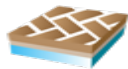


Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025		
	Designed by: GDR	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS		





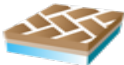
Block a Acc Rd W

Type : Porous Paving

Dimensions		
Exceedance Level (m)		98.434
Depth (m)		0.780
Base Level (m)		97.654
Paving Layer Depth (mm)		180
Membrane Percolation (m/hr)		1000.0
Porosity (%)		30
Length (m)		16.688
Long. Slope (1:X)		150.00
Width (m)		4.191
Total Volume (m³)		12.591

Advanced		
Conductivity (m/hr)		0.1

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS			



Block a 3 Drv

Type : Porous Paving

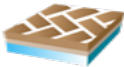
Dimensions

Exceedance Level (m)	99.024
Depth (m)	0.580
Base Level (m)	98.444
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	8.114
Long. Slope (1:X)	20.00
Width (m)	2.958
Total Volume (m³)	3.240

Advanced

Conductivity (m/hr)	0.1
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Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS			



Block a 4 Drv

Type : Porous Paving

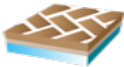
Dimensions

Exceedance Level (m)	99.118
Depth (m)	0.580
Base Level (m)	98.538
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	6.931
Long. Slope (1:X)	20.00
Width (m)	3.461
Total Volume (m³)	3.238

Advanced

Conductivity (m/hr)	0.1
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Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS			



Block b 4 Drv

Type : Porous Paving

Dimensions

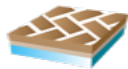
Exceedance Level (m)	100.764
Depth (m)	0.580
Base Level (m)	100.184
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	7.439
Long. Slope (1:X)	20.00
Width (m)	3.226
Total Volume (m³)	3.240

Advanced

Conductivity (m/hr)	0.1
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Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025		
	Designed by: GDR	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS		





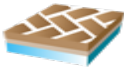
Block b 3 Drv

Type : Porous Paving

Dimensions		
Exceedance Level (m)		100.623
Depth (m)		0.580
Base Level (m)		100.043
Paving Layer Depth (mm)		130
Membrane Percolation (m/hr)		1000.0
Porosity (%)		30
Length (m)		8.157
Long. Slope (1:X)		20.00
Width (m)		2.942
Total Volume (m³)		3.240

Advanced		
Conductivity (m/hr)		0.1

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS			



Block b 2 Drv

Type : Porous Paving

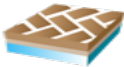
Dimensions

Exceedance Level (m)	100.410
Depth (m)	0.580
Base Level (m)	99.830
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	8.088
Long. Slope (1:X)	20.00
Width (m)	2.967
Total Volume (m³)	3.240

Advanced

Conductivity (m/hr)	0.1
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Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS			



Block b 1 Drv

Type : Porous Paving

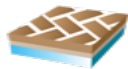
Dimensions

Exceedance Level (m)	100.180
Depth (m)	0.580
Base Level (m)	99.600
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	7.552
Long. Slope (1:X)	20.00
Width (m)	3.178
Total Volume (m³)	3.240

Advanced

Conductivity (m/hr)	0.1
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Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS			



Block a 1 Drv

Type : Porous Paving

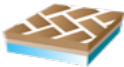
Dimensions

Exceedance Level (m)	98.535
Depth (m)	0.580
Base Level (m)	97.955
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	8.240
Long. Slope (1:X)	20.00
Width (m)	2.915
Total Volume (m³)	3.242

Advanced

Conductivity (m/hr)	0.1
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Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS			



Block a 2 Drv

Type : Porous Paving

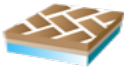
Dimensions

Exceedance Level (m)	98.813
Depth (m)	0.580
Base Level (m)	98.233
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	9.097
Long. Slope (1:X)	20.00
Width (m)	2.650
Total Volume (m³)	3.255

Advanced

Conductivity (m/hr)	0.1
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Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS			



Block a Acc Rd E

Type : Porous Paving

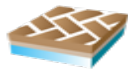
Dimensions

Exceedance Level (m)	98.815
Depth (m)	0.580
Base Level (m)	98.235
Paving Layer Depth (mm)	180
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	23.148
Long. Slope (1:X)	150.00
Width (m)	5.183
Total Volume (m³)	14.397

Advanced

Conductivity (m/hr)	0.1
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Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS			



Block b Acc Rd W

Type : Porous Paving

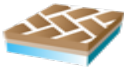
Dimensions

Exceedance Level (m)	100.118
Depth (m)	0.580
Base Level (m)	99.538
Paving Layer Depth (mm)	180
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	19.318
Long. Slope (1:X)	300.00
Width (m)	4.861
Total Volume (m³)	11.269

Advanced

Conductivity (m/hr)	0.1
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Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS			



Block b Acc Rd E

Type : Porous Paving

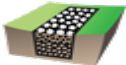
Dimensions

Exceedance Level (m)	100.421
Depth (m)	0.680
Base Level (m)	99.741
Paving Layer Depth (mm)	180
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	21.696
Long. Slope (1:X)	300.00
Width (m)	6.271
Total Volume (m³)	20.410

Advanced

Conductivity (m/hr)	0.1
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Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS			



Block a Acc Rd W Trn

Type : Infiltration Trench

Dimensions

Exceedance Level (m)	98.466
Depth (m)	1.450
Base Level (m)	97.016
Freeboard (mm)	680
Porosity (%)	30
Length (m)	26.406
Long. Slope (1:X)	150.00
Width (m)	1.000
Total Volume (m³)	6.835

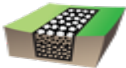
Under Drain

Height Above Base (m)	0.150
Diameter (mm)	225
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Advanced

Conductivity (m/hr)	0.1
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Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS			



Block b Acc Rd W Trn

Type : Infiltration Trench

Dimensions

Exceedance Level (m)	100.189
Depth (m)	1.250
Base Level (m)	98.939
Freeboard (mm)	580
Porosity (%)	30
Length (m)	17.149
Long. Slope (1:X)	300.00
Width (m)	1.000
Total Volume (m³)	3.924

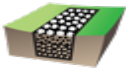
Under Drain

Height Above Base (m)	0.150
Diameter (mm)	225
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Advanced

Conductivity (m/hr)	0.1
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Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS			



Block b Acc Rd E Trn

Type : Infiltration Trench

Dimensions

Exceedance Level (m)	100.430
Depth (m)	1.250
Base Level (m)	99.180
Freeboard (mm)	680
Porosity (%)	30
Length (m)	17.894
Long. Slope (1:X)	300.00
Width (m)	1.000
Total Volume (m³)	3.558

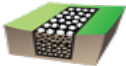
Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS			

Under Drain

Height Above Base (m)	0.150
Diameter (mm)	225
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Advanced

Conductivity (m/hr)	0.1
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Block a Acc Rd E Trn

Type : Infiltration Trench

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025		
	Designed by: GDR	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS		



Dimensions

Exceedance Level (m)	99.017
Depth (m)	1.050
Base Level (m)	97.967
Freeboard (mm)	580
Porosity (%)	30
Length (m)	6.685
Long. Slope (1:X)	300.00
Width (m)	1.000
Total Volume (m³)	1.129

Under Drain

Height Above Base (m)	0.150
Diameter (mm)	225
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Advanced

Conductivity (m/hr)	0.1
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Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025		
	Designed by: GDR	Checked by:	Approved By:
Report Title: Rainfall Analysis Criteria	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS		



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

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025		
	Designed by: GDR	Checked by:	Approved By:
Report Title: UK and Ireland Rural Runoff Calculator	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS		



ICP SUDS / IH 124

Details

Method	ICP SUDS
Area (ha)	0.27
SAAR (mm)	876.0
Soil	0.47
Region	Region 10
Urban	0.75
Return Period (years)	0

Results

Region	QBAR Rural (L/s)	QBAR Urban (L/s)	Q 1 (years) (L/s)	Q 30 (years) (L/s)	Q 100 (years) (L/s)
Region 10	1.7	4.2	3.6	6.0	6.6

Greenfield Volume

FSR

Details

Region	England And Wales
M5-60 (mm)	18.0
Ratio R	0.357
Area (ha)	0.268
SAAR (mm)	880.0
CWI	121.218
Urban 1990	0
Areal Reduction Factor	1.00
SPR	47
Storm Duration (mins)	60
Return Period (years)	100

Results

PR%	46.05
Greenfield Runoff Volume (m³)	44.797

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025		
	Designed by: GDR	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS		





9758-Keynon Ln FSR: 2 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
MH-05	9758-Keynon Ln FSR: 2 years: +0 %: 960 mins: Winter	98.971	98.256	98.549	0.293	0.0	0.047	0.000	0.0	0.389	Surcharged
MH-06	9758-Keynon Ln FSR: 2 years: +0 %: 960 mins: Winter	99.224	98.188	98.549	0.361	0.1	0.057	0.000	0.0	0.981	Surcharged
MH-07	9758-Keynon Ln FSR: 2 years: +0 %: 960 mins: Winter	99.425	98.100	98.549	0.449	0.0	0.071	0.000	0.0	0.000	OK
MH-11	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	99.029	96.750	97.180	0.430	0.2	0.486	0.000	0.2	3.958	OK
MH-10	9758-Keynon Ln FSR: 2 years: +0 %: 15 mins: Winter	99.272	98.242	98.270	0.028	1.0	0.018	0.000	1.1	0.489	OK
MH-9	9758-Keynon Ln FSR: 2 years: +0 %: 15 mins: Winter	100.048	99.066	99.077	0.011	0.9	0.007	0.000	0.9	0.410	OK
MH-08	9758-Keynon Ln FSR: 2 years: +0 %: 240 mins: Winter	100.466	99.308	99.313	0.005	0.1	0.003	0.000	0.2	0.437	OK
MH-03	9758-Keynon Ln FSR: 2 years: +0 %: 15 mins: Winter	100.383	99.848	99.865	0.018	0.5	0.003	0.000	0.4	0.229	OK
MH-04	9758-Keynon Ln FSR: 2 years: +0 %: 15 mins: Winter	100.144	99.724	99.751	0.028	1.1	0.004	0.000	1.0	0.540	OK
MH-01	9758-Keynon Ln FSR: 2 years: +0 %: 15 mins: Winter	100.905	100.051	100.074	0.023	1.1	0.004	0.000	1.0	0.535	OK
MH02	9758-Keynon Ln FSR: 2 years: +0 %: 15 mins: Winter	100.853	99.804	99.828	0.024	1.0	0.004	0.000	0.9	0.531	OK
BI a 1 F RWP	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	98.715	98.250	98.446	0.196	0.0	0.002	0.000	0.0	0.301	Flood Risk
BI a 2 F RWP	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	98.977	98.225	98.759	0.534	0.0	0.006	0.000	0.0	0.427	Flood Risk
BI a 3 F RWP	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	99.221	98.561	98.967	0.406	0.0	0.005	0.000	0.0	0.827	Flood Risk
BI a 4 F RWP	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	99.299	98.640	99.025	0.385	0.0	0.005	0.000	0.0	0.226	Flood Risk
BI b 1 F RWP	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	100.278	99.618	100.072	0.454	0.0	0.005	0.000	0.0	0.127	Flood Risk
BI b 2 F RWP	9758-Keynon Ln FSR: 2 years: +0 %: 960 mins: Winter	100.505	99.845	100.383	0.538	0.1	0.006	0.000	0.0	0.621	Flood Risk

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE				Date: 05/03/2025									
				Designed by:		Checked by:						Approved By:	
Report Details: Type: Junctions Summary Storm Phase: Phase				GDR									
				Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS									

BI b 3 F RWP	9758-Keynon Ln FSR: 2 years: +0 %: 960 mins: Winter	100.840	100.180	100.583	0.403	0.0	0.005	0.000	0.0	0.503	Flood Risk
BI b 4 F RWP	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	100.849	100.190	100.655	0.465	0.0	0.006	0.000	0.0	0.176	Flood Risk
BI a 2 R RWP	9758-Keynon Ln FSR: 2 years: +0 %: 960 mins: Winter	98.885	98.325	98.549	0.224	0.0	0.003	0.000	0.0	0.729	Surcharged
BI a 3 R RWP	9758-Keynon Ln FSR: 2 years: +0 %: 15 mins: Winter	99.126	98.566	98.589	0.023	0.6	0.000	0.000	0.5	0.267	OK
BI a 4 R RWP	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	99.307	98.747	99.307	0.560	0.0	0.361	0.354	0.0	0.000	Flood
BI b 2 R RWP	9758-Keynon Ln FSR: 2 years: +0 %: 15 mins: Winter	100.419	99.859	99.881	0.022	0.5	0.000	0.000	0.5	0.231	OK
BI b 3 R RWP	9758-Keynon Ln FSR: 2 years: +0 %: 15 mins: Winter	100.689	100.129	100.151	0.022	0.6	0.000	0.000	0.5	0.255	OK
BI b 4 R RWP	9758-Keynon Ln FSR: 2 years: +0 %: 15 mins: Winter	100.836	100.276	100.297	0.021	0.5	0.000	0.000	0.4	0.216	OK
MH-12	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	98.989	97.116	97.127	0.011	0.2	0.000	0.000	0.2	3.467	OK
BI a1 R RWP	9758-Keynon Ln FSR: 2 years: +0 %: 15 mins: Winter	98.724	98.000	98.024	0.024	0.6	0.000	0.000	0.6	0.288	OK
BI b 1 R RWP	9758-Keynon Ln FSR: 2 years: +0 %: 15 mins: Winter	100.297	99.737	99.764	0.027	0.7	0.000	0.000	0.6	0.315	OK
BI a Jnk 1	9758-Keynon Ln FSR: 2 years: +0 %: 960 mins: Winter		98.159	98.549	0.390	0.0			0.0	0.524	Surcharged
BI a Jnk 2	9758-Keynon Ln FSR: 2 years: +0 %: 15 mins: Winter		97.988	98.008	0.020	0.6			0.6	0.286	OK
BI b Jnk 1	9758-Keynon Ln FSR: 2 years: +0 %: 15 mins: Winter		100.084	100.111	0.027	1.0			0.9	0.469	OK

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025		
	Designed by: GDR	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS		



9758-Keynon Ln 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
MH-05	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	98.971	98.256	98.811	0.555	0.0	0.088	0.000	0.0	1.546	Flood Risk
MH-06	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	99.224	98.188	98.812	0.623	0.2	0.099	0.000	0.1	3.291	Surcharged
MH-07	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	99.425	98.100	98.811	0.711	0.1	0.113	0.000	0.0	0.490	OK
MH-11	9758-Keynon Ln FSR: 30 years: +0 %: 240 mins: Winter	99.029	96.750	97.220	0.470	1.1	0.532	0.000	1.1	5.383	OK
MH-10	9758-Keynon Ln FSR: 30 years: +0 %: 60 mins: Winter	99.272	98.242	98.340	0.098	1.1	0.063	0.000	1.0	2.952	OK
MH-9	9758-Keynon Ln FSR: 30 years: +0 %: 15 mins: Winter	100.048	99.066	99.081	0.015	1.7	0.010	0.000	1.7	0.773	OK
MH-08	9758-Keynon Ln FSR: 30 years: +0 %: 60 mins: Winter	100.466	99.308	99.348	0.040	0.8	0.026	0.000	0.8	1.160	OK
MH-03	9758-Keynon Ln FSR: 30 years: +0 %: 15 mins: Winter	100.383	99.848	99.872	0.025	0.9	0.004	0.000	0.9	0.436	OK
MH-04	9758-Keynon Ln FSR: 30 years: +0 %: 15 mins: Winter	100.144	99.724	99.763	0.039	2.1	0.006	0.000	2.0	1.032	OK
MH-01	9758-Keynon Ln FSR: 30 years: +0 %: 15 mins: Winter	100.905	100.051	100.083	0.032	2.1	0.005	0.000	2.0	1.014	OK
MH02	9758-Keynon Ln FSR: 30 years: +0 %: 15 mins: Winter	100.853	99.804	99.838	0.035	2.0	0.006	0.000	1.9	1.010	OK
Bl a 1 F RWP	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	98.715	98.250	98.573	0.323	0.0	0.004	0.000	0.0	0.791	Flood Risk
Bl a 2 F RWP	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	98.977	98.225	98.976	0.751	0.0	0.009	0.000	0.0	0.487	Flood Risk
Bl a 3 F RWP	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	99.221	98.561	99.178	0.617	0.0	0.007	0.000	0.0	0.593	Flood Risk

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025		
	Designed by: GDR	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS		



Bl a 4 F RWP	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	99.299	98.640	99.242	0.602	0.0	0.007	0.000	0.0	0.576	Flood Risk
Bl b 1 F RWP	9758-Keynon Ln FSR: 30 years: +0 %: 960 mins: Winter	100.278	99.618	100.267	0.649	0.0	0.008	0.000	0.0	0.375	Flood Risk
Bl b 2 F RWP	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	100.505	99.845	100.505	0.660	0.1	0.506	0.498	0.0	0.467	Flood
Bl b 3 F RWP	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	100.840	100.180	100.805	0.625	0.0	0.007	0.000	0.0	1.103	Flood Risk
Bl b 4 F RWP	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	100.849	100.190	100.849	0.659	0.0	0.069	0.061	0.0	0.519	Flood
Bl a 2 R RWP	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	98.885	98.325	98.811	0.486	0.1	0.006	0.000	0.0	1.697	Flood Risk
Bl a 3 R RWP	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	99.126	98.566	98.811	0.245	0.1	0.003	0.000	0.1	2.105	Surcharged
Bl a 4 R RWP	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	99.307	98.747	99.308	0.561	0.0	1.249	1.242	0.0	0.000	Flood
Bl b 2 R RWP	9758-Keynon Ln FSR: 30 years: +0 %: 15 mins: Winter	100.419	99.859	99.889	0.030	0.9	0.000	0.000	0.9	0.438	OK
Bl b 3 R RWP	9758-Keynon Ln FSR: 30 years: +0 %: 15 mins: Winter	100.689	100.129	100.160	0.031	1.0	0.000	0.000	1.0	0.480	OK
Bl b 4 R RWP	9758-Keynon Ln FSR: 30 years: +0 %: 15 mins: Winter	100.836	100.276	100.306	0.030	0.9	0.000	0.000	0.8	0.408	OK
MH-12	9758-Keynon Ln FSR: 30 years: +0 %: 240 mins: Winter	98.989	97.116	97.141	0.025	1.1	0.000	0.000	1.1	4.792	OK
Bl a1 R RWP	9758-Keynon Ln FSR: 30 years: +0 %: 15 mins: Winter	98.724	98.000	98.034	0.034	1.2	0.000	0.000	1.1	0.549	OK
Bl b 1 R RWP	9758-Keynon Ln FSR: 30 years: +0 %: 15 mins: Winter	100.297	99.737	99.776	0.039	1.3	0.000	0.000	1.2	0.600	OK
Bl a Jnk 1	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter		98.159	98.812	0.653	0.1			0.1	2.012	Surcharged
Bl a Jnk 2	9758-Keynon Ln FSR: 30 years: +0 %: 15 mins: Winter		97.988	98.016	0.028	1.1			1.1	0.546	OK
Bl b Jnk 1	9758-Keynon Ln FSR: 30 years: +0 %: 15 mins: Winter		100.084	100.121	0.037	1.8			1.8	0.885	OK

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025		
	Designed by: GDR	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS		



9758-Keynon Ln 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
MH-05	9758-Keynon Ln FSR: 100 years: +45 %: 480 mins: Winter	98.971	98.256	98.856	0.600	0.2	0.095	0.000	0.2	1.729	Flood Risk
MH-06	9758-Keynon Ln FSR: 100 years: +45 %: 480 mins: Winter	99.224	98.188	98.856	0.668	0.3	0.106	0.000	0.3	3.728	Surcharged
MH-07	9758-Keynon Ln FSR: 100 years: +45 %: 480 mins: Winter	99.425	98.100	98.856	0.756	0.3	0.120	0.000	0.3	1.709	OK
MH-11	9758-Keynon Ln FSR: 100 years: +45 %: 240 mins: Summer	99.029	96.750	97.265	0.515	2.5	0.583	0.000	2.5	11.952	OK
MH-10	9758-Keynon Ln FSR: 100 years: +45 %: 30 mins: Winter	99.272	98.242	98.481	0.239	2.5	0.152	0.000	1.9	4.461	Surcharged
MH-9	9758-Keynon Ln FSR: 100 years: +45 %: 15 mins: Winter	100.048	99.066	99.084	0.019	3.1	0.012	0.000	3.1	1.586	OK
MH-08	9758-Keynon Ln FSR: 100 years: +45 %: 60 mins: Winter	100.466	99.308	99.538	0.230	1.7	0.146	0.000	1.3	3.342	Surcharged
MH-03	9758-Keynon Ln FSR: 100 years: +45 %: 15 mins: Winter	100.383	99.848	99.882	0.034	1.7	0.005	0.000	1.7	0.816	OK
MH-04	9758-Keynon Ln FSR: 100 years: +45 %: 15 mins: Winter	100.144	99.724	99.779	0.055	4.0	0.009	0.000	3.8	1.945	OK
MH-01	9758-Keynon Ln FSR: 100 years: +45 %: 15 mins: Winter	100.905	100.051	100.096	0.045	3.9	0.007	0.000	3.8	1.904	OK
MH02	9758-Keynon Ln FSR: 100 years: +45 %: 15 mins: Winter	100.853	99.804	99.853	0.049	3.8	0.008	0.000	3.6	1.893	OK
BI a 1 F RWP	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	98.715	98.250	98.715	0.465	0.1	0.113	0.107	0.0	1.309	Flood
BI a 2 F RWP	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	98.977	98.225	98.979	0.754	0.1	1.668	1.659	0.0	0.450	Flood

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025		
	Designed by: GDR	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS		



Bl a 3 F RWP	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	99.221	98.561	99.222	0.661	0.1	1.503	1.495	0.0	0.629	Flood
Bl a 4 F RWP	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	99.299	98.640	99.301	0.661	0.1	1.558	1.551	0.0	0.606	Flood
Bl b 1 F RWP	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	100.278	99.618	100.279	0.661	0.1	1.474	1.466	0.0	0.402	Flood
Bl b 2 F RWP	9758-Keynon Ln FSR: 100 years: +45 %: 960 mins: Winter	100.505	99.845	100.507	0.662	0.2	2.059	2.051	0.1	0.469	Flood
Bl b 3 F RWP	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	100.840	100.180	100.842	0.662	0.1	1.596	1.588	0.0	0.644	Flood
Bl b 4 F RWP	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	100.849	100.190	100.851	0.661	0.1	1.523	1.515	0.0	0.479	Flood
Bl a 2 R RWP	9758-Keynon Ln FSR: 100 years: +45 %: 480 mins: Winter	98.885	98.325	98.856	0.531	0.2	0.006	0.000	0.2	2.266	Flood Risk
Bl a 3 R RWP	9758-Keynon Ln FSR: 100 years: +45 %: 480 mins: Winter	99.126	98.566	98.856	0.290	0.3	0.003	0.000	0.2	2.649	Flood Risk
Bl a 4 R RWP	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	99.307	98.747	99.310	0.563	0.1	2.887	2.880	0.0	0.000	Flood
Bl b 2 R RWP	9758-Keynon Ln FSR: 100 years: +45 %: 15 mins: Winter	100.419	99.859	99.901	0.042	1.8	0.001	0.000	1.7	0.818	OK
Bl b 3 R RWP	9758-Keynon Ln FSR: 100 years: +45 %: 15 mins: Winter	100.689	100.129	100.174	0.045	2.0	0.001	0.000	1.9	0.902	OK
Bl b 4 R RWP	9758-Keynon Ln FSR: 100 years: +45 %: 15 mins: Winter	100.836	100.276	100.318	0.042	1.7	0.001	0.000	1.6	0.768	OK
MH-12	9758-Keynon Ln FSR: 100 years: +45 %: 240 mins: Summer	98.989	97.116	97.154	0.038	2.5	0.000	0.000	2.5	11.289	OK
Bl a1 R RWP	9758-Keynon Ln FSR: 100 years: +45 %: 15 mins: Winter	98.724	98.000	98.048	0.048	2.2	0.001	0.000	2.2	1.034	OK
Bl b 1 R RWP	9758-Keynon Ln FSR: 100 years: +45 %: 15 mins: Winter	100.297	99.737	99.795	0.058	2.5	0.001	0.000	2.4	1.133	OK

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
	Report Details: Type: Junctions Summary Storm Phase: Phase			
Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS				

Bl a Jnk 1	9758-Keynon Ln FSR: 100 years: +45 %: 480 mins: Winter	98.159	98.855	0.697	0.3	0.3	2.782	Surcharged
Bl a Jnk 2	9758-Keynon Ln FSR: 100 years: +45 %: 15 mins: Winter	97.988	98.028	0.040	2.2	2.1	1.032	OK
Bl b Jnk 1	9758-Keynon Ln FSR: 100 years: +45 %: 15 mins: Winter	100.084	100.136	0.052	3.5	3.4	1.667	OK

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025		
	Designed by: GDR	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS		





9758-Keynon Ln FSR: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Avg. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)
Block a Acc Rd W	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	98.108	97.654	97.770	0.342	0.000	0.116	0.1	2.431	0.000	0.000	0.0	2.037
Block a 3 Drv	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	98.967	98.447	98.503	0.118	0.003	0.060	0.0	0.432	0.000	0.000	0.0	0.742
Block a 4 Drv	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	99.025	98.543	98.609	0.140	0.005	0.071	0.0	0.509	0.000	0.000	0.0	0.120
Block b 4 Drv	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	100.655	100.187	100.234	0.099	0.003	0.050	0.0	0.359	0.000	0.000	0.0	0.165
Block b 3 Drv	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	100.583	100.047	100.110	0.132	0.004	0.066	0.0	0.478	0.000	0.000	0.0	0.518
Block b 2 Drv	9758-Keynon Ln FSR: 2 years: +0 %: 960 mins: Winter	100.383	99.833	99.905	0.148	0.003	0.075	0.0	0.537	0.000	0.000	0.0	0.505
Block b 1 Drv	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	100.072	99.603	99.647	0.094	0.003	0.047	0.0	0.342	0.000	0.000	0.0	0.211
Block a 1 Drv	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	98.446	98.107	98.070	0.079	0.152	0.115	0.6	0.828	0.000	0.000	0.6	3.852
Block a 2 Drv	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	98.759	98.235	98.269	0.071	0.001	0.036	0.0	0.259	0.000	0.000	0.0	0.532
Block a Acc Rd E	9758-Keynon Ln FSR: 2 years: +0 %: 60 mins: Winter	98.392	98.235	98.236	0.003	0.000	0.001	0.0	0.030	0.000	0.000	0.0	0.001
Block b Acc Rd W	9758-Keynon Ln FSR: 2 years: +0 %: 240 mins: Winter	99.607	99.538	99.539	0.004	0.000	0.001	0.0	0.042	0.000	0.000	0.0	0.000

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS			

Percentage Available (%)	Status
80.696	OK
86.681	OK
84.294	OK
88.907	OK
85.249	OK
83.428	OK
89.447	OK
74.477	OK
92.042	OK
99.793	OK
99.627	OK

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE				Date: 05/03/2025									
				Designed by:		Checked by:						Approved By:	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase				GDR									
				Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS									

Block b Acc Rd E	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	100.058	99.741	99.802	0.245	0.000	0.061	0.1	2.508	0.000	0.000	0.0	0.000
Block a Acc Rd W Trn	9758-Keynon Ln FSR: 2 years: +0 %: 1440 mins: Winter	97.376	97.180	97.178	0.184	0.164	0.162	0.1	1.280	0.000	0.000	0.0	0.432
Block b Acc Rd W Trn	9758-Keynon Ln FSR: 2 years: +0 %: 240 mins: Winter	99.264	99.118	99.159	0.267	0.178	0.220	0.2	1.132	0.000	0.000	0.4	1.107
Block b Acc Rd E Trn	9758-Keynon Ln FSR: 2 years: +0 %: 240 mins: Winter	99.503	99.358	99.393	0.263	0.178	0.212	0.2	1.139	0.000	0.000	0.4	0.613
Block a Acc Rd E Trn	9758-Keynon Ln FSR: 2 years: +0 %: 60 mins: Winter	98.256	98.151	98.192	0.267	0.184	0.225	0.7	0.451	0.000	0.000	0.5	0.513

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025			
	Designed by: GDR	Checked by:	Approved By:	
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase			
Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS				

87.713	OK
81.276	OK
71.165	OK
67.985	OK
60.013	OK

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025		
	Designed by: GDR	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS		



9758-Keynon Ln FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Avg. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)
Block a Acc Rd W	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	98.254	97.654	97.818	0.489	0.000	0.164	0.2	3.449	0.000	0.000	0.0	5.505
Block a 3 Drv	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	99.178	98.456	98.610	0.329	0.012	0.167	0.0	1.202	0.000	0.000	0.0	0.098
Block a 4 Drv	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	99.242	98.556	98.721	0.357	0.018	0.182	0.0	1.313	0.000	0.000	0.0	0.091
Block b 4 Drv	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	100.849	100.196	100.337	0.293	0.012	0.153	0.0	1.099	0.000	0.000	0.0	0.129
Block b 3 Drv	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	100.805	100.173	100.285	0.354	0.130	0.242	0.1	1.739	0.000	0.000	0.1	0.919
Block b 2 Drv	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	100.505	99.840	99.971	0.270	0.010	0.140	0.1	1.010	0.000	0.000	0.0	0.309
Block b 1 Drv	9758-Keynon Ln FSR: 30 years: +0 %: 960 mins: Winter	100.267	99.607	99.746	0.289	0.007	0.146	0.1	1.053	0.000	0.000	0.0	0.210
Block a 1 Drv	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	98.573	98.255	98.206	0.206	0.300	0.251	1.9	1.807	0.000	0.000	2.2	18.214
Block a 2 Drv	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	98.976	98.242	98.379	0.288	0.009	0.146	0.0	1.055	0.000	0.000	0.0	0.200
Block a Acc Rd E	9758-Keynon Ln FSR: 30 years: +0 %: 120 mins: Winter	98.397	98.235	98.237	0.008	0.000	0.002	0.0	0.070	0.000	0.000	0.0	0.011
Block b Acc Rd W	9758-Keynon Ln FSR: 30 years: +0 %: 480 mins: Winter	99.612	99.538	99.541	0.010	0.000	0.003	0.0	0.090	0.000	0.000	0.0	0.000

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025		
	Designed by: GDR	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address: ADS CONSULT 107 MERE GRANGE BUSINESS PK LEASIDE, ST HELENS		



Percentage Available (%)	Status
72.608	OK
62.893	OK
59.461	OK
66.093	OK
46.332	OK
68.828	OK
67.503	OK
44.277	OK
67.587	OK
99.512	OK
99.201	OK

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE				Date: 05/03/2025									
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Block b Acc Rd E	9758-Keynon Ln FSR: 30 years: +0 %: 1440 mins: Winter	100.173	99.741	99.832	0.360	0.000	0.092	0.1	3.739	0.000	0.000	0.0	0.894
Block a Acc Rd W Trn	9758-Keynon Ln FSR: 30 years: +0 %: 240 mins: Winter	97.442	97.220	97.210	0.250	0.204	0.194	0.7	1.534	0.000	0.000	0.2	0.629
Block b Acc Rd W Trn	9758-Keynon Ln FSR: 30 years: +0 %: 120 mins: Winter	99.345	99.148	99.222	0.348	0.208	0.283	1.1	1.455	0.000	0.000	1.0	2.662
Block b Acc Rd E Trn	9758-Keynon Ln FSR: 30 years: +0 %: 120 mins: Winter	99.614	99.379	99.451	0.374	0.199	0.270	0.7	1.451	0.000	0.000	0.7	1.332
Block a Acc Rd E Trn	9758-Keynon Ln FSR: 30 years: +0 %: 30 mins: Winter	98.340	98.163	98.240	0.350	0.196	0.273	0.9	0.548	0.000	0.000	0.7	1.138

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81.683	OK
77.555	OK
62.914	OK
59.219	OK
51.475	OK

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9758-Keynon Ln FSR: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Resident Volume

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Avg. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)
Block a Acc Rd W	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	98.552	97.661	98.436	0.787	0.007	0.782	0.4	8.479	0.158	0.000	0.0	6.565
Block a 3 Drv	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	99.223	98.460	98.639	0.373	0.017	0.195	0.1	1.405	0.000	0.000	0.0	0.809
Block a 4 Drv	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	99.300	98.563	98.759	0.416	0.025	0.220	0.1	1.585	0.000	0.000	0.0	0.857
Block b 4 Drv	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	100.851	100.313	100.396	0.295	0.129	0.212	0.1	1.525	0.000	0.000	0.0	1.148
Block b 3 Drv	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	100.842	100.313	100.373	0.391	0.270	0.330	0.2	2.378	0.000	0.000	0.1	0.996
Block b 2 Drv	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	100.506	99.841	99.972	0.272	0.011	0.141	0.1	1.017	0.000	0.000	0.0	1.184
Block b 1 Drv	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	100.279	99.614	99.758	0.301	0.014	0.158	0.1	1.134	0.000	0.000	0.0	0.996
Block a 1 Drv	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	98.715	98.367	98.335	0.348	0.412	0.380	2.1	2.737	0.000	0.000	0.9	10.268
Block a 2 Drv	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	98.979	98.273	98.398	0.291	0.040	0.165	0.1	1.196	0.000	0.000	0.0	1.158
Block a Acc Rd E	9758-Keynon Ln FSR: 100 years: +45 %: 360 mins: Winter	98.405	98.235	98.239	0.016	0.000	0.004	0.0	0.142	0.000	0.000	0.0	0.106
Block b Acc Rd W	9758-Keynon Ln FSR: 100 years: +45 %: 240 mins: Winter	99.626	99.538	99.546	0.024	0.000	0.008	0.0	0.227	0.000	0.000	0.0	0.009

Project: KENYON LANE MIDDLETON WHITE COX ARCHITECTURE	Date: 05/03/2025		
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Percentage Available (%)	Status
32.657	Flood
56.643	OK
51.046	OK
52.927	OK
26.602	OK
68.617	OK
64.986	OK
15.572	OK
63.260	OK
99.015	OK
97.984	OK

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Block b Acc Rd E	9758-Keynon Ln FSR: 100 years: +45 %: 1440 mins: Winter	100.495	99.741	100.421	0.682	0.000	0.681	0.2	6.140	0.079	0.000	0.0	2.432
Block a Acc Rd W Trn	9758-Keynon Ln FSR: 100 years: +45 %: 120 mins: Winter	97.497	97.265	97.292	0.305	0.249	0.276	1.4	2.185	0.000	0.000	0.4	1.505
Block b Acc Rd W Trn	9758-Keynon Ln FSR: 100 years: +45 %: 60 mins: Winter	99.537	99.173	99.331	0.540	0.234	0.392	2.2	2.017	0.000	0.000	1.7	5.235
Block b Acc Rd E Trn	9758-Keynon Ln FSR: 100 years: +45 %: 60 mins: Winter	99.780	99.540	99.617	0.540	0.360	0.436	2.9	2.342	0.000	0.000	1.4	2.704
Block a Acc Rd E Trn	9758-Keynon Ln FSR: 100 years: +45 %: 30 mins: Winter	98.480	98.217	98.325	0.491	0.250	0.358	1.9	0.717	0.000	0.000	2.4	3.947

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69.917	Flood
68.026	OK
48.615	OK
34.175	OK
36.447	Flood Risk