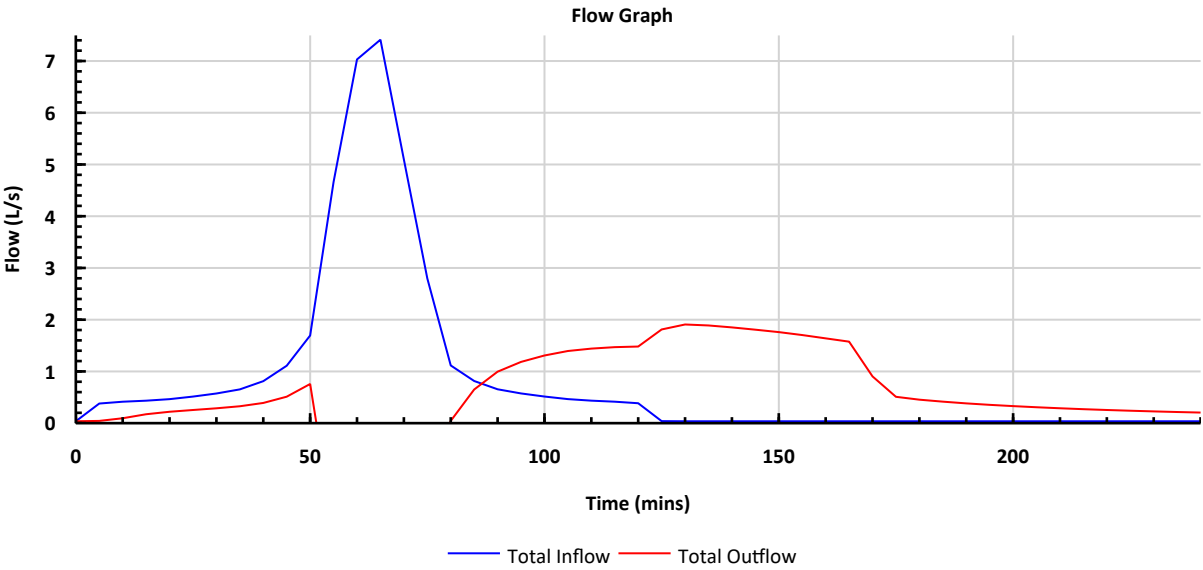
139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Stormwater Control Results Storm Phase: Phase	SYMMETRYS:			



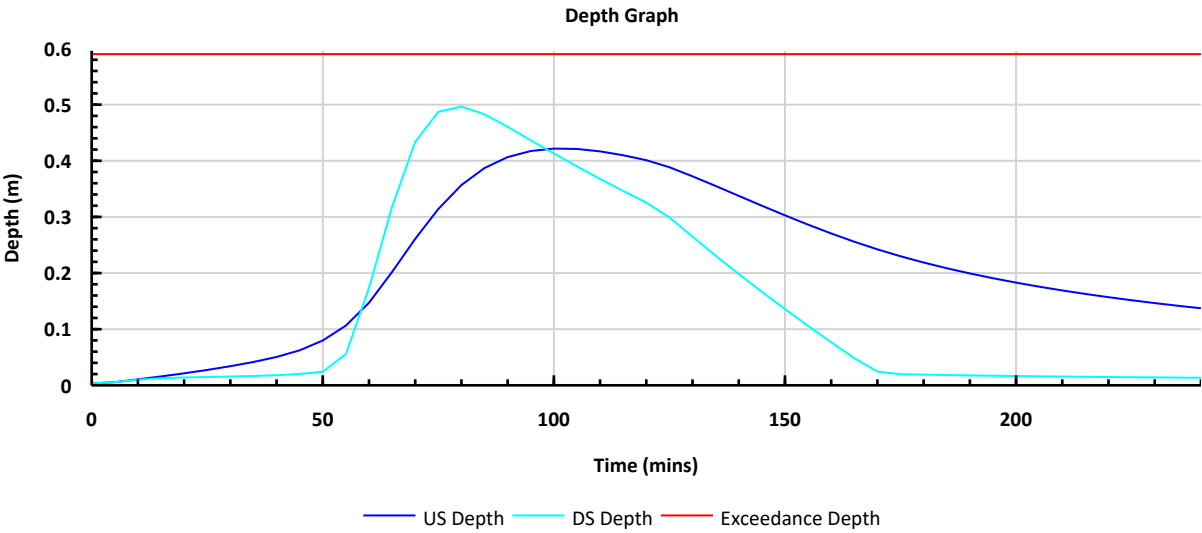
Porous Paving P
Critical by Return Period: FEH: 100 years: Increase Rainfall (%): +40: 120 mins: Summer

Type : Porous Paving

Graphs



139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Stormwater Control Results Storm Phase: Phase	SYMMETRYS:			



139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Inflow Results Storm Phase: Phase	SYMMETRYS:			



Catchment Area
Critical by Return Period: FEH: 2 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	1.4
Total Inflow Volume (m³)	0.586

Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.3
10	1.4
15	0.3
20	0.0
25	0.0
30	0.0

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Inflow Results Storm Phase: Phase	SYMMETRYS:			



Catchment Area (1)
Critical by Return Period: FEH: 2 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	0.6
Total Inflow Volume (m³)	0.248

Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.1
10	0.6
15	0.1
20	0.0
25	0.0
30	0.0

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Inflow Results Storm Phase: Phase	SYMMETRYS:			



Catchment Area (2)
Critical by Return Period: FEH: 2 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	0.6
Total Inflow Volume (m³)	0.275

Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.1
10	0.6
15	0.1
20	0.0
25	0.0
30	0.0

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Inflow Results Storm Phase: Phase	SYMMETRYS:			



Catchment Area (3)
Critical by Return Period: FEH: 2 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	0.8
Total Inflow Volume (m³)	0.368

Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.2
10	0.8
15	0.2
20	0.0
25	0.0
30	0.0

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Inflow Results Storm Phase: Phase	SYMMETRYS:			



Catchment Area (4)
Critical by Return Period: FEH: 2 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	0.8
Total Inflow Volume (m³)	0.332

Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.2
10	0.8
15	0.2
20	0.0
25	0.0
30	0.0

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Inflow Results Storm Phase: Phase	SYMMETRYS:			



Catchment Area (5)
Critical by Return Period: FEH: 2 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	1.3
Total Inflow Volume (m³)	0.568

Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.3
10	1.3
15	0.3
20	0.0
25	0.0
30	0.0

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Inflow Results Storm Phase: Phase	SYMMETRYS:			



Catchment Area (4) (1)
Critical by Return Period: FEH: 2 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	0.7
Total Inflow Volume (m³)	0.296

Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.1
10	0.7
15	0.2
20	0.0
25	0.0
30	0.0

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: Phase	SYMMETRYS:			



SWMH01
Critical by Return Period: FEH: 2 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Manhole

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.000	0.000	0.000	0.0
5	0.0	0.0	0.0	0.000	0.000	0.000	0.0
10	0.4	0.4	0.4	0.013	0.004	0.000	0.3
15	0.5	0.5	0.5	0.017	0.006	0.000	0.5
20	0.2	0.2	0.2	0.012	0.004	0.000	0.2
25	0.1	0.1	0.1	0.009	0.003	0.000	0.1
30	0.1	0.1	0.1	0.007	0.002	0.000	0.1

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by:	Checked by:	Approved By:	
	CE			
Report Details: Type: Junction Results Storm Phase: Phase	SYMMETRYS:			

Time (mins)	Total Outflow (L/s)
0	0.0
5	0.0
10	0.3
15	0.5
20	0.2
25	0.1
30	0.1

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: Phase	SYMMETRYS:			



SWMH02
Critical by Return Period: FEH: 2 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Manhole

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Inlet (1)(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)
0	0.0	0.0	0.0	0.0	0.000	0.000	0.000
5	0.5	0.5	0.0	0.5	0.014	0.005	0.000
10	2.5	2.2	0.3	2.5	0.069	0.023	0.000
15	1.0	0.5	0.5	1.0	0.110	0.037	0.000
20	0.2	0.0	0.2	0.2	0.028	0.009	0.000
25	0.1	0.0	0.1	0.1	0.007	0.002	0.000
30	0.1	0.0	0.1	0.1	0.005	0.002	0.000

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details:	SYMMETRYS:			
Type: Junction Results Storm Phase: Phase				

Time (mins)	Outlet(L/s)	Total Outflow (L/s)
0	0.0	0.0
5	0.5	0.5
10	1.6	1.6
15	1.4	1.4
20	0.6	0.6
25	0.1	0.1
30	0.1	0.1

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: Phase	SYMMETRYS:			



SWMH03-FC
Critical by Return Period: FEH: 2 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Manhole

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.000	0.000	0.000	0.0
5	0.5	0.5	0.5	0.032	0.036	0.000	0.2
10	2.7	2.7	2.7	0.139	0.157	0.000	2.0
15	2.3	2.3	2.3	0.181	0.205	0.000	2.6
20	1.0	1.0	1.0	0.099	0.112	0.000	1.4
25	0.3	0.3	0.3	0.046	0.052	0.000	0.4
30	0.2	0.2	0.2	0.034	0.038	0.000	0.2

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by:	Checked by:	Approved By:	
	CE			
Report Details: Type: Junction Results Storm Phase: Phase	SYMMETRYS:			

Time (mins)	Total Outflow (L/s)
0	0.0
5	0.2
10	2.0
15	2.6
20	1.4
25	0.4
30	0.2

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: Phase	SYMMETRYS:			



EXMH001
Critical by Return Period: FEH: 2 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Manhole

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Free Discharge (L/s)
0	0.0	0.0	0.0	0.000	0.000	0.000	0.0
5	0.1	0.1	0.1	0.008	0.000	0.000	0.1
10	2.0	2.0	2.0	0.032	0.000	0.000	2.0
15	2.6	2.6	2.6	0.036	0.000	0.000	2.6
20	1.4	1.4	1.4	0.027	0.000	0.000	1.4
25	0.4	0.4	0.4	0.015	0.000	0.000	0.4
30	0.2	0.2	0.2	0.011	0.000	0.000	0.2

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by:	Checked by:	Approved By:	
	CE			
Report Details: Type: Junction Results Storm Phase: Phase	SYMMETRYS:			

Time (mins)	Total Outflow (L/s)
0	0.0
5	0.1
10	2.0
15	2.6
20	1.4
25	0.4
30	0.2

139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Stormwater Control Results Storm Phase: Phase	SYMMETRYS:			

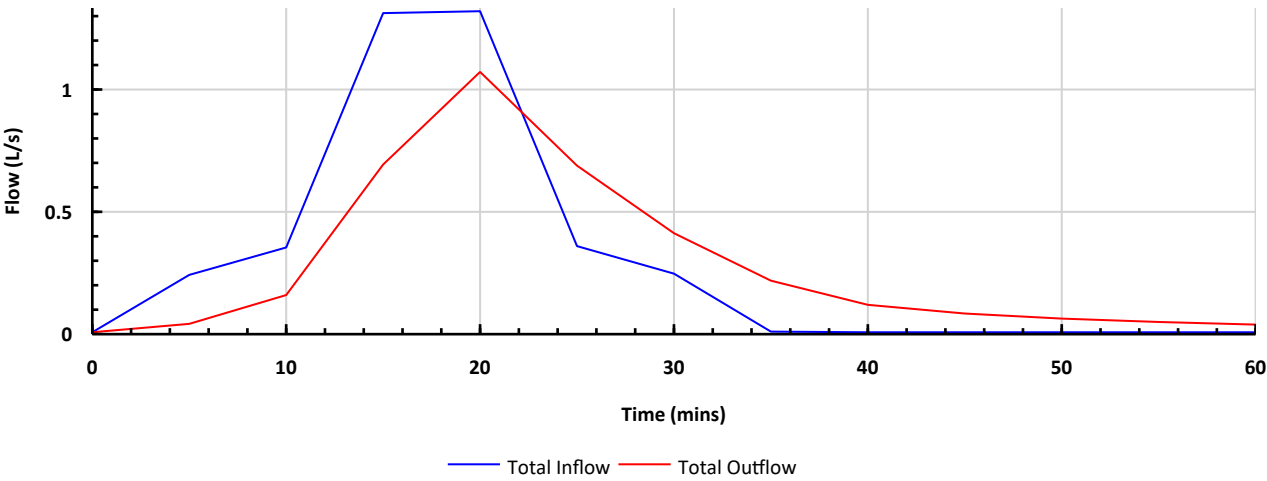


Porous Paving FG
 Critical by Return Period: FEH: 2 years: Increase Rainfall (%): +0: 30 mins: Summer

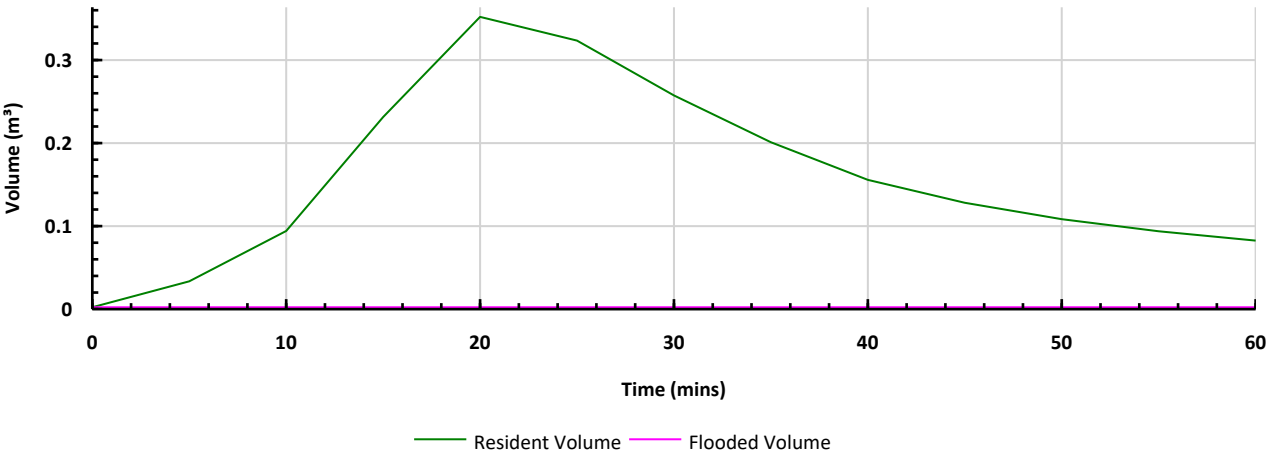
Type : Porous Paving

Graphs

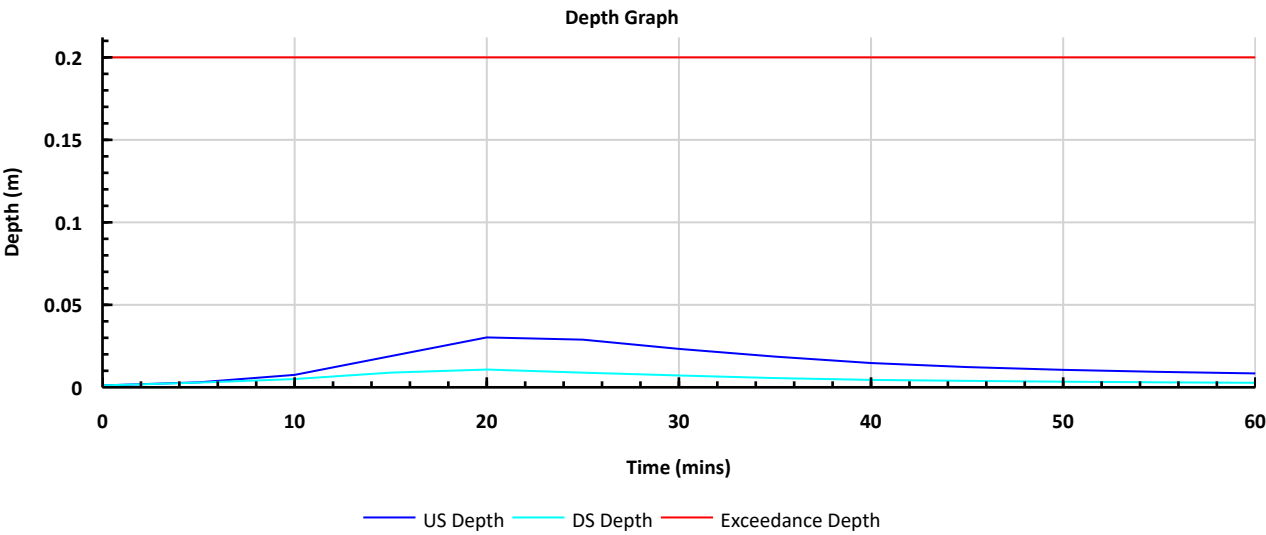
Flow Graph



Volume Graph



139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Stormwater Control Results Storm Phase: Phase	SYMMETRYS:			



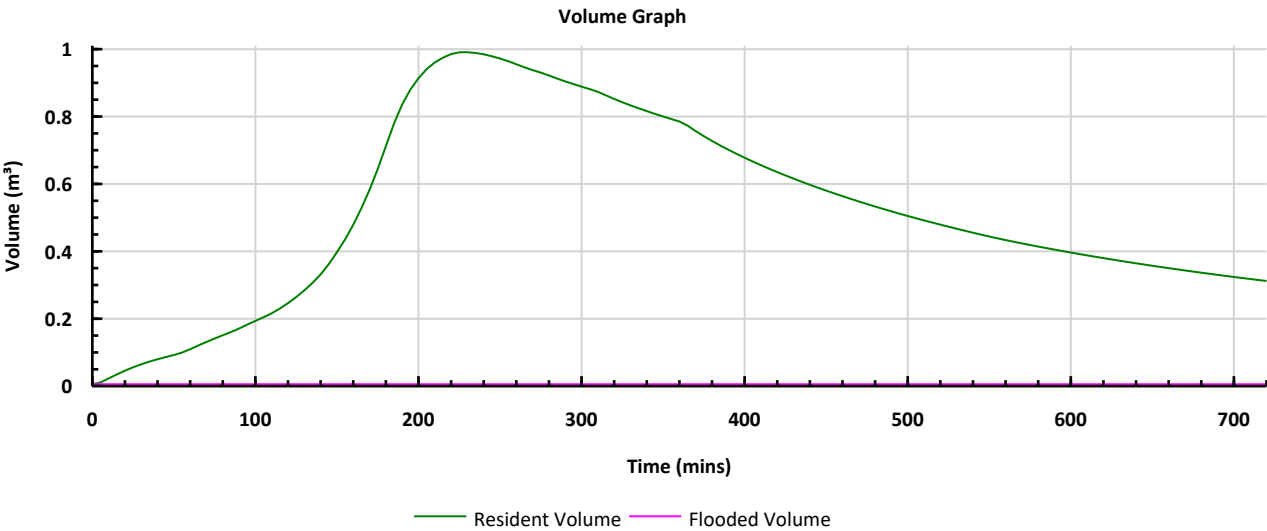
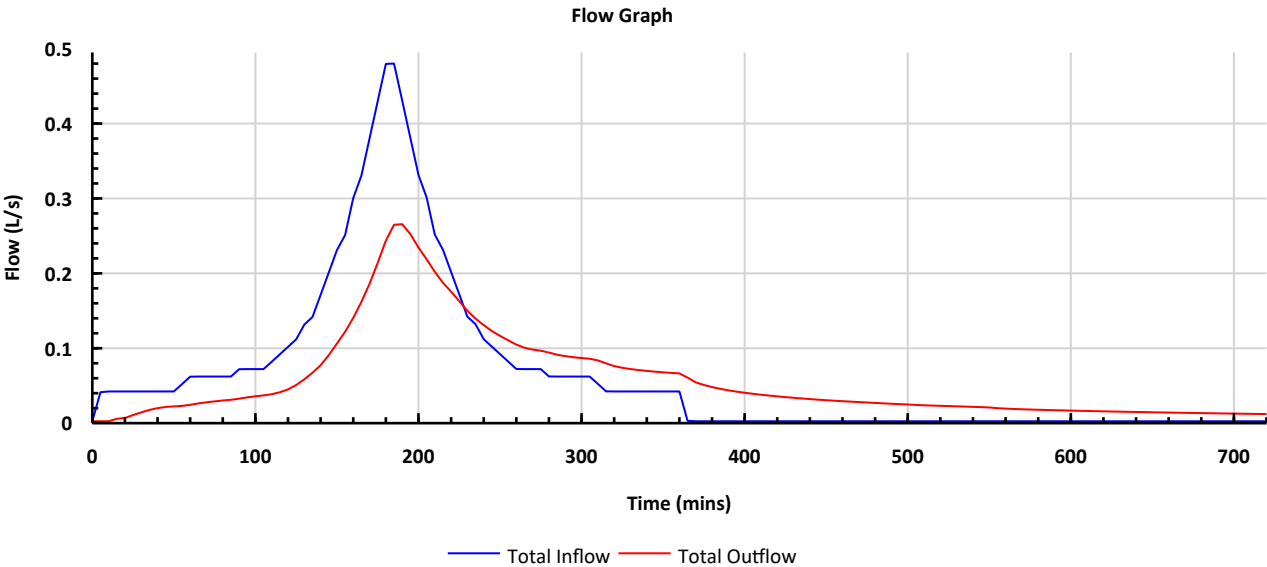
139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Stormwater Control Results Storm Phase: Phase	SYMMETRYS:			



Porous Paving P
 Critical by Return Period: FEH: 2 years: Increase Rainfall (%): +0: 360 mins: Summer

Type : Porous Paving

Graphs



139 Cranley Gardens:	Date: 20/08/2026			
	Designed by: CE	Checked by:	Approved By:	
Report Details: Type: Stormwater Control Results Storm Phase: Phase	SYMMETRYS:			

