

223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
		Designed by: JPR	Checked by: JCM		Approved By: JCM
Report Details: Type: Junctions Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET			

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
1	Manhole	386419.731	403464.237	97.672	5.222	92.450	Circular	2.400
2	Manhole	386430.146	403449.350	97.155	4.750	92.405	Circular	2.400
3	Manhole	386446.634	403425.888	95.246	2.913	92.333	Circular	2.400
4	Manhole	386456.918	403411.770	94.464	2.174	92.290	Circular	2.400
5	Manhole	386464.861	403405.006	94.318	2.054	92.264	Circular	2.700
7	Manhole	386502.765	403382.259	96.100	3.947	92.153	Circular	2.400
8	Manhole	386512.655	403357.121	95.210	1.832	93.378	Circular	1.200
11	Manhole	386494.874	403369.885	95.450	3.361	92.089	Circular	1.200
12	Manhole	386487.440	403373.436	96.054	4.019	92.035	Circular	1.500
6	Manhole	386472.787	403418.220	95.204	2.901	92.303	Circular	2.400
9	Manhole	386521.163	403371.258	95.284	2.071	93.213	Circular	1.200
10	Manhole	386498.731	403375.401	95.700	3.567	92.133	Circular	2.400

Name	Access Required	Intersection Easting (m)	Intersection Northing (m)	Lock
1	☒	386419.731	403464.237	All
2	☒	386430.146	403449.350	All
3	☒	386446.634	403425.888	All
4	☒	386456.918	403411.770	All
5	☒	386464.861	403405.006	All
7	☐			All
8	☒	386512.655	403357.121	None
11	☒	386494.874	403369.885	None
12	☐			All
6	☐			None
9	☐			None
10	☐			None

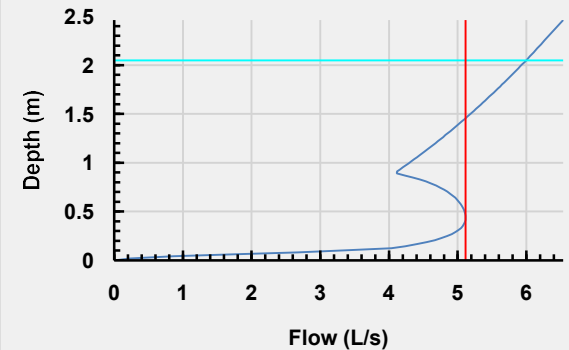
Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
1	Inlet	8 - TOC	(None)	No Restriction
2	Inlet	1.000 7 - TOC	(None)	No Restriction
3	Inlet	1.001 6 - TOC	(None)	No Restriction
4	Inlet	1.002 5 - TOC	(None)	No Restriction
5	Inlet	1.003 2.001	(None)	No Restriction
7	Inlet	1.004	(None)	No Restriction
	Inlet (1)	3.001	(None)	No Restriction
8	Inlet	11 - TOC	(None)	No Restriction
11	Inlet (1)	1.006	(None)	No Restriction
12	Inlet (1)	1.007	(None)	No Restriction
6	Inlet	2.000	(None)	No Restriction
	Inlet (1)	9 - TOC	(None)	No Restriction
9	Inlet	3.000 10 - TOC	(None)	No Restriction
	Inlet (1)	4.000	(None)	No Restriction
10	Inlet	1.005	(None)	No Restriction

223-009: White Moss Road Proposed S.W Network 1 - Rev C	Date: 14/02/2025		
	Designed by: JPR	Checked by: JCM	Approved By: JCM
Report Details: Type: Junctions Storm Phase: 223-009 PROPOSED S.W	AJP: 1 Dale Street L2 2ET		



Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
1	Outlet	1.000	Free Discharge
2	Outlet	1.001	Free Discharge
3	Outlet	1.002	Free Discharge
4	Outlet	1.003	Free Discharge
5	Outlet	1.004	Free Discharge
7	Outlet (1)	1.005	Free Discharge
8	Outlet	3.000	Free Discharge
11	Outlet	1.007	Free Discharge
6	Outlet	2.001	Free Discharge
9	Outlet	3.001	Free Discharge
10	Outlet	1.006	Hydro-Brake®
	Invert Level (m)	92.133	
	Design Depth (m)	2.050	
	Design Flow (L/s)	6.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0100-6000-2050-6000	
			

223-009: White Moss Road Proposed S.W Network 1 - Rev C	Date: 14/02/2025		
	Designed by: JPR	Checked by: JCM	Approved By: JCM
Report Details: Type: Stormwater Controls Storm Phase: 223-009 PROPOSED S.W	AJP: 1 Dale Street L2 2ET		





Tank

Type : Tank

Dimensions

Exceedance Level (m)	96.000
Depth (m)	2.700
Base Level (m)	93.300
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	0.00
Total Volume (m³)	53.100

Depth (m)	Area (m²)	Volume (m³)
0.000	64.00	0.000
0.800	64.00	51.200

Outlets

Outlet

Outgoing Connection	2.000
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	8.000

223-009: White Moss Road Proposed S.W Network 1 - Rev C	Date: 14/02/2025		
	Designed by: JPR	Checked by: JCM	Approved By: JCM
Report Details: Type: Stormwater Controls Storm Phase: 223-009 PROPOSED S.W	AJP: 1 Dale Street L2 2ET		





Tank 2

Type : Tank

Dimensions

Exceedance Level (m)	95.100
Depth (m)	1.700
Base Level (m)	93.400
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	0.00
Total Volume (m³)	69.700

Depth (m)	Area (m²)	Volume (m³)
0.000	86.00	0.000
0.800	86.00	68.800

Outlets

Outlet

Outgoing Connection	4.000
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	16.464

223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
		Designed by: JPR	Checked by: JCM		Approved By: JCM
Report Details: Type: Connections Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET			

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)
1.000	18.169	Pipe	403.756		0.6	900	97.672	92.450
1.001	28.676	Pipe	400.000		0.6	900	97.155	92.405
1.002	17.466	Pipe	400.000		0.6	900	95.246	92.333
1.003	10.433	Pipe	400.000		0.6	900	94.464	92.290
1.004	44.205	Pipe	399.823		0.6	900	94.318	92.264
2.001	15.409	Pipe	390.711		0.6	900	95.204	92.303
2.000	13.750	Pipe	13.791		0.6	150	96.000	93.300
3.000	16.500	Pipe	99.998		0.6	225	95.210	93.378
4.000	4.502	Pipe	24.076		0.6	150	95.100	93.400
1.005	7.956	Pipe	397.823		0.6	900	96.100	92.153
1.006	6.731	Pipe	152.429		0.6	225	95.700	92.133
1.007	8.238	Pipe	152.636		0.6	225	95.450	92.089
3.001	21.436	Pipe	20.223		0.6	225	95.284	93.213

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Lock	Flow Restriction (L/s)
1.000	97.155	92.405	None	
1.001	95.246	92.333	None	
1.002	94.464	92.290	None	
1.003	94.318	92.264	None	
1.004	96.100	92.153	None	
2.001	94.318	92.264	None	
2.000	95.204	92.303	None	
3.000	95.284	93.213	None	
4.000	95.284	93.213	None	
1.005	95.700	92.133	None	
1.006	95.450	92.089	None	6.5
1.007	96.054	92.035	None	
3.001	96.100	92.153	None	

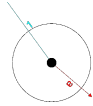
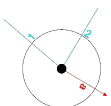
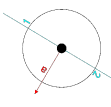
223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
		Designed by: JPR	Checked by: JCM		Approved By: JCM
Report Details: Type: Manhole Schedule Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET			

Setting Out Information	
Easting Origin (m)	0.000
Northing Origin (m)	0.000
Orientation (Degrees anticlockwise from North)	0

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
Intersection (m)				Outgoing Connections				Cover		
1	97.672 92.450		Diameter / Length: 2.400					Manhole - Access Required	{a} Free Discharge	
E:386419.728 N:403464.240	5.222									
IP E:386419.728 IP N:403464.240				{a} 1.000	Pipe	92.450	Diam/Width: 900	Not Applicable		
2	97.155 92.405		Diameter / Length: 2.400	{1} 1.000	Pipe	92.405	Diam/Width: 900	Manhole - Access Required	{a} Free Discharge	
E:386430.143 N:403449.352	4.750									
IP E:386430.143 IP N:403449.352				{a} 1.001	Pipe	92.405	Diam/Width: 900	Not Applicable		
3	95.246 92.333		Diameter / Length: 2.400	{1} 1.001	Pipe	92.333	Diam/Width: 900	Manhole - Access Required	{a} Free Discharge	
E:386446.631 N:403425.891	2.913									
IP E:386446.631 IP N:403425.891				{a} 1.002	Pipe	92.333	Diam/Width: 900	Not Applicable		

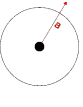
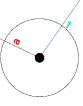
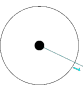
223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
		Designed by: JPR	Checked by: JCM		Approved By: JCM
Report Details: Type: Manhole Schedule Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET			

Setting Out Information	
Easting Origin (m)	0.000
Northing Origin (m)	0.000
Orientation (Degrees anticlockwise from North)	0

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
Intersection (m)				Outgoing Connections				Cover		
4	94.464 92.290		Diameter / Length: 2.400	{1} 1.002	Pipe	92.290	Diam/Width: 900	Manhole - Access Required	{a} Free Discharge	
E:386456.9 15 N:403411.7 73	2.174									
IP E:386456.9 15 IP N:403411.7 73				{a} 1.003	Pipe	92.290	Diam/Width: 900	Not Applicable		
5	94.318 92.264		Diameter / Length: 2.700	{1} 1.003	Pipe	92.264	Diam/Width: 900	Manhole - Access Required	{a} Free Discharge	
E:386464.8 58 N:403405.0 09	2.054			{2} 2.001	Pipe	92.264	Diam/Width: 900			
IP E:386464.8 58 IP N:403405.0 09				{a} 1.004	Pipe	92.264	Diam/Width: 900	Not Applicable		
7	96.100 92.153		Diameter / Length: 2.400	{1} 1.004	Pipe	92.153	Diam/Width: 900	Manhole	{a} Free Discharge	
E:386502.7 62 N:403382.2 62	3.947			{2} 3.001	Pipe	92.153	Diam/Width: 225			
IP E:386502.7 62 IP N:403382.2 62				{a} 1.005	Pipe	92.153	Diam/Width: 900	Not Applicable		

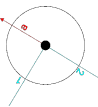
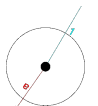
223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
		Designed by: JPR	Checked by: JCM		Approved By: JCM
Report Details: Type: Manhole Schedule Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET			

Setting Out Information	
Easting Origin (m)	0.000
Northing Origin (m)	0.000
Orientation (Degrees anticlockwise from North)	0

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
Intersection (m)				Outgoing Connections				Cover		
8	95.210 93.378		Diameter / Length: 1.200					Manhole - Access Required	{a} Free Discharge	
E:386512.6 52 N:403357.1 24	1.832									
IP E:386512.6 52 IP N:403357.1 24				{a} 3.000	Pipe	93.378	Diam/Width: 225	Not Applicable		
11	95.450 92.089		Diameter / Length: 1.200	{1} 1.006	Pipe	92.089	Diam/Width: 225	Manhole - Access Required	{a} Free Discharge	
E:386494.8 71 N:403369.8 88	3.361									
IP E:386494.8 71 IP N:403369.8 88				{a} 1.007	Pipe	92.089	Diam/Width: 225	Not Applicable		
12	96.054 92.035		Diameter / Length: 1.500	{1} 1.007	Pipe	92.035	Diam/Width: 225	Manhole		
E:386487.4 37 N:403373.4 38	4.019									
IP E:386487.4 37 IP N:403373.4 38								Not Applicable		

223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
		Designed by: JPR	Checked by: JCM		Approved By: JCM
Report Details: Type: Manhole Schedule Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET			

Setting Out Information	
Easting Origin (m)	0.000
Northing Origin (m)	0.000
Orientation (Degrees anticlockwise from North)	0

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
Intersection (m)				Outgoing Connections				Cover		
6	95.204 92.303		Diameter / Length: 2.400	{1} 2.000	Pipe	92.303	Diam/Width: 150	Manhole	{a} Free Discharge	
E:386472.784 N:403418.223	2.901									
IP E:386472.784 IP N:403418.223				{a} 2.001	Pipe	92.303	Diam/Width: 900	Not Applicable		
9	95.284 93.213		Diameter / Length: 1.200	{1} 3.000	Pipe	93.213	Diam/Width: 225	Manhole	{a} Free Discharge	
E:386521.160 N:403371.261	2.071			{2} 4.000	Pipe	93.213	Diam/Width: 150			
IP E:386521.160 IP N:403371.261				{a} 3.001	Pipe	93.213	Diam/Width: 225	Not Applicable		
10	95.700 92.133		Diameter / Length: 2.400	{1} 1.005	Pipe	92.133	Diam/Width: 900	Manhole	{a} Hydro-Brake®	92.133
E:386498.728 N:403375.404	3.567									
IP E:386498.728 IP N:403375.404				{a} 1.006	Pipe	92.133	Diam/Width: 225	Not Applicable		

223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
		Designed by:	Checked by:	Approved By:	
		JPR	JCM	JCM	
Report Details: Type: Inflow Summary Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
5 - TOC	4		Time of Concentration	0.064	100	0	100	0.064
6 - TOC	3		Time of Concentration	0.076	100	0	100	0.076
7 - TOC	2		Time of Concentration	0.026	100	0	100	0.026
8 - TOC	1		Time of Concentration	0.108	100	0	100	0.108
9 - TOC	6		Time of Concentration	0.074	100	0	100	0.074
10 - TOC	9		Time of Concentration	0.057	100	0	100	0.057
11 - TOC	8		Time of Concentration	0.054	100	0	100	0.054
TOTAL		0.0		0.459				0.459

223-009: White Moss Road Proposed S.W Network 1 - Rev C	Date: 14/02/2025		
	Designed by: JPR	Checked by: JCM	Approved By: JCM
Report Details: Type: Network Design Criteria Storm Phase: 223-009 PROPOSED S.W	AJP: 1 Dale Street L2 2ET		



Flow Options

Peak Flow Calculation	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 Inverts
Min. Slope (1:X)	1000.00
Max. Slope (1:X)	40.00
Use Flow Restriction	☒
Reduce Channel Depths	☒

Pipe Size Library

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

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

Manhole Options

Apply Offset	☐
--------------	--------------------------

Manhole Size Library

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

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)	0
Benching Width (mm)	0

223-009: White Moss Road Proposed S.W Network 1 - Rev C	Date: 14/02/2025		
	Designed by: JPR	Checked by: JCM	Approved By: JCM
Report Details: Type: Outfall Details Storm Phase: 223-009 PROPOSED S.W	AJP: 1 Dale Street L2 2ET		



Outfalls

Outfall	Outfall Type	Fixed Surcharged Level (m)	Level Curve
12	Free Discharge		

223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
		Designed by: JPR	Checked by: JCM		Approved By: JCM
Report Details: Type: Inflows Summary Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET			



Sim Criteria FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
8 - TOC	Sim Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.11	12.9	5.984
7 - TOC	Sim Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.03	3.1	1.438
6 - TOC	Sim Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.08	9.1	4.216
5 - TOC	Sim Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.06	7.6	3.550
9 - TOC	Sim Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.07	8.8	4.103
11 - TOC	Sim Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.05	6.4	2.993
10 - TOC	Sim Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.06	6.8	3.161

223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
		Designed by: JPR	Checked by: JCM		Approved By: JCM
Report Details: Type: Inflows Summary Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET			



Sim Criteria FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
8 - TOC	Sim Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.11	31.6	14.656
7 - TOC	Sim Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.03	7.6	3.526
6 - TOC	Sim Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.08	22.2	10.312
5 - TOC	Sim Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.06	18.7	8.687
9 - TOC	Sim Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.07	21.6	10.040
11 - TOC	Sim Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.05	15.8	7.325
10 - TOC	Sim Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.06	16.7	7.735

223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
		Designed by: JPR	Checked by: JCM		Approved By: JCM
Report Details: Type: Inflows Summary Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET			



Sim Criteria FSR: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
8 - TOC	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.11	59.1	27.448
7 - TOC	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.03	14.2	6.607
6 - TOC	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.08	41.6	19.316
5 - TOC	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.06	35.0	16.265
9 - TOC	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.07	40.5	18.806
11 - TOC	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.05	29.6	13.727
10 - TOC	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.06	31.2	14.488

223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
		Designed by: JPR	Checked by: JCM		Approved By: JCM
Report Details: Type: Junctions Summary Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET			



Sim Criteria FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

Junction	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
1	Sim Criteria FSR: 1 years: +0 %: 120 mins: Winter	97.672	92.450	92.568	0.118	4.9	0.536	0.000	4.8	14.226	OK
2	Sim Criteria FSR: 1 years: +0 %: 120 mins: Winter	97.155	92.405	92.568	0.163	6.0	0.739	0.000	5.3	17.661	OK
3	Sim Criteria FSR: 1 years: +0 %: 120 mins: Winter	95.246	92.333	92.569	0.235	8.7	1.065	0.000	6.6	27.618	OK
4	Sim Criteria FSR: 1 years: +0 %: 120 mins: Winter	94.464	92.290	92.568	0.278	9.4	1.259	0.000	7.6	36.001	OK
5	Sim Criteria FSR: 1 years: +0 %: 120 mins: Winter	94.318	92.264	92.568	0.304	9.4	1.743	0.000	5.1	45.718	OK
7	Sim Criteria FSR: 1 years: +0 %: 120 mins: Winter	96.100	92.153	92.568	0.415	9.9	1.879	0.000	6.0	59.404	OK
8	Sim Criteria FSR: 1 years: +0 %: 15 mins: Winter	95.210	93.378	93.433	0.055	6.4	0.062	0.000	6.2	2.993	OK
11	Sim Criteria FSR: 1 years: +0 %: 120 mins: Winter	95.450	92.089	92.144	0.056	5.1	0.063	0.000	5.1	58.832	OK
12	Sim Criteria FSR: 1 years: +0 %: 120 mins: Winter	96.054	92.035	92.087	0.053	5.1	0.000	0.000	5.1	58.832	OK
6	Sim Criteria FSR: 1 years: +0 %: 120 mins: Winter	95.204	92.303	92.568	0.265	3.3	1.200	0.000	2.0	9.722	OK
9	Sim Criteria FSR: 1 years: +0 %: 15 mins: Winter	95.284	93.213	93.261	0.048	13.0	0.055	0.000	12.8	6.165	OK
10	Sim Criteria FSR: 1 years: +0 %: 120 mins: Winter	95.700	92.133	92.568	0.435	6.0	1.969	0.000	5.1	58.922	Surcharged

223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
		Designed by: JPR	Checked by: JCM		Approved By: JCM
Report Details: Type: Junctions Summary Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET			



Sim Criteria FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

Junction	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
1	Sim Criteria FSR: 30 years: +0 %: 240 mins: Winter	97.672	92.450	93.123	0.673	7.2	3.043	0.000	5.3	39.318	OK
2	Sim Criteria FSR: 30 years: +0 %: 240 mins: Winter	97.155	92.405	93.123	0.718	7.0	3.247	0.000	4.3	44.764	OK
3	Sim Criteria FSR: 30 years: +0 %: 240 mins: Winter	95.246	92.333	93.123	0.790	8.3	3.573	0.000	5.3	67.751	OK
4	Sim Criteria FSR: 30 years: +0 %: 240 mins: Winter	94.464	92.290	93.122	0.833	8.6	3.767	0.000	6.1	87.254	OK
5	Sim Criteria FSR: 30 years: +0 %: 240 mins: Winter	94.318	92.264	93.122	0.859	9.1	4.917	0.000	4.5	100.258	OK
7	Sim Criteria FSR: 30 years: +0 %: 240 mins: Winter	96.100	92.153	93.123	0.970	10.7	4.386	0.000	6.3	130.968	Surcharged
8	Sim Criteria FSR: 30 years: +0 %: 15 mins: Winter	95.210	93.378	93.467	0.089	15.8	0.101	0.000	15.4	7.324	OK
11	Sim Criteria FSR: 30 years: +0 %: 480 mins: Summer	95.450	92.089	92.145	0.056	5.1	0.063	0.000	5.1	191.550	OK
12	Sim Criteria FSR: 30 years: +0 %: 480 mins: Summer	96.054	92.035	92.088	0.053	5.1	0.000	0.000	5.1	191.550	OK
6	Sim Criteria FSR: 30 years: +0 %: 240 mins: Winter	95.204	92.303	93.123	0.820	4.9	3.708	0.000	3.1	24.685	OK
9	Sim Criteria FSR: 30 years: +0 %: 15 mins: Winter	95.284	93.213	93.291	0.078	32.1	0.089	0.000	31.4	15.002	OK
10	Sim Criteria FSR: 30 years: +0 %: 240 mins: Winter	95.700	92.133	93.123	0.990	6.3	4.477	0.000	5.1	126.739	Surcharged

223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
		Designed by: JPR	Checked by: JCM		Approved By: JCM
Report Details: Type: Junctions Summary Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET			



Sim Criteria FSR: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Depth

Junction	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
1	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	97.67 2	92.45 0	94.033	1.583	10.2	7.160	0.000	9.7	76.695	Surcharged
2	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	97.15 5	92.40 5	94.033	1.628	12.0	7.364	0.000	11.8	77.744	Surcharged
3	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	95.24 6	92.33 3	94.033	1.700	18.6	7.689	0.000	18.3	119.401	Surcharged
4	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	94.46 4	92.29 0	94.033	1.743	24.0	7.886	0.000	23.7	153.853	Surcharged
5	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	94.31 8	92.26 4	94.032	1.768	23.7	10.125	0.000	14.9	188.943	Surcharged
7	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	96.10 0	92.15 3	94.034	1.881	14.9	8.509	0.000	8.3	237.068	Surcharged
8	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	95.21 0	93.37 8	94.033	0.655	5.1	0.741	0.000	5.1	43.358	Surcharged
11	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	95.45 0	92.08 9	92.148	0.059	5.7	0.067	0.000	5.7	216.716	OK
12	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	96.05 4	92.03 5	92.091	0.056	5.7	0.000	0.000	5.7	216.716	OK
6	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	95.20 4	92.30 3	94.033	1.730	18.6	7.826	0.000	3.9	108.561	Surcharged
9	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	95.28 4	93.21 3	94.033	0.820	18.2	0.927	0.000	10.2	156.700	Surcharged
10	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	95.70 0	92.13 3	94.032	1.899	8.3	8.591	0.000	5.7	216.931	Surcharged

223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
		Designed by: JPR	Checked by: JCM		Approved By: JCM
Report Details: Type: Stormwater Controls Summary Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET			



Sim Criteria FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank
By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	Sim Criteria FSR: 1 years: +0 %: 15 mins: Summer	93.300	93.300	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000	100.000	OK
Tank 2	Sim Criteria FSR: 1 years: +0 %: 15 mins: Summer	93.400	93.400	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000	100.000	OK

223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
		Designed by: JPR	Checked by: JCM		Approved By: JCM
Report Details: Type: Stormwater Controls Summary Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET			



Sim Criteria FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank
By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	Sim Criteria FSR: 30 years: +0 %: 15 mins: Summer	93.300	93.300	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000	100.000	OK
Tank 2	Sim Criteria FSR: 30 years: +0 %: 15 mins: Summer	93.400	93.400	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000	100.000	OK

223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
		Designed by: JPR	Checked by: JCM		Approved By: JCM
Report Details: Type: Stormwater Controls Summary Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET			



Sim Criteria FSR: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item:
Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	94.033	94.033	0.733	0.733	18.0	46.896	0.000	0.000	1.9	37.678	11.683	OK
Tank 2	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	94.033	94.033	0.633	0.633	18.1	54.437	0.000	0.000	2.5	50.558	21.898	OK

223-009: White Moss Road Proposed S.W Network 1 - Rev C				Date: 14/02/2025				
				Designed by: JPR	Checked by: JCM	Approved By: JCM		
Report Details: Type: Connections Summary Storm Phase: 223-009 PROPOSED S.W				AJP: 1 Dale Street L2 2ET				



Sim Criteria FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow

Connection	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
1.000	Sim Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	1	2	97.672	92.521	0.071	5.978	0.5	0.01	12.0	OK
1.001	Sim Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	2	3	97.155	92.476	0.106	6.886	0.5	0.01	13.4	OK
1.002	Sim Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	3	4	95.246	92.476	0.164	9.406	0.5	0.02	19.6	OK
1.003	Sim Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	4	5	94.464	92.475	0.199	11.125	0.6	0.02	24.5	OK
1.004	Sim Criteria FSR: 1 years: +0 %: 15 mins: Summer	Pipe	5	7	94.318	92.456	0.248	8.986	0.4	0.02	21.9	OK
2.001	Sim Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	6	5	95.204	92.476	0.192	2.748	0.3	0.01	6.7	OK
2.000	Sim Criteria FSR: 1 years: +0 %: 15 mins: Summer	Pipe	Tank	6	96.000	93.300	0.077	0.000	0.0	0	0.0	OK
3.000	Sim Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	8	9	95.210	93.433	0.052	2.993	0.9	0.12	6.2	OK
4.000	Sim Criteria FSR: 1 years: +0 %: 15 mins: Summer	Pipe	Tank 2	9	95.100	93.400	0.024	0.000	0.0	0	0.0	OK
1.005	Sim Criteria FSR: 1 years: +0 %: 15 mins: Summer	Pipe	7	10	96.100	92.456	0.313	8.415	0.4	0.01	11.3	OK
1.006	Sim Criteria FSR: 1 years: +0 %: 120 mins: Winter	Pipe	10	11	95.700	92.568	0.056	58.888	0.7	0.12	5.1	Surcharged
1.007	Sim Criteria FSR: 1 years: +0 %: 120 mins: Winter	Pipe	11	12	95.450	92.144	0.054	58.832	0.7	0.12	5.1	OK
3.001	Sim Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	9	7	95.284	93.261	0.172	6.165	1.1	0.11	12.8	OK

223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025			
Report Details: Type: Connections Summary Storm Phase: 223-009 PROPOSED S.W		Designed by: JPR	Checked by: JCM		
		Approved By: JCM			
		AJP: 1 Dale Street L2 2ET			



Sim Criteria FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow

Connection	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
1.000	Sim Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	1	2	97.672	92.709	0.281	12.331	0.6	0.03	30.0	OK
1.001	Sim Criteria FSR: 30 years: +0 %: 15 mins: Summer	Pipe	2	3	97.155	92.672	0.302	9.928	0.4	0.03	26.1	OK
1.002	Sim Criteria FSR: 30 years: +0 %: 15 mins: Summer	Pipe	3	4	95.246	92.670	0.358	13.127	0.4	0.03	32.0	OK
1.003	Sim Criteria FSR: 30 years: +0 %: 15 mins: Summer	Pipe	4	5	94.464	92.668	0.391	15.945	0.5	0.03	33.8	OK
1.004	Sim Criteria FSR: 30 years: +0 %: 30 mins: Winter	Pipe	5	7	94.318	92.827	0.619	15.607	0.3	0.02	17.1	OK
2.001	Sim Criteria FSR: 30 years: +0 %: 15 mins: Summer	Pipe	6	5	95.204	92.668	0.384	5.428	0.4	0.01	9.7	OK
2.000	Sim Criteria FSR: 30 years: +0 %: 15 mins: Summer	Pipe	Tank	6	96.000	93.300	0.150	0.000	0.0	0	0.0	OK
3.000	Sim Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	8	9	95.210	93.467	0.084	7.324	1.1	0.3	15.4	OK
4.000	Sim Criteria FSR: 30 years: +0 %: 15 mins: Summer	Pipe	Tank 2	9	95.100	93.400	0.038	0.000	0.0	0	0.0	OK
1.005	Sim Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	7	10	96.100	92.710	0.567	11.541	0.3	0.01	12.7	OK
1.006	Sim Criteria FSR: 30 years: +0 %: 360 mins: Winter	Pipe	10	11	95.700	93.083	0.056	191.493	0.7	0.12	5.1	Surcharged
1.007	Sim Criteria FSR: 30 years: +0 %: 480 mins: Summer	Pipe	11	12	95.450	92.145	0.054	191.550	0.7	0.12	5.1	OK
3.001	Sim Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	9	7	95.284	93.291	0.225	15.002	1.2	0.27	31.4	OK

223-009: White Moss Road Proposed S.W Network 1 - Rev C				Date: 14/02/2025				
Report Details: Type: Connections Summary Storm Phase: 223-009 PROPOSED S.W				Designed by: JPR	Checked by: JCM	Approved By: JCM		
				AJP: 1 Dale Street L2 2ET				



Sim Criteria FSR: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flow

Connection	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
1.000	Sim Criteria FSR: 100 years: +45 %: 15 mins: Summer	Pipe	1	2	97.672	92.975	0.548	18.881	0.5	0.04	41.1	OK
1.001	Sim Criteria FSR: 100 years: +45 %: 120 mins: Winter	Pipe	2	3	97.155	93.893	0.900	45.730	0.3	0.02	19.8	Surcharged
1.002	Sim Criteria FSR: 100 years: +45 %: 120 mins: Winter	Pipe	3	4	95.246	93.893	0.900	68.965	0.4	0.03	30.8	Surcharged
1.003	Sim Criteria FSR: 100 years: +45 %: 120 mins: Winter	Pipe	4	5	94.464	93.892	0.900	89.934	0.5	0.04	40.2	Surcharged
1.004	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	5	7	94.318	93.070	0.862	6.947	0.5	0.02	22.8	OK
2.001	Sim Criteria FSR: 100 years: +45 %: 15 mins: Summer	Pipe	6	5	95.204	92.974	0.691	9.815	0.4	0.02	22.9	OK
2.000	Sim Criteria FSR: 100 years: +45 %: 960 mins: Summer	Pipe	Tank	6	96.000	93.736	0.150	0.000	0.1	0.05	2.3	Surcharged
3.000	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	8	9	95.210	93.508	0.122	13.726	1.3	0.56	29.0	OK
4.000	Sim Criteria FSR: 100 years: +45 %: 30 mins: Winter	Pipe	Tank 2	9	95.100	93.440	0.150	0.000	0.3	0.15	5.4	OK
1.005	Sim Criteria FSR: 100 years: +45 %: 15 mins: Summer	Pipe	7	10	96.100	92.974	0.831	13.340	0.2	0.02	17.5	OK

223-009: White Moss Road Proposed S.W Network 1 - Rev C		Date: 14/02/2025		
		Designed by: JPR	Checked by: JCM	Approved By: JCM
Report Details: Type: Connections Summary Storm Phase: 223-009 PROPOSED S.W		AJP: 1 Dale Street L2 2ET		



1.006	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	Pipe	10	11	95.700	94.032	0.060	216.832	0.7	0.14	5.7	Surcharged
1.007	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	Pipe	11	12	95.450	92.148	0.057	216.716	0.7	0.14	5.7	OK
3.001	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	9	7	95.284	93.328	0.225	28.133	1.5	0.51	59.4	OK

223-009: White Moss Road Proposed S.W Network 1 - Rev C	Date: 14/02/2025		
	Designed by: JPR	Checked by: JCM	Approved By: JCM
Report Details: Type: Phase Management Storm Phase: 223-009 PROPOSED S.W	AJP: 1 Dale Street L2 2ET		



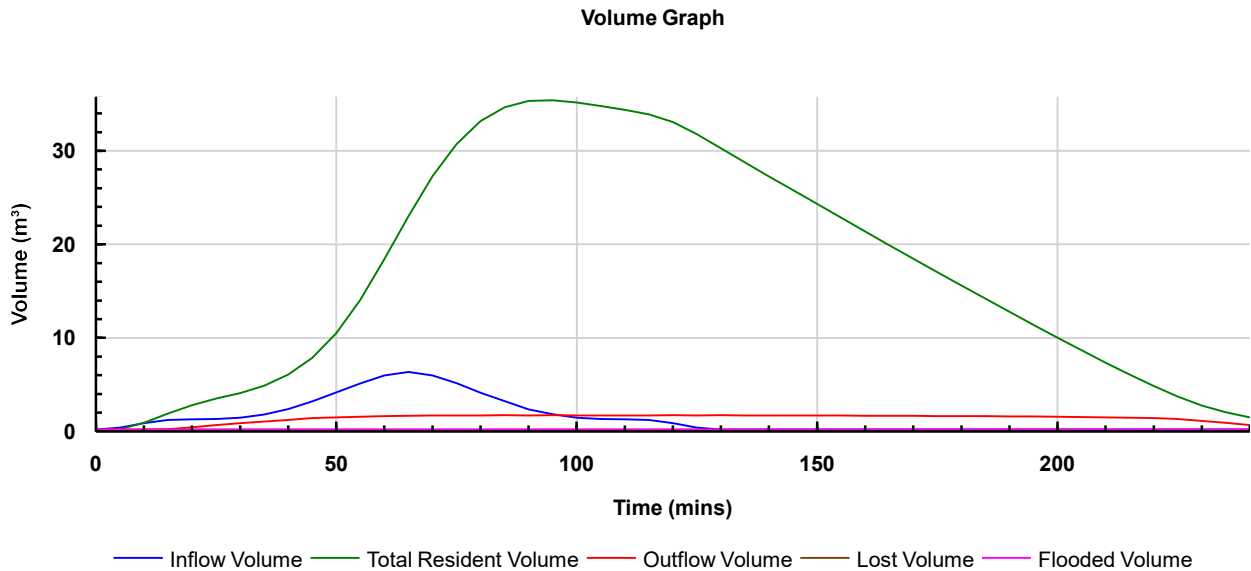
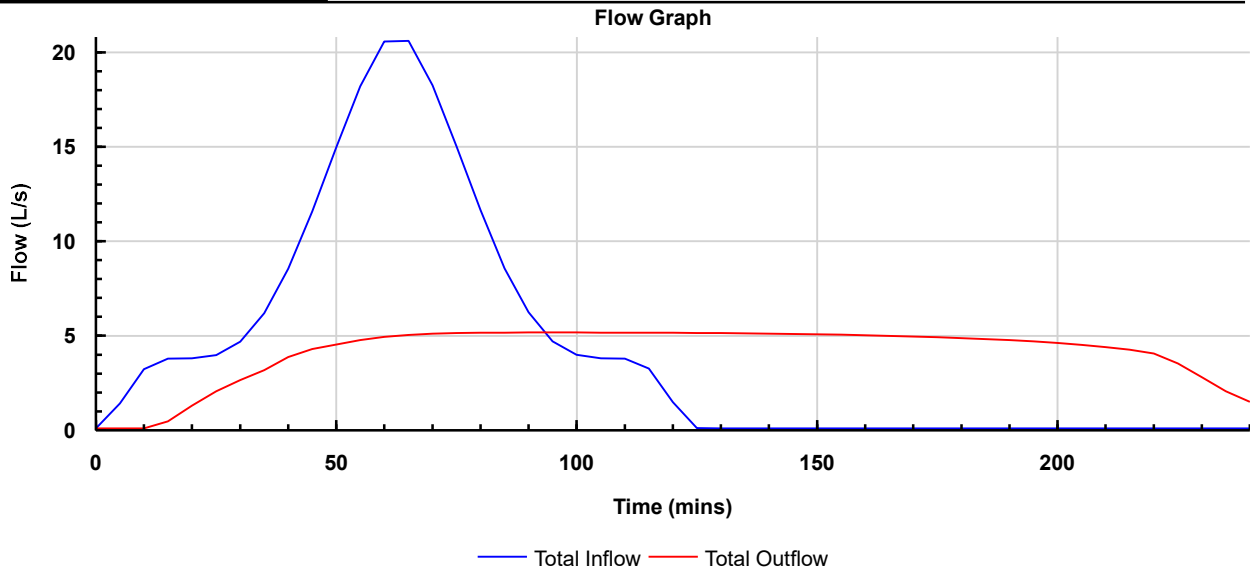


223-009 PROPOSED S.W NETWORK.SWS
Sim Criteria FSR: 1 years: Increase Rainfall (%): +0: 120 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
12			5.1	58.832
TOTAL	20.6	60.283	5.1	58.832

Graphs



223-009: White Moss Road Proposed S.W Network 1 - Rev C	Date: 14/02/2025		
	Designed by: JPR	Checked by: JCM	Approved By: JCM
Report Details: Type: Phase Management Storm Phase: 223-009 PROPOSED S.W	AJP: 1 Dale Street L2 2ET		



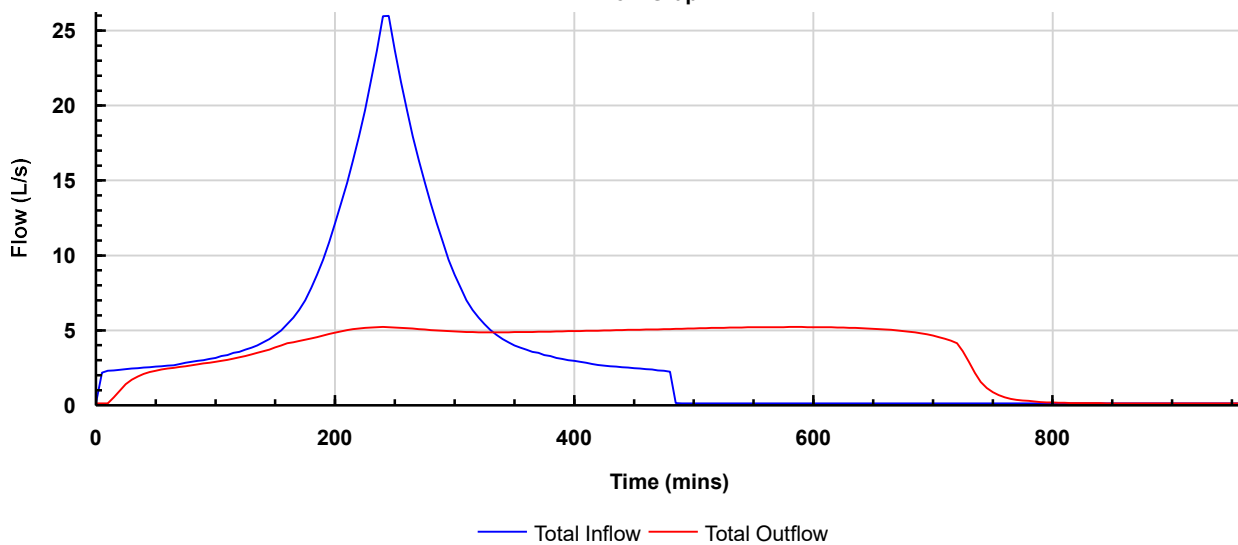
223-009 PROPOSED S.W NETWORK.SWS
Sim Criteria FSR: 30 years: Increase Rainfall (%): +0: 480 mins: Summer

Tables

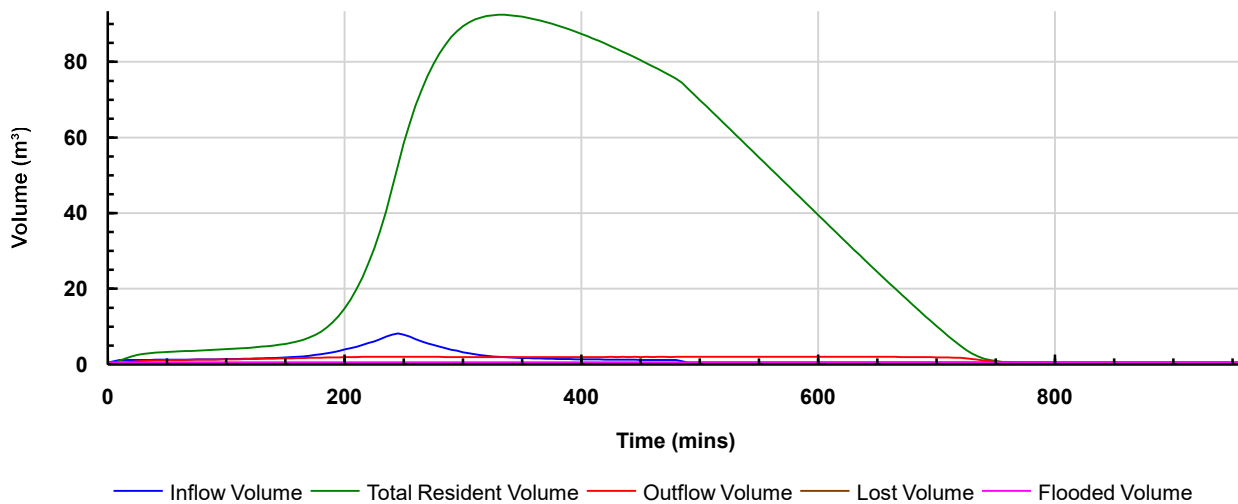
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
12			5.1	191.550
TOTAL	26.0	191.582	5.1	191.550

Graphs

Flow Graph



Volume Graph



223-009: White Moss Road Proposed S.W Network 1 - Rev C	Date: 14/02/2025		
	Designed by: JPR	Checked by: JCM	Approved By: JCM
Report Details: Type: Phase Management Storm Phase: 223-009 PROPOSED S.W	AJP: 1 Dale Street L2 2ET		



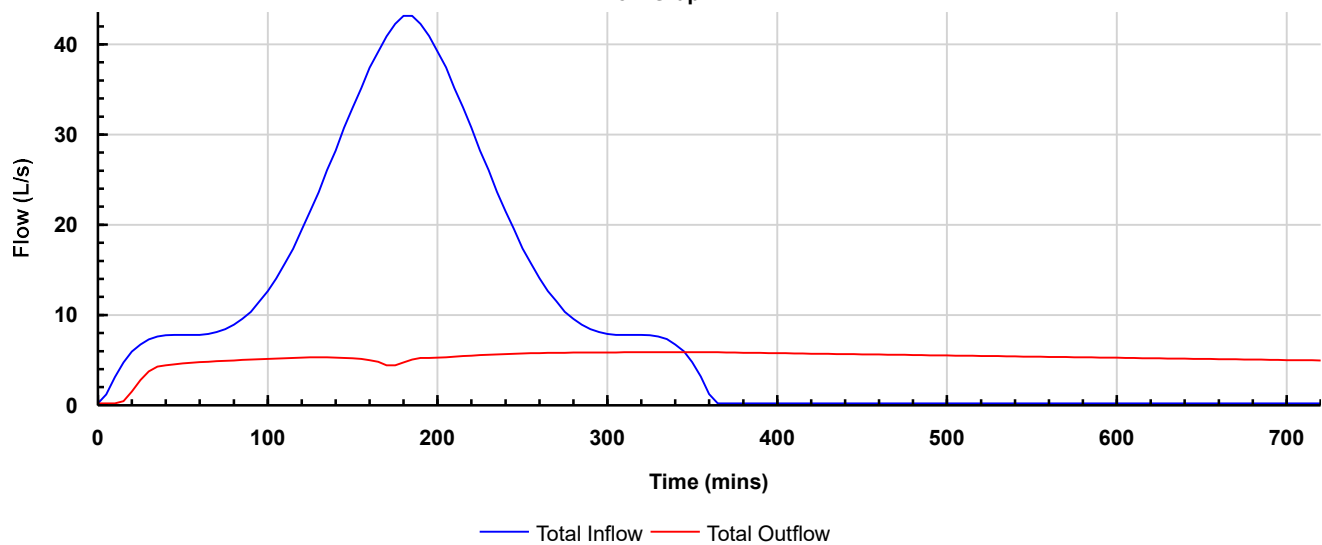
223-009 PROPOSED S.W NETWORK.SWS
Sim Criteria FSR: 100 years: Increase Rainfall (%): +45: 360 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
12			5.7	216.716
TOTAL	43.2	369.865	5.7	216.716

Graphs

Flow Graph



Volume Graph

