

Kenyons Lane: 222-100 P500	Date: 30/10/2024		
	Designed by: JPR	Checked by: KOB	Approved By: KOB
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)	Sump Depth (m)	Chamber Shape
S1	Manhole	387640.744	401213.819	77.025	0.750	76.275	0.000	Circular
S2	Manhole	387648.749	401204.178	76.875	0.809	76.066	0.000	Circular
S3	Manhole	387656.827	401210.926	76.265	0.750	75.515	0.000	Circular
S5	Manhole	387654.680	401215.156	76.575	1.115	75.460	0.000	Circular
S8	Manhole	387672.789	401230.603	75.350	3.495	71.855	0.300	Circular
S9	Manhole	387676.310	401234.874	74.900	3.100	71.800	0.000	Circular
OUTFALL	Manhole	387673.175	401241.554	75.210	3.800	71.410	0.000	Circular
S4	Manhole	387649.250	401220.307	76.725	0.750	75.975	0.000	Circular
S6	Manhole	387668.289	401208.475	76.025	0.750	75.275	0.000	Circular
S7	Manhole	387681.864	401219.798	75.250	0.750	74.500	0.000	Circular
S10	Manhole	387697.299	401217.707	74.000	1.050	72.950	0.000	Circular
S12	Manhole	387688.963	401227.959	73.850	1.545	72.305	0.000	Circular
S13	Manhole	387681.081	401237.441	74.600	3.030	71.570	0.300	Circular
S11	Manhole	387687.464	401226.742	74.000	1.660	72.340	0.000	Circular
S16	Manhole	387707.873	401223.767	73.450	1.050	72.400	0.000	Circular
S15	Manhole	387693.714	401240.821	74.200	2.169	72.031	0.000	Circular
S14	Manhole	387688.598	401243.748	74.200	2.228	71.972	0.000	Circular

Name	Diameter (m)	Lock
S1	0.600	None
S2	0.600	None
S3	0.600	None
S5	0.600	None
S8	1.200	None
S9	1.500	None
OUTFALL	1.500	None
S4	0.600	None
S6	0.600	None
S7	0.600	None
S10	1.200	None
S12	1.200	None
S13	1.200	None
S11	1.200	None
S16	0.600	None
S15	0.600	None
S14	1.200	None

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Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S1	Inlet	01 - TOC	(None)	No Restriction
S2	Inlet	1.000	(None)	No Restriction
S3	Inlet (1)	1.001 03 - TOC	(None)	No Restriction
S5	Inlet	1.002 2.000 05 - TOC	(None)	No Restriction
S8	Inlet	1.003 3.001	(None)	No Restriction
S9	Inlet	1.004 4.002	(None)	No Restriction
OUTFALL	Inlet	1.005	(None)	No Restriction
S4	Inlet	04 - TOC	(None)	No Restriction
S6	Inlet	06 - TOC	(None)	No Restriction
S7	Inlet	3.000	(None)	No Restriction
S12	Inlet	4.000 5.001	(None)	No Restriction
S13	Inlet	4.001 6.002	(None)	No Restriction
S11	Inlet	5.000	(None)	No Restriction
S15	Inlet	09 - TOC	(None)	No Restriction
	Inlet (1)	10 - TOC	(None)	No Restriction
	Inlet (2)	12 - TOC	(None)	No Restriction
	Inlet (3)	6.000	(None)	No Restriction
S14	Inlet	6.001	(None)	No Restriction

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Outlets			
Junction	Outlet Name	Outgoing Connection	Outlet Type
S1	Outlet	1.000	Free Discharge
S2	Outlet	1.001	Free Discharge
S3	Outlet	1.002	Free Discharge
S5	Outlet	1.003	Free Discharge
S8	Outlet	1.004	Free Discharge
S9	Outlet	1.005	Hydro-Brake®
	Invert Level (m)	71.800	
	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	
S4	Outlet	2.000	Free Discharge
S6	Outlet	3.000	Free Discharge
S7	Outlet	3.001	Free Discharge
S10	Outlet	4.000	Free Discharge
S12	Outlet	4.001	Free Discharge
S13	Outlet	4.002	Free Discharge
S11	Outlet	5.001	Free Discharge
S16	Outlet	6.000	Free Discharge
S15	Outlet	6.001	Free Discharge
S14	Outlet	6.002	Free Discharge

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Tank

Type : Tank

Dimensions

Exceedance Level (m)	74.000
Depth (m)	1.625
Base Level (m)	72.375
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	0.00
Total Volume (m³)	48.825

Depth (m)	Area (m²)	Volume (m³)
0.000	60.00	0.000
0.400	60.00	24.000
0.800	60.00	48.000

Outlets

Outlet

Outgoing Connection	5.000
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	10.000

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P7

Type : Porous Paving

Dimensions

Exceedance Level (m)	76.200
Depth (m)	0.610
Base Level (m)	75.590
Paving Layer Depth (mm)	110
Membrane Percolation (m/hr)	4.0
Porosity (%)	30
Length (m)	5.010
Long. Slope (1:X)	400.00
Width (m)	2.506
Total Volume (m³)	1.883

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	P7
Bypass Destination	(None)
Capacity Type	No Restriction

Advanced

Conductivity (m/hr)	0.1
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P8

Type : Porous Paving

Dimensions

Exceedance Level (m)	76.500
Depth (m)	0.610
Base Level (m)	75.890
Paving Layer Depth (mm)	110
Membrane Percolation (m/hr)	4.0
Porosity (%)	30
Length (m)	5.010
Long. Slope (1:X)	400.00
Width (m)	2.506
Total Volume (m³)	1.883

Inlets

Inlet (1)

Inlet Type	Lateral Inflow
Incoming Item(s)	P8
Bypass Destination	(None)
Capacity Type	No Restriction

Advanced

Conductivity (m/hr)	0.1
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P9

Type : Porous Paving

Dimensions

Exceedance Level (m)	76.700
Depth (m)	0.610
Base Level (m)	76.090
Paving Layer Depth (mm)	110
Membrane Percolation (m/hr)	4.0
Porosity (%)	30
Length (m)	5.010
Long. Slope (1:X)	400.00
Width (m)	2.506
Total Volume (m³)	1.883

Inlets

Inlet (1)

Inlet Type	Lateral Inflow
Incoming Item(s)	P9
Bypass Destination	(None)
Capacity Type	No Restriction

Advanced

Conductivity (m/hr)	0.1
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P6

Type : Porous Paving

Dimensions

Exceedance Level (m)	76.500
Depth (m)	0.610
Base Level (m)	75.890
Paving Layer Depth (mm)	110
Membrane Percolation (m/hr)	4.0
Porosity (%)	30
Length (m)	5.010
Long. Slope (1:X)	400.00
Width (m)	2.506
Total Volume (m³)	1.883

Inlets

Inlet

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

Advanced

Conductivity (m/hr)	0.1
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P5

Type : Porous Paving

Dimensions

Exceedance Level (m)	74.900
Depth (m)	0.610
Base Level (m)	74.290
Paving Layer Depth (mm)	110
Membrane Percolation (m/hr)	4.0
Porosity (%)	30
Length (m)	5.010
Long. Slope (1:X)	400.00
Width (m)	2.506
Total Volume (m³)	1.883

Inlets

Inlet

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

Advanced

Conductivity (m/hr)	0.1
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P1

Type : Porous Paving

Dimensions

Exceedance Level (m)	74.200
Depth (m)	0.983
Base Level (m)	73.217
Paving Layer Depth (mm)	110
Membrane Percolation (m/hr)	4.0
Porosity (%)	30
Length (m)	5.010
Long. Slope (1:X)	400.00
Width (m)	2.506
Total Volume (m³)	3.288

Inlets

Inlet (1)

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

Advanced

Conductivity (m/hr)	0.1
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P2

Type : Porous Paving

Dimensions

Exceedance Level (m)	73.750
Depth (m)	0.610
Base Level (m)	73.140
Paving Layer Depth (mm)	110
Membrane Percolation (m/hr)	4.0
Porosity (%)	30
Length (m)	5.010
Long. Slope (1:X)	400.00
Width (m)	2.506
Total Volume (m³)	1.883

Inlets

Inlet (1)

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

Advanced

Conductivity (m/hr)	0.1
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P3

Type : Porous Paving

Dimensions

Exceedance Level (m)	73.750
Depth (m)	0.610
Base Level (m)	73.140
Paving Layer Depth (mm)	110
Membrane Percolation (m/hr)	4.0
Porosity (%)	30
Length (m)	5.010
Long. Slope (1:X)	400.00
Width (m)	2.506
Total Volume (m³)	1.883

Inlets

Inlet (1)

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

Advanced

Conductivity (m/hr)	0.1
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P4

Type : Porous Paving

Dimensions

Exceedance Level (m)	73.750
Depth (m)	0.610
Base Level (m)	73.140
Paving Layer Depth (mm)	110
Membrane Percolation (m/hr)	4.0
Porosity (%)	30
Length (m)	5.010
Long. Slope (1:X)	400.00
Width (m)	2.506
Total Volume (m³)	1.883

Inlets

Inlet

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

Advanced

Conductivity (m/hr)	0.1
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Kenyons Lane: 222-100 P500	Date: 30/10/2024		
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Report Details: Type: Connections Storm Phase: Storm	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	12.531	Pipe	60.000		0.6	150	77.025	76.275
1.001	10.525	Pipe	19.098		0.6	150	76.875	76.066
1.002	4.743	Pipe	86.241		0.6	150	76.265	75.515
1.003	23.803	Pipe	13.759		0.6	150	76.575	75.460
1.004	5.535	Pipe	15.576		0.6	225	75.350	72.155
1.005	7.380	Pipe	18.940		0.6	225	74.900	71.800
2.000	7.484	Pipe	14.533		0.6	150	76.725	75.975
3.000	17.677	Pipe	22.809		0.6	150	76.025	75.275
3.001	14.111	Pipe	18.326		0.6	150	75.250	74.500
4.000	13.214	Pipe	20.487		0.6	225	74.000	72.950
4.001	12.329	Pipe	28.343		0.6	225	73.850	72.305
4.002	5.418	Pipe	77.015		0.6	225	74.600	71.870
5.000	2.000	Pipe	57.147		0.6	225	74.000	72.375
5.001	1.931	Pipe	55.165		0.6	225	74.000	72.340
6.000	22.166	Pipe	60.000		0.6	225	73.450	72.400
6.001	5.894	Pipe	100.000		0.6	225	74.200	72.031
6.002	9.813	Pipe	96.149		0.6	225	74.200	71.972

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance
1.000	76.875	76.066	None		(None)	(None)
1.001	76.265	75.515	None		(None)	(None)
1.002	76.575	75.460	Levels		(None)	(None)
1.003	75.350	73.730	Levels		(None)	(None)
1.004	74.900	71.800	None		(None)	(None)
1.005	75.210	71.410	None	5.0	(None)	(None)
2.000	76.575	75.460	None		(None)	(None)
3.000	75.250	74.500	None		(None)	(None)
3.001	75.350	73.730	Levels		(None)	(None)
4.000	73.850	72.305	None		(None)	(None)
4.001	74.600	71.870	None		(None)	(None)
4.002	74.900	71.800	None		(None)	(None)
5.000	74.000	72.340	None		(None)	(None)
5.001	73.850	72.305	None		(None)	(None)
6.000	74.200	72.031	None		(None)	(None)
6.001	74.200	71.972	Levels		(None)	(None)
6.002	74.600	71.870	None		(None)	(None)

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Report Details: 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
Min. Backdrop (m)	0.000
Max. Backdrop (m)	10.000
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

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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

Kenyons Lane: 222-100 P500	Date: 30/10/2024			
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Report Details: Type: Outfall Details Storm Phase: Storm	AJP : 1 Dale Street L2 2ET			

Outfalls

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

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Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
01 - TOC	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.01	5.5	2.560
03 - TOC	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.00	2.5	1.137
04 - TOC	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.00	2.5	1.137
05 - TOC	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.03	16.5	7.683
06 - TOC	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.01	8.6	3.983
09 - TOC	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.04	25.1	11.666
10 - TOC	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.02	9.8	4.550
12 - TOC	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	0.03	18.4	8.538
P6	Sim Criteria FSR: 100 years: +45 %: 30 mins: Winter	0.00	0.4	0.480
P9	Sim Criteria FSR: 100 years: +45 %: 30 mins: Winter	0.00	0.4	0.480
P8	Sim Criteria FSR: 100 years: +45 %: 30 mins: Winter	0.00	0.4	0.480

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P7	Sim Criteria FSR: 100 years: +45 %: 30 mins: Winter	0.00	0.4	0.480
P5	Sim Criteria FSR: 100 years: +45 %: 30 mins: Winter	0.00	0.4	0.480
P1	Sim Criteria FSR: 100 years: +45 %: 30 mins: Winter	0.00	0.4	0.480
P2	Sim Criteria FSR: 100 years: +45 %: 30 mins: Winter	0.00	0.4	0.480
P3	Sim Criteria FSR: 100 years: +45 %: 30 mins: Winter	0.00	0.4	0.480
P4	Sim Criteria FSR: 100 years: +45 %: 30 mins: Winter	0.00	0.4	0.480

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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	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	77.02 5	76.27 5	76.328	0.053	5.5	0.015	0.000	5.4	2.558	OK
S2	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	76.87 5	76.06 6	76.103	0.037	5.4	0.010	0.000	5.4	2.557	OK
S3	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	76.26 5	75.51 5	75.592	0.077	7.8	0.022	0.000	7.6	3.692	OK
S5	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	76.57 5	75.46 0	75.542	0.082	26.6	0.023	0.000	26.0	12.507	OK
S8	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	75.35 0	71.85 5	73.221	1.366	34.2	1.545	0.000	31.0	15.355	Surcharged
S9	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	74.90 0	71.80 0	73.187	1.387	31.0	2.451	0.000	5.0	16.624	Surcharged
OUTFALL	Sim Criteria FSR: 2 years: +0 %: 60 mins: Summer	75.21 0	71.41 0	71.441	0.031	5.0	0.000	0.000	5.0	16.492	OK
S4	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	76.72 5	75.97 5	75.998	0.023	2.5	0.006	0.000	2.4	1.137	OK
S6	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	76.02 5	75.27 5	75.325	0.050	8.6	0.014	0.000	8.5	3.981	OK
S7	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	75.25 0	74.50 0	74.547	0.047	8.5	0.013	0.000	8.3	3.979	OK
S10	Sim Criteria FSR: 100 years: +45 %: 120 mins: Winter	74.00 0	72.95 0	73.118	0.168	0.4	0.190	0.000	0.1	0.297	OK
S12	Sim Criteria FSR: 100 years: +45 %: 120 mins: Winter	73.85 0	72.30 5	73.118	0.813	23.2	0.919	0.000	4.3	74.392	Surcharged
S13	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	74.60 0	71.57 0	73.170	1.600	63.2	1.810	0.000	4.1	31.392	Surcharged
S11	Sim Criteria FSR: 100 years: +45 %: 120 mins: Winter	74.00 0	72.34 0	73.118	0.778	22.7	0.880	0.000	4.1	72.240	Surcharged
S16	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	73.45 0	72.40 0	73.327	0.927	4.1	0.262	0.000	2.3	0.757	Surcharged
S15	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	74.20 0	72.03 1	73.328	1.297	53.3	0.367	0.000	45.2	24.242	Surcharged
S14	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	74.20 0	71.97 2	73.256	1.284	45.2	1.453	0.000	41.6	21.696	Surcharged

Kenyons Lane: 222-100 P500		Date: 30/10/2024			
		Designed by: JPR	Checked by: KOB		Approved By: KOB
Report Details: Type: Stormwater Controls Summary Storm Phase: Storm		AJP : 1 Dale Street L2 2ET			



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 %: 120 mins: Winter	73.118	73.118	0.743	0.743	22.3	44.561	0.000	0.000	4.0	27.167	8.732	OK
P7	Sim Criteria FSR: 100 years: +45 %: 1440 mins: Winter	75.997	75.986	0.395	0.396	0.0	1.488	0.000	0.000	0.0	0.000	20.975	OK
P8	Sim Criteria FSR: 100 years: +45 %: 1440 mins: Winter	76.296	76.285	0.393	0.395	0.0	1.482	0.000	0.000	0.0	0.000	21.294	OK
P9	Sim Criteria FSR: 100 years: +45 %: 1440 mins: Winter	76.494	76.483	0.391	0.393	0.0	1.476	0.000	0.000	0.0	0.000	21.612	OK
P6	Sim Criteria FSR: 100 years: +45 %: 1440 mins: Winter	76.297	76.286	0.395	0.396	0.0	1.488	0.000	0.000	0.0	0.000	20.975	OK
P5	Sim Criteria FSR: 100 years: +45 %: 1440 mins: Winter	74.697	74.686	0.395	0.396	0.0	1.488	0.000	0.000	0.0	0.000	20.975	OK
P1	Sim Criteria FSR: 100 years: +45 %: 1440 mins: Winter	73.624	73.613	0.395	0.396	0.0	1.488	0.000	0.000	0.0	0.000	54.739	OK
P2	Sim Criteria FSR: 100 years: +45 %: 1440 mins: Winter	73.547	73.536	0.395	0.396	0.0	1.488	0.000	0.000	0.0	0.000	20.975	OK
P3	Sim Criteria FSR: 100 years: +45 %: 1440 mins: Winter	73.547	73.536	0.395	0.396	0.0	1.488	0.000	0.000	0.0	0.000	20.975	OK
P4	Sim Criteria FSR: 100 years: +45 %: 1440 mins: Winter	73.546	73.535	0.393	0.395	0.0	1.482	0.000	0.000	0.0	0.000	21.294	OK

Kenyons Lane: 222-100 P500	Date: 30/10/2024		
	Designed by: JPR	Checked by: KOB	Approved By: KOB
Report Details: Type: Connections Summary Storm Phase: Storm	AJP : 1 Dale Street L2 2ET		





Critical Storm Per Item: Rank By: Max. Velocity

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: Winter	Pipe	S1	S2	77.025	76.328	0.045	2.558	1.2	0.24	5.4	OK
1.001	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	S2	S3	76.875	76.103	0.057	2.557	0.9	0.13	5.4	OK
1.002	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	S3	S5	76.265	75.592	0.080	3.692	0.8	0.4	7.6	OK
1.003	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	S5	S8	76.575	75.542	0.080	12.507	2.7	0.54	26.0	OK
1.004	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	S8	S9	75.350	73.221	0.225	15.355	0.8	0.23	31.0	Surcharged
1.005	Sim Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	S9	OUTFALL	74.900	72.526	0.032	6.893	1.5	0.04	5.0	Surcharged
2.000	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	S4	S5	76.725	75.998	0.052	1.137	0.4	0.05	2.4	OK
3.000	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	S6	S7	76.025	75.325	0.049	3.981	1.7	0.23	8.5	OK
3.001	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	S7	S8	75.250	74.547	0.046	3.979	1.8	0.2	8.3	OK
4.000	Sim Criteria FSR: 100 years: +45 %: 120 mins: Winter	Pipe	S10	S12	74.000	73.118	0.225	0.000	0.0	0	0.1	OK
4.001	Sim Criteria FSR: 100 years: +45 %: 360 mins: Winter	Pipe	S12	S13	73.850	72.966	0.225	0.000	0.5	0.04	4.3	Surcharged

Kenyons Lane: 222-100 P500				Date: 30/10/2024										
				Designed by: JPR		Checked by: KOB						Approved By: KOB		
Report Details: Type: Connections Summary Storm Phase: Storm				AJP : 1 Dale Street L2 2ET										

4.002	Sim Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	S13	S9	74.600	72.526	0.225	3.603	0.9	0.06	3.6	Surchar ged
5.000	Sim Criteria FSR: 100 years: +45 %: 240 mins: Summer	Pipe	Tank	S11	74.000	72.953	0.225	0.000	0.7	0.06	4.0	Surchar ged
5.001	Sim Criteria FSR: 30 years: +0 %: 60 mins: Summer	Pipe	S11	S12	74.000	72.579	0.225	0.000	0.8	0.06	4.1	Surchar ged
6.000	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	S16	S15	73.450	73.327	0.225	0.000	0.1	0.03	2.3	Surchar ged
6.001	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	S15	S14	74.200	73.328	0.225	22.980	1.1	0.87	45.2	Surchar ged
6.002	Sim Criteria FSR: 100 years: +45 %: 15 mins: Winter	Pipe	S14	S13	74.200	73.256	0.225	21.690	1.0	0.79	41.6	Surchar ged

Kenyons Lane: 222-100 P500	Date: 30/10/2024		
	Designed by: JPR	Checked by: KOB	Approved By: KOB
Report Details: Type: Phase Management Storm Phase: Storm	AJP : 1 Dale Street L2 2ET		





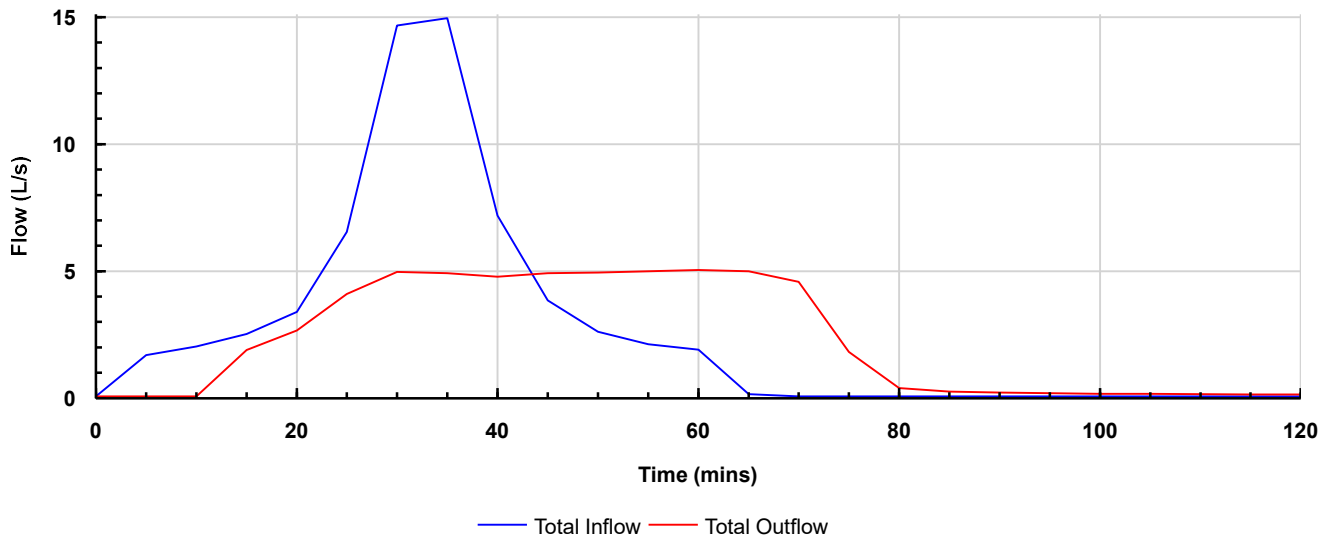
Storm
 Sim Criteria FSR: 2 years: Increase Rainfall (%): +0: 60 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
OUTFALL			5.0	16.492
TOTAL	15.0	18.897	5.0	16.492

Graphs

Flow Graph



Volume Graph

