

222-100: Lathbury Road SW Network Results 24.03.2025		Date: 24/01/2025			
		Designed by: JPR	Checked by:		Approved By:
Report Details: Type: Junctions Storm Phase: Storm		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)
S1	Manhole	385890.891	400889.908	67.000	1.050	65.950	Circular	0.600
S2	Manhole	385899.100	400883.358	66.825	1.050	65.775	Circular	0.600
S3	Manhole	385912.077	400899.899	66.660	1.097	65.563	Circular	0.600
S4	Manhole	385919.395	400894.380	66.080	1.957	64.123	Circular	1.500
S5	Manhole	385924.221	400900.416	66.450	2.353	64.097	Circular	1.800
CW01	Manhole	385926.625	400898.544	66.100	2.021	64.079	Circular	1.200
S6	Manhole	385907.849	400874.738	65.500	1.050	64.450	Circular	1.200
S7	Manhole	385900.331	400882.254	66.225	1.826	64.399	Circular	1.050
S8	Manhole	385907.799	400891.988	66.225	2.047	64.178	Circular	1.200
S9	Manhole	385917.631	400888.317	65.850	1.706	64.144	Circular	1.200
S10	Manhole	385917.581	400912.404	67.075	1.050	66.025	Circular	0.600
CW02	Manhole	385932.801	400893.735	65.900	1.867	64.033	Circular	1.200
SW11	Manhole	385926.875	400905.046	66.370	1.000	65.370	Circular	0.600

Name	Lock
S1	None
S2	None
S3	None
S4	None
S5	None
CW01	None
S6	None
S7	None
S8	None
S9	None
S10	None
CW02	None
SW11	None

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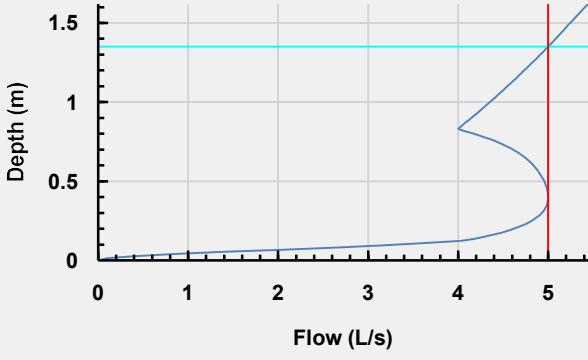


Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S1	Inlet	S1 Pipe	(None)	No Restriction
S2	Inlet	1.000	(None)	No Restriction
	Inlet (1)	Pipe (1)	(None)	No Restriction
	Inlet (2)	S2	(None)	No Restriction
S3	Inlet (1)	Pipe (9)	(None)	No Restriction
	Inlet (2)	S14	(None)	No Restriction
		S3 S8		
S4	Inlet	1.003	(None)	No Restriction
	Inlet (1)	3.003	(None)	No Restriction
	Inlet (2)	S5	(None)	No Restriction
	Inlet (3)	Pipe (3)	(None)	No Restriction
	Inlet (4)	Pipe (4)	(None)	No Restriction
S5	Inlet	1.004	(None)	No Restriction
	Inlet (1)	Pipe (5)	(None)	No Restriction
	Inlet (2)	Pipe (8)	(None)	No Restriction
CW01	Inlet	1.005	(None)	No Restriction
S6	Inlet	S9	(None)	No Restriction
S7	Inlet	S10	(None)	No Restriction
	Inlet (1)	3.000	(None)	No Restriction
	Inlet (2)	Pipe (2)	(None)	No Restriction
S8	Inlet	3.001	(None)	No Restriction
	Inlet (1)	S11	(None)	No Restriction
S9	Inlet	3.002	(None)	No Restriction
	Inlet (1)	S12	(None)	No Restriction
S10	Inlet	S13	(None)	No Restriction
CW02	Inlet	Pipe (6)	(None)	No Restriction
SW11	Inlet	Pipe (7)	(None)	No Restriction
	Inlet (1)	S6	(None)	No Restriction

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Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
S1	Outlet	1.000	Free Discharge
S2	Outlet	Pipe (9)	Free Discharge
S3	Outlet	1.003	Free Discharge
S4	Outlet	1.004	Free Discharge
S5	Outlet	1.005	Hydro-Brake®
	Invert Level (m)	64.097	
	Design Depth (m)	1.350	
	Design Flow (L/s)	5.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0100-5000-1350-5000	
			
CW01	Outlet	Pipe (6)	Free Discharge
S6	Outlet	3.000	Free Discharge
S7	Outlet	3.001	Free Discharge
S8	Outlet	3.002	Free Discharge
S9	Outlet	3.003	Free Discharge
S10	Outlet	Pipe (7)	Free Discharge
SW11	Outlet	Pipe (8)	Free Discharge

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Report Details: Type: Stormwater Controls Storm Phase: Storm	AJP: 1 DALE STREET L2 2ET		



P1

Type : Porous Paving

Dimensions

Exceedance Level (m)	66.975
Depth (m)	0.410
Base Level (m)	66.565
Paving Layer Depth (mm)	110
Membrane Percolation (m/hr)	3.0
Porosity (%)	30
Length (m)	5.500
Long. Slope (1:X)	100.00
Width (m)	3.000
Total Volume (m³)	1.553

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Inlets

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	P1
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe
Outlet Type	Under Drain

Advanced

Conductivity (m/hr)	0.1
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AJP: 1 DALE STREET L2 2ET			



P2

Type : Porous Paving

Dimensions

Exceedance Level (m)	66.800
Depth (m)	0.410
Base Level (m)	66.390
Paving Layer Depth (mm)	110
Membrane Percolation (m/hr)	3.0
Porosity (%)	30
Length (m)	5.500
Long. Slope (1:X)	100.00
Width (m)	3.000
Total Volume (m³)	1.553

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Inlets

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	P2
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (1)
Outlet Type	Under Drain

Advanced

Conductivity (m/hr)	0.1
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P3

Type : Porous Paving

Dimensions

Exceedance Level (m)	65.650
Depth (m)	0.410
Base Level (m)	65.240
Paving Layer Depth (mm)	110
Membrane Percolation (m/hr)	3.0
Porosity (%)	30
Length (m)	5.000
Long. Slope (1:X)	100.00
Width (m)	3.000
Total Volume (m³)	1.412

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Inlets

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	P3
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (2)
Outlet Type	Under Drain

Advanced

Conductivity (m/hr)	0.1
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P4

Type : Porous Paving

Dimensions

Exceedance Level (m)	66.065
Depth (m)	0.410
Base Level (m)	65.655
Paving Layer Depth (mm)	110
Membrane Percolation (m/hr)	3.0
Porosity (%)	30
Length (m)	5.000
Long. Slope (1:X)	100.00
Width (m)	2.500
Total Volume (m³)	1.187

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Inlets

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	P4
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (3)
Outlet Type	Under Drain

Advanced

Conductivity (m/hr)	0.1
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P5

Type : Porous Paving

Dimensions

Exceedance Level (m)	66.320
Depth (m)	0.410
Base Level (m)	65.910
Paving Layer Depth (mm)	110
Membrane Percolation (m/hr)	3.0
Porosity (%)	30
Length (m)	6.000
Long. Slope (1:X)	100.00
Width (m)	3.000
Total Volume (m³)	1.694

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Inlets

Inlet (2)

Inlet Type	Point Inflow
Incoming Item(s)	P5
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (4)
Outlet Type	Under Drain

Advanced

Conductivity (m/hr)	0.1
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Report Details: Type: Stormwater Controls Storm Phase: Storm	AJP: 1 DALE STREET L2 2ET		





P6

Type : Porous Paving

Dimensions

Exceedance Level (m)	66.370
Depth (m)	0.410
Base Level (m)	65.960
Paving Layer Depth (mm)	110
Membrane Percolation (m/hr)	3.0
Porosity (%)	30
Length (m)	6.000
Long. Slope (1:X)	100.00
Width (m)	3.000
Total Volume (m³)	1.694

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Inlets

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	P6
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (5)
Outlet Type	Under Drain

Advanced

Conductivity (m/hr)	0.1
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222-100: Lathbury Road SW Network Results 24.03.2025	Date: 24/01/2025			
	Designed by:	Checked by:	Approved By:	
Report Details: Type: Connections Storm Phase: Storm	JPR			
	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	10.502	Pipe	60.009		0.6	150	67.000	65.950
1.003	9.166	Pipe	34.358		0.6	150	66.660	65.563
1.004	7.728	Pipe	300.000		0.6	450	66.080	64.123
1.005	3.047	Pipe	170.000		0.6	225	66.450	64.097
3.000	10.631	Pipe	208.445		0.6	375	65.500	64.450
3.001	12.269	Pipe	201.130		0.6	375	66.225	64.399
3.002	10.495	Pipe	304.756		0.6	450	66.225	64.178
3.003	6.314	Pipe	300.000		0.6	450	65.850	64.144
Pipe	2.996	Pipe	18.168		0.6	150	67.030	66.565
Pipe (1)	3.245	Pipe	12.000		0.6	150	66.855	66.390
Pipe (2)	8.789	Pipe	25.870		0.6	150	65.700	65.240
Pipe (3)	1.983	Pipe	23.559		0.6	150	66.115	65.655
Pipe (4)	5.507	Pipe	53.109		0.6	150	66.380	65.910
Pipe (5)	3.501	Pipe	12.063		0.6	150	66.430	65.960
Pipe (6)	7.827	Pipe	170.000		0.6	150	66.100	64.079
Pipe (7)	11.854	Pipe	18.097		0.6	150	67.075	66.025
Pipe (8)	5.337	Pipe	100.000		0.6	150	66.370	65.370
Pipe (9)	21.024	Pipe	99.064		0.6	150	66.825	65.775

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Lock	Flow Restriction (L/s)
1.000	66.825	65.775	None	
1.003	66.080	65.296	Levels	
1.004	66.450	64.097	None	
1.005	66.100	64.079	None	5.4
3.000	66.225	64.399	None	
3.001	66.225	64.338	Levels	
3.002	65.850	64.144	None	
3.003	66.080	64.123	None	
Pipe	67.000	66.400	Levels	0.0
Pipe (1)	66.825	66.120	Levels	0.0
Pipe (2)	66.225	64.900	Levels	0.0
Pipe (3)	66.080	65.571	Levels	0.0
Pipe (4)	66.080	65.806	Levels	0.0
Pipe (5)	66.450	65.670	Levels	0.0
Pipe (6)	65.900	64.033	None	
Pipe (7)	66.370	65.370	None	
Pipe (8)	66.450	65.317	Levels	
Pipe (9)	66.660	65.563	None	

222-100: Lathbury Road SW Network Results 24.03.2025			Date: 24/01/2025			
Report Details:			Designed by:	Checked by:	Approved By:	
Type: Inflow Summary Storm Phase: Storm			JPR			
			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)
P1	P1		Time of Concentration	0.002	100	0	100	0.002
P2	P2		Time of Concentration	0.002	100	0	100	0.002
P3	P3		Time of Concentration	0.002	100	0	100	0.002
P4	P4		Time of Concentration	0.001	100	0	100	0.001
P5	P5		Time of Concentration	0.002	100	0	100	0.002
P6	P6		Time of Concentration	0.002	100	0	100	0.002
S1	S1		Time of Concentration	0.006	100	0	100	0.006
S2	S2		Time of Concentration	0.006	100	0	100	0.006
S3	S3		Time of Concentration	0.005	100	0	100	0.005
S5	S4		Time of Concentration	0.005	100	0	100	0.005
S6	SW11		Time of Concentration	0.006	100	0	100	0.006
S8	S3		Time of Concentration	0.004	100	0	100	0.004
S9	S6		Time of Concentration	0.005	100	0	100	0.005
S10	S7		Time of Concentration	0.005	100	0	100	0.005
S11	S8		Time of Concentration	0.005	100	0	100	0.005
S12	S9		Time of Concentration	0.005	100	0	100	0.005
S13	S10		Time of Concentration	0.006	100	0	100	0.006
S14	S3		Time of Concentration	0.005	100	0	100	0.005
TOTAL		0.0		0.072				0.072

222-100: Lathbury Road SW Network Results 24.03.2025	Date: 24/01/2025		
Report Details:	Designed by:	Checked by:	
Type: Network Design Criteria Storm Phase: Storm	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	☐
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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

222-100: Lathbury Road SW Network Results 24.03.2025	Date: 24/01/2025			
	Designed by: JPR	Checked by:	Approved By:	
Report Details: Type: Outfall Details Storm Phase: Storm	AJP: 1 DALE STREET L2 2ET			

Outfalls

Outfall	Outfall Type	Fixed Surcharged Level (m)	Level Curve
CW02	Free Discharge		

222-100: Lathbury Road SW Network Results 24.03.2025		Date: 24/01/2025			
Report Details: Type: Junctions Foul Phase: Foul - Main		Designed by: JPR	Checked by:		Approved By:
		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)
FW01	Manhole	385899.340	400897.226	66.500	0.800	65.700	Circular	0.600
FW02	Manhole	385905.495	400892.554	66.500	0.995	65.505	Circular	0.600
FW08	Manhole	385916.151	400884.372	66.500	1.726	64.774	Circular	0.600
FW06	Manhole	385929.321	400900.873	66.300	2.595	63.705	Circular	0.600
Outfall	Manhole	385937.656	400910.517	66.170	2.605	63.565	Circular	0.600
FW07	Manhole	385908.968	400889.856	65.800	0.800	65.000	Circular	0.600
FW03	Manhole	385911.825	400900.658	66.660	1.284	65.376	Circular	0.600
FW04	Manhole	385918.496	400895.596	66.350	1.079	65.271	Circular	0.600
FW05	Manhole	385924.196	400902.712	66.500	1.343	65.157	Circular	0.600

Name	Access Required	Intersection Easting (m)	Intersection Northing (m)	Lock
FW01	☒	385899.340	400897.226	None
FW02	☒	385905.495	400892.554	None
FW08	☒	385916.151	400884.372	None
FW06	☒	385929.321	400900.873	None
Outfall	☐			None
FW07	☐			None
FW03	☐			None
FW04	☐			None
FW05	☐			None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
FW01	Inlet	FW01 - Foul	(None)	No Restriction
FW02	Inlet	1.000 FW02 - Foul	(None)	No Restriction
FW08	Inlet	FW03 - Foul	(None)	No Restriction
	Inlet (1)	2.000	(None)	No Restriction
FW06	Inlet	2.001	(None)	No Restriction
	Inlet (1)	1.004	(None)	No Restriction
Outfall	Inlet	1.005	(None)	No Restriction
FW03	Inlet	1.001	(None)	No Restriction
FW04	Inlet	1.002	(None)	No Restriction
FW05	Inlet	1.003	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
FW01	Outlet	1.000	Free Discharge
FW02	Outlet	1.001	Free Discharge
FW08	Outlet	2.001	Free Discharge
FW06	Outlet	1.005	Free Discharge
FW07	Outlet	2.000	Free Discharge
FW03	Outlet	1.002	Free Discharge
FW04	Outlet	1.003	Free Discharge
FW05	Outlet	1.004	Free Discharge

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Report Details: Type: Connections Foul Phase: Foul - Main		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	7.727	Pipe	39.626		1.5	150	66.500	65.700
2.001	21.112	Pipe	19.748		1.5	150	66.500	64.774
1.005	12.747	Pipe	91.047		1.5	150	66.300	63.705
2.000	9.038	Pipe	40.000		1.5	100	65.800	65.000
1.001	10.282	Pipe	79.707		1.5	100	66.500	65.505
1.002	8.374	Pipe	79.754		1.5	100	66.660	65.376
1.003	9.117	Pipe	79.973		1.5	100	66.350	65.271
1.004	5.445	Pipe	80.000		1.5	100	66.500	65.157

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Lock
1.000	66.500	65.505	None
2.001	66.300	63.705	None
1.005	66.170	63.565	None
2.000	66.500	64.774	None
1.001	66.660	65.376	None
1.002	66.350	65.271	None
1.003	66.500	65.157	None
1.004	66.300	65.089	Levels

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Type: Inflow Summary Foul Phase: Foul - Main			JPR			
			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)
FW01 - Foul	FW01		Foul	0.00		0		0.00
FW02 - Foul	FW02		Foul	0.00		0		0.00
FW03 - Foul	FW08		Foul	0.00		0		0.00
TOTAL		0.0		0.00				0.00

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Type: Network Design Criteria Foul Phase: Foul - Main		AJP: 1 DALE STREET L2 2ET		

Pipe Options

Lock Slope Options	None
Design Options	Minimise Excavation
Design Level	Level Inverts
Min. Slope (1:X)	500.00
Max. Slope (1:X)	40.00
Min. Backdrop (m)	0.200
Max. Backdrop (m)	1.500
Velocity Criteria	Full Bore
Min. Velocity (m/s)	0.75
Max. Velocity (m/s)	3.0
Use Flow Restriction	☒
Reduce Channel Depths	☒

Pipe Size Library

STANDARD

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

222-100: Lathbury Road SW Network Results 24.03.2025 Report Details: Type: Network Design Criteria Foul Phase: Foul - Main	Date: 24/01/2025		
	Designed by: JPR	Checked by:	Approved By:
	AJP: 1 DALE STREET L2 2ET		



Manhole Options

Apply Offset ☐

Manhole Size Library

STANDARD

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

222-100: Lathbury Road SW Network Results 24.03.2025	Date: 24/01/2025			
	Designed by: JPR	Checked by:	Approved By:	
Report Details: Type: Outfall Details Foul Phase: Foul - Main	AJP: 1 DALE STREET L2 2ET			

Outfalls

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

222-100: Lathbury Road SW Network Results 24.03.2025	Date: 24/01/2025			
	Designed by: JPR	Checked by:	Approved By:	
Report Details: Type: Rainfall Analysis Criteria	AJP: 1 DALE STREET L2 2ET			

Runoff Type	Dynamic
Output Interval (mins)	1
Time Step	Shortest
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	0
Perform No Discharge Analysis	☐

222-100: Lathbury Road SW Network Results 24.03.2025	Date: 24/01/2025			
	Designed by: JPR	Checked by:	Approved By:	
Report Details: Type: Dry Weather Flow Analysis Criteria	AJP: 1 DALE STREET L2 2ET			

Run Time (mins)	0
Output Interval (mins)	5
Time Step	Default
Junction Flood Risk Margin (mm)	0

222-100: Lathbury Road SW Network Results 24.03.2025		Date: 24/01/2025		
Report Details:		Designed by:	Checked by:	
Type: Inflows Summary Storm Phase: Storm		JPR	Approved By:	
		AJP: 1 DALE STREET L2 2ET		



Design 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)
P1	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.2	0.097
P2	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.2	0.095
P3	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.2	0.087
P4	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.1	0.070
P5	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.2	0.104
P6	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.2	0.100
S1	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.01	0.7	0.344
S8	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.5	0.244
S2	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.01	0.7	0.314
S3	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.6	0.266
S13	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.01	0.7	0.313
S14	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.01	0.6	0.290
S5	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.01	0.6	0.283

222-100: Lathbury Road SW Network Results 24.03.2025		Date: 24/01/2025			
		Designed by: JPR	Checked by:		Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm		AJP: 1 DALE STREET L2 2ET			

S6	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.01	0.7	0.314
S9	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.6	0.258
S10	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.01	0.7	0.306
S11	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.01	0.6	0.294
S12	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	0.01	0.6	0.296

222-100: Lathbury Road SW Network Results 24.03.2025		Date: 24/01/2025		
Report Details:		Designed by:	Checked by:	
Type: Inflows Summary Storm Phase: Storm		JPR	Approved By:	
		AJP: 1 DALE STREET L2 2ET		



Design 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)
P1	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.00	0.5	0.236
P2	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.00	0.5	0.232
P3	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.00	0.5	0.210
P4	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.00	0.4	0.171
P5	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.00	0.5	0.250
P6	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.00	0.5	0.243
S1	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.01	1.8	0.839
S8	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.00	1.3	0.601
S2	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.01	1.7	0.764
S3	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.00	1.4	0.651
S13	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.01	1.6	0.760
S14	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.01	1.5	0.715
S5	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.01	1.5	0.691

222-100: Lathbury Road SW Network Results 24.03.2025		Date: 24/01/2025			
		Designed by: JPR	Checked by:		Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm		AJP: 1 DALE STREET L2 2ET			

S6	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.01	1.7	0.764
S9	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.00	1.4	0.632
S10	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.01	1.6	0.745
S11	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.01	1.6	0.721
S12	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	0.01	1.6	0.726

222-100: Lathbury Road SW Network Results 24.03.2025		Date: 24/01/2025		
Report Details: Type: Inflows Summary Storm Phase: Storm		Designed by: JPR	Checked by:	
		Approved By:		
		AJP: 1 DALE STREET L2 2ET		



Design 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)
P1	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.00	1.0	0.444
P2	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.00	0.9	0.431
P3	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.00	0.9	0.396
P4	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.00	0.7	0.321
P5	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.00	1.0	0.466
P6	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.00	1.0	0.455
S1	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.01	3.4	1.570
S8	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.00	2.4	1.123
S2	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.01	3.1	1.432
S3	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.00	2.6	1.217
S13	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.01	3.1	1.425

222-100: Lathbury Road SW Network Results 24.03.2025		Date: 24/01/2025			
		Designed by: JPR	Checked by:		Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm		AJP: 1 DALE STREET L2 2ET			

S14	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.01	2.9	1.334
S5	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.01	2.8	1.298
S6	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.01	3.1	1.432
S9	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.00	2.6	1.183
S10	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.01	3.0	1.396
S11	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.01	2.9	1.352
S12	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.01	2.9	1.361

222-100: Lathbury Road SW Network Results 24.03.2025		Date: 24/01/2025		
Report Details: Type: Junctions Summary Storm Phase: Storm		Designed by: JPR	Checked by:	Approved By:
		AJP: 1 DALE STREET L2 2ET		





Design 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
S1	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	67.000	65.950	65.969	0.019	0.8	0.005	0.000	0.8	0.425	OK
S2	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	66.825	65.775	65.804	0.029	1.5	0.008	0.000	1.5	0.816	OK
S3	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	66.660	65.563	65.596	0.034	3.2	0.009	0.000	3.1	1.612	OK
S4	Design Criteria FSR: 1 years: +0 %: 30 mins: Winter	66.080	64.123	64.274	0.152	3.9	0.268	0.000	3.3	4.383	OK
S5	Design Criteria FSR: 1 years: +0 %: 30 mins: Winter	66.450	64.097	64.274	0.177	4.3	0.451	0.000	4.0	5.265	OK
CW01	Design Criteria FSR: 1 years: +0 %: 30 mins: Winter	66.100	64.079	64.138	0.059	4.0	0.066	0.000	4.0	5.242	OK
S6	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	65.500	64.450	64.467	0.017	0.6	0.019	0.000	0.5	0.257	OK
S7	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	66.225	64.399	64.424	0.025	1.2	0.022	0.000	1.2	0.633	OK
S8	Design Criteria FSR: 1 years: +0 %: 30 mins: Winter	66.225	64.178	64.275	0.097	1.5	0.109	0.000	1.0	1.244	OK
S9	Design Criteria FSR: 1 years: +0 %: 30 mins: Winter	65.850	64.144	64.274	0.131	1.4	0.148	0.000	1.3	1.632	OK
S10	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	67.075	66.025	66.038	0.013	0.7	0.004	0.000	0.7	0.312	OK
CW02	Design Criteria FSR: 1 years: +0 %: 30 mins: Winter	65.900	64.033	64.088	0.055	4.0	0.000	0.000	4.0	5.242	OK
SW11	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	66.370	65.370	65.399	0.029	1.3	0.008	0.000	1.3	0.625	OK

222-100: Lathbury Road SW Network Results 24.03.2025	Date: 24/01/2025		
	Designed by:	Checked by:	Approved By:
	JPR		
Report Details:	AJP:		
Type: Junctions Summary	1 DALE STREET		
Storm Phase: Storm	L2 2ET		



Design 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
S1	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	67.000	65.950	65.981	0.031	2.1	0.009	0.000	2.1	1.057	OK
S2	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	66.825	65.775	65.824	0.049	4.1	0.014	0.000	4.1	2.031	OK
S3	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	66.660	65.563	65.619	0.056	8.1	0.016	0.000	8.1	3.994	OK
S4	Design Criteria FSR: 30 years: +0 %: 30 mins: Winter	66.080	64.123	64.528	0.406	8.5	0.717	0.000	4.7	11.082	OK
S5	Design Criteria FSR: 30 years: +0 %: 30 mins: Winter	66.450	64.097	64.529	0.432	7.6	1.099	0.000	5.0	12.646	Surcharged
CW01	Design Criteria FSR: 30 years: +0 %: 30 mins: Winter	66.100	64.079	64.146	0.067	5.0	0.076	0.000	5.0	12.559	OK
S6	Design Criteria FSR: 30 years: +0 %: 30 mins: Winter	65.500	64.450	64.529	0.079	1.1	0.089	0.000	1.1	0.888	OK
S7	Design Criteria FSR: 30 years: +0 %: 30 mins: Winter	66.225	64.399	64.528	0.129	2.7	0.112	0.000	2.7	2.221	OK
S8	Design Criteria FSR: 30 years: +0 %: 30 mins: Winter	66.225	64.178	64.529	0.351	3.9	0.397	0.000	2.3	3.382	OK
S9	Design Criteria FSR: 30 years: +0 %: 30 mins: Winter	65.850	64.144	64.528	0.385	3.3	0.435	0.000	3.1	4.678	OK
S10	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	67.075	66.025	66.045	0.020	1.6	0.006	0.000	1.6	0.760	OK
CW02	Design Criteria FSR: 30 years: +0 %: 30 mins: Winter	65.900	64.033	64.095	0.062	5.0	0.000	0.000	5.0	12.559	OK
SW11	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	66.370	65.370	65.416	0.046	3.3	0.013	0.000	3.2	1.522	OK

222-100: Lathbury Road SW Network Results 24.03.2025 Report Details: Type: Junctions Summary Storm Phase: Storm	Date: 24/01/2025		
	Designed by:	Checked by:	Approved By:
	JPR		
AJP: 1 DALE STREET L2 2ET			



Design 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
S1	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	67.000	65.950	65.993	0.043	4.1	0.012	0.000	4.1	1.994	OK
S2	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	66.825	65.775	65.847	0.072	7.9	0.020	0.000	7.9	3.834	OK
S3	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	66.660	65.563	65.645	0.083	15.7	0.023	0.000	15.5	7.502	OK
S4	Design Criteria FSR: 100 years: +45 %: 60 mins: Winter	66.080	64.123	65.447	1.325	11.2	2.341	0.000	5.4	28.038	Surcharged
S5	Design Criteria FSR: 100 years: +45 %: 60 mins: Winter	66.450	64.097	65.448	1.351	9.0	3.438	0.000	5.0	30.052	Surcharged
CW01	Design Criteria FSR: 100 years: +45 %: 240 mins: Summer	66.100	64.079	64.146	0.067	5.0	0.076	0.000	5.0	42.734	OK
S6	Design Criteria FSR: 100 years: +45 %: 60 mins: Winter	65.500	64.450	65.448	0.998	3.5	1.128	0.000	1.1	2.701	Surcharged
S7	Design Criteria FSR: 100 years: +45 %: 60 mins: Winter	66.225	64.399	65.448	1.049	6.2	0.908	0.000	2.5	8.335	Surcharged
S8	Design Criteria FSR: 100 years: +45 %: 60 mins: Winter	66.225	64.178	65.448	1.270	7.4	1.436	0.000	3.2	11.660	Surcharged
S9	Design Criteria FSR: 100 years: +45 %: 60 mins: Winter	65.850	64.144	65.447	1.304	7.8	1.475	0.000	3.7	14.657	Surcharged
S10	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	67.075	66.025	66.053	0.028	3.1	0.008	0.000	3.1	1.424	OK
CW02	Design Criteria FSR: 100 years: +45 %: 60 mins: Summer	65.900	64.033	64.095	0.062	5.0	0.000	0.000	5.0	27.880	OK
SW11	Design Criteria FSR: 100 years: +45 %: 60 mins: Winter	66.370	65.370	65.448	0.078	3.3	0.022	0.000	3.3	4.902	OK

222-100: Lathbury Road SW Network Results 24.03.2025		Date: 24/01/2025		
Report Details:		Designed by:	Checked by:	
Type: Stormwater Controls Summary Storm Phase: Storm		JPR	Approved By:	
		AJP: 1 DALE STREET L2 2ET		



Design 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
P1	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	66.633	66.575	0.013	0.010	0.2	0.055	0.000	0.000	0.2	0.086	96.488	OK
P2	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	66.458	66.399	0.013	0.009	0.2	0.053	0.000	0.000	0.2	0.085	96.556	OK
P3	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	65.303	65.250	0.013	0.010	0.2	0.048	0.000	0.000	0.1	0.078	96.597	OK
P4	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	65.716	65.664	0.012	0.009	0.1	0.036	0.000	0.000	0.1	0.064	96.959	OK
P5	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	65.984	65.921	0.014	0.011	0.2	0.062	0.000	0.000	0.1	0.090	96.355	OK
P6	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	66.033	65.969	0.013	0.009	0.2	0.059	0.000	0.000	0.2	0.087	96.529	OK

222-100: Lathbury Road SW Network Results 24.03.2025		Date: 24/01/2025		
Report Details: Type: Stormwater Controls Summary Storm Phase: Storm		Designed by: JPR	Checked by:	
		Approved By:		
		AJP: 1 DALE STREET L2 2ET		



Design 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
P1	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	66.640	66.584	0.020	0.019	0.5	0.094	0.000	0.000	0.5	0.224	93.934	OK
P2	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	66.465	66.408	0.020	0.018	0.5	0.092	0.000	0.000	0.4	0.220	94.051	OK
P3	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	65.309	65.258	0.019	0.018	0.5	0.082	0.000	0.000	0.4	0.200	94.201	OK
P4	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	65.722	65.671	0.017	0.016	0.4	0.062	0.000	0.000	0.3	0.164	94.805	OK
P5	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	65.991	65.931	0.021	0.021	0.5	0.109	0.000	0.000	0.5	0.234	93.589	OK
P6	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	66.041	65.979	0.021	0.019	0.5	0.103	0.000	0.000	0.5	0.229	93.895	OK

222-100: Lathbury Road SW Network Results 24.03.2025		Date: 24/01/2025		
Report Details: Type: Stormwater Controls Summary Storm Phase: Storm		Designed by: JPR	Checked by:	
		Approved By:		
		AJP: 1 DALE STREET L2 2ET		



Design 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
P1	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	66.647	66.594	0.027	0.029	1.0	0.138	0.000	0.000	0.9	0.431	91.133	OK
P2	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	66.472	66.418	0.027	0.028	0.9	0.134	0.000	0.000	0.9	0.419	91.350	OK
P3	Design Criteria FSR: 100 years: +45 %: 60 mins: Winter	65.448	65.448	0.158	0.208	1.4	0.824	0.000	0.000	1.2	1.361	41.657	OK
P4	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	65.728	65.679	0.023	0.024	0.7	0.088	0.000	0.000	0.6	0.313	92.578	OK
P5	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	65.998	65.941	0.028	0.031	1.0	0.158	0.000	0.000	0.9	0.449	90.700	OK
P6	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	66.047	65.989	0.027	0.029	1.0	0.150	0.000	0.000	0.9	0.441	91.129	OK

222-100: Lathbury Road SW Network Results 24.03.2025				Date: 24/01/2025				
Report Details: Type: Connections Summary Storm Phase: Storm				Designed by: JPR	Checked by:	Approved By:		
				AJP: 1 DALE STREET L2 2ET				



Design 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	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S1	S2	67.000	65.969	0.024	0.425	0.4	0.03	0.8	OK
1.003	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S3	S4	66.660	65.596	0.033	1.612	1.1	0.1	3.1	OK
1.004	Design Criteria FSR: 1 years: +0 %: 30 mins: Winter	Pipe	S4	S5	66.080	64.274	0.164	4.383	0.3	0.02	3.3	OK
1.005	Design Criteria FSR: 1 years: +0 %: 30 mins: Winter	Pipe	S5	CW01	66.450	64.274	0.057	5.256	0.5	0.1	4.0	OK
3.000	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S6	S7	65.500	64.467	0.021	0.257	0.2	0	0.5	OK
3.001	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S7	S8	66.225	64.424	0.024	0.633	0.4	0.01	1.2	OK
3.002	Design Criteria FSR: 1 years: +0 %: 15 mins: Summer	Pipe	S8	S9	66.225	64.258	0.097	0.826	0.3	0.01	1.3	OK
3.003	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S9	S4	65.850	64.270	0.137	1.167	0.2	0.01	1.3	OK
Pipe	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	P1	S1	67.030	66.576	0.007	0.084	0.5	0	0.2	OK
Pipe (1)	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	P2	S2	66.855	66.401	0.006	0.084	0.6	0	0.2	OK
Pipe (2)	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	P3	S7	65.700	65.251	0.007	0.076	0.5	0	0.1	OK
Pipe (3)	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	P4	S4	66.115	65.665	0.006	0.062	0.5	0	0.1	OK
Pipe (4)	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	P5	S4	66.380	65.921	0.008	0.087	0.4	0.01	0.1	OK

222-100: Lathbury Road SW Network Results 24.03.2025				Date: 24/01/2025								
				Designed by: JPR		Checked by:				Approved By:		
Report Details: Type: Connections Summary Storm Phase: Storm				AJP: 1 DALE STREET L2 2ET								

Pipe (5)	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	P6	S5	66.430	65.971	0.006	0.086	0.6	0	0.2	OK
Pipe (6)	Design Criteria FSR: 1 years: +0 %: 30 mins: Winter	Pipe	CW01	CW02	66.100	64.138	0.057	5.242	0.6	0.29	4.0	OK
Pipe (7)	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S10	SW11	67.075	66.038	0.021	0.312	0.4	0.02	0.7	OK
Pipe (8)	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW11	S5	66.370	65.399	0.028	0.625	0.6	0.07	1.3	OK
Pipe (9)	Design Criteria FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S2	S3	66.825	65.804	0.031	0.816	0.6	0.08	1.5	OK

222-100: Lathbury Road SW Network Results 24.03.2025				Date: 24/01/2025				
Report Details: Type: Connections Summary Storm Phase: Storm				Designed by: JPR	Checked by:	Approved By:		
				AJP: 1 DALE STREET L2 2ET				



Design 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	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S1	S2	67.000	65.981	0.040	1.057	0.6	0.09	2.1	OK
1.003	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S3	S4	66.660	65.619	0.054	3.994	1.4	0.27	8.1	OK
1.004	Design Criteria FSR: 30 years: +0 %: 15 mins: Summer	Pipe	S4	S5	66.080	64.459	0.349	5.631	0.3	0.03	4.9	OK
1.005	Design Criteria FSR: 30 years: +0 %: 30 mins: Winter	Pipe	S5	CW01	66.450	64.529	0.065	12.612	0.5	0.13	5.0	Surcharged
3.000	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S6	S7	65.500	64.496	0.070	0.634	0.3	0.01	1.3	OK
3.001	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S7	S8	66.225	64.493	0.125	1.540	0.5	0.02	3.3	OK
3.002	Design Criteria FSR: 30 years: +0 %: 30 mins: Winter	Pipe	S8	S9	66.225	64.529	0.368	3.052	0.2	0.01	2.3	OK
3.003	Design Criteria FSR: 30 years: +0 %: 30 mins: Winter	Pipe	S9	S4	65.850	64.528	0.395	3.940	0.2	0.02	3.1	OK
Pipe	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	P1	S1	67.030	66.584	0.011	0.222	0.8	0.01	0.5	OK
Pipe (1)	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	P2	S2	66.855	66.409	0.010	0.218	0.9	0.01	0.4	OK
Pipe (2)	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	P3	S7	65.700	65.258	0.011	0.198	0.7	0.01	0.4	OK
Pipe (3)	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	P4	S4	66.115	65.671	0.010	0.162	0.6	0.01	0.3	OK
Pipe (4)	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	P5	S4	66.380	65.930	0.014	0.230	0.5	0.02	0.5	OK

222-100: Lathbury Road SW Network Results 24.03.2025				Date: 24/01/2025								
				Designed by: JPR		Checked by:				Approved By:		
Report Details: Type: Connections Summary Storm Phase: Storm				AJP: 1 DALE STREET L2 2ET								

Pipe (5)	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	P6	S5	66.430	65.979	0.010	0.227	0.9	0.01	0.5	OK
Pipe (6)	Design Criteria FSR: 30 years: +0 %: 30 mins: Winter	Pipe	CW01	CW02	66.100	64.146	0.065	12.559	0.7	0.37	5.0	OK
Pipe (7)	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S10	SW11	67.075	66.045	0.033	0.760	0.6	0.04	1.6	OK
Pipe (8)	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW11	S5	66.370	65.416	0.045	1.522	0.7	0.18	3.2	OK
Pipe (9)	Design Criteria FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S2	S3	66.825	65.824	0.053	2.031	0.7	0.23	4.1	OK

222-100: Lathbury Road SW Network Results 24.03.2025				Date: 24/01/2025				
Report Details: Type: Connections Summary Storm Phase: Storm				Designed by: JPR	Checked by:	Approved By:		
				AJP: 1 DALE STREET L2 2ET				



Design 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	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	S1	S2	67.000	65.993	0.057	1.994	0.7	0.18	4.1	OK
1.003	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	S3	S4	66.660	65.645	0.079	7.502	1.6	0.51	15.5	OK
1.004	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	S4	S5	66.080	65.077	0.450	5.680	0.4	0.04	7.1	Surcharged
1.005	Design Criteria FSR: 100 years: +45 %: 60 mins: Summer	Pipe	S5	CW01	66.450	65.266	0.065	27.937	0.5	0.13	5.0	Surcharged
3.000	Design Criteria FSR: 100 years: +45 %: 15 mins: Summer	Pipe	S6	S7	65.500	64.864	0.375	0.517	0.3	0.02	2.4	Surcharged
3.001	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	S7	S8	66.225	65.077	0.375	0.881	0.5	0.04	5.6	Surcharged
3.002	Design Criteria FSR: 100 years: +45 %: 60 mins: Summer	Pipe	S8	S9	66.225	65.266	0.450	6.634	0.2	0.02	3.2	Surcharged
3.003	Design Criteria FSR: 100 years: +45 %: 60 mins: Winter	Pipe	S9	S4	65.850	65.447	0.450	9.286	0.2	0.02	3.7	Surcharged
Pipe	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	P1	S1	67.030	66.593	0.015	0.429	0.9	0.02	0.9	OK
Pipe (1)	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	P2	S2	66.855	66.417	0.014	0.416	1.1	0.02	0.9	OK

222-100: Lathbury Road SW Network Results 24.03.2025				Date: 24/01/2025							
Report Details:				Designed by:	Checked by:	Approved By:					
Type: Connections Summary Storm Phase: Storm				JPR							
				AJP: 1 DALE STREET L2 2ET							

Pipe (2)	Design Criteria FSR: 100 years: +45 %: 60 mins: Winter	Pipe	P3	S7	65.700	65.423	0.150	1.076	0.7	0.05	1.6	Surcharged
Pipe (3)	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	P4	S4	66.115	65.678	0.014	0.311	0.8	0.02	0.6	OK
Pipe (4)	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	P5	S4	66.380	65.939	0.020	0.445	0.6	0.04	0.9	OK
Pipe (5)	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	P6	S5	66.430	65.988	0.014	0.438	1.1	0.02	0.9	OK
Pipe (6)	Design Criteria FSR: 100 years: +45 %: 60 mins: Summer	Pipe	CW01	CW02	66.100	64.146	0.065	27.880	0.7	0.37	5.0	OK
Pipe (7)	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	S10	SW11	67.075	66.053	0.047	1.424	0.7	0.07	3.1	OK
Pipe (8)	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	SW11	S5	66.370	65.436	0.063	2.854	0.9	0.34	6.1	OK
Pipe (9)	Design Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	S2	S3	66.825	65.847	0.077	3.834	0.9	0.44	7.9	OK

222-100: Lathbury Road SW Network Results 24.03.2025		Date: 24/01/2025			
Report Details: Type: Phase Management Storm Phase: Storm		Designed by: JPR	Checked by:		Approved By:
		AJP: 1 DALE STREET L2 2ET			



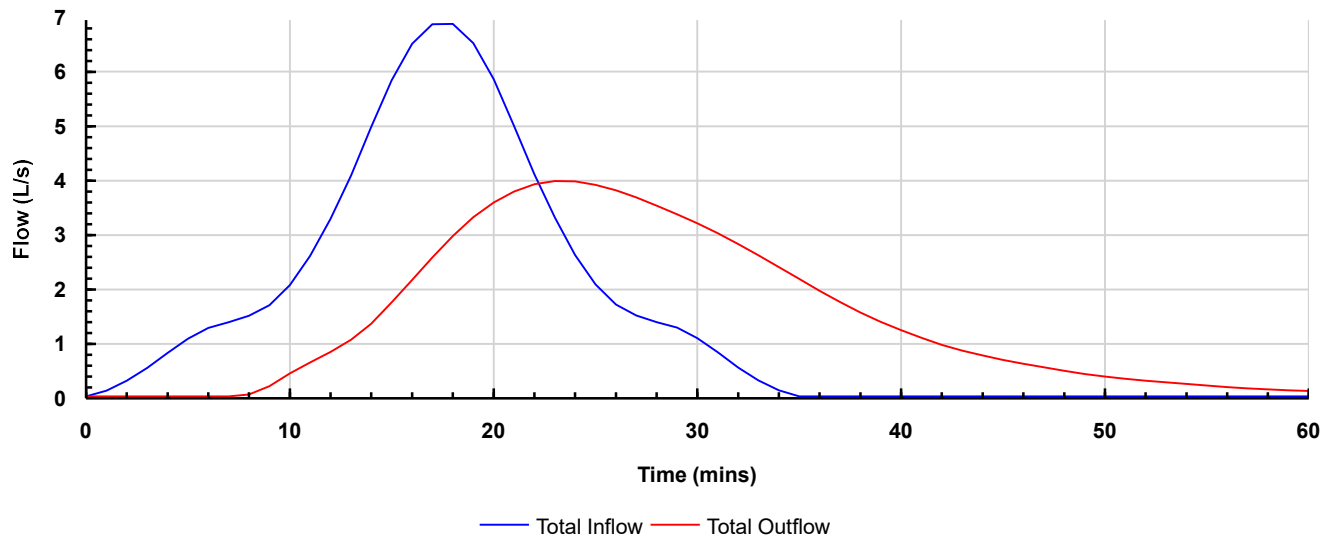
Storm Design Criteria FSR: 1 years: Increase Rainfall (%): +0: 30 mins: Winter

Tables

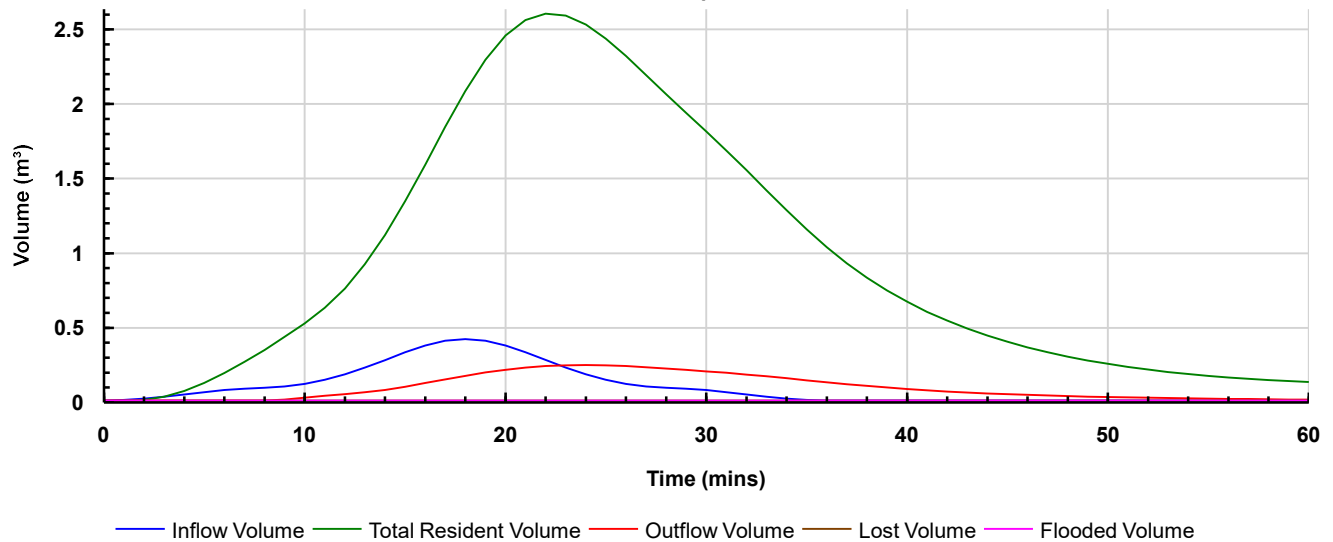
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
CW02			4.0	5.242
TOTAL	6.9	5.389	4.0	5.242

Graphs

Flow Graph



Volume Graph



222-100: Lathbury Road SW Network Results 24.03.2025		Date: 24/01/2025			
Report Details: Type: Phase Management Storm Phase: Storm		Designed by: JPR	Checked by:		Approved By:
		AJP: 1 DALE STREET L2 2ET			



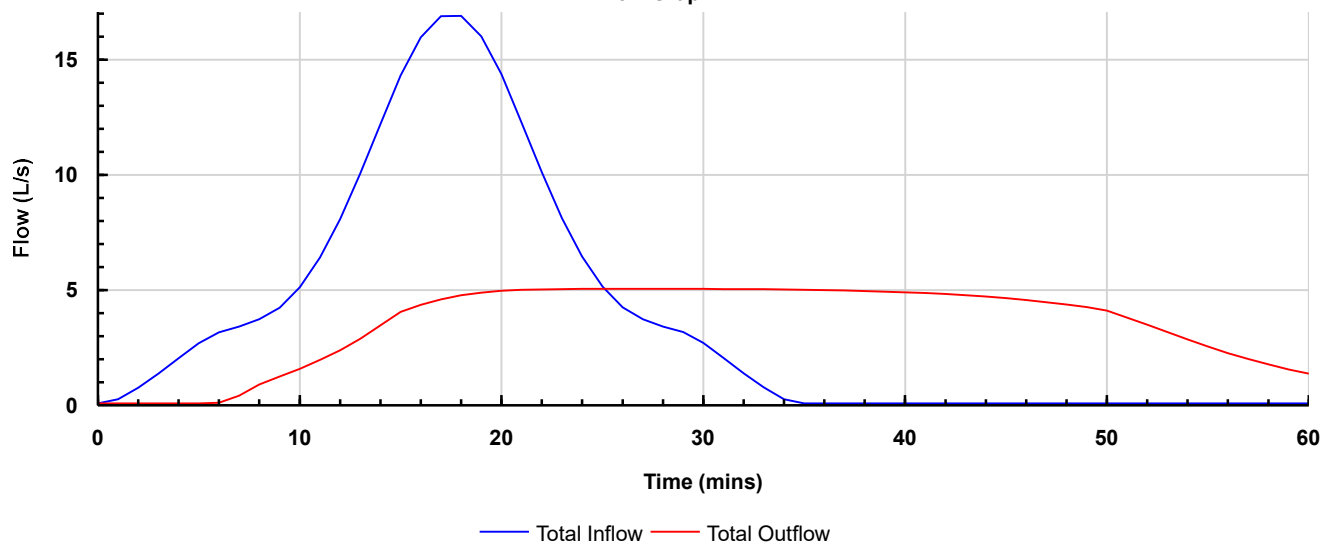
Storm Design Criteria FSR: 30 years: Increase Rainfall (%): +0: 30 mins: Winter

Tables

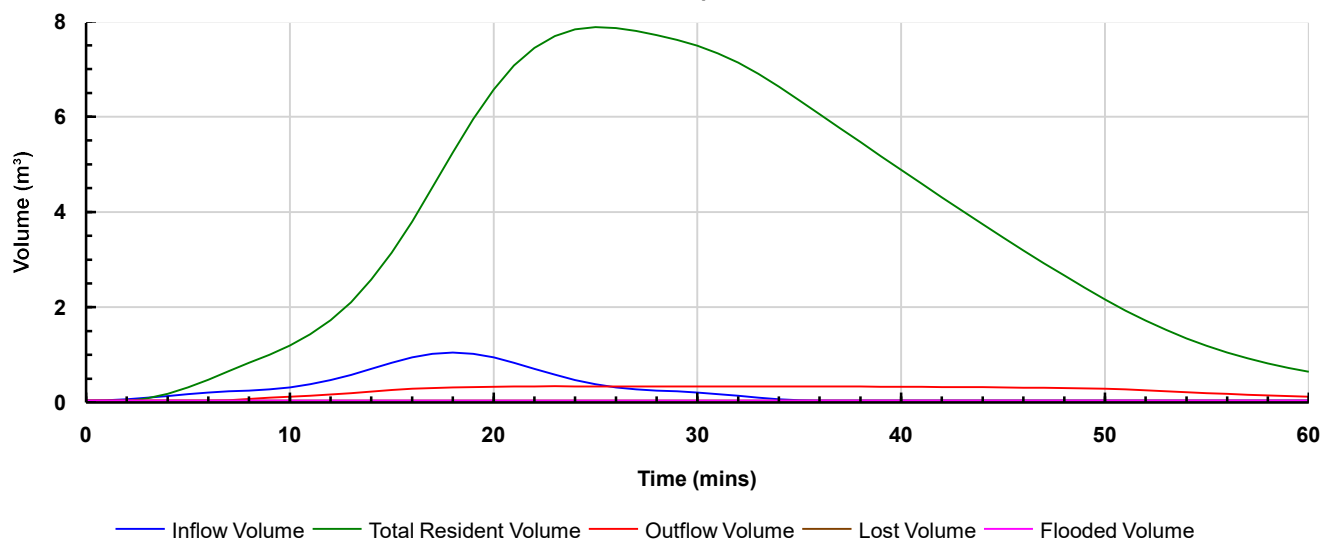
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
CW02			5.0	12.559
TOTAL	16.9	13.222	5.0	12.559

Graphs

Flow Graph



Volume Graph



222-100: Lathbury Road SW Network Results 24.03.2025	Date: 24/01/2025		
	Designed by: JPR	Checked by:	Approved By:
Report Details: Type: Phase Management Storm Phase: Storm	AJP: 1 DALE STREET L2 2ET		





Storm
Design Criteria FSR: 100 years: Increase Rainfall (%): +45: 60 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
CW02			5.0	27.880
TOTAL	27.0	28.604	5.0	27.880

Graphs

