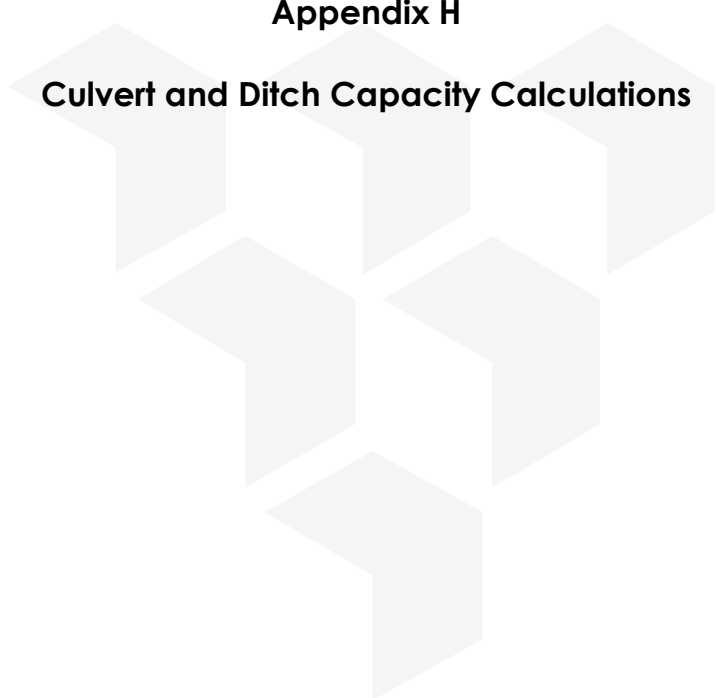




Appendix H

Culvert and Ditch Capacity Calculations

Rainfall Run-Off Calculation
Mowbray, Horsham
RMA2 Culverts
(Culvert C1-C4)

General Inputs

Site Location	Horsham	
Hydrological Region	6	
SAAR (mm)	800	
Soil Type	0.45	
SPR	0.45	
M5-60 (mm)	20	
r	0.35	
Total site area (m ²)	6,007	Post-development catchment area.
Runoff coefficient	0.55	Based on sloping clay soils.
Total site area (m ²)	6,007	

Rainfall Calculation

Method: Wall. procedure Z1 * M5-60 Wall. procedure Z2 * M5-D M100-D / D D * Q_{BAR}

1 in 1 YEAR

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 1)	M1-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	0.64	12.8	12.8	11.7

1 in 2 YEAR

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 2)	M2-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	0.81	16.2	16.2	14.9

1 in 30 YEAR

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 30)	M30-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	1.54	30.8	30.8	28.3

1 in 100 YEAR

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 100)	M100-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	2.03	40.6	40.6	37.3

1 in 100 YEAR +45% CLIMATE CHANGE

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 100)	M100-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	2.03	40.6	58.87	54.0

PIPE CAPACITY

Diameter (mm)	Gradient	Capacity (l/s)
450	1:79	358.6

Rainfall Run-Off Calculation
Mowbray, Horsham
RMA2 Culverts
(Culvert C5)

General Inputs

Site Location	Horsham	
Hydrological Region	6	
SAAR (mm)	800	
Soil Type	0.45	
SPR	0.45	
M5-60 (mm)	20	
r	0.35	
Total site area (m ²)	27,180	Post-development catchment area.
Runoff coefficient	0.55	Based on sloping clay soils.
Total site area (m ²)	27,180	

Rainfall Calculation

Method: Wall. procedure Z1 * M5-60 Wall. procedure Z2 * M5-D M100-D / D D * Q_{BAR}

1 in 1 YEAR

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 1)	M1-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	0.64	12.8	12.8	53.2

1 in 2 YEAR

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 2)	M2-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	0.81	16.2	16.2	67.3

1 in 30 YEAR

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 30)	M30-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	1.54	30.8	30.8	127.9

1 in 100 YEAR

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 100)	M100-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	2.03	40.6	40.6	168.6

1 in 100 YEAR +45% CLIMATE CHANGE

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 100)	M100-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	2.03	40.6	58.87	244.5

PIPE CAPACITY

Diameter (mm)	Gradient	Capacity (l/s)
450	1:114	298.5

Rainfall Run-Off Calculation
Mowbray, Horsham
RMA2 Culverts
(Culvert C6)

General Inputs

Site Location	Horsham	
Hydrological Region	6	
SAAR (mm)	800	
Soil Type	0.45	
SPR	0.45	
M5-60 (mm)	20	
r	0.35	
Total site area (m ²)	61,684	Post-development catchment area.
Runoff coefficient	0.55	Based on sloping clay soils.
Total site area (m ²)	61,684	

Rainfall Calculation

Method: Wall. procedure Z1 * M5-60 Wall. procedure Z2 * M5-D M100-D / D D * Q_{BAR}

1 in 1 YEAR

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 1)	M1-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	0.64	12.8	12.8	120.6

1 in 2 YEAR

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 2)	M2-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	0.81	16.2	16.2	152.7

1 in 30 YEAR

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 30)	M30-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	1.54	30.8	30.8	290.3

1 in 100 YEAR

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 100)	M100-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	2.03	40.6	40.6	382.6

1 in 100 YEAR +45% CLIMATE CHANGE

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 100)	M100-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	2.03	40.6	58.87	554.8

PIPE CAPACITY

Diameter (mm)	Gradient	Capacity (l/s)
600	1:81	762.8

Rainfall Run-Off Calculation
Mowbray, Horsham
RMA2 Culverts
(Culvert C7)

General Inputs

Site Location	Horsham	
Hydrological Region	6	
SAAR (mm)	800	
Soil Type	0.45	
SPR	0.45	
M5-60 (mm)	20	
r	0.35	
Total site area (m ²)	1,521	Post-development catchment area.
Runoff coefficient	0.55	Based on sloping clay soils.
Total site area (m ²)	1,521	

Rainfall Calculation

Method: Wall. procedure Z1 * M5-60 Wall. procedure Z2 * M5-D M100-D / D D * Q_{BAR}

1 in 1 YEAR

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 1)	M1-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	0.64	12.8	12.8	3.0

1 in 2 YEAR

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 2)	M2-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	0.81	16.2	16.2	3.8

1 in 30 YEAR

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 30)	M30-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	1.54	30.8	30.8	7.2

1 in 100 YEAR

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 100)	M100-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	2.03	40.6	40.6	9.4

1 in 100 YEAR +45% CLIMATE CHANGE

Storm Duration D (min)	Z1	M5-D (mm)	Z2 (1 in 100)	M100-D (mm)	Rainfall Intensity i (mm/hr)	Runoff (l/s)
60	1.00	20	2.03	40.6	58.87	13.7

PIPE CAPACITY

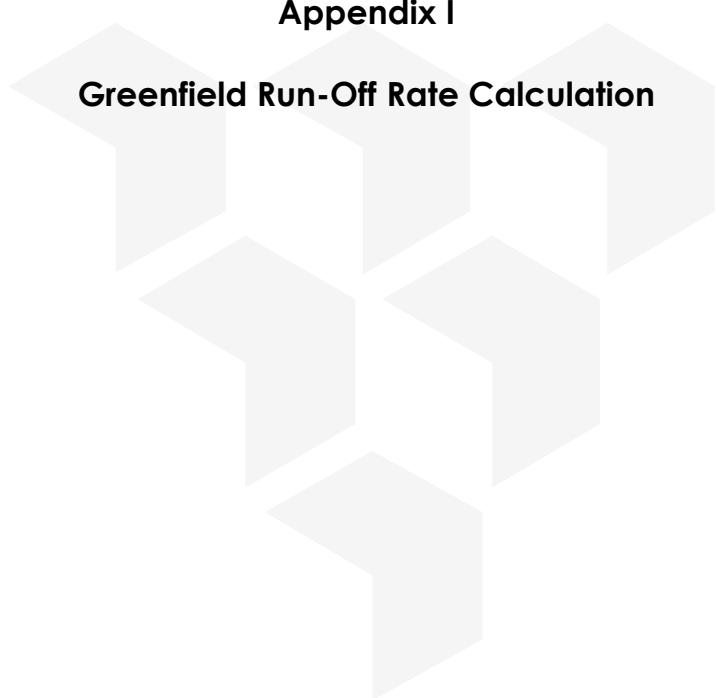
Diameter (mm)	Gradient	Capacity (l/s)
450	1:44	480.6

Existing Ditch Capacity Calculations
Mowbray, Horsham
RMA2 - Employment Land

Culvert Location Reference:			C1	C2	C3	C4	C5	C6	C7
Base Width	w	m	0.8	0.80	0.80	0.8	1.00	1.20	0.82
Height	r	m	0.57	0.56	0.64	0.65	0.45	1.00	1.00
Side Width 1			0.85	0.60	1.00	0.85	0.54	0.90	1.20
Side Width 2			0.75	1.00	0.90	0.75	1.16	0.90	0.63
Slope	S	m/m	0.008	0.009	0.007	0.013	0.006	0.006	0.025
Area	A	m ²	0.912	0.896	1.120	1.040	0.833	2.100	1.735
Perimeter	P	m	2.765	2.767	3.092	2.863	2.947	3.891	3.564
Hydraulic Radius	R _H	m	0.330	0.324	0.362	0.363	0.282	0.540	0.487
Manning's n	n	-	0.035	0.035	0.035	0.035	0.035	0.035	0.035
Velocity	V	m/s	1.225	1.291	1.210	1.637	0.969	1.453	2.796
Flow Rate	Q	l/s	1,117	1,156	1,355	1,702	807	3,051	4,850

Appendix I

Greenfield Run-Off Rate Calculation



This is an estimation of the greenfield runoff rates that are used to meet normal best practice criteria in line with Environment Agency guidance “Rainfall runoff management for developments”, SC030219 (2013), the SuDS Manual C753 (CIRIA, 2015) and the non-statutory standards for SuDS (Defra, 2015). This information on greenfield runoff rates may be the basis for setting consents for the drainage of surface water runoff from sites.

Project details

Date	19/06/2025
Calculated by	CS
Reference	8220585
Model version	2.0.1

Location

Site name	Mowbray
Site location	Horsham



Site easting	519314
Site northing	133364

Site details

Total site area (ha)	1	ha
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OK, I AGREE

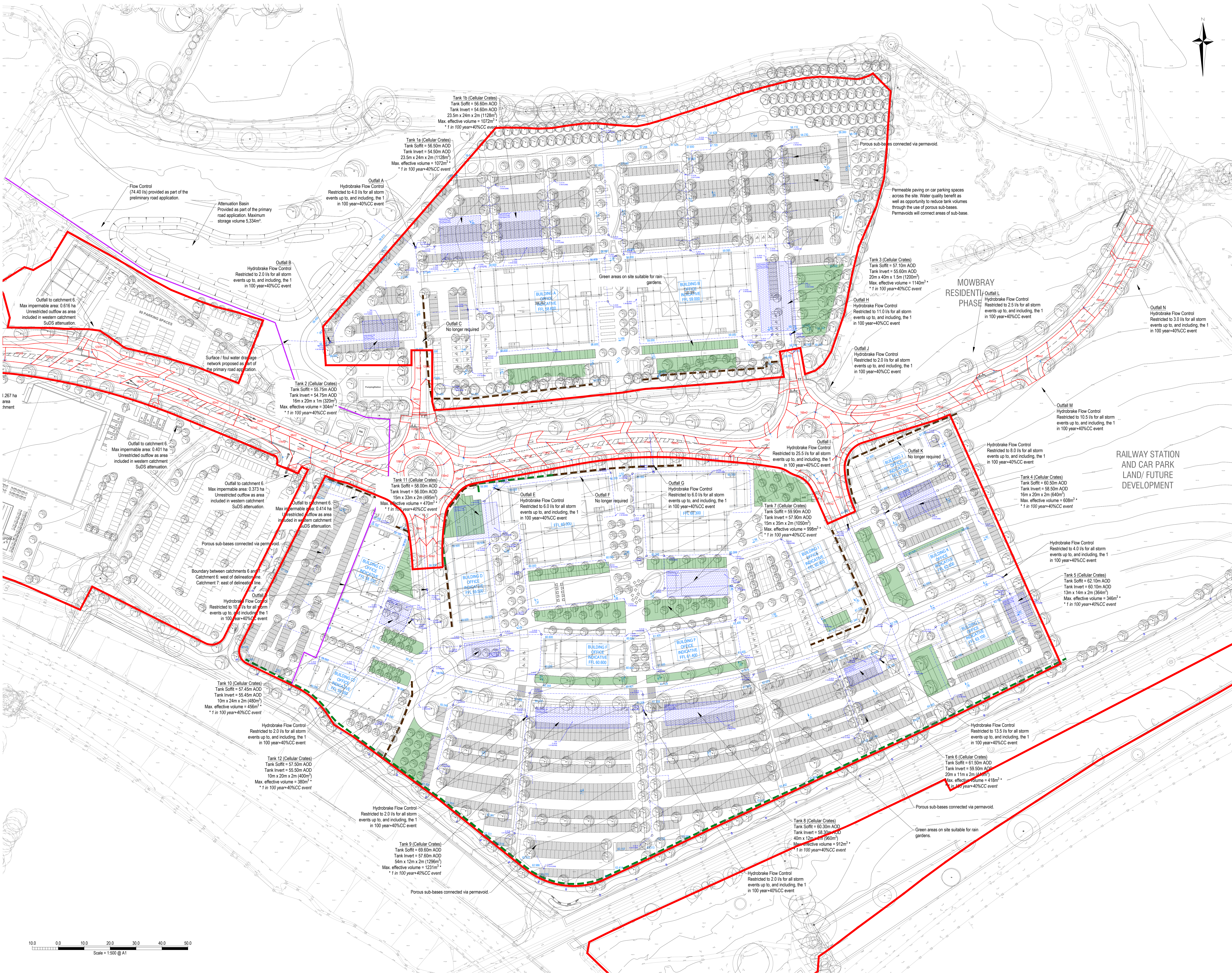
MORE INFO

By clicking the Accept button, you agree to us doing so.

Appendix J

Drainage Layouts





NOTES

- This drawing is to be read in conjunction with all other relevant documents and specifications.
- This drawing has been prepared for information only and must not be used for costing, or construction purposes.
- Do not scale from this drawing.
- This drawing shows the indicative finished floor levels and external spot levels for the employment land warehouse option arrangement. Generally levels fall at 1:40 for yard areas and between building FFLs. Key earthworks/bankments and retaining features are indicatively shown. Refer to Levels Strategy drawing for further details.
- SuDS sizing based on InfoDrainage calculations.
- Indicative drainage routes, manhole levels, pipe sizes, tank sizes, etc to be refined following further development of Masterplan and hydraulic calculations.

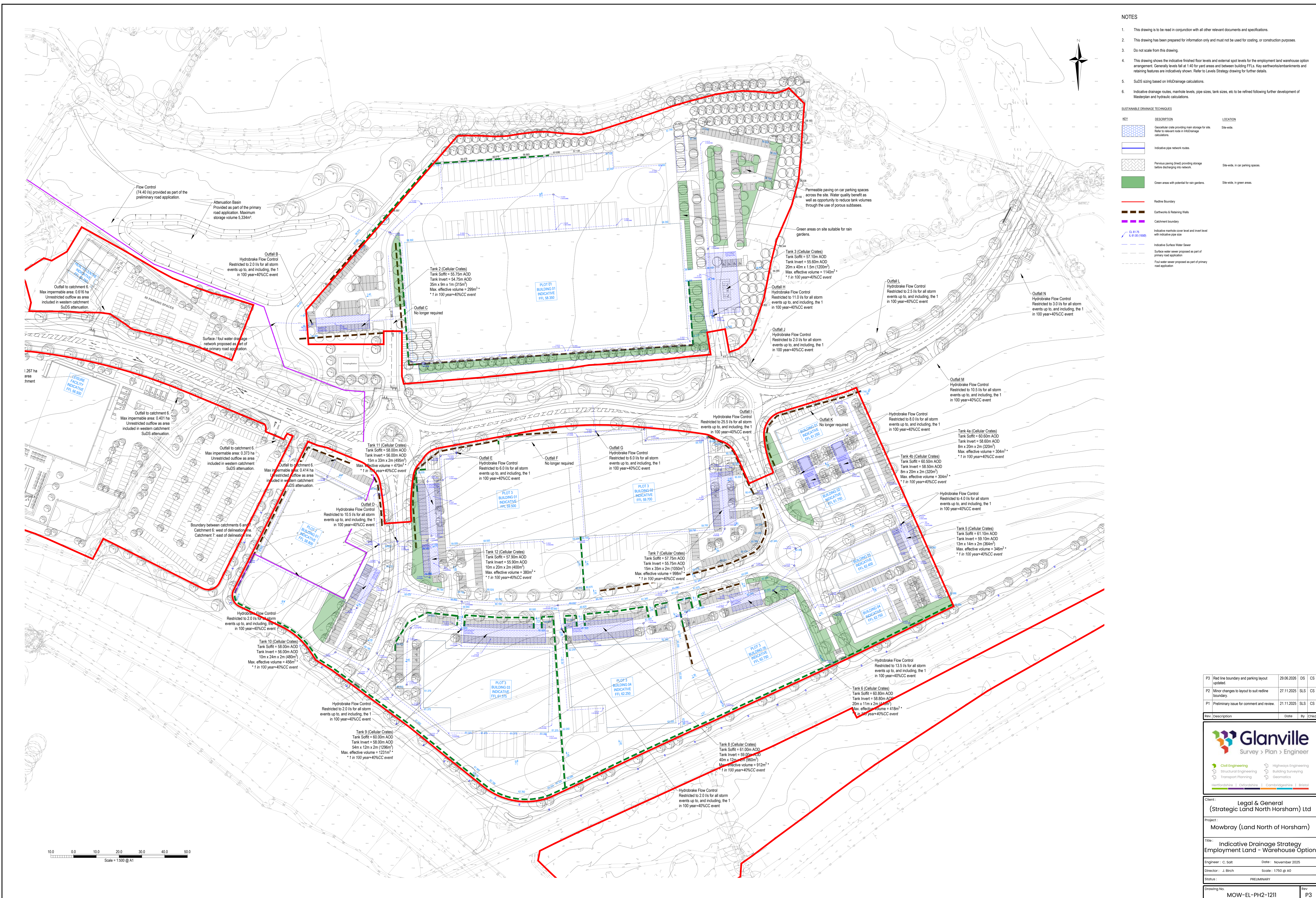
SUSTAINABLE DRAINAGE TECHNIQUES

KEY	DESCRIPTION	LOCATION
	Geocellular crates providing rain storage for site. Refer to relevant note in InfoDrainage	Site-wide.
	Indicative pipe network routes.	
	Previous paving (lined) providing storage before discharging into network.	Site-wide, in car parking spaces.
	Green areas with potential for rain gardens.	Site-wide, in green areas.
	Redline Boundary	
	Earthworks & Retaining Walls	
	Catchment boundary	
	Indicative manhole cover level and invert level with indicative pipe size	
	Indicative Surface Water Sewer	
	Surface water sewer proposed as part of primary road application	
	Foul water sewer proposed as part of primary road application	

P3	Red line boundary and parking layout updated.	29.06.2026	DS	CS
P2	Minor changes to layout to suit redline boundary.	27.11.2025	SLS	CS
P1	Preliminary issue for comment and review.	21.11.2025	SLS	CS
Rev.	Description	Date	By	CHKD



Client:	Legal & General (Strategic Land North Horsham) Ltd		
Project:	Mowbray (Land North of Horsham)		
Title:	Indicative Drainage Strategy Employment Land - Offices Option		
Engineer:	C. Salt	Date:	November 2025
Director:	J. Birch	Scale:	1:750 @ A0
Status:	PRELIMINARY		
Drawing No.	MOW-EL-PH2-1210		Rev P3



Appendix K

Catchment 6 – Hydraulic Calculations

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Storm Phase: Phase Flow Path: S104		Revision: Rev 3			

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
S30	Manhole	519689.665	133368.529	56.900	2.470	54.430	Circular	1.500
S29	Manhole	519651.049	133382.996	56.525	2.290	54.235	Circular	1.500
S28	Manhole	519585.537	133410.128	55.825	1.825	54.000	Circular	1.500
S27	Manhole	519554.630	133421.601	55.450	3.015	52.435	Circular	1.500
S26	Manhole	519518.308	133430.390	54.975	2.625	52.350	Circular	1.500
S25	Manhole	519475.001	133436.769	54.475	2.375	52.100	Circular	1.800
S24	Manhole	519438.209	133435.586	54.750	2.725	52.025	Circular	1.800
S23	Manhole	519416.290	133427.398	55.010	3.030	51.980	Circular	1.800
S22	Manhole	519399.763	133408.908	55.715	3.785	51.930	Circular	1.800
S21	Manhole	519383.867	133419.071	54.300	2.655	51.645	Circular	1.800
S20	Manhole	519303.005	133390.353	53.500	2.550	50.950	Circular	1.200
HW6	Manhole	519297.122	133397.985	52.900	2.000	50.900	Circular	1.200

Name	Lock
S30	None
S29	None
S28	None
S27	None
S26	None
S25	None
S24	None
S23	None
S22	None
S21	None
S20	None
HW6	None

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: Phase Flow Path: S104	Revision: Rev 3		

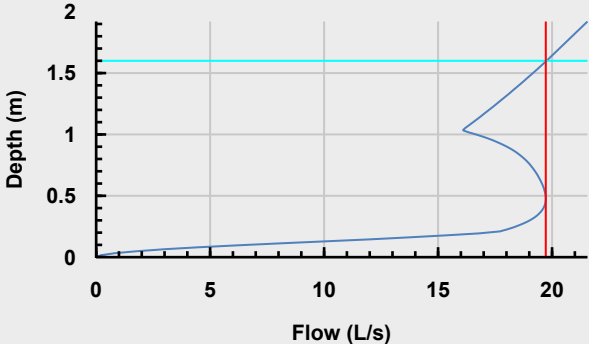


Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S30	Inlet	Employment 1	(None)	No Restriction
	Inlet (1)	Highway Area 22	(None)	No Restriction
S29	Inlet	2.000 Sub-Station 2	(None)	No Restriction
	Inlet (1)	Leisure Parcel 3	(None)	No Restriction
S28	Inlet	2.001	(None)	No Restriction
	Inlet (1)	Highway Area 21	(None)	No Restriction
	Inlet (2)	Highway Area 20	(None)	No Restriction
	Inlet (3)	Leisure Parcel 2	(None)	No Restriction
S27	Inlet	2.002	(None)	No Restriction
S26	Inlet	Health Centre 2.003	(None)	No Restriction
	Inlet (1)	Highway Area 19 Highway Area 18	(None)	No Restriction
S25	Inlet	2.004	(None)	No Restriction
	Inlet (1)	Highway Area 17	(None)	No Restriction
	Inlet (2)	Highway Area 16	(None)	No Restriction
S24	Inlet	2.005 Highway Area 13	(None)	No Restriction
	Inlet (1)	2.101	(None)	No Restriction
S23	Inlet	2.006 Highway Area 11 Highway Area 12 Highway Area 14 Highway Area 15	(None)	No Restriction
S22	Inlet	2.007 Highway Area 10	(None)	No Restriction
S21	Inlet	2.008	(None)	No Restriction
	Inlet (1)	6.000	(None)	No Restriction
S20	Inlet	2.010	(None)	No Restriction
HW6	Inlet	2.011	(None)	No Restriction

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Storm Phase: Phase Flow Path: S104		Revision: Rev 3			

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
S30	Outlet	2.000	Free Discharge
S29	Outlet	2.001	Free Discharge
S28	Outlet	2.002	Free Discharge
S27	Outlet	2.003	Free Discharge
S26	Outlet	2.004	Free Discharge
S25	Outlet	2.005	Free Discharge
S24	Outlet	2.006	Free Discharge
S23	Outlet	2.007	Free Discharge
S22	Outlet	2.008	Free Discharge
S21	Outlet	2.009	Free Discharge
S20	Outlet	(None)	Hydro-Brake®
	Invert Level (m)	50.950	
	Design Depth (m)	1.600	
	Design Flow (L/s)	19.8	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0189-1980-1600-1980	
			
	Outlet (1)	2.011	Free Discharge
HW6	Outlet	(None)	Flap Valve
	Diameter (m)	0.225	
	Coefficient of Discharge	0.600	
	Invert Level (m)	50.900	

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase Flow Path: S104	Revision: Rev 3		



Pond 6a

Type : Pond

Dimensions

Exceedance Level (m)	52.900
Depth (m)	1.900
Base Level (m)	51.000
Freeboard (mm)	300
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	5.044
Total Volume (m³)	3004.776

Depth (m)	Area (m²)	Volume (m³)
0.000	1295.00	0.000
1.900	2806.15	3804.716

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	2.009
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	3.004
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (2)

Inlet Type	Point Inflow
Incoming Item(s)	4.002
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	2.010
Outlet Type	Free Discharge

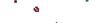
Advanced

Perimeter	Circular
Length (m)	78.580
Friction Scheme	Manning's n
n	0.03

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Phase Flow Path: S104		Revision: Rev 3			

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
				Outgoing Connections				Cover		
S30	56.900 54.430		Diameter / Length: 1.500					Manhole	{a} Free Discharge	
E:519689.665 N:133368.529	2.470			{a} 2.000	Pipe	54.430	Diam/Width: 525	Not Applicable		
S29	56.525 54.235		Diameter / Length: 1.500	{1} 2.000	Pipe	54.235	Diam/Width: 525	Manhole	{a} Free Discharge	
E:519651.049 N:133382.996	2.290			{a} 2.001	Pipe	54.235	Diam/Width: 525	Not Applicable		
S28	55.825 54.000		Diameter / Length: 1.500	{1} 2.001	Pipe	54.075	Diam/Width: 525	Manhole	{a} Free Discharge	
E:519585.537 N:133410.128	1.825			{a} 2.002	Pipe	54.000	Diam/Width: 600	Not Applicable		
S27	55.450 52.435		Diameter / Length: 1.500	{1} 2.002	Pipe	52.435	Diam/Width: 600	Manhole	{a} Free Discharge	
E:519554.630 N:133421.601	3.015			{a} 2.003	Pipe	52.435	Diam/Width: 600	Not Applicable		
S26	54.975 52.350		Diameter / Length: 1.500	{1} 2.003	Pipe	52.350	Diam/Width: 600	Manhole	{a} Free Discharge	
E:519518.308 N:133430.390	2.625			{a} 2.004	Pipe	52.350	Diam/Width: 600	Not Applicable		

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Phase Flow Path: S104		Revision: Rev 3			

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
				Outgoing Connections				Cover		
S25	54.475 52.100		Diameter / Length: 1.800	{1} 2.004	Pipe	52.250	Diam/Width: 600	Manhole	{a} Free Discharge	
E:519475.001 N:133436.769	2.375			{a} 2.005	Pipe	52.100	Diam/Width: 750	Not Applicable		
S24	54.750 52.025		Diameter / Length: 1.800	{1} 2.005	Pipe	52.025	Diam/Width: 750	Manhole	{a} Free Discharge	
E:519438.209 N:133435.586	2.725			{2} 2.101	Pipe	52.325	Diam/Width: 450			
				{a} 2.006	Pipe	52.025	Diam/Width: 750	Not Applicable		
S23	55.010 51.980		Diameter / Length: 1.800	{1} 2.006	Pipe	51.980	Diam/Width: 750	Manhole	{a} Free Discharge	
E:519416.290 N:133427.398	3.030			{a} 2.007	Pipe	51.980	Diam/Width: 750	Not Applicable		
S22	55.715 51.930		Diameter / Length: 1.800	{1} 2.007	Pipe	51.930	Diam/Width: 750	Manhole	{a} Free Discharge	
E:519399.763 N:133408.908	3.785			{a} 2.008	Pipe	51.930	Diam/Width: 750	Not Applicable		

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Phase Flow Path: S104		Revision: Rev 3			

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
				Outgoing Connections				Cover		
S21	54.300 51.645		Diameter / Length: 1.800	{1} 2.008	Pipe	51.645	Diam/Width: 750	Manhole	{a} Free Discharge	
E:519383.867 N:133419.071	2.655			{2} 6.000	Pipe	52.245	Diam/Width: 150			
				{a} 2.009	Pipe	51.645	Diam/Width: 750	Not Applicable		
S20	53.500 50.950		Diameter / Length: 1.200	{1} 2.010	Pipe	50.950	Diam/Width: 600	Manhole	{a} Free Discharge	
E:519303.005 N:133390.353	2.550									
				{a} 2.011	Pipe	50.950	Diam/Width: 225	Not Applicable		
HW6	52.900 50.900		Diameter / Length: 1.200	{1} 2.011	Pipe	50.900	Diam/Width: 225	Manhole		
E:519297.122 N:133397.985	2.000									
								Not Applicable		

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
Report Details: Type: Inflow Summary Storm Phase: Phase Flow Path: S104	Revision: Rev 3		



Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Employment 1	S30		Time of Concentration	0.460	90	0	90	0.414
Highway Area 22	S30		Time of Concentration	0.064	100	0	100	0.064
Sub-Station 2	S29		Time of Concentration	0.002	100	0	100	0.002
Leisure Parcel 3	S29		Time of Concentration	0.466	80	0	80	0.373
Highway Area 21	S28		Time of Concentration	0.046	100	0	100	0.046
Highway Area 20	S28		Time of Concentration	0.162	100	0	100	0.162
Leisure Parcel 2	S28		Time of Concentration	0.502	80	0	80	0.401
Health Centre	S26		Time of Concentration	0.770	80	0	80	0.616
Highway Area 19	S26		Time of Concentration	0.030	100	0	100	0.030
Highway Area 18	S26		Time of Concentration	0.096	100	0	100	0.096
Highway Area 17	S25		Time of Concentration	0.040	100	0	100	0.040
Highway Area 16	S25		Time of Concentration	0.090	100	0	100	0.090
Branch: 2.101								
Leisure Parcel 1	S24.1		Time of Concentration	1.584	80	0	80	1.267
Highway Area 13	S24		Time of Concentration	0.011	100	0	100	0.011
Highway Area 11	S23		Time of Concentration	0.015	100	0	100	0.015
Highway Area 12	S23		Time of Concentration	0.013	100	0	100	0.013
Highway Area 14	S23		Time of Concentration	0.007	100	0	100	0.007
Highway Area 15	S23		Time of Concentration	0.011	100	0	100	0.011
Highway Area 10	S22		Time of Concentration	0.016	100	0	100	0.016
Branch: 6.000								
Sub-Station 1	S31		Time of Concentration	0.004	100	0	100	0.004
Branch: 3.000								
Highway Area 5	S6		Time of Concentration	0.019	100	0	100	0.019
Highway Area 6	S7		Time of Concentration	0.014	100	0	100	0.014
Highway Area 7	S7		Time of Concentration	0.016	100	0	100	0.016
Highway Area 8	S9		Time of Concentration	0.027	100	0	100	0.027
Highway Area 9	S9		Time of Concentration	0.013	100	0	100	0.013
Branch: 4.000								
Highway Area 1	S1		Time of Concentration	0.009	100	0	100	0.009
Branch: 5.000								
Highway Area 4	S2A		Time of Concentration	0.021	100	0	100	0.021

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:	Approved By:	
Report Details: Type: Inflow Summary Storm Phase: Phase Flow Path: S104		Revision: Rev 3			

Highway Area 3	S2		Time of Concentration	0.018	100	0	100	0.018
Highway Area 2	S2		Time of Concentration	0.018	100	0	100	0.018
TOTAL		0.0		4.544				3.833

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Storm Phase: Phase Flow Path: Highway 2		Revision: Rev 3			

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
S1	Manhole	519256.591	133366.343	55.030	1.205	53.825	Circular	1.200
S2	Manhole	519323.850	133347.985	56.050	2.615	53.435	Circular	1.200
S3	Manhole	519327.658	133359.742	54.050	1.850	52.200	Circular	1.200

Name	Lock
S1	None
S2	None
S3	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S1	Inlet	Highway Area 1	(None)	No Restriction
S2	Inlet	4.000 Highway Area 3	(None)	No Restriction
	Inlet (1)	5.000	(None)	No Restriction
	Inlet (2)	Highway Area 2	(None)	No Restriction
S3	Inlet	4.001	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
S1	Outlet	4.000	Free Discharge
S2	Outlet	4.001	Free Discharge
S3	Outlet	4.002	Free Discharge

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase Flow Path: Highway 2	Revision: Rev 3		



Pond 6a

Type : Pond

Dimensions

Exceedance Level (m)	52.900
Depth (m)	1.900
Base Level (m)	51.000
Freeboard (mm)	300
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	5.044
Total Volume (m³)	3004.776

Depth (m)	Area (m²)	Volume (m³)
0.000	1295.00	0.000
1.900	2806.15	3804.716

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	2.009
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	3.004
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (2)

Inlet Type	Point Inflow
Incoming Item(s)	4.002
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	2.010
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	78.580
Friction Scheme	Manning's n
n	0.03

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Phase Flow Path: Highway 2		Revision: Rev 3			

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
				Outgoing Connections				Cover		
S1	55.030 53.825		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519256.591 N:133366.343	1.205			{a} 4.000	Pipe	53.825	Diam/Width: 225	Not Applicable		
S2	56.050 53.435		Diameter / Length: 1.200	{1} 4.000	Pipe	53.435	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519323.850 N:133347.985	2.615			{2} 5.000	Pipe	53.435	Diam/Width: 225			
				{a} 4.001	Pipe	53.435	Diam/Width: 225	Not Applicable		
S3	54.050 52.200		Diameter / Length: 1.200	{1} 4.001	Pipe	52.200	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519327.658 N:133359.742	1.850									
				{a} 4.002	Pipe	52.200	Diam/Width: 225	Not Applicable		

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Inflow Summary Storm Phase: Phase Flow Path: Highway 2		Revision: Rev 3			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Highway Area 1	S1		Time of Concentration	0.009	100	0	100	0.009
Branch: 5.000								
Highway Area 4	S2A		Time of Concentration	0.021	100	0	100	0.021
Highway Area 3	S2		Time of Concentration	0.018	100	0	100	0.018
Highway Area 2	S2		Time of Concentration	0.018	100	0	100	0.018
TOTAL		0.0		0.066				0.066

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Storm Phase: Phase Flow Path: Highway 2 (Branch)		Revision: Rev 3			

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
S2A	Manhole	519341.545	133342.798	56.600	1.425	55.175	Circular	1.200
S2	Manhole	519323.850	133347.985	56.050	2.615	53.435	Circular	1.200

Name	Lock
S2A	None
S2	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S2A	Inlet	Highway Area 4	(None)	No Restriction
S2	Inlet	4.000 Highway Area 3	(None)	No Restriction
	Inlet (1)	5.000	(None)	No Restriction
	Inlet (2)	Highway Area 2	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
S2A	Outlet	5.000	Free Discharge
S2	Outlet	4.001	Free Discharge

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Phase Flow Path: Highway 2 (Branch)		Revision: Rev 3			

Name	Cover Level (m) Invert Level (m)			Connection Details				Type		
Coordinates (m)	Depth (m)	Manhole Schematic	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
				Outgoing Connections				Cover		
S2A	56.600 55.175		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519341.545 N:133342.798	1.425			{a} 5.000	Pipe	55.175	Diam/Width: 225	Not Applicable		
S2	56.050 53.435		Diameter / Length: 1.200	{1} 4.000	Pipe	53.435	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519323.850 N:133347.985	2.615			{2} 5.000	Pipe	53.435	Diam/Width: 225			
				{a} 4.001	Pipe	53.435	Diam/Width: 225	Not Applicable		

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Inflow Summary Storm Phase: Phase Flow Path: Highway 2 (Branch)		Revision: Rev 3			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Highway Area 4	S2A		Time of Concentration	0.021	100	0	100	0.021
Highway Area 3	S2		Time of Concentration	0.018	100	0	100	0.018
Highway Area 2	S2		Time of Concentration	0.018	100	0	100	0.018
TOTAL		0.0		0.057				0.057

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Storm Phase: Phase Flow Path: Highway 1		Revision: Rev 3			

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
S6	Manhole	519378.196	133344.601	57.650	1.575	56.075	Circular	1.200
S7	Manhole	519378.272	133360.573	57.325	1.600	55.725	Circular	1.200
S8	Manhole	519383.197	133373.461	57.215	1.827	55.388	Circular	1.200
S9	Manhole	519387.869	133385.684	56.850	1.800	55.050	Circular	1.200
S10	Manhole	519375.265	133390.380	54.900	2.235	52.665	Circular	1.200

Name	Lock
S6	None
S7	None
S8	None
S9	None
S10	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S6	Inlet	Highway Area 5	(None)	No Restriction
S7	Inlet	3.000 Highway Area 6	(None)	No Restriction
	Inlet (1)	Highway Area 7	(None)	No Restriction
S8	Inlet	3.001	(None)	No Restriction
S9	Inlet	Highway Area 8 Highway Area 9	(None)	No Restriction
	Inlet (1)	3.002	(None)	No Restriction
S10	Inlet	3.003	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
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	3.004	Free Discharge

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase Flow Path: Highway 1	Revision: Rev 3		



Pond 6a

Type : Pond

Dimensions

Exceedance Level (m)	52.900
Depth (m)	1.900
Base Level (m)	51.000
Freeboard (mm)	300
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	5.044
Total Volume (m³)	3004.776

Depth (m)	Area (m²)	Volume (m³)
0.000	1295.00	0.000
1.900	2806.15	3804.716

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	2.009
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	3.004
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (2)

Inlet Type	Point Inflow
Incoming Item(s)	4.002
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	2.010
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	78.580
Friction Scheme	Manning's n
n	0.03

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Phase Flow Path: Highway 1		Revision: Rev 3			

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
				Outgoing Connections				Cover		
S6	57.650 56.075		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519378.196 N:133344.601	1.575			{a} 3.000	Pipe	56.075	Diam/Width: 225	Not Applicable		
S7	57.325 55.725		Diameter / Length: 1.200	{1} 3.000	Pipe	55.725	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519378.272 N:133360.573	1.600			{a} 3.001	Pipe	55.725	Diam/Width: 225	Not Applicable		
S8	57.215 55.388		Diameter / Length: 1.200	{1} 3.001	Pipe	55.388	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519383.197 N:133373.461	1.827			{a} 3.002	Pipe	55.388	Diam/Width: 225	Not Applicable		
S9	56.850 55.050		Diameter / Length: 1.200	{1} 3.002	Pipe	55.050	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519387.869 N:133385.684	1.800			{a} 3.003	Pipe	55.050	Diam/Width: 225	Not Applicable		
S10	54.900 52.665		Diameter / Length: 1.200	{1} 3.003	Pipe	52.665	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519375.265 N:133390.380	2.235			{a} 3.004	Pipe	52.665	Diam/Width: 225	Not Applicable		

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Inflow Summary Storm Phase: Phase Flow Path: Highway 1		Revision: Rev 3			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Highway Area 5	S6		Time of Concentration	0.019	100	0	100	0.019
Highway Area 6	S7		Time of Concentration	0.014	100	0	100	0.014
Highway Area 7	S7		Time of Concentration	0.016	100	0	100	0.016
Highway Area 8	S9		Time of Concentration	0.027	100	0	100	0.027
Highway Area 9	S9		Time of Concentration	0.013	100	0	100	0.013
TOTAL		0.0		0.089				0.089

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Storm Phase: Phase Flow Path: S104 (Branch)		Revision: Rev 3			

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
S24.1	Manhole	519451.410	133424.784	54.850	2.465	52.385	Circular	1.200
S24	Manhole	519438.209	133435.586	54.750	2.725	52.025	Circular	1.800

Name	Lock
S24.1	None
S24	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S24.1	Inlet	Leisure Parcel 1	(None)	No Restriction
S24	Inlet	2.005 Highway Area 13	(None)	No Restriction
	Inlet (1)	2.101	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
S24.1	Outlet	2.101	Free Discharge
S24	Outlet	2.006	Free Discharge

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Phase Flow Path: S104 (Branch)		Revision: Rev 3			

Name	Cover Level (m) Invert Level (m)			Connection Details				Type		
Coordinates (m)	Depth (m)	Manhole Schematic	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
				Outgoing Connections				Cover		
S24.1	54.850 52.385		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519451.4 10 N:133424.7 84	2.465			{a} 2.101	Pipe	52.385	Diam/Width: 450	Not Applicable		
S24	54.750 52.025		Diameter / Length: 1.800	{1} 2.005	Pipe	52.025	Diam/Width: 750	Manhole	{a} Free Discharge	
E:519438.2 09 N:133435.5 86	2.725			{2} 2.101	Pipe	52.325	Diam/Width: 450			
				{a} 2.006	Pipe	52.025	Diam/Width: 750	Not Applicable		

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Inflow Summary Storm Phase: Phase Flow Path: S104 (Branch)		Revision: Rev 3			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Leisure Parcel 1	S24.1		Time of Concentration	1.584	80	0	80	1.267
Highway Area 13	S24		Time of Concentration	0.011	100	0	100	0.011
TOTAL		0.0		1.595				1.278

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Storm Phase: Phase Flow Path: Private		Revision: Rev 3			

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
S31	Manhole	519394.745	133429.518	55.275	1.350	53.925	Circular	1.200
S21	Manhole	519383.867	133419.071	54.300	2.655	51.645	Circular	1.800

Name	Lock
S31	None
S21	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S31	Inlet	Sub-Station 1	(None)	No Restriction
S21	Inlet	2.008	(None)	No Restriction
	Inlet (1)	6.000	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
S31	Outlet	6.000	Free Discharge
S21	Outlet	2.009	Free Discharge

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Phase Flow Path: Private		Revision: Rev 3			

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
				Outgoing Connections				Cover		
S31	55.275 53.925		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519394.745 N:133429.518	1.350			{a} 6.000	Pipe	53.925	Diam/Width: 150	Not Applicable		
S21	54.300 51.645		Diameter / Length: 1.800	{1} 2.008	Pipe	51.645	Diam/Width: 750	Manhole	{a} Free Discharge	
E:519383.867 N:133419.071	2.655			{2} 6.000	Pipe	52.245	Diam/Width: 150			
				{a} 2.009	Pipe	51.645	Diam/Width: 750	Not Applicable		

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Inflow Summary Storm Phase: Phase Flow Path: Private		Revision: Rev 3			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Sub-Station 1	S31		Time of Concentration	0.004	100	0	100	0.004
TOTAL		0.0		0.004				0.004

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
Report Details: Type: Network Design Criteria Storm Phase: Phase	Revision: Rev 3		



Flow Options

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

FEH22

Type: FEH

Site Location	GB 519000 133350 TQ 19000 33350
Return Period (years)	2.0
Rainfall Version	2022

Pipe Options

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

Manhole Options

Apply Offset	☐
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Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
Report Details: Type: Outfall Details Storm Phase: Phase	Revision: Rev 3		



Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
S20	Free Discharge			
HW6	Fixed Surcharged Level	☐	52.750	
FEH22 : 2 years: +0 %: 120 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 120 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 120 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 120 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 120 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 120 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 180 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 180 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 180 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 180 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 180 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 180 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 240 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 240 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 240 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 240 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 240 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 240 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 360 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 360 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 360 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 360 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 360 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 360 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 480 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 480 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 480 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 480 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 480 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 480 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 600 mins: Summer			52.750	

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025			
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FEH22 : 2 years: +0 %: 600 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 600 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 600 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 600 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 600 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 720 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 720 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 720 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 720 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 720 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 720 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 960 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 960 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 960 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 960 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 960 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 960 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 1440 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 1440 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 1440 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 1440 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 1440 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 1440 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 2160 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 2160 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 2160 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 2160 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 2160 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 2160 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 2880 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 2880 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 2880 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 2880 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 2880 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 2880 mins: Winter			52.750	

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025			
	Designed by: C. Salt	Checked by:	Approved By:	
Report Details: Type: Outfall Details Storm Phase: Phase	Revision: Rev 3			

FEH22 : 2 years: +0 %: 4320 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 4320 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 4320 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 4320 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 4320 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 4320 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 5760 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 5760 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 5760 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 5760 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 5760 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 5760 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 7200 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 7200 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 7200 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 7200 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 7200 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 7200 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 8640 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 8640 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 8640 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 8640 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 8640 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 8640 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 10080 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 10080 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 10080 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 10080 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 10080 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 10080 mins: Winter			52.750	

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025			
	Designed by: C. Salt		Checked by:	Approved By:
Report Title: Rainfall Analysis Criteria	Revision: Rev 3			

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)	300
Perform No Discharge Analysis	☐

Rainfall		
FEH22	Type: FEH	
Site Location	GB 519000 133350 TQ 19000 33350	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

Return Period (years)	Increase Rainfall (%)
2.0	0.000
30.0	0.000
100.0	20.000

Storm Durations

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

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: S104		Revision: Rev 3			



FEH22: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S30	FEH22: 2 years: +0 %: 120 mins: Summer	56.900	54.430	54.558	0.128	45.2	0.227	0.000	45.1	95.006	OK
S29	FEH22: 2 years: +0 %: 120 mins: Summer	56.525	54.235	54.457	0.222	80.5	0.392	0.000	79.9	169.494	OK
S28	FEH22: 2 years: +0 %: 120 mins: Summer	55.825	54.000	54.121	0.121	136.8	0.214	0.000	136.8	290.794	OK
S27	FEH22: 2 years: +0 %: 120 mins: Summer	55.450	52.435	52.755	0.320	136.8	0.566	0.000	136.3	290.779	OK
S26	FEH22: 2 years: +0 %: 120 mins: Summer	54.975	52.350	52.704	0.354	206.0	0.625	0.000	205.7	438.475	OK
S25	FEH22: 2 years: +0 %: 120 mins: Summer	54.475	52.100	52.509	0.409	217.2	1.042	0.000	217.3	464.468	OK
S24	FEH22: 2 years: +0 %: 120 mins: Summer	54.750	52.025	52.466	0.441	337.3	1.122	0.000	337.4	718.805	OK
S23	FEH22: 2 years: +0 %: 120 mins: Summer	55.010	51.980	52.359	0.379	341.4	0.964	0.000	341.4	727.906	OK
S22	FEH22: 2 years: +0 %: 120 mins: Summer	55.715	51.930	52.211	0.281	342.9	0.715	0.000	342.8	731.164	OK
S21	FEH22: 2 years: +0 %: 120 mins: Summer	54.300	51.645	51.916	0.271	343.1	0.689	0.000	342.8	731.632	OK
S20	FEH22: 2 years: +0 %: 480 mins: Summer	53.500	50.950	51.554	0.604	20.5	0.683	0.000	19.8	955.122	Surcharged
HW6	FEH22: 2 years: +0 %: 480 mins: Summer	52.900	50.900	51.554	0.654	0.5	0.739	0.000	0.0	0.433	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: S104		Revision: Rev 3			



FEH22: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S30	FEH22: 30 years: +0 %: 120 mins: Summer	56.900	54.430	54.621	0.191	91.3	0.338	0.000	91.0	192.034	OK
S29	FEH22: 30 years: +0 %: 120 mins: Summer	56.525	54.235	54.572	0.337	162.5	0.595	0.000	161.7	342.623	OK
S28	FEH22: 30 years: +0 %: 120 mins: Summer	55.825	54.000	54.169	0.169	277.1	0.298	0.000	277.1	587.814	OK
S27	FEH22: 30 years: +0 %: 120 mins: Summer	55.450	52.435	53.112	0.677	277.1	1.197	0.000	276.3	587.804	Surcharged
S26	FEH22: 30 years: +0 %: 120 mins: Summer	54.975	52.350	53.030	0.680	417.7	1.201	0.000	417.1	886.176	Surcharged
S25	FEH22: 30 years: +0 %: 120 mins: Summer	54.475	52.100	52.802	0.702	442.1	1.785	0.000	440.5	938.740	OK
S24	FEH22: 30 years: +0 %: 120 mins: Summer	54.750	52.025	52.734	0.709	684.2	1.804	0.000	684.0	1452.745	OK
S23	FEH22: 30 years: +0 %: 120 mins: Summer	55.010	51.980	52.564	0.584	692.1	1.487	0.000	692.9	1471.160	OK
S22	FEH22: 30 years: +0 %: 120 mins: Summer	55.715	51.930	52.374	0.444	695.8	1.130	0.000	696.2	1477.872	OK
S21	FEH22: 30 years: +0 %: 120 mins: Summer	54.300	51.645	52.063	0.418	696.8	1.064	0.000	697.1	1475.620	OK
S20	FEH22: 30 years: +0 %: 600 mins: Winter	53.500	50.950	52.046	1.096	20.4	1.239	0.000	19.8	1147.345	Surcharged
HW6	FEH22: 30 years: +0 %: 600 mins: Winter	52.900	50.900	52.046	1.146	0.7	1.296	0.000	0.0	0.375	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: S104		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S30	FEH22: 100 years: +20 %: 120 mins: Summer	56.900	54.430	54.729	0.299	137.5	0.529	0.000	136.7	289.274	OK
S29	FEH22: 100 years: +20 %: 120 mins: Summer	56.525	54.235	54.688	0.453	244.4	0.801	0.000	242.5	516.152	OK
S28	FEH22: 100 years: +20 %: 120 mins: Summer	55.825	54.000	54.212	0.212	416.2	0.374	0.000	416.2	885.507	OK
S27	FEH22: 100 years: +20 %: 120 mins: Summer	55.450	52.435	54.058	1.623	416.2	2.868	0.000	416.2	885.518	Surcharged
S26	FEH22: 100 years: +20 %: 120 mins: Summer	54.975	52.350	53.872	1.522	629.7	2.690	0.000	629.8	1334.994	Surcharged
S25	FEH22: 100 years: +20 %: 120 mins: Summer	54.475	52.100	53.393	1.293	667.4	3.292	0.000	667.5	1413.443	Surcharged
S24	FEH22: 100 years: +20 %: 120 mins: Summer	54.750	52.025	53.232	1.207	1034.9	3.071	0.000	1034.9	2185.237	Surcharged
S23	FEH22: 100 years: +20 %: 120 mins: Summer	55.010	51.980	52.942	0.962	1048.0	2.448	0.000	1048.0	2210.080	Surcharged
S22	FEH22: 100 years: +20 %: 120 mins: Summer	55.715	51.930	52.540	0.610	1052.8	1.552	0.000	1052.7	2216.084	OK
S21	FEH22: 100 years: +20 %: 960 mins: Winter	54.300	51.645	52.535	0.890	162.2	2.266	0.000	162.3	3672.505	Surcharged
S20	FEH22: 100 years: +20 %: 960 mins: Winter	53.500	50.950	52.535	1.585	20.2	1.793	0.000	19.8	1997.495	Surcharged
HW6	FEH22: 100 years: +20 %: 960 mins: Winter	52.900	50.900	52.535	1.635	0.6	1.849	0.000	0.0	0.522	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: S104		Revision: Rev 3			



FEH22: 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. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 2 years: +0 %: 480 mins: Summer	51.554	51.554	0.554	0.554	163.0	820.955	0.000	0.000	20.5	956.483	72.678	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: S104		Revision: Rev 3			



FEH22: 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. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 30 years: +0 %: 600 mins: Winter	52.046	52.046	1.046	1.046	159.3	1737.26	0.000	0.000	20.4	1152.084	42.185	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: S104		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 100 years: +20 %: 960 mins: Winter	52.535	52.535	1.535	1.535	169.1	2843.17	0.000	0.000	20.2	2002.605	5.380	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: S104	Revision: Rev 3		





FEH22: 2 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
2.000	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S30	S29	56.900	54.558	0.175	95.006	0.7	0.14	45.1	OK
2.001	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S29	S28	56.525	54.457	0.204	169.494	1.0	0.35	79.9	OK
2.002	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S28	S27	55.825	54.121	0.221	290.794	1.5	0.09	136.8	OK
2.003	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S27	S26	55.450	52.755	0.337	290.779	0.8	0.42	136.3	OK
2.004	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S26	S25	54.975	52.704	0.323	438.475	1.3	0.63	205.7	OK
2.005	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S25	S24	54.475	52.509	0.425	464.468	0.8	0.39	217.3	OK
2.006	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S24	S23	54.750	52.466	0.410	718.805	1.4	0.63	337.4	OK
2.007	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S23	S22	55.010	52.359	0.330	727.906	1.8	0.62	341.4	OK
2.008	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S22	S21	55.715	52.211	0.276	731.164	2.3	0.23	342.8	OK
2.009	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S21	Pond 6a	54.300	51.916	0.253	731.632	2.6	0.21	342.8	OK
2.010	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	Pond 6a	S20	52.900	51.454	0.479	229.988	0.3	0.07	21.6	OK
2.011	FEH22: 2 years: +0 %: 120 mins: Winter	Pipe	S20	HW6	53.500	51.454	0.225	0.850	0.4	0.03	1.1	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: S104		Revision: Rev 3			



FEH22: 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
2.000	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S30	S29	56.900	54.621	0.264	192.034	0.9	0.27	91.0	OK
2.001	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S29	S28	56.525	54.572	0.303	342.623	1.2	0.71	161.7	OK
2.002	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S28	S27	55.825	54.169	0.423	587.814	1.6	0.18	277.1	OK
2.003	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S27	S26	55.450	53.112	0.600	587.804	1.0	0.85	276.3	Surcharged
2.004	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S26	S25	54.975	53.030	0.600	886.176	1.5	1.27	417.1	Surcharged
2.005	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S25	S24	54.475	52.802	0.705	938.740	1.0	0.79	440.5	OK
2.006	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S24	S23	54.750	52.734	0.647	1452.745	1.7	1.27	684.0	OK
2.007	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S23	S22	55.010	52.564	0.514	1471.160	2.1	1.25	692.9	OK
2.008	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S22	S21	55.715	52.374	0.431	1477.872	2.6	0.46	696.2	OK
2.009	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S21	Pond 6a	54.300	52.063	0.388	1475.620	3.1	0.43	697.1	OK
2.010	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	Pond 6a	S20	52.900	51.886	0.600	231.081	0.4	0.08	23.7	Surcharged
2.011	FEH22: 30 years: +0 %: 120 mins: Winter	Pipe	S20	HW6	53.500	51.886	0.225	1.355	0.4	0.06	2.2	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: S104	Revision: Rev 3		





FEH22: 100 years: Increase Rainfall (%): +20: 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
2.000	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S30	S29	56.900	54.729	0.376	289.274	0.9	0.41	136.7	OK
2.001	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S29	S28	56.525	54.688	0.393	516.152	1.4	1.06	242.5	OK
2.002	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S28	S27	55.825	54.212	0.600	885.507	1.6	0.28	416.2	OK
2.003	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S27	S26	55.450	54.058	0.600	885.518	1.5	1.27	416.2	Surcharged
2.004	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S26	S25	54.975	53.872	0.600	1334.994	2.2	1.92	629.8	Surcharged
2.005	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S25	S24	54.475	53.393	0.750	1413.310	1.5	1.2	667.5	Surcharged
2.006	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S24	S23	54.750	53.232	0.750	2184.787	2.3	1.92	1034.9	Surcharged
2.007	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S23	S22	55.010	52.942	0.750	2209.418	2.4	1.9	1048.0	Surcharged
2.008	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S22	S21	55.715	52.540	0.583	2215.493	2.9	0.69	1052.7	OK
2.009	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S21	Pond 6a	54.300	52.250	0.750	2206.934	3.4	0.66	1053.6	OK
2.010	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	Pond 6a	S20	52.900	52.250	0.600	235.374	0.5	0.08	23.7	Surcharged
2.011	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S20	HW6	53.500	52.250	0.225	1.781	0.4	0.07	2.7	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 2		Revision: Rev 3			



FEH22: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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	FEH22: 2 years: +0 %: 120 mins: Summer	55.030	53.825	53.849	0.024	0.9	0.027	0.000	0.9	1.845	OK
S2	FEH22: 2 years: +0 %: 120 mins: Summer	56.050	53.435	53.466	0.031	6.7	0.035	0.000	6.7	13.112	OK
S3	FEH22: 2 years: +0 %: 120 mins: Summer	54.050	52.200	52.240	0.040	6.7	0.045	0.000	6.7	13.090	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 2	Revision: Rev 3		





FEH22: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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	FEH22: 30 years: +0 %: 120 mins: Summer	55.030	53.825	53.859	0.034	1.9	0.038	0.000	1.9	3.728	OK
S2	FEH22: 30 years: +0 %: 120 mins: Summer	56.050	53.435	53.478	0.043	13.6	0.049	0.000	13.6	26.501	OK
S3	FEH22: 30 years: +0 %: 120 mins: Summer	54.050	52.200	52.256	0.056	13.6	0.063	0.000	13.6	26.396	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 2		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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	FEH22: 100 years: +20 %: 120 mins: Summer	55.030	53.825	53.866	0.041	2.9	0.047	0.000	2.9	5.619	OK
S2	FEH22: 100 years: +20 %: 120 mins: Summer	56.050	53.435	53.489	0.054	20.5	0.061	0.000	20.5	39.934	OK
S3	FEH22: 100 years: +20 %: 960 mins: Winter	54.050	52.200	52.535	0.335	2.9	0.379	0.000	2.9	65.926	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: Highway 2		Revision: Rev 3			



FEH22: 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. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 2 years: +0 %: 480 mins: Summer	51.554	51.554	0.554	0.554	163.0	820.955	0.000	0.000	20.5	956.483	72.678	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: Highway 2		Revision: Rev 3			



FEH22: 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. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 30 years: +0 %: 600 mins: Winter	52.046	52.046	1.046	1.046	159.3	1737.26	0.000	0.000	20.4	1152.084	42.185	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: Highway 2		Revision: Rev 3			



**FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By:
Max. Resident Volume**

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. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 100 years: +20 %: 960 mins: Winter	52.535	52.535	1.535	1.535	169.1	2843.17	0.000	0.000	20.2	2002.605	5.380	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 2		Revision: Rev 3			



FEH22: 2 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
4.000	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S1	S2	55.030	53.849	0.027	1.845	0.3	0.02	0.9	OK
4.001	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S2	S3	56.050	53.466	0.035	13.112	1.7	0.04	6.7	OK
4.002	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S3	Pond 6a	54.050	52.240	0.082	13.090	1.4	0.07	6.7	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 2		Revision: Rev 3			



FEH22: 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
4.000	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S1	S2	55.030	53.859	0.039	3.728	0.4	0.05	1.9	OK
4.001	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S2	S3	56.050	53.478	0.049	26.501	2.1	0.08	13.6	OK
4.002	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S3	Pond 6a	54.050	52.256	0.225	26.396	1.7	0.13	13.6	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 2		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: 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
4.000	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S1	S2	55.030	53.866	0.048	5.619	0.5	0.07	2.9	OK
4.001	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S2	S3	56.050	53.489	0.060	39.934	2.4	0.12	20.5	OK
4.002	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S3	Pond 6a	54.050	52.266	0.225	39.787	1.7	0.2	20.5	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 2 (Branch)		Revision: Rev 3			



FEH22: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S2A	FEH22: 2 years: +0 %: 120 mins: Summer	56.600	55.175	55.193	0.018	2.1	0.020	0.000	2.1	4.126	OK
S2	FEH22: 2 years: +0 %: 120 mins: Summer	56.050	53.435	53.466	0.031	6.7	0.035	0.000	6.7	13.112	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 2 (Branch)		Revision: Rev 3			



FEH22: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S2A	FEH22: 30 years: +0 %: 120 mins: Summer	56.600	55.175	55.200	0.025	4.3	0.028	0.000	4.3	8.342	OK
S2	FEH22: 30 years: +0 %: 120 mins: Summer	56.050	53.435	53.478	0.043	13.6	0.049	0.000	13.6	26.501	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 2 (Branch)		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S2A	FEH22: 100 years: +20 %: 120 mins: Summer	56.600	55.175	55.206	0.031	6.5	0.035	0.000	6.5	12.568	OK
S2	FEH22: 100 years: +20 %: 120 mins: Summer	56.050	53.435	53.489	0.054	20.5	0.061	0.000	20.5	39.934	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 2 (Branch)		Revision: Rev 3			



FEH22: 2 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
5.000	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S2A	S2	56.600	55.193	0.024	4.126	0.9	0.01	2.1	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 2 (Branch)	Revision: Rev 3		





FEH22: 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
5.000	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S2A	S2	56.600	55.200	0.034	8.342	1.1	0.03	4.3	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 2 (Branch)		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: 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
5.000	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S2A	S2	56.600	55.206	0.042	12.568	1.3	0.04	6.5	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 1		Revision: Rev 3			



FEH22: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S6	FEH22: 2 years: +0 %: 120 mins: Summer	57.650	56.075	56.100	0.025	2.0	0.028	0.000	2.0	3.842	OK
S7	FEH22: 2 years: +0 %: 120 mins: Summer	57.325	55.725	55.764	0.039	5.1	0.044	0.000	5.1	9.850	OK
S8	FEH22: 2 years: +0 %: 120 mins: Summer	57.215	55.388	55.427	0.039	5.1	0.045	0.000	5.1	9.848	OK
S9	FEH22: 2 years: +0 %: 120 mins: Summer	56.850	55.050	55.081	0.031	9.2	0.035	0.000	9.2	17.791	OK
S10	FEH22: 2 years: +0 %: 120 mins: Summer	54.900	52.665	52.705	0.040	9.2	0.045	0.000	9.1	17.775	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 1		Revision: Rev 3			



FEH22: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S6	FEH22: 30 years: +0 %: 120 mins: Summer	57.650	56.075	56.110	0.035	4.0	0.039	0.000	4.0	7.766	OK
S7	FEH22: 30 years: +0 %: 120 mins: Summer	57.325	55.725	55.781	0.056	10.3	0.063	0.000	10.3	19.909	OK
S8	FEH22: 30 years: +0 %: 120 mins: Summer	57.215	55.388	55.445	0.057	10.3	0.064	0.000	10.3	19.907	OK
S9	FEH22: 30 years: +0 %: 120 mins: Summer	56.850	55.050	55.094	0.044	18.5	0.049	0.000	18.5	35.977	OK
S10	FEH22: 30 years: +0 %: 120 mins: Summer	54.900	52.665	52.721	0.056	18.5	0.063	0.000	18.5	35.889	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 1		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S6	FEH22: 100 years: +20 %: 120 mins: Summer	57.650	56.075	56.117	0.042	6.0	0.048	0.000	6.0	11.705	OK
S7	FEH22: 100 years: +20 %: 120 mins: Summer	57.325	55.725	55.794	0.069	15.4	0.078	0.000	15.4	30.001	OK
S8	FEH22: 100 years: +20 %: 120 mins: Summer	57.215	55.388	55.458	0.070	15.4	0.080	0.000	15.5	29.998	OK
S9	FEH22: 100 years: +20 %: 120 mins: Summer	56.850	55.050	55.104	0.054	27.9	0.061	0.000	27.9	54.208	OK
S10	FEH22: 100 years: +20 %: 120 mins: Summer	54.900	52.665	52.732	0.067	27.9	0.076	0.000	28.0	54.090	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: Highway 1		Revision: Rev 3			



FEH22: 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. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 2 years: +0 %: 480 mins: Summer	51.554	51.554	0.554	0.554	163.0	820.955	0.000	0.000	20.5	956.483	72.678	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: Highway 1		Revision: Rev 3			



FEH22: 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. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 30 years: +0 %: 600 mins: Winter	52.046	52.046	1.046	1.046	159.3	1737.26	0.000	0.000	20.4	1152.084	42.185	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: Highway 1		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 100 years: +20 %: 960 mins: Winter	52.535	52.535	1.535	1.535	169.1	2843.17	0.000	0.000	20.2	2002.605	5.380	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 1		Revision: Rev 3			



FEH22: 2 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
3.000	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S6	S7	57.650	56.100	0.032	3.842	0.6	0.03	2.0	OK
3.001	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S7	S8	57.325	55.764	0.039	9.850	1.1	0.06	5.1	OK
3.002	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S8	S9	57.215	55.427	0.035	9.848	1.3	0.06	5.1	OK
3.003	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S9	S10	56.850	55.081	0.035	17.791	2.3	0.04	9.2	OK
3.004	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S10	Pond 6a	54.900	52.705	0.082	17.775	1.9	0.07	9.1	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 1		Revision: Rev 3			



FEH22: 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
3.000	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S6	S7	57.650	56.110	0.045	7.766	0.7	0.05	4.0	OK
3.001	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S7	S8	57.325	55.781	0.056	19.909	1.3	0.13	10.3	OK
3.002	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S8	S9	57.215	55.445	0.050	19.907	1.6	0.12	10.3	OK
3.003	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S9	S10	56.850	55.094	0.050	35.977	2.8	0.08	18.5	OK
3.004	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S10	Pond 6a	54.900	52.721	0.225	35.889	2.3	0.13	18.5	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 1		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: 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
3.000	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S6	S7	57.650	56.117	0.056	11.705	0.8	0.08	6.0	OK
3.001	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S7	S8	57.325	55.794	0.070	30.001	1.5	0.19	15.4	OK
3.002	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S8	S9	57.215	55.458	0.062	29.998	1.7	0.18	15.5	OK
3.003	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S9	S10	56.850	55.104	0.060	54.208	3.3	0.13	27.9	OK
3.004	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S10	Pond 6a	54.900	52.732	0.225	54.090	2.3	0.2	28.0	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: S104 (Branch)		Revision: Rev 3			



FEH22: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S24.1	FEH22: 2 years: +0 %: 120 mins: Summer	54.850	52.385	52.662	0.277	119.7	0.314	0.000	119.5	252.204	OK
S24	FEH22: 2 years: +0 %: 120 mins: Summer	54.750	52.025	52.466	0.441	337.3	1.122	0.000	337.4	718.805	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: S104 (Branch)		Revision: Rev 3			



FEH22: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S24.1	FEH22: 30 years: +0 %: 120 mins: Summer	54.850	52.385	52.901	0.516	241.9	0.584	0.000	241.7	509.636	Surcharged
S24	FEH22: 30 years: +0 %: 120 mins: Summer	54.750	52.025	52.734	0.709	684.2	1.804	0.000	684.0	1452.745	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: S104 (Branch)		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S24.1	FEH22: 100 years: +20 %: 120 mins: Summer	54.850	52.385	53.571	1.186	364.4	1.341	0.000	364.4	767.756	Surcharged
S24	FEH22: 100 years: +20 %: 120 mins: Summer	54.750	52.025	53.232	1.207	1034.9	3.071	0.000	1034.9	2185.237	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: S104 (Branch)	Revision: Rev 3		





FEH22: 2 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
2.101	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S24.1	S24	54.850	52.662	0.259	252.204	1.3	0.63	119.5	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: S104 (Branch)		Revision: Rev 3			



FEH22: 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
2.101	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S24.1	S24	54.850	52.901	0.450	509.636	1.5	1.27	241.7	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: S104 (Branch)	Revision: Rev 3		





FEH22: 100 years: Increase Rainfall (%): +20: 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
2.101	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S24.1	S24	54.850	53.571	0.450	767.756	2.3	1.91	364.4	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Private		Revision: Rev 3			



FEH22: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S31	FEH22: 2 years: +0 %: 120 mins: Summer	55.275	53.925	53.933	0.008	0.4	0.010	0.000	0.4	0.700	OK
S21	FEH22: 2 years: +0 %: 120 mins: Summer	54.300	51.645	51.916	0.271	343.1	0.689	0.000	342.8	731.632	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Private		Revision: Rev 3			



FEH22: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S31	FEH22: 30 years: +0 %: 120 mins: Summer	55.275	53.925	53.937	0.012	0.7	0.013	0.000	0.7	1.413	OK
S21	FEH22: 30 years: +0 %: 120 mins: Summer	54.300	51.645	52.063	0.418	696.8	1.064	0.000	697.1	1475.620	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Private		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S31	FEH22: 100 years: +20 %: 120 mins: Summer	55.275	53.925	53.939	0.014	1.1	0.016	0.000	1.1	2.131	OK
S21	FEH22: 100 years: +20 %: 960 mins: Winter	54.300	51.645	52.535	0.890	162.2	2.266	0.000	162.3	3672.505	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Private		Revision: Rev 3			



FEH22: 2 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
6.000	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S31	S21	55.275	53.933	0.008	0.700	0.9	0.01	0.4	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Private	Revision: Rev 3		





FEH22: 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
6.000	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S31	S21	55.275	53.937	0.012	1.413	1.1	0.01	0.7	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Private	Revision: Rev 3		





FEH22: 100 years: Increase Rainfall (%): +20: 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
6.000	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S31	S21	55.275	53.939	0.014	2.131	1.3	0.02	1.1	OK

Appendix L

Catchment 7 – Hydraulic Calculations

Project: Horsham - Employment Land Tank 1	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: Glanville Group		



Tank

Type : Tank

Dimensions

Exceedance Level (m)	100.000
Depth (m)	3.000
Base Level (m)	97.000
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	95
Average Slope (1:X)	0.00
Total Volume (m³)	2129.000

Depth (m)	Area (m²)	Volume (m³)
0.000	1120.00	0.000
2.000	1120.00	2128.000

Inlets

Inlet

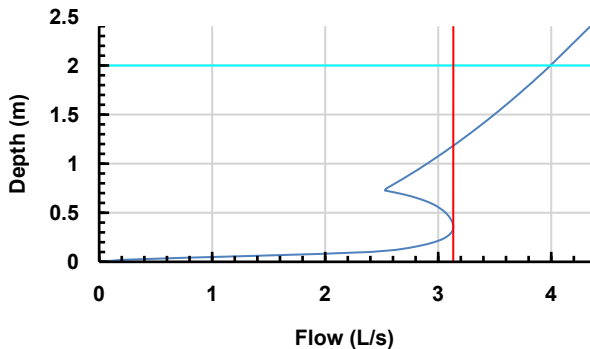
Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	(None)
Outlet Type	Hydro-Brake®
Invert Level (m)	97.000
Design Depth (m)	2.000
Design Flow (L/s)	4.0
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☒

Unit Reference	SHE-0082-4000-2000-4000
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Advanced

Perimeter	Circular
Length (m)	13.000

Project: Horsham - Employment Land Tank 1		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflow Summary Storm Phase: Phase		Company Address: Glanville Group			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	Tank		Time Area Diagram	1.715	100	0	100	1.715
TOTAL		0.0		1.715				1.715

Project: Horsham - Employment Land Tank 1	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Outfall Details Storm Phase: Phase	Company Address: Glanville Group			

Outfalls

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

Project: Horsham - Employment Land Tank 1	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Title: Rainfall Analysis Criteria	Company Address: Glanville Group			

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

Rainfall		
FEH		Type: FEH
Site Location	GB 519000 133350 TQ 19000 33350	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

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

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880
2160	4320

Project: Horsham - Employment Land Tank 1		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 2 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)
Catchment Area	FEH: 2 years: +0 %: 15 mins: Summer	1.72	279.6	152.900

Project: Horsham - Employment Land Tank 1	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 30 years: +40 %: 15 mins: Summer	1.72	863.5	472.291

Project: Horsham - Employment Land Tank 1	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group			



FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 100 years: +40 %: 15 mins: Summer	1.72	1093.3	597.973

Project: Horsham - Employment Land Tank 1		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	FEH: 2 years: +0 %: 2160 mins: Summer	97.515	97.515	0.515	0.515	24.6	547.437	0.000	0.000	3.0	654.515	74.287	OK

Project: Horsham - Employment Land Tank 1		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: 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	FEH: 30 years: +40 %: 2160 mins: Winter	98.489	98.489	1.489	1.489	37.4	1583.972	0.000	0.000	3.3	736.826	25.600	OK

Project: Horsham - Employment Land Tank 1		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



**FEH: 100 years: Increase Rainfall (%): +40: 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	FEH: 100 years: +40 %: 2160 mins: Winter	98.967	98.967	1.967	1.967	48.0	2092.919	0.000	0.000	3.8	831.408	1.695	OK

Project: Horsham - Employment Land Tank 1	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 2 years: Increase Rainfall (%): +0: 180 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			3.0	52.462
TOTAL	133.1	397.760	3.0	52.462

Project: Horsham - Employment Land Tank 1	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 30 years: Increase Rainfall (%): +40: 2160 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			3.3	736.826
TOTAL	37.4	1914.537	3.3	736.826

Project: Horsham - Employment Land Tank 1	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 100 years: Increase Rainfall (%): +40: 2160 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			3.8	831.408
TOTAL	48.0	2458.560	3.8	831.408

Project: Horsham - Employment Land Tank 2	Date: 10/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: Glanville Group			



Tank

Type : Tank

Dimensions

Exceedance Level (m)	100.000
Depth (m)	3.000
Base Level (m)	97.000
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	95
Average Slope (1:X)	0.00
Total Volume (m³)	301.250

Depth (m)	Area (m²)	Volume (m³)
0.000	315.00	0.000
1.000	315.00	299.250

Inlets

Inlet

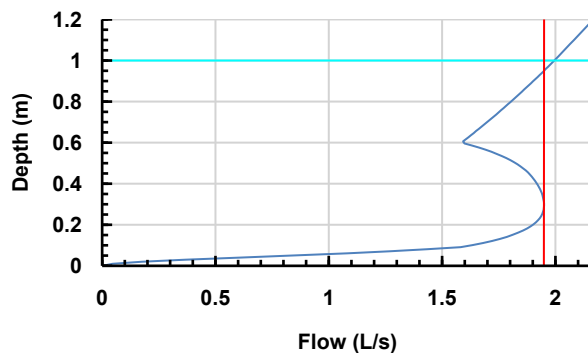
Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	(None)
Outlet Type	Hydro-Brake®
Invert Level (m)	97.000
Design Depth (m)	1.000
Design Flow (L/s)	2.0
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☒

Unit Reference SHE-0067-2000-1000-2000



Advanced

Perimeter	Circular
Length (m)	30.000

Project: Horsham - Employment Land Tank 2		Date: 10/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflow Summary Storm Phase: Phase		Company Address: Glanville Group			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	Tank		Time of Concentration	0.324	100	0	100	0.324
TOTAL		0.0		0.324				0.324

Project: Horsham - Employment Land Tank 2	Date: 10/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Outfall Details Storm Phase: Phase	Company Address: Glanville Group			

Outfalls

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

Project: Horsham - Employment Land Tank 2	Date: 10/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Title: Rainfall Analysis Criteria	Company Address: Glanville Group			

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

Rainfall

FEH	Type: FEH	
Site Location	GB 519000 133350 TQ 19000 33350	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

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

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880
2160	4320

Project: Horsham - Employment Land Tank 2	Date: 10/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group		





FEH: 2 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)
Catchment Area	FEH: 2 years: +0 %: 15 mins: Summer	0.32	64.1	28.889

Project: Horsham - Employment Land Tank 2		Date: 10/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 30 years: +40 %: 15 mins: Summer	0.32	197.9	89.229

Project: Horsham - Employment Land Tank 2		Date: 10/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 100 years: +40 %: 15 mins: Summer	0.32	250.6	112.981

Project: Horsham - Employment Land Tank 2		Date: 10/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	FEH: 2 years: +0 %: 600 mins: Summer	97.239	97.239	0.239	0.239	11.9	71.457	0.000	0.000	1.8	95.747	76.280	OK

Project: Horsham - Employment Land Tank 2		Date: 10/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: 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. Residant Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	FEH: 30 years: +40 %: 720 mins: Winter	97.740	97.740	0.740	0.740	16.4	221.591	0.000	0.000	1.9	128.205	26.443	OK

Project: Horsham - Employment Land Tank 2		Date: 10/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



**FEH: 100 years: Increase Rainfall (%): +40: 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	FEH: 100 years: +40 %: 960 mins: Winter	97.981	97.981	0.981	0.981	16.6	293.589	0.000	0.000	1.9	185.344	2.543	OK

Project: Horsham - Employment Land Tank 2	Date: 10/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 2 years: Increase Rainfall (%): +0: 600 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			1.8	95.747
TOTAL	11.9	108.919	1.8	95.747

Project: Horsham - Employment Land Tank 2	Date: 10/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 30 years: Increase Rainfall (%): +40: 15 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			1.9	2.522
TOTAL	202.3	89.229	1.9	2.522

Project: Horsham - Employment Land Tank 2	Date: 10/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group			



Phase
FEH: 100 years: Increase Rainfall (%): +40: 960 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			1.9	185.344
TOTAL	16.6	378.516	1.9	185.344

Project: Horsham - Employment Land Tank 3	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: Glanville Group		



Tank

Type : Tank

Dimensions

Exceedance Level (m)	100.000
Depth (m)	3.000
Base Level (m)	97.000
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	95
Average Slope (1:X)	0.00
Total Volume (m³)	1141.500

Depth (m)	Area (m²)	Volume (m³)
0.000	800.00	0.000
1.500	800.00	1140.000

Inlets

Inlet

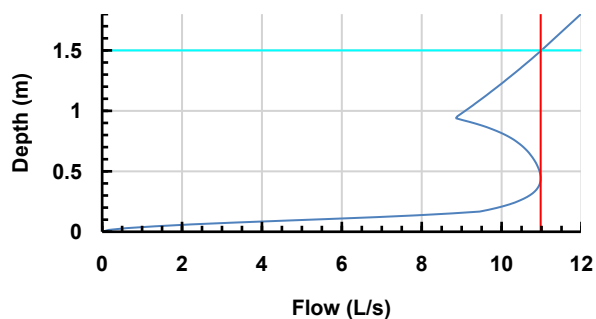
Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	(None)
Outlet Type	Hydro-Brake®
Invert Level (m)	97.000
Design Depth (m)	1.500
Design Flow (L/s)	11.0
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☒

Unit Reference	SHE-0145-1100-1500-1100
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Advanced

Perimeter	Circular
Length (m)	40.000

Project: Horsham - Employment Land Tank 3		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflow Summary Storm Phase: Phase		Company Address: Glanville Group			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	Tank		Time Area Diagram	1.356	100	0	100	1.356
TOTAL		0.0		1.356				1.356

Project: Horsham - Employment Land Tank 3	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Outfall Details Storm Phase: Phase	Company Address: Glanville Group			

Outfalls

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

Project: Horsham - Employment Land Tank 3	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Title: Rainfall Analysis Criteria	Company Address: Glanville Group			

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

Rainfall		
FEH	Type: FEH	
Site Location	GB 519000 133350 TQ 19000 33350	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

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

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880
2160	4320

Project: Horsham - Employment Land Tank 3	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group		





FEH: 2 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)
Catchment Area	FEH: 2 years: +0 %: 15 mins: Summer	1.36	227.0	120.894

Project: Horsham - Employment Land Tank 3		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 30 years: +40 %: 15 mins: Summer	1.36	701.1	373.429

Project: Horsham - Employment Land Tank 3	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group			



FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 100 years: +40 %: 15 mins: Summer	1.36	887.6	472.805

Project: Horsham - Employment Land Tank 3		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	FEH: 2 years: +0 %: 480 mins: Summer	97.361	97.361	0.361	0.361	58.2	274.423	0.000	0.000	10.4	384.183	75.959	OK

Project: Horsham - Employment Land Tank 3		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: 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. Residant Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	FEH: 30 years: +40 %: 600 mins: Winter	98.131	98.131	1.131	1.131	79.0	859.718	0.000	0.000	10.4	596.650	24.685	OK

Project: Horsham - Employment Land Tank 3		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



**FEH: 100 years: Increase Rainfall (%): +40: 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	FEH: 100 years: +40 %: 720 mins: Winter	98.480	98.480	1.480	1.480	86.2	1125.028	0.000	0.000	10.4	759.161	1.443	OK

Project: Horsham - Employment Land Tank 3	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 2 years: Increase Rainfall (%): +0: 480 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			10.4	384.183
TOTAL	58.2	429.239	10.4	384.183

Project: Horsham - Employment Land Tank 3	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 30 years: Increase Rainfall (%): +40: 60 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			10.4	59.646
TOTAL	406.8	633.138	10.4	59.646

Project: Horsham - Employment Land Tank 3	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 100 years: Increase Rainfall (%): +40: 360 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			10.4	379.975
TOTAL	145.0	1243.459	10.4	379.975

Project: Horsham - Employment Land Tank 4	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: Glanville Group		



Tank

Type : Tank

Dimensions

Exceedance Level (m)	100.000
Depth (m)	3.000
Base Level (m)	97.000
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	95
Average Slope (1:X)	0.00
Total Volume (m³)	609.000

Depth (m)	Area (m²)	Volume (m³)
0.000	320.00	0.000
2.000	320.00	608.000

Inlets

Inlet

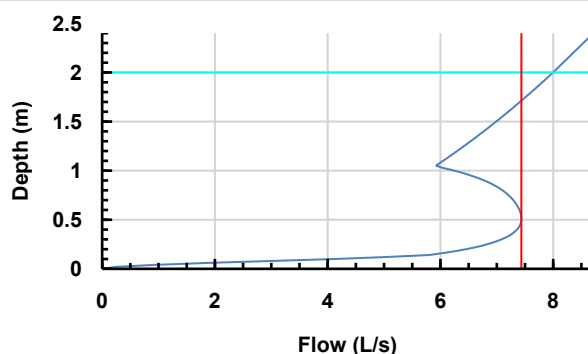
Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	(None)
Outlet Type	Hydro-Brake®
Invert Level (m)	97.000
Design Depth (m)	2.000
Design Flow (L/s)	8.0
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☒

Unit Reference SHE-0117-8000-2000-8000



Advanced

Perimeter	Circular
Length (m)	20.000

Project: Horsham - Employment Land Tank 4		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflow Summary Storm Phase: Phase		Company Address: Glanville Group			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	Tank		Time of Concentration	0.728	100	0	100	0.728
TOTAL		0.0		0.728				0.728

Project: Horsham - Employment Land Tank 4	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Outfall Details Storm Phase: Phase	Company Address: Glanville Group			

Outfalls

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

Project: Horsham - Employment Land Tank 4	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Title: Rainfall Analysis Criteria	Company Address: Glanville Group			

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

Rainfall		
FEH	Type: FEH	
Site Location	GB 519000 133350 TQ 19000 33350	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

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

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880
2160	4320

Project: Horsham - Employment Land Tank 4	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group		





FEH: 2 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)
Catchment Area	FEH: 2 years: +0 %: 15 mins: Summer	0.73	143.9	64.875

Project: Horsham - Employment Land Tank 4	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 30 years: +40 %: 15 mins: Summer	0.73	444.5	200.389

Project: Horsham - Employment Land Tank 4	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group			



FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 100 years: +40 %: 15 mins: Summer	0.73	562.8	253.710

Project: Horsham - Employment Land Tank 4		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	FEH: 2 years: +0 %: 360 mins: Summer	97.426	97.426	0.426	0.426	37.6	129.434	0.000	0.000	7.0	198.883	78.746	OK

Project: Horsham - Employment Land Tank 4		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: 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	FEH: 30 years: +40 %: 360 mins: Winter	98.396	98.396	1.396	1.396	62.7	424.269	0.000	0.000	7.1	243.713	30.333	OK

Project: Horsham - Employment Land Tank 4		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



**FEH: 100 years: Increase Rainfall (%): +40: 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	FEH: 100 years: +40 %: 480 mins: Winter	98.812	98.812	1.812	1.812	62.8	550.788	0.000	0.000	7.3	356.553	9.559	OK

Project: Horsham - Employment Land Tank 4	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 2 years: Increase Rainfall (%): +0: 360 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			7.0	198.883
TOTAL	37.6	212.261	7.0	198.883

Project: Horsham - Employment Land Tank 4	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 30 years: Increase Rainfall (%): +40: 240 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			7.1	161.589
TOTAL	85.0	487.904	7.1	161.589

Project: Horsham - Employment Land Tank 4	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 100 years: Increase Rainfall (%): +40: 480 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			7.3	356.553
TOTAL	62.8	715.056	7.3	356.553

Project: Horsham - Employment Land Tank 5	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: Glanville Group		



Tank

Type : Tank

Dimensions

Exceedance Level (m)	100.000
Depth (m)	3.000
Base Level (m)	97.000
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	95
Average Slope (1:X)	0.00
Total Volume (m³)	346.800

Depth (m)	Area (m²)	Volume (m³)
0.000	182.00	0.000
2.000	182.00	345.800

Inlets

Inlet

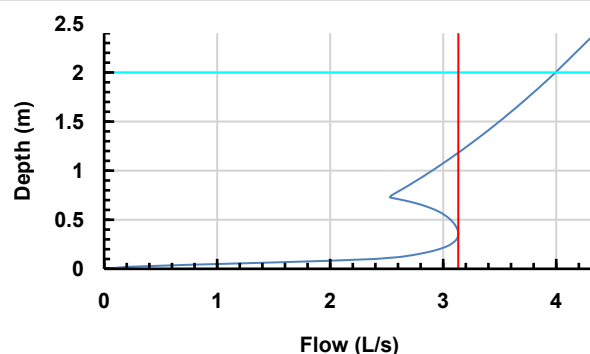
Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	(None)
Outlet Type	Hydro-Brake®
Invert Level (m)	97.000
Design Depth (m)	2.000
Design Flow (L/s)	4.0
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☒

Unit Reference	SHE-0082-4000-2000-4000
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Advanced

Perimeter	Circular
Length (m)	13.000

Project: Horsham - Employment Land Tank 5		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflow Summary Storm Phase: Phase		Company Address: Glanville Group			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	Tank		Time of Concentration	0.416	100	0	100	0.416
TOTAL		0.0		0.416				0.416

Project: Horsham - Employment Land Tank 5	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Outfall Details Storm Phase: Phase	Company Address: Glanville Group			

Outfalls

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

Project: Horsham - Employment Land Tank 5	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Title: Rainfall Analysis Criteria	Company Address: Glanville Group			

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

Rainfall		
FEH	Type: FEH	
Site Location	GB 519000 133350 TQ 19000 33350	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

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

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880
2160	4320

Project: Horsham - Employment Land Tank 5	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group		





FEH: 2 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)
Catchment Area	FEH: 2 years: +0 %: 15 mins: Summer	0.42	82.3	37.099

Project: Horsham - Employment Land Tank 5	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group		





FEH: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 30 years: +40 %: 15 mins: Summer	0.42	254.2	114.598

Project: Horsham - Employment Land Tank 5	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group		





FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 100 years: +40 %: 15 mins: Summer	0.42	321.9	145.096

Project: Horsham - Employment Land Tank 5		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	FEH: 2 years: +0 %: 360 mins: Summer	97.459	97.459	0.459	0.459	21.5	79.320	0.000	0.000	3.0	105.999	77.128	OK

Project: Horsham - Employment Land Tank 5		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: 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	FEH: 30 years: +40 %: 480 mins: Winter	98.476	98.476	1.476	1.476	28.8	255.229	0.000	0.000	3.3	160.783	26.405	OK

Project: Horsham - Employment Land Tank 5		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



**FEH: 100 years: Increase Rainfall (%): +40: 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	FEH: 100 years: +40 %: 720 mins: Winter	98.919	98.919	1.919	1.919	26.5	331.829	0.000	0.000	3.7	265.120	4.317	OK

Project: Horsham - Employment Land Tank 5	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 2 years: Increase Rainfall (%): +0: 120 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			3.0	35.547
TOTAL	39.3	82.802	3.0	35.547

Project: Horsham - Employment Land Tank 5	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 30 years: Increase Rainfall (%): +40: 480 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			3.3	160.783
TOTAL	28.8	328.356	3.3	160.783

Project: Horsham - Employment Land Tank 5	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 100 years: Increase Rainfall (%): +40: 720 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			3.7	265.120
TOTAL	26.5	452.043	3.7	265.120

Project: Horsham - Employment Land Tank 6	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: Glanville Group		



Tank

Type : Tank

Dimensions

Exceedance Level (m)	100.000
Depth (m)	3.000
Base Level (m)	97.000
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	95
Average Slope (1:X)	0.00
Total Volume (m³)	419.000

Depth (m)	Area (m²)	Volume (m³)
0.000	220.00	0.000
2.000	220.00	418.000

Inlets

Inlet

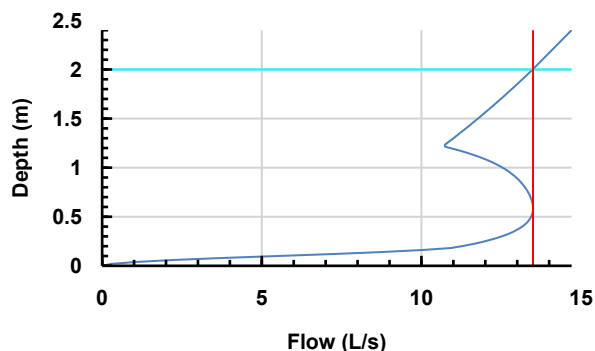
Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	(None)
Outlet Type	Hydro-Brake®
Invert Level (m)	97.000
Design Depth (m)	2.000
Design Flow (L/s)	13.5
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☒

Unit Reference	SHE-0152-1350-2000-1350
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Advanced

Perimeter	Circular
Length (m)	20.000

Project: Horsham - Employment Land Tank 6		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflow Summary Storm Phase: Phase		Company Address: Glanville Group			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	Tank		Time of Concentration	0.638	100	0	100	0.638
TOTAL		0.0		0.638				0.638

Project: Horsham - Employment Land Tank 6	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Outfall Details Storm Phase: Phase	Company Address: Glanville Group			

Outfalls

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

Project: Horsham - Employment Land Tank 6	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Title: Rainfall Analysis Criteria	Company Address: Glanville Group			

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

Rainfall		
FEH		Type: FEH
Site Location	GB 519000 133350 TQ 19000 33350	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

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

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880
2160	4320

Project: Horsham - Employment Land Tank 6		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 2 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)
Catchment Area	FEH: 2 years: +0 %: 15 mins: Summer	0.64	126.2	56.887

Project: Horsham - Employment Land Tank 6		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 30 years: +40 %: 15 mins: Summer	0.64	389.8	175.710

Project: Horsham - Employment Land Tank 6		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 100 years: +40 %: 15 mins: Summer	0.64	493.5	222.469

Project: Horsham - Employment Land Tank 6		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	FEH: 2 years: +0 %: 180 mins: Summer	97.401	97.401	0.401	0.401	49.6	83.858	0.000	0.000	12.5	140.618	79.986	OK

Project: Horsham - Employment Land Tank 6		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: 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	FEH: 30 years: +40 %: 180 mins: Winter	98.435	98.435	1.435	1.435	92.0	299.986	0.000	0.000	12.8	219.029	28.404	OK

Project: Horsham - Employment Land Tank 6		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



**FEH: 100 years: Increase Rainfall (%): +40: 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	FEH: 100 years: +40 %: 240 mins: Winter	98.868	98.868	1.868	1.868	92.8	390.379	0.000	0.000	12.8	304.638	6.831	OK

Project: Horsham - Employment Land Tank 6	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 2 years: Increase Rainfall (%): +0: 180 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			12.5	140.618
TOTAL	49.6	147.968	12.5	140.618

Project: Horsham - Employment Land Tank 6	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 30 years: Increase Rainfall (%): +40: 600 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			12.8	526.911
TOTAL	37.2	529.320	12.8	526.911

Project: Horsham - Employment Land Tank 6	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 100 years: Increase Rainfall (%): +40: 720 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			12.8	690.584
TOTAL	40.6	693.138	12.8	690.584

Project: Horsham - Employment Land Tank 7	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: Glanville Group		



Tank

Type : Tank

Dimensions

Exceedance Level (m)	100.000
Depth (m)	3.000
Base Level (m)	97.000
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	95
Average Slope (1:X)	0.00
Total Volume (m³)	998.500

Depth (m)	Area (m²)	Volume (m³)
0.000	525.00	0.000
2.000	525.00	997.500

Inlets

Inlet

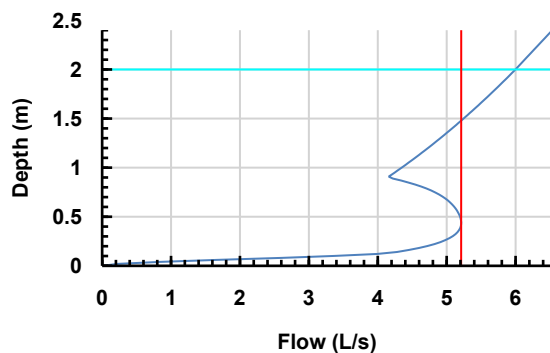
Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	(None)
Outlet Type	Hydro-Brake®
Invert Level (m)	97.000
Design Depth (m)	2.000
Design Flow (L/s)	6.0
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☒

Unit Reference	SHE-0101-6000-2000-6000
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Advanced

Perimeter	Circular
Length (m)	35.000

Project: Horsham - Employment Land Tank 7		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Inflow Summary Storm Phase: Phase		Company Address: Glanville Group			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	Tank		Time Area Diagram	1.049	100	0	100	1.049
TOTAL		0.0		1.049				1.049

Project: Horsham - Employment Land Tank 7	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Outfall Details Storm Phase: Phase	Company Address: Glanville Group			

Outfalls

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

Project: Horsham - Employment Land Tank 7	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Title: Rainfall Analysis Criteria	Company Address: Glanville Group			

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

Rainfall		
FEH	Type: FEH	
Site Location	GB 519000 133350 TQ 19000 33350	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

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

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880
2160	4320

Project: Horsham - Employment Land Tank 7	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group		





FEH: 2 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)
Catchment Area	FEH: 2 years: +0 %: 15 mins: Summer	1.05	178.6	93.528

Project: Horsham - Employment Land Tank 7		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 30 years: +40 %: 15 mins: Summer	1.05	551.8	288.887

Project: Horsham - Employment Land Tank 7	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group			



FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 100 years: +40 %: 15 mins: Summer	1.05	698.6	365.761

Project: Horsham - Employment Land Tank 7		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	FEH: 2 years: +0 %: 600 mins: Summer	97.478	97.478	0.478	0.478	38.4	238.232	0.000	0.000	4.9	290.739	76.141	OK

Project: Horsham - Employment Land Tank 7		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: 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	FEH: 30 years: +40 %: 960 mins: Winter	98.485	98.485	1.485	1.485	42.4	740.494	0.000	0.000	5.0	489.045	25.839	OK

Project: Horsham - Employment Land Tank 7		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



**FEH: 100 years: Increase Rainfall (%): +40: 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	FEH: 100 years: +40 %: 1440 mins: Winter	98.978	98.978	1.978	1.978	39.8	986.416	0.000	0.000	5.7	813.682	1.210	OK

Project: Horsham - Employment Land Tank 7	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group			



Phase
FEH: 2 years: Increase Rainfall (%): +0: 240 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			4.9	117.545
TOTAL	69.6	268.917	4.9	117.545

Project: Horsham - Employment Land Tank 7	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 30 years: Increase Rainfall (%): +40: 960 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			5.0	489.045
TOTAL	42.4	966.315	5.0	489.045

Project: Horsham - Employment Land Tank 7	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 100 years: Increase Rainfall (%): +40: 1440 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			5.7	813.682
TOTAL	39.8	1359.924	5.7	813.682

Project: Horsham - Employment Land Tank 8	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: Glanville Group		



Tank

Type : Tank

Dimensions

Exceedance Level (m)	100.000
Depth (m)	3.000
Base Level (m)	97.000
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	95
Average Slope (1:X)	0.00
Total Volume (m³)	913.000

Depth (m)	Area (m²)	Volume (m³)
0.000	480.00	0.000
2.000	480.00	912.000

Inlets

Inlet

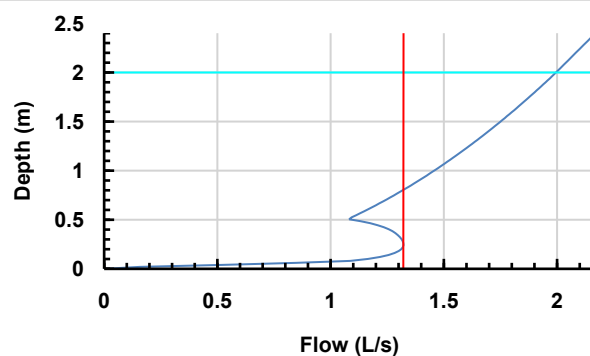
Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	(None)
Outlet Type	Hydro-Brake®
Invert Level (m)	97.000
Design Depth (m)	2.000
Design Flow (L/s)	2.0
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☒

Unit Reference	SHE-0057-2000-2000-2000
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Advanced

Perimeter	Circular
Length (m)	40.000

Project: Horsham - Employment Land Tank 8		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflow Summary Storm Phase: Phase		Company Address: Glanville Group			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	Tank		Time of Concentration	0.74	100	0	100	0.74
TOTAL		0.0		0.74				0.74

Project: Horsham - Employment Land Tank 8	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Outfall Details Storm Phase: Phase	Company Address: Glanville Group			

Outfalls

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

Project: Horsham - Employment Land Tank 8	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Title: Rainfall Analysis Criteria	Company Address: Glanville Group			

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

Rainfall		
FEH		Type: FEH
Site Location	GB 519000 133350 TQ 19000 33350	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

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

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880
2160	4320

Project: Horsham - Employment Land Tank 8	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group		





FEH: 2 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)
Catchment Area	FEH: 2 years: +0 %: 15 mins: Summer	0.74	146.4	65.976

Project: Horsham - Employment Land Tank 8		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 30 years: +40 %: 15 mins: Summer	0.74	452.1	203.804

Project: Horsham - Employment Land Tank 8		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 100 years: +40 %: 15 mins: Summer	0.74	572.4	258.032

Project: Horsham - Employment Land Tank 8		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	FEH: 2 years: +0 %: 2160 mins: Summer	97.521	97.521	0.521	0.521	10.6	237.663	0.000	0.000	1.3	268.234	73.969	OK

Project: Horsham - Employment Land Tank 8		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: 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	FEH: 30 years: +40 %: 2160 mins: Winter	98.464	98.464	1.464	1.464	16.1	667.722	0.000	0.000	1.6	358.580	26.865	OK

Project: Horsham - Employment Land Tank 8		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



**FEH: 100 years: Increase Rainfall (%): +40: 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	FEH: 100 years: +40 %: 2160 mins: Winter	98.941	98.941	1.941	1.941	20.7	885.112	0.000	0.000	1.9	405.452	3.055	OK

Project: Horsham - Employment Land Tank 8	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 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)
Tank			1.3	7.228
TOTAL	87.4	109.176	1.3	7.228

Project: Horsham - Employment Land Tank 8	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 30 years: Increase Rainfall (%): +40: 2160 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			1.6	358.580
TOTAL	16.1	826.104	1.6	358.580

Project: Horsham - Employment Land Tank 8	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 100 years: Increase Rainfall (%): +40: 2160 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			1.9	405.452
TOTAL	20.7	1060.770	1.9	405.452

Project: Horsham - Employment Land	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: Glanville Group		



Tank

Type : Tank

Dimensions

Exceedance Level (m)	100.000
Depth (m)	3.000
Base Level (m)	97.000
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	95
Average Slope (1:X)	0.00
Total Volume (m³)	1232.200

Depth (m)	Area (m²)	Volume (m³)
0.000	648.00	0.000
2.000	648.00	1231.200

Inlets

Inlet

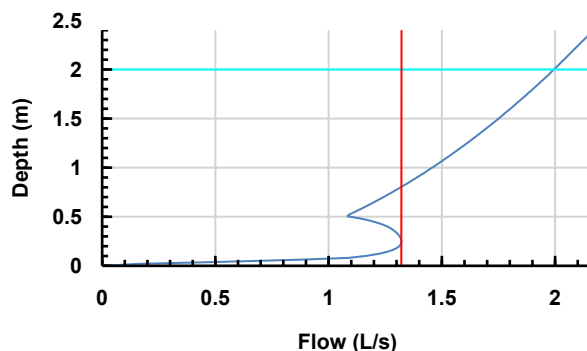
Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	(None)
Outlet Type	Hydro-Brake®
Invert Level (m)	97.000
Design Depth (m)	2.000
Design Flow (L/s)	2.0
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☒

Unit Reference	SHE-0057-2000-2000-2000
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Advanced

Perimeter	Circular
Length (m)	40.000

Project: Horsham - Employment Land		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflow Summary Storm Phase: Phase		Company Address: Glanville Group			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	Tank		Time Area Diagram	0.955	100	0	100	0.955
TOTAL		0.0		0.955				0.955

Project: Horsham - Employment Land	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Outfall Details Storm Phase: Phase	Company Address: Glanville Group			

Outfalls

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

Project: Horsham - Employment Land	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Title: Rainfall Analysis Criteria	Company Address: Glanville Group			

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

Rainfall		
FEH		Type: FEH
Site Location	GB 519000 133350 TQ 19000 33350	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

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

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880
2160	4320

Project: Horsham - Employment Land	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group		





FEH: 2 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)
Catchment Area	FEH: 2 years: +0 %: 15 mins: Summer	0.96	188.9	85.145

Project: Horsham - Employment Land	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group		





FEH: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 30 years: +40 %: 15 mins: Summer	0.96	583.4	263.010

Project: Horsham - Employment Land	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group		





FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 100 years: +40 %: 15 mins: Summer	0.96	738.7	333.004

Project: Horsham - Employment Land		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	FEH: 2 years: +0 %: 2160 mins: Winter	97.548	97.548	0.548	0.548	8.8	337.425	0.000	0.000	1.3	265.666	72.616	OK

Project: Horsham - Employment Land		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: 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	FEH: 30 years: +40 %: 2160 mins: Winter	98.474	98.474	1.474	1.474	20.8	907.207	0.000	0.000	1.7	363.204	26.375	OK

Project: Horsham - Employment Land		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



**FEH: 100 years: Increase Rainfall (%): +40: 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	FEH: 100 years: +40 %: 2160 mins: Winter	98.939	98.939	1.939	1.939	26.7	1193.425	0.000	0.000	1.9	408.646	3.147	OK

Project: Horsham - Employment Land	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 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)
Tank			1.3	7.192
TOTAL	112.7	140.893	1.3	7.192

Project: Horsham - Employment Land	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 30 years: Increase Rainfall (%): +40: 2160 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			1.7	363.204
TOTAL	20.8	1066.158	1.7	363.204

Project: Horsham - Employment Land	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 100 years: Increase Rainfall (%): +40: 2160 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			1.9	408.646
TOTAL	26.7	1369.125	1.9	408.646

Project: Horsham - Employment Land Tank 10	Date: 10/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: Glanville Group		



Tank

Type : Tank

Dimensions

Exceedance Level (m)	100.000
Depth (m)	3.000
Base Level (m)	97.000
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	95
Average Slope (1:X)	0.00
Total Volume (m³)	457.000

Depth (m)	Area (m²)	Volume (m³)
0.000	240.00	0.000
2.000	240.00	456.000

Inlets

Inlet

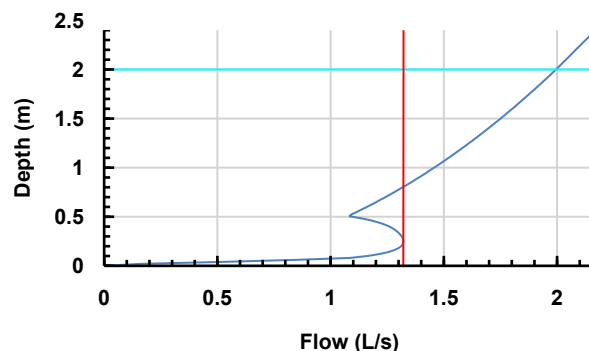
Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	(None)
Outlet Type	Hydro-Brake®
Invert Level (m)	97.000
Design Depth (m)	2.000
Design Flow (L/s)	2.0
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☒

Unit Reference	SHE-0057-2000-2000-2000
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Advanced

Perimeter	Circular
Length (m)	40.000

Project: Horsham - Employment Land Tank 10		Date: 10/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflow Summary Storm Phase: Phase		Company Address: Glanville Group			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	Tank		Time of Concentration	0.433	100	0	100	0.433
TOTAL		0.0		0.433				0.433

Project: Horsham - Employment Land Tank 10	Date: 10/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Outfall Details Storm Phase: Phase	Company Address: Glanville Group			

Outfalls

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

Project: Horsham - Employment Land Tank 10	Date: 10/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Title: Rainfall Analysis Criteria	Company Address: Glanville Group			

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

Rainfall		
FEH	Type: FEH	
Site Location	GB 519000 133350 TQ 19000 33350	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

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

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880
2160	4320

Project: Horsham - Employment Land Tank 10	Date: 10/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group		





FEH: 2 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)
Catchment Area	FEH: 2 years: +0 %: 30 mins: Summer	0.43	57.3	50.556

Project: Horsham - Employment Land Tank 10		Date: 10/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 30 years: +40 %: 30 mins: Summer	0.43	180.1	158.913

Project: Horsham - Employment Land Tank 10		Date: 10/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 100 years: +40 %: 30 mins: Summer	0.43	228.8	201.875

Project: Horsham - Employment Land Tank 10		Date: 10/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	FEH: 2 years: +0 %: 720 mins: Winter	97.502	97.502	0.502	0.502	8.9	114.501	0.000	0.000	1.3	89.840	74.945	OK

Project: Horsham - Employment Land Tank 10		Date: 10/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: 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	FEH: 30 years: +40 %: 1440 mins: Winter	98.461	98.461	1.461	1.461	12.8	333.136	0.000	0.000	1.6	235.298	27.104	OK

Project: Horsham - Employment Land Tank 10		Date: 10/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



**FEH: 100 years: Increase Rainfall (%): +40: 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	FEH: 100 years: +40 %: 2160 mins: Winter	98.954	98.954	1.954	1.954	12.1	445.553	0.000	0.000	1.9	391.882	2.505	OK

Project: Horsham - Employment Land Tank 10	Date: 10/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase

FEH: 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)
Tank			1.3	7.173
TOTAL	50.8	63.878	1.3	7.173

Project: Horsham - Employment Land Tank 10	Date: 10/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 30 years: Increase Rainfall (%): +40: 1440 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			1.6	235.298
TOTAL	12.8	438.456	1.6	235.298

Project: Horsham - Employment Land Tank 10	Date: 10/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 100 years: Increase Rainfall (%): +40: 2160 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			1.9	391.882
TOTAL	12.1	620.751	1.9	391.882

Project: Horsham - Employment Land Tank 11	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: Glanville Group		



Tank

Type : Tank

Dimensions

Exceedance Level (m)	100.000
Depth (m)	3.000
Base Level (m)	97.000
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	95
Average Slope (1:X)	0.00
Total Volume (m³)	941.500

Depth (m)	Area (m²)	Volume (m³)
0.000	495.00	0.000
2.000	495.00	940.500

Inlets

Inlet

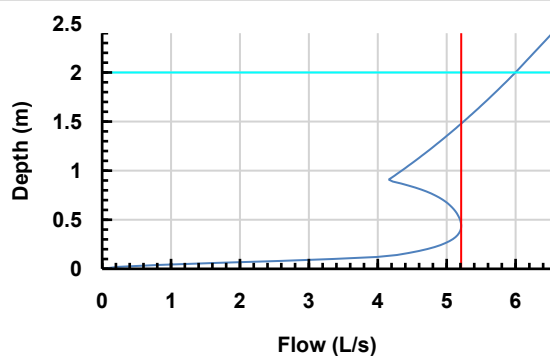
Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	(None)
Outlet Type	Hydro-Brake®
Invert Level (m)	97.000
Design Depth (m)	2.000
Design Flow (L/s)	6.0
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☒

Unit Reference	SHE-0101-6000-2000-6000
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Advanced

Perimeter	Circular
Length (m)	40.000

Project: Horsham - Employment Land Tank 11		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflow Summary Storm Phase: Phase		Company Address: Glanville Group			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	Tank		Time Area Diagram	0.977	100	0	100	0.977
TOTAL		0.0		0.977				0.977

Project: Horsham - Employment Land Tank 11	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Outfall Details Storm Phase: Phase	Company Address: Glanville Group			

Outfalls

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

Project: Horsham - Employment Land Tank 11	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Title: Rainfall Analysis Criteria	Company Address: Glanville Group			

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

Rainfall		
FEH	Type: FEH	
Site Location	GB 519000 133350 TQ 19000 33350	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

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

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880
2160	4320

Project: Horsham - Employment Land Tank 11	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group		





FEH: 2 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)
Catchment Area	FEH: 2 years: +0 %: 15 mins: Summer	0.98	193.2	87.111

Project: Horsham - Employment Land Tank 11		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 30 years: +40 %: 15 mins: Summer	0.98	596.9	269.075

Project: Horsham - Employment Land Tank 11		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 100 years: +40 %: 15 mins: Summer	0.98	755.7	340.674

Project: Horsham - Employment Land Tank 11		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	FEH: 2 years: +0 %: 600 mins: Summer	97.462	97.462	0.462	0.462	35.8	217.058	0.000	0.000	4.9	284.428	76.945	OK

Project: Horsham - Employment Land Tank 11		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: 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	FEH: 30 years: +40 %: 960 mins: Winter	98.439	98.439	1.439	1.439	39.5	676.692	0.000	0.000	4.9	481.251	28.126	OK

Project: Horsham - Employment Land Tank 11		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



**FEH: 100 years: Increase Rainfall (%): +40: 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	FEH: 100 years: +40 %: 1440 mins: Winter	98.910	98.910	1.910	1.910	37.1	898.210	0.000	0.000	5.6	797.571	4.598	OK

Project: Horsham - Employment Land Tank 11	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 2 years: Increase Rainfall (%): +0: 240 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			4.9	117.348
TOTAL	64.9	250.467	4.9	117.348

Project: Horsham - Employment Land Tank 11	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 30 years: Increase Rainfall (%): +40: 180 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			4.9	87.100
TOTAL	204.4	610.219	4.9	87.100

Project: Horsham - Employment Land Tank 11	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 100 years: Increase Rainfall (%): +40: 1440 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			5.6	797.571
TOTAL	37.1	1266.558	5.6	797.571

Project: Horsham - Employment Land Tank 12	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: Glanville Group		



Tank

Type : Tank

Dimensions

Exceedance Level (m)	100.000
Depth (m)	3.000
Base Level (m)	97.000
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	95
Average Slope (1:X)	0.00
Total Volume (m³)	381.000

Depth (m)	Area (m²)	Volume (m³)
0.000	200.00	0.000
2.000	200.00	380.000

Inlets

Inlet

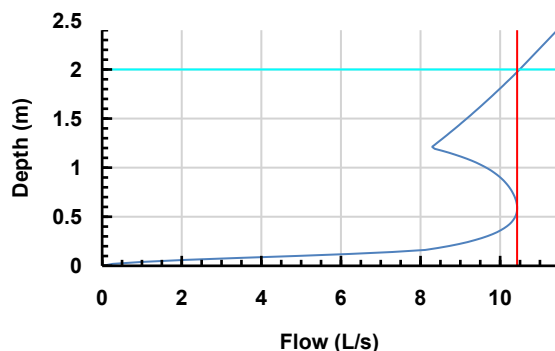
Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	(None)
Outlet Type	Hydro-Brake®
Invert Level (m)	97.000
Design Depth (m)	2.000
Design Flow (L/s)	10.5
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☒

Unit Reference	SHE-0134-1050-2000-1050
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Advanced

Perimeter	Circular
Length (m)	40.000

Project: Horsham - Employment Land Tank 12		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflow Summary Storm Phase: Phase		Company Address: Glanville Group			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	Tank		Time of Concentration	0.361	100	0	100	0.361
TOTAL		0.0		0.361				0.361

Project: Horsham - Employment Land Tank 12	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Outfall Details Storm Phase: Phase	Company Address: Glanville Group			

Outfalls

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

Project: Horsham - Employment Land Tank 12	Date: 21/11/2025			
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Title: Rainfall Analysis Criteria	Company Address: Glanville Group			

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

Rainfall		
FEH		Type: FEH
Site Location	GB 519000 133350 TQ 19000 33350	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

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

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880
2160	4320

Project: Horsham - Employment Land Tank 12	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: Glanville Group		





FEH: 2 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)
Catchment Area	FEH: 2 years: +0 %: 15 mins: Summer	0.36	71.4	32.190

Project: Horsham - Employment Land Tank 12		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 30 years: +40 %: 15 mins: Summer	0.36	220.5	99.420

Project: Horsham - Employment Land Tank 12		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 100 years: +40 %: 15 mins: Summer	0.36	279.2	125.875

Project: Horsham - Employment Land Tank 12		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	FEH: 2 years: +0 %: 180 mins: Summer	97.242	97.242	0.242	0.242	28.0	45.932	0.000	0.000	8.7	78.726	87.944	OK

Project: Horsham - Employment Land Tank 12		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



FEH: 30 years: Increase Rainfall (%): +40: 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	FEH: 30 years: +40 %: 120 mins: Winter	97.803	97.803	0.803	0.803	69.4	152.627	0.000	0.000	9.9	121.353	59.940	OK

Project: Horsham - Employment Land Tank 12		Date: 21/11/2025			
		Designed by: S.Smith	Checked by: C.Salt		Approved By: C.Salt
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Glanville Group			



**FEH: 100 years: Increase Rainfall (%): +40: 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	FEH: 100 years: +40 %: 180 mins: Winter	98.077	98.077	1.077	1.077	64.9	204.618	0.000	0.000	9.9	180.754	46.294	OK

Project: Horsham - Employment Land Tank 12	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 2 years: Increase Rainfall (%): +0: 180 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			8.7	78.726
TOTAL	28.0	83.731	8.7	78.726

Project: Horsham - Employment Land Tank 12	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





Phase
FEH: 30 years: Increase Rainfall (%): +40: 30 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			9.9	28.612
TOTAL	152.9	132.488	9.9	28.612

Project: Horsham - Employment Land Tank 12	Date: 21/11/2025		
	Designed by: S.Smith	Checked by: C.Salt	Approved By: C.Salt
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: Glanville Group		





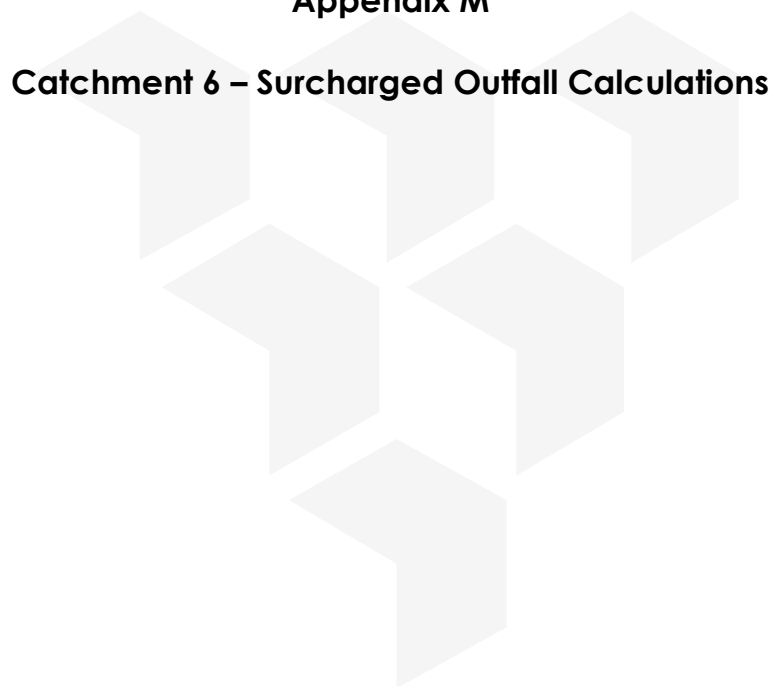
Phase
FEH: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Tank			9.9	13.689
TOTAL	285.4	125.875	9.9	13.689

Appendix M

Catchment 6 – Surcharged Outfall Calculations



Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
Report Details: Type: Network Design Criteria Storm Phase: Phase		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 3			

Flow Options

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

Pipe Options

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

Manhole Options

Apply Offset	☐
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Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall	Date: 27/08/2025			
Report Details: Type: Outfall Details Storm Phase: Phase	Designed by: C. Salt	Checked by:	Approved By:	
Revision: Rev 3				

Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
S20	Free Discharge			
HW6	Fixed Surcharged Level	☒	52.750	
FEH22 : 2 years: +0 %: 120 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 120 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 120 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 120 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 120 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 120 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 180 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 180 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 180 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 180 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 180 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 180 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 240 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 240 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 240 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 240 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 240 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 240 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 360 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 360 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 360 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 360 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 360 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 360 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 480 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 480 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 480 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 480 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 480 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 480 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 600 mins: Summer			52.750	

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
	Report Details: Type: Outfall Details Storm Phase: Phase		



FEH22 : 2 years: +0 %: 600 mins:			52.750	
Winter				
FEH22 : 30 years: +0 %: 600 mins:			52.750	
Summer				
FEH22 : 30 years: +0 %: 600 mins:			52.750	
Winter				
FEH22 : 100 years: +20 %: 600 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 600 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 720 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 720 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 720 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 720 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 720 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 720 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 960 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 960 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 960 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 960 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 960 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 960 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 1440 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 1440 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 1440 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 1440 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 1440 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 1440 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 2160 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 2160 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 2160 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 2160 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 2160 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 2160 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 2880 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 2880 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 2880 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 2880 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 2880 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 2880 mins: Winter			52.750	

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall	Date: 27/08/2025			
Report Details: Type: Outfall Details Storm Phase: Phase	Designed by: C. Salt	Checked by:	Approved By:	
Revision: Rev 3				

FEH22 : 2 years: +0 %: 4320 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 4320 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 4320 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 4320 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 4320 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 4320 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 5760 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 5760 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 5760 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 5760 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 5760 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 5760 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 7200 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 7200 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 7200 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 7200 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 7200 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 7200 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 8640 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 8640 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 8640 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 8640 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 8640 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 8640 mins: Winter			52.750	
FEH22 : 2 years: +0 %: 10080 mins: Summer			52.750	
FEH22 : 2 years: +0 %: 10080 mins: Winter			52.750	
FEH22 : 30 years: +0 %: 10080 mins: Summer			52.750	
FEH22 : 30 years: +0 %: 10080 mins: Winter			52.750	
FEH22 : 100 years: +20 %: 10080 mins: Summer			52.750	
FEH22 : 100 years: +20 %: 10080 mins: Winter			52.750	

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall	Date: 27/08/2025			
Report Title: Rainfall Analysis Criteria	Designed by: C. Salt		Checked by:	Approved By:
	Revision: Rev 3			

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)	300
Perform No Discharge Analysis	☐

Rainfall		
FEH22	Type: FEH	
Site Location	GB 519000 133350 TQ 19000 33350	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period	
Return Period (years)	Increase Rainfall (%)
2.0	0.000
30.0	0.000
100.0	20.000

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

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: S104		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 3			



FEH22: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S30	FEH22: 2 years: +0 %: 120 mins: Summer	56.900	54.430	54.558	0.128	45.2	0.227	0.000	45.1	95.006	OK
S29	FEH22: 2 years: +0 %: 120 mins: Summer	56.525	54.235	54.457	0.222	80.5	0.392	0.000	79.9	169.494	OK
S28	FEH22: 2 years: +0 %: 120 mins: Summer	55.825	54.000	54.121	0.121	136.8	0.214	0.000	136.8	290.794	OK
S27	FEH22: 2 years: +0 %: 120 mins: Summer	55.450	52.435	52.755	0.320	136.8	0.566	0.000	136.3	290.779	OK
S26	FEH22: 2 years: +0 %: 120 mins: Summer	54.975	52.350	52.704	0.354	206.0	0.625	0.000	205.7	438.475	OK
S25	FEH22: 2 years: +0 %: 120 mins: Summer	54.475	52.100	52.509	0.409	217.2	1.042	0.000	217.3	464.468	OK
S24	FEH22: 2 years: +0 %: 120 mins: Summer	54.750	52.025	52.466	0.441	337.3	1.122	0.000	337.4	718.805	OK
S23	FEH22: 2 years: +0 %: 120 mins: Summer	55.010	51.980	52.359	0.379	341.4	0.964	0.000	341.4	727.906	OK
S22	FEH22: 2 years: +0 %: 120 mins: Summer	55.715	51.930	52.211	0.281	342.9	0.715	0.000	342.8	731.164	OK
S21	FEH22: 2 years: +0 %: 120 mins: Summer	54.300	51.645	51.916	0.271	343.1	0.689	0.000	342.8	731.632	OK
S20	FEH22: 2 years: +0 %: 480 mins: Summer	53.500	50.950	51.554	0.604	20.5	0.683	0.000	19.8	955.122	Surcharged
HW6	FEH22: 2 years: +0 %: 480 mins: Summer	52.900	50.900	51.554	0.654	0.5	0.739	0.000	0.0	0.433	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: S104		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 3			



FEH22: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S30	FEH22: 30 years: +0 %: 120 mins: Summer	56.900	54.430	54.621	0.191	91.3	0.338	0.000	91.0	192.034	OK
S29	FEH22: 30 years: +0 %: 120 mins: Summer	56.525	54.235	54.572	0.337	162.5	0.595	0.000	161.7	342.623	OK
S28	FEH22: 30 years: +0 %: 120 mins: Summer	55.825	54.000	54.169	0.169	277.1	0.298	0.000	277.1	587.814	OK
S27	FEH22: 30 years: +0 %: 120 mins: Summer	55.450	52.435	53.112	0.677	277.1	1.197	0.000	276.3	587.804	Surcharged
S26	FEH22: 30 years: +0 %: 120 mins: Summer	54.975	52.350	53.030	0.680	417.7	1.201	0.000	417.1	886.176	Surcharged
S25	FEH22: 30 years: +0 %: 120 mins: Summer	54.475	52.100	52.802	0.702	442.1	1.785	0.000	440.5	938.740	OK
S24	FEH22: 30 years: +0 %: 120 mins: Summer	54.750	52.025	52.734	0.709	684.2	1.804	0.000	684.0	1452.745	OK
S23	FEH22: 30 years: +0 %: 120 mins: Summer	55.010	51.980	52.564	0.584	692.1	1.487	0.000	692.9	1471.160	OK
S22	FEH22: 30 years: +0 %: 120 mins: Summer	55.715	51.930	52.374	0.444	695.8	1.130	0.000	696.2	1477.872	OK
S21	FEH22: 30 years: +0 %: 120 mins: Summer	54.300	51.645	52.063	0.418	696.8	1.064	0.000	697.1	1475.620	OK
S20	FEH22: 30 years: +0 %: 600 mins: Winter	53.500	50.950	52.046	1.096	20.4	1.239	0.000	19.8	1147.345	Surcharged
HW6	FEH22: 30 years: +0 %: 600 mins: Winter	52.900	50.900	52.046	1.146	0.7	1.296	0.000	0.0	0.375	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: S104		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S30	FEH22: 100 years: +20 %: 120 mins: Summer	56.900	54.430	54.729	0.299	137.5	0.529	0.000	136.7	289.274	OK
S29	FEH22: 100 years: +20 %: 120 mins: Summer	56.525	54.235	54.688	0.453	244.4	0.801	0.000	242.5	516.152	OK
S28	FEH22: 100 years: +20 %: 120 mins: Summer	55.825	54.000	54.212	0.212	416.2	0.374	0.000	416.2	885.507	OK
S27	FEH22: 100 years: +20 %: 120 mins: Summer	55.450	52.435	54.058	1.623	416.2	2.868	0.000	416.2	885.518	Surcharged
S26	FEH22: 100 years: +20 %: 120 mins: Summer	54.975	52.350	53.872	1.522	629.7	2.690	0.000	629.8	1334.994	Surcharged
S25	FEH22: 100 years: +20 %: 120 mins: Summer	54.475	52.100	53.393	1.293	667.4	3.292	0.000	667.5	1413.443	Surcharged
S24	FEH22: 100 years: +20 %: 120 mins: Summer	54.750	52.025	53.232	1.207	1034.9	3.071	0.000	1034.9	2185.237	Surcharged
S23	FEH22: 100 years: +20 %: 120 mins: Summer	55.010	51.980	52.942	0.962	1048.0	2.448	0.000	1048.0	2210.080	Surcharged
S22	FEH22: 100 years: +20 %: 120 mins: Summer	55.715	51.930	52.540	0.610	1052.8	1.552	0.000	1052.7	2216.084	OK
S21	FEH22: 100 years: +20 %: 960 mins: Winter	54.300	51.645	52.535	0.890	162.2	2.266	0.000	162.3	3672.505	Surcharged
S20	FEH22: 100 years: +20 %: 960 mins: Winter	53.500	50.950	52.535	1.585	20.2	1.793	0.000	19.8	1997.495	Surcharged
HW6	FEH22: 100 years: +20 %: 960 mins: Winter	52.900	50.900	52.535	1.635	0.6	1.849	0.000	0.0	0.522	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: S104		Revision: Rev 3			



FEH22: 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. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 2 years: +0 %: 480 mins: Summer	51.554	51.554	0.554	0.554	163.0	820.955	0.000	0.000	20.5	956.483	72.678	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: S104		Revision: Rev 3			



FEH22: 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. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 30 years: +0 %: 600 mins: Winter	52.046	52.046	1.046	1.046	159.3	1737.26	0.000	0.000	20.4	1152.084	42.185	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: S104		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 100 years: +20 %: 960 mins: Winter	52.535	52.535	1.535	1.535	169.1	2843.17	0.000	0.000	20.2	2002.605	5.380	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall				Date: 27/08/2025				
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: S104				Designed by: C. Salt	Checked by:	Approved By:		
				Revision: Rev 3				



FEH22: 2 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
2.000	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S30	S29	56.900	54.558	0.175	95.006	0.7	0.14	45.1	OK
2.001	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S29	S28	56.525	54.457	0.204	169.494	1.0	0.35	79.9	OK
2.002	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S28	S27	55.825	54.121	0.221	290.794	1.5	0.09	136.8	OK
2.003	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S27	S26	55.450	52.755	0.337	290.779	0.8	0.42	136.3	OK
2.004	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S26	S25	54.975	52.704	0.323	438.475	1.3	0.63	205.7	OK
2.005	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S25	S24	54.475	52.509	0.425	464.468	0.8	0.39	217.3	OK
2.006	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S24	S23	54.750	52.466	0.410	718.805	1.4	0.63	337.4	OK
2.007	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S23	S22	55.010	52.359	0.330	727.906	1.8	0.62	341.4	OK
2.008	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S22	S21	55.715	52.211	0.276	731.164	2.3	0.23	342.8	OK
2.009	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S21	Pond 6a	54.300	51.916	0.253	731.632	2.6	0.21	342.8	OK
2.010	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	Pond 6a	S20	52.900	51.454	0.479	229.988	0.3	0.07	21.6	OK
2.011	FEH22: 2 years: +0 %: 120 mins: Winter	Pipe	S20	HW6	53.500	51.454	0.225	0.850	0.4	0.03	1.1	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: S104		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 3			



FEH22: 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
2.000	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S30	S29	56.900	54.621	0.264	192.034	0.9	0.27	91.0	OK
2.001	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S29	S28	56.525	54.572	0.303	342.623	1.2	0.71	161.7	OK
2.002	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S28	S27	55.825	54.169	0.423	587.814	1.6	0.18	277.1	OK
2.003	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S27	S26	55.450	53.112	0.600	587.804	1.0	0.85	276.3	Surcharged
2.004	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S26	S25	54.975	53.030	0.600	886.176	1.5	1.27	417.1	Surcharged
2.005	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S25	S24	54.475	52.802	0.705	938.740	1.0	0.79	440.5	OK
2.006	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S24	S23	54.750	52.734	0.647	1452.745	1.7	1.27	684.0	OK
2.007	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S23	S22	55.010	52.564	0.514	1471.160	2.1	1.25	692.9	OK
2.008	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S22	S21	55.715	52.374	0.431	1477.872	2.6	0.46	696.2	OK
2.009	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S21	Pond 6a	54.300	52.063	0.388	1475.620	3.1	0.43	697.1	OK
2.010	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	Pond 6a	S20	52.900	51.886	0.600	231.081	0.4	0.08	23.7	Surcharged
2.011	FEH22: 30 years: +0 %: 120 mins: Winter	Pipe	S20	HW6	53.500	51.886	0.225	1.355	0.4	0.06	2.2	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: S104		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: 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
2.000	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S30	S29	56.900	54.729	0.376	289.274	0.9	0.41	136.7	OK
2.001	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S29	S28	56.525	54.688	0.393	516.152	1.4	1.06	242.5	OK
2.002	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S28	S27	55.825	54.212	0.600	885.507	1.6	0.28	416.2	OK
2.003	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S27	S26	55.450	54.058	0.600	885.518	1.5	1.27	416.2	Surcharged
2.004	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S26	S25	54.975	53.872	0.600	1334.994	2.2	1.92	629.8	Surcharged
2.005	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S25	S24	54.475	53.393	0.750	1413.310	1.5	1.2	667.5	Surcharged
2.006	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S24	S23	54.750	53.232	0.750	2184.787	2.3	1.92	1034.9	Surcharged
2.007	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S23	S22	55.010	52.942	0.750	2209.418	2.4	1.9	1048.0	Surcharged
2.008	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S22	S21	55.715	52.540	0.583	2215.493	2.9	0.69	1052.7	OK
2.009	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S21	Pond 6a	54.300	52.250	0.750	2206.934	3.4	0.66	1053.6	OK
2.010	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	Pond 6a	S20	52.900	52.250	0.600	235.374	0.5	0.08	23.7	Surcharged
2.011	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S20	HW6	53.500	52.250	0.225	1.781	0.4	0.07	2.7	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 2		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 3			



FEH22: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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	FEH22: 2 years: +0 %: 120 mins: Summer	55.030	53.825	53.849	0.024	0.9	0.027	0.000	0.9	1.845	OK
S2	FEH22: 2 years: +0 %: 120 mins: Summer	56.050	53.435	53.466	0.031	6.7	0.035	0.000	6.7	13.112	OK
S3	FEH22: 2 years: +0 %: 120 mins: Summer	54.050	52.200	52.240	0.040	6.7	0.045	0.000	6.7	13.090	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 2		Revision: Rev 3			



FEH22: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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	FEH22: 30 years: +0 %: 120 mins: Summer	55.030	53.825	53.859	0.034	1.9	0.038	0.000	1.9	3.728	OK
S2	FEH22: 30 years: +0 %: 120 mins: Summer	56.050	53.435	53.478	0.043	13.6	0.049	0.000	13.6	26.501	OK
S3	FEH22: 30 years: +0 %: 120 mins: Summer	54.050	52.200	52.256	0.056	13.6	0.063	0.000	13.6	26.396	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 2		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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	FEH22: 100 years: +20 %: 120 mins: Summer	55.030	53.825	53.866	0.041	2.9	0.047	0.000	2.9	5.619	OK
S2	FEH22: 100 years: +20 %: 120 mins: Summer	56.050	53.435	53.489	0.054	20.5	0.061	0.000	20.5	39.934	OK
S3	FEH22: 100 years: +20 %: 960 mins: Winter	54.050	52.200	52.535	0.335	2.9	0.379	0.000	2.9	65.926	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: Highway 2		Revision: Rev 3			



FEH22: 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. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 2 years: +0 %: 480 mins: Summer	51.554	51.554	0.554	0.554	163.0	820.955	0.000	0.000	20.5	956.483	72.678	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: Highway 2		Revision: Rev 3			



FEH22: 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. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 30 years: +0 %: 600 mins: Winter	52.046	52.046	1.046	1.046	159.3	1737.26	0.000	0.000	20.4	1152.084	42.185	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: Highway 2		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 100 years: +20 %: 960 mins: Winter	52.535	52.535	1.535	1.535	169.1	2843.17	0.000	0.000	20.2	2002.605	5.380	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 2		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 3			



FEH22: 2 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
4.000	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S1	S2	55.030	53.849	0.027	1.845	0.3	0.02	0.9	OK
4.001	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S2	S3	56.050	53.466	0.035	13.112	1.7	0.04	6.7	OK
4.002	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S3	Pond 6a	54.050	52.240	0.082	13.090	1.4	0.07	6.7	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 2		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 3			



FEH22: 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
4.000	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S1	S2	55.030	53.859	0.039	3.728	0.4	0.05	1.9	OK
4.001	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S2	S3	56.050	53.478	0.049	26.501	2.1	0.08	13.6	OK
4.002	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S3	Pond 6a	54.050	52.256	0.225	26.396	1.7	0.13	13.6	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 2		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: 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
4.000	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S1	S2	55.030	53.866	0.048	5.619	0.5	0.07	2.9	OK
4.001	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S2	S3	56.050	53.489	0.060	39.934	2.4	0.12	20.5	OK
4.002	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S3	Pond 6a	54.050	52.266	0.225	39.787	1.7	0.2	20.5	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 2 (Branch)		Revision: Rev 3			



FEH22: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S2A	FEH22: 2 years: +0 %: 120 mins: Summer	56.600	55.175	55.193	0.018	2.1	0.020	0.000	2.1	4.126	OK
S2	FEH22: 2 years: +0 %: 120 mins: Summer	56.050	53.435	53.466	0.031	6.7	0.035	0.000	6.7	13.112	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 2 (Branch)		Revision: Rev 3			



FEH22: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S2A	FEH22: 30 years: +0 %: 120 mins: Summer	56.600	55.175	55.200	0.025	4.3	0.028	0.000	4.3	8.342	OK
S2	FEH22: 30 years: +0 %: 120 mins: Summer	56.050	53.435	53.478	0.043	13.6	0.049	0.000	13.6	26.501	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 2 (Branch)		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S2A	FEH22: 100 years: +20 %: 120 mins: Summer	56.600	55.175	55.206	0.031	6.5	0.035	0.000	6.5	12.568	OK
S2	FEH22: 100 years: +20 %: 120 mins: Summer	56.050	53.435	53.489	0.054	20.5	0.061	0.000	20.5	39.934	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 2 (Branch)		Revision: Rev 3			



FEH22: 2 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
5.000	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S2A	S2	56.600	55.193	0.024	4.126	0.9	0.01	2.1	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 2 (Branch)		Revision: Rev 3			



FEH22: 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
5.000	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S2A	S2	56.600	55.200	0.034	8.342	1.1	0.03	4.3	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 2 (Branch)		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: 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
5.000	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S2A	S2	56.600	55.206	0.042	12.568	1.3	0.04	6.5	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 1		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 3			



FEH22: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S6	FEH22: 2 years: +0 %: 120 mins: Summer	57.650	56.075	56.100	0.025	2.0	0.028	0.000	2.0	3.842	OK
S7	FEH22: 2 years: +0 %: 120 mins: Summer	57.325	55.725	55.764	0.039	5.1	0.044	0.000	5.1	9.850	OK
S8	FEH22: 2 years: +0 %: 120 mins: Summer	57.215	55.388	55.427	0.039	5.1	0.045	0.000	5.1	9.848	OK
S9	FEH22: 2 years: +0 %: 120 mins: Summer	56.850	55.050	55.081	0.031	9.2	0.035	0.000	9.2	17.791	OK
S10	FEH22: 2 years: +0 %: 120 mins: Summer	54.900	52.665	52.705	0.040	9.2	0.045	0.000	9.1	17.775	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 1		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 3			



FEH22: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S6	FEH22: 30 years: +0 %: 120 mins: Summer	57.650	56.075	56.110	0.035	4.0	0.039	0.000	4.0	7.766	OK
S7	FEH22: 30 years: +0 %: 120 mins: Summer	57.325	55.725	55.781	0.056	10.3	0.063	0.000	10.3	19.909	OK
S8	FEH22: 30 years: +0 %: 120 mins: Summer	57.215	55.388	55.445	0.057	10.3	0.064	0.000	10.3	19.907	OK
S9	FEH22: 30 years: +0 %: 120 mins: Summer	56.850	55.050	55.094	0.044	18.5	0.049	0.000	18.5	35.977	OK
S10	FEH22: 30 years: +0 %: 120 mins: Summer	54.900	52.665	52.721	0.056	18.5	0.063	0.000	18.5	35.889	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Highway 1		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S6	FEH22: 100 years: +20 %: 120 mins: Summer	57.650	56.075	56.117	0.042	6.0	0.048	0.000	6.0	11.705	OK
S7	FEH22: 100 years: +20 %: 120 mins: Summer	57.325	55.725	55.794	0.069	15.4	0.078	0.000	15.4	30.001	OK
S8	FEH22: 100 years: +20 %: 120 mins: Summer	57.215	55.388	55.458	0.070	15.4	0.080	0.000	15.5	29.998	OK
S9	FEH22: 100 years: +20 %: 120 mins: Summer	56.850	55.050	55.104	0.054	27.9	0.061	0.000	27.9	54.208	OK
S10	FEH22: 100 years: +20 %: 120 mins: Summer	54.900	52.665	52.732	0.067	27.9	0.076	0.000	28.0	54.090	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: Highway 1		Revision: Rev 3			



FEH22: 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. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 2 years: +0 %: 480 mins: Summer	51.554	51.554	0.554	0.554	163.0	820.955	0.000	0.000	20.5	956.483	72.678	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: Highway 1		Revision: Rev 3			



FEH22: 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. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 30 years: +0 %: 600 mins: Winter	52.046	52.046	1.046	1.046	159.3	1737.26	0.000	0.000	20.4	1152.084	42.185	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: Highway 1		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 6a	FEH22: 100 years: +20 %: 960 mins: Winter	52.535	52.535	1.535	1.535	169.1	2843.17	0.000	0.000	20.2	2002.605	5.380	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 1		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 3			



FEH22: 2 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
3.000	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S6	S7	57.650	56.100	0.032	3.842	0.6	0.03	2.0	OK
3.001	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S7	S8	57.325	55.764	0.039	9.850	1.1	0.06	5.1	OK
3.002	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S8	S9	57.215	55.427	0.035	9.848	1.3	0.06	5.1	OK
3.003	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S9	S10	56.850	55.081	0.035	17.791	2.3	0.04	9.2	OK
3.004	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S10	Pond 6a	54.900	52.705	0.082	17.775	1.9	0.07	9.1	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 1		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 3			



FEH22: 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
3.000	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S6	S7	57.650	56.110	0.045	7.766	0.7	0.05	4.0	OK
3.001	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S7	S8	57.325	55.781	0.056	19.909	1.3	0.13	10.3	OK
3.002	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S8	S9	57.215	55.445	0.050	19.907	1.6	0.12	10.3	OK
3.003	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S9	S10	56.850	55.094	0.050	35.977	2.8	0.08	18.5	OK
3.004	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S10	Pond 6a	54.900	52.721	0.225	35.889	2.3	0.13	18.5	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Highway 1		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: 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
3.000	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S6	S7	57.650	56.117	0.056	11.705	0.8	0.08	6.0	OK
3.001	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S7	S8	57.325	55.794	0.070	30.001	1.5	0.19	15.4	OK
3.002	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S8	S9	57.215	55.458	0.062	29.998	1.7	0.18	15.5	OK
3.003	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S9	S10	56.850	55.104	0.060	54.208	3.3	0.13	27.9	OK
3.004	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S10	Pond 6a	54.900	52.732	0.225	54.090	2.3	0.2	28.0	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: S104 (Branch)		Revision: Rev 3			



FEH22: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S24.1	FEH22: 2 years: +0 %: 120 mins: Summer	54.850	52.385	52.662	0.277	119.7	0.314	0.000	119.5	252.204	OK
S24	FEH22: 2 years: +0 %: 120 mins: Summer	54.750	52.025	52.466	0.441	337.3	1.122	0.000	337.4	718.805	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: S104 (Branch)		Revision: Rev 3			



FEH22: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S24.1	FEH22: 30 years: +0 %: 120 mins: Summer	54.850	52.385	52.901	0.516	241.9	0.584	0.000	241.7	509.636	Surcharged
S24	FEH22: 30 years: +0 %: 120 mins: Summer	54.750	52.025	52.734	0.709	684.2	1.804	0.000	684.0	1452.745	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: S104 (Branch)		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S24.1	FEH22: 100 years: +20 %: 120 mins: Summer	54.850	52.385	53.571	1.186	364.4	1.341	0.000	364.4	767.756	Surcharged
S24	FEH22: 100 years: +20 %: 120 mins: Summer	54.750	52.025	53.232	1.207	1034.9	3.071	0.000	1034.9	2185.237	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: S104 (Branch)		Revision: Rev 3			



FEH22: 2 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
2.101	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S24.1	S24	54.850	52.662	0.259	252.204	1.3	0.63	119.5	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: S104 (Branch)		Revision: Rev 3			



FEH22: 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
2.101	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S24.1	S24	54.850	52.901	0.450	509.636	1.5	1.27	241.7	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: S104 (Branch)		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: 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
2.101	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S24.1	S24	54.850	53.571	0.450	767.756	2.3	1.91	364.4	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Private		Revision: Rev 3			



FEH22: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S31	FEH22: 2 years: +0 %: 120 mins: Summer	55.275	53.925	53.933	0.008	0.4	0.010	0.000	0.4	0.700	OK
S21	FEH22: 2 years: +0 %: 120 mins: Summer	54.300	51.645	51.916	0.271	343.1	0.689	0.000	342.8	731.632	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Private		Revision: Rev 3			



FEH22: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S31	FEH22: 30 years: +0 %: 120 mins: Summer	55.275	53.925	53.937	0.012	0.7	0.013	0.000	0.7	1.413	OK
S21	FEH22: 30 years: +0 %: 120 mins: Summer	54.300	51.645	52.063	0.418	696.8	1.064	0.000	697.1	1475.620	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Private		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Resident Volume

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
S31	FEH22: 100 years: +20 %: 120 mins: Summer	55.275	53.925	53.939	0.014	1.1	0.016	0.000	1.1	2.131	OK
S21	FEH22: 100 years: +20 %: 960 mins: Winter	54.300	51.645	52.535	0.890	162.2	2.266	0.000	162.3	3672.505	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall	Date: 27/08/2025		
	Designed by: C. Salt	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Private	Revision: Rev 3		





FEH22: 2 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
6.000	FEH22: 2 years: +0 %: 120 mins: Summer	Pipe	S31	S21	55.275	53.933	0.008	0.700	0.9	0.01	0.4	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Private		Revision: Rev 3			



FEH22: 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
6.000	FEH22: 30 years: +0 %: 120 mins: Summer	Pipe	S31	S21	55.275	53.937	0.012	1.413	1.1	0.01	0.7	OK

Project: Mowbray (Land North of Horsham) Catchment 6 - Hydraulic Model Surcharged Outfall		Date: 27/08/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase Flow Path: Private		Revision: Rev 3			



FEH22: 100 years: Increase Rainfall (%): +20: 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
6.000	FEH22: 100 years: +20 %: 120 mins: Summer	Pipe	S31	S21	55.275	53.939	0.014	2.131	1.3	0.02	1.1	OK

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
Report Details: Type: Outfall Details Storm Phase: Phase		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 1			

Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
Outfall	Fixed Surcharged Level	☐	54.025	
FEH - Surcharge : 100 years: +45			54.025	
%: 60 mins: Summer				
FEH - Surcharge : 100 years: +45			54.025	
%: 60 mins: Winter				
FEH - Surcharge : 100 years: +45			54.025	
%: 120 mins: Summer				
FEH - Surcharge : 100 years: +45			54.025	
%: 120 mins: Winter				
FEH - Surcharge : 100 years: +45			54.025	
%: 180 mins: Summer				
FEH - Surcharge : 100 years: +45			54.025	
%: 180 mins: Winter				
FEH - Surcharge : 100 years: +45			54.025	
%: 240 mins: Summer				
FEH - Surcharge : 100 years: +45			54.025	
%: 240 mins: Winter				
FEH - Surcharge : 100 years: +45			54.025	
%: 360 mins: Summer				
FEH - Surcharge : 100 years: +45			54.025	
%: 360 mins: Winter				
FEH - Surcharge : 100 years: +45			54.025	
%: 480 mins: Summer				
FEH - Surcharge : 100 years: +45			54.025	
%: 480 mins: Winter				
FEH - Surcharge : 100 years: +45			54.025	
%: 600 mins: Summer				
FEH - Surcharge : 100 years: +45			54.025	
%: 600 mins: Winter				
FEH - Surcharge : 100 years: +45			54.025	
%: 720 mins: Summer				
FEH - Surcharge : 100 years: +45			54.025	
%: 720 mins: Winter				
FEH - Surcharge : 100 years: +45			54.025	
%: 960 mins: Summer				
FEH - Surcharge : 100 years: +45			54.025	
%: 960 mins: Winter				
FEH - Surcharge : 100 years: +45			54.025	
%: 1440 mins: Summer				
FEH - Surcharge : 100 years: +45			54.025	
%: 1440 mins: Winter				
FEH - Surcharge : 100 years: +45			54.025	
%: 2160 mins: Summer				
FEH - Surcharge : 100 years: +45			54.025	
%: 2160 mins: Winter				
FEH - Surcharge : 100 years: +45			54.025	
%: 2880 mins: Summer				
FEH - Surcharge : 100 years: +45			54.025	
%: 2880 mins: Winter				
FEH - Surcharge : 100 years: +45			54.025	
%: 4320 mins: Summer				
FEH - Surcharge : 100 years: +45			54.025	
%: 4320 mins: Winter				
FEH - Surcharge : 100 years: +45			54.025	
%: 5760 mins: Summer				
FEH - Surcharge : 100 years: +45			54.025	
%: 5760 mins: Winter				
FEH - Surcharge : 100 years: +45			54.025	
%: 7200 mins: Summer				
FEH - Surcharge : 100 years: +45			54.025	
%: 7200 mins: Winter				
FEH - Surcharge : 100 years: +45			54.025	
%: 8640 mins: Summer				
FEH - Surcharge : 100 years: +45			54.025	
%: 8640 mins: Winter				

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Outfall Details Storm Phase: Phase		Revision: Rev 1			

FEH - Surcharge : 100 years: +45 %: 10080 mins: Summer			54.025	
FEH - Surcharge : 100 years: +45 %: 10080 mins: Winter			54.025	

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall	Date: 01/09/2025					
Report Title: Rainfall Analysis Criteria	Designed by: C. Salt <table border="1" style="display: inline-table; vertical-align: top;"> <tr> <td>Checked by:</td> <td>Approved By:</td> </tr> <tr> <td> </td> <td> </td> </tr> </table>		Checked by:	Approved By:		
Checked by:	Approved By:					
	Revision: Rev 1					

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Shortest
Urban Creep	Use Catchment Values
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall	
FEH - Surcharge	Type: FEH
Site Location	GB 519000 133350 TQ 19000 33350
Rainfall Version	2022
Summer	☒
Winter	☒

Return Period	
Return Period (years)	Increase Rainfall (%)
100.0	45.000
Storm Durations	

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

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Spur M		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 1			



FEH - Surge: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

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
S717A	FEH - Surge: 100 years: +45 %: 720 mins: Winter	61.100	58.100	62.492	4.392	108.7	1395.576	1392.183	11.4	959.654	Flood
S717	FEH - Surge: 100 years: +45 %: 60 mins: Summer	60.785	57.785	60.037	2.252	86.9	3.979	0.000	82.5	221.484	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Spur L		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 1			



**FEH - Surge: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max.
Flooded Volume**

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
S716A	FEH - Surge: 100 years: +45 %: 960 mins: Winter	60.700	57.700	61.034	3.334	20.9	337.068	333.675	2.6	289.156	Flood
S716	FEH - Surge: 100 years: +45 %: 60 mins: Summer	60.915	57.430	59.884	2.454	98.3	2.775	0.000	100.4	262.449	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Spur K		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 1			



FEH - Surge: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

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
S714A	FEH - Surge: 100 years: +45 %: 720 mins: Winter	60.700	57.700	61.151	3.451	35.3	454.669	451.276	3.7	308.576	Flood
S714	FEH - Surge: 100 years: +45 %: 60 mins: Summer	60.335	57.230	59.390	2.160	130.9	3.090	0.000	136.4	339.601	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Spur I		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 1			



FEH - Surge: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

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
S712B	FEH - Surge: 100 years: +45 %: 960 mins: Winter	61.270	58.270	63.605	5.335	146.2	2338.224	2334.831	18.5	2074.221	Flood
S712A	FEH - Surge: 100 years: +45 %: 60 mins: Summer	59.850	58.070	58.537	0.467	22.1	0.528	0.000	26.9	128.479	Surcharged
S712	FEH - Surge: 100 years: +45 %: 60 mins: Summer	59.975	55.120	58.505	3.385	239.6	5.981	0.000	243.6	692.887	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Spur H		Revision: Rev 1			



FEH - Surge: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

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
S713A	FEH - Surge: 100 years: +45 %: 720 mins: Winter	59.700	55.420	61.127	5.707	113.0	1431.813	1426.972	12.0	1021.101	Flood
S713	FEH - Surge: 100 years: +45 %: 60 mins: Summer	59.940	55.190	58.782	3.592	208.9	5.139	0.000	202.1	534.768	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Spur G		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 1			



FEH - Surge: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

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
S711A	FEH - Surge: 100 years: +45 %: 720 mins: Winter	59.400	55.300	59.827	4.527	34.4	431.451	426.814	3.8	322.871	Flood
S711	FEH - Surge: 100 years: +45 %: 60 mins: Summer	59.000	54.945	57.661	2.716	279.8	4.800	0.000	277.8	774.360	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Spur F		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 1			



FEH - Surge: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

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
S710A	FEH - Surge: 100 years: +45 %: 600 mins: Winter	58.700	55.185	58.896	3.711	19.2	199.497	195.521	2.2	151.954	Flood
S710	FEH - Surge: 100 years: +45 %: 60 mins: Summer	58.365	54.750	56.789	2.039	311.5	3.602	0.000	308.3	831.157	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Spur E		Revision: Rev 1			



FEH - Surge: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

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
S709A	FEH - Surge: 100 years: +45 %: 960 mins: Winter	57.800	55.050	58.060	3.010	16.2	263.471	260.361	2.0	221.811	Flood
S709	FEH - Surge: 100 years: +45 %: 60 mins: Summer	57.700	54.640	56.274	1.634	355.9	2.887	0.000	353.7	900.750	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Spur D		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 1			



FEH - Surge: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

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
S708B	FEH - Surge: 100 years: +45 %: 960 mins: Winter	58.350	55.370	60.513	5.143	134.8	2166.371	2163.001	16.9	1889.622	Flood
S708A	FEH - Surge: 100 years: +45 %: 60 mins: Summer	57.800	55.290	55.868	0.578	19.1	0.653	0.000	21.5	116.773	Surcharged
S708	FEH - Surge: 100 years: +45 %: 60 mins: Summer	57.575	54.500	55.831	1.331	392.7	2.351	0.000	391.1	1045.256	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Spur C		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 1			



FEH - Surge: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

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
S705A	FEH - Surge: 100 years: +45 %: 1440 mins: Winter	56.500	54.820	57.177	2.357	28.8	679.390	677.490	4.0	628.629	Flood
S705	FEH - Surge: 100 years: +45 %: 60 mins: Summer	57.000	54.285	55.067	0.782	462.2	1.382	0.000	460.6	1150.100	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Spur B		Revision: Rev 1			



FEH - Surcharge: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

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
S703A	FEH - Surcharge: 100 years: +45 %: 600 mins: Winter	56.200	54.730	56.336	1.606	13.2	137.608	135.945	1.5	103.890	Flood
S703	FEH - Surcharge: 100 years: +45 %: 60 mins: Summer	56.000	54.110	54.433	0.323	460.1	0.571	0.000	459.2	1154.705	OK

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Spur A		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 1			



FEH - Surcharge: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

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
S702B	FEH - Surcharge: 100 years: +45 %: 960 mins: Winter	56.750	54.370	57.295	2.925	32.8	547.717	545.025	3.7	405.781	Flood
S702A	FEH - Surcharge: 100 years: +45 %: 60 mins: Summer	56.300	54.245	54.272	0.027	3.8	0.030	0.000	3.8	26.078	OK

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: Spur A		Revision: Rev 1			



FEH - Surcharge: 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. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 7a	FEH - Surcharge: 100 years: +45 %: 4320 mins: Winter	55.372	55.372	1.822	1.822	103.9	5946.232	0.000	0.000	74.2	24023.461	-11.478	Flood Risk

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Spur J		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 1			



**FEH - Surge: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max.
Flooded Volume**

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
S713B	FEH - Surge: 100 years: +45 %: 480 mins: Winter	60.200	55.605	60.370	4.765	20.6	175.631	170.434	2.2	121.565	Flood
S713	FEH - Surge: 100 years: +45 %: 60 mins: Summer	59.940	55.190	58.782	3.592	208.9	5.139	0.000	202.1	534.768	Surcharged

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Spur N		Designed by: C. Salt	Checked by:		Approved By:
		Revision: Rev 1			



FEH - Surge: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

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
S719A	FEH - Surge: 100 years: +45 %: 960 mins: Winter	61.000	58.300	61.386	3.086	24.1	388.771	385.717	3.0	334.470	Flood
S719	FEH - Surge: 100 years: +45 %: 60 mins: Summer	60.540	58.040	60.151	2.111	44.2	2.387	0.000	34.5	76.893	Surcharged

Project:	Date:			
Mowbray (Land North of Horsham)	01/09/2025			
Catchment 7 - Hydraulic Model	Designed by:	Checked by:	Approved By:	
Surcharged Outfall	C. Salt			
Report Details:	Revision:			
Type: Junctions Summary	Rev 1			
Storm Phase: Phase				
Flow Path: Flow Path				



**FEH - Surcharge: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max.
Flooded Volume**

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall				Date: 01/09/2025				
Report Details: Type: Junctions Summary Storm Phase: Phase Flow Path: Flow Path				Designed by: C. Salt	Checked by:	Approved By:		
				Revision: Rev 1				

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
S720	FEH - Surge: 100 years: +45 %: 60 mins: Summer	60.85 0	59.32 0	60.325	1.005	44.7	1.137	0.000	44.2	55.752	Surcharged
S719	FEH - Surge: 100 years: +45 %: 60 mins: Summer	60.54 0	58.04 0	60.151	2.111	44.2	2.387	0.000	34.5	76.893	Surcharged
S718	FEH - Surge: 100 years: +45 %: 60 mins: Summer	60.40 5	57.92 5	60.117	2.192	56.2	2.479	0.000	51.3	104.639	Flood Risk
S717	FEH - Surge: 100 years: +45 %: 60 mins: Summer	60.78 5	57.78 5	60.037	2.252	86.9	3.979	0.000	82.5	221.484	Surcharged
S716	FEH - Surge: 100 years: +45 %: 60 mins: Summer	60.91 5	57.43 0	59.884	2.454	98.3	2.775	0.000	100.4	262.449	Surcharged
S715	FEH - Surge: 100 years: +45 %: 60 mins: Summer	60.65 5	57.31 5	59.648	2.333	113.5	2.639	0.000	115.0	288.722	Surcharged
S714	FEH - Surge: 100 years: +45 %: 60 mins: Summer	60.33 5	57.23 0	59.390	2.160	130.9	3.090	0.000	136.4	339.601	Surcharged
S713	FEH - Surge: 100 years: +45 %: 60 mins: Summer	59.94 0	55.19 0	58.782	3.592	208.9	5.139	0.000	202.1	534.768	Surcharged
S712	FEH - Surge: 100 years: +45 %: 60 mins: Summer	59.97 5	55.12 0	58.505	3.385	239.6	5.981	0.000	243.6	692.887	Surcharged
S711	FEH - Surge: 100 years: +45 %: 60 mins: Summer	59.00 0	54.94 5	57.661	2.716	279.8	4.800	0.000	277.8	774.360	Surcharged
S710	FEH - Surge: 100 years: +45 %: 60 mins: Summer	58.36 5	54.75 0	56.789	2.039	311.5	3.602	0.000	308.3	831.157	Surcharged
S709	FEH - Surge: 100 years: +45 %: 60 mins: Summer	57.70 0	54.64 0	56.274	1.634	355.9	2.887	0.000	353.7	900.750	Surcharged
S708	FEH - Surge: 100 years: +45 %: 60 mins: Summer	57.57 5	54.50 0	55.831	1.331	392.7	2.351	0.000	391.1	1045.256	Surcharged
S707	FEH - Surge: 100 years: +45 %: 60 mins: Summer	57.66 0	54.48 0	55.689	1.209	427.6	2.136	0.000	426.3	1088.788	Surcharged
S706	FEH - Surge: 100 years: +45 %: 60 mins: Summer	57.64 5	54.40 5	55.341	0.936	448.1	1.653	0.000	447.0	1113.881	Surcharged
S705	FEH - Surge: 100 years: +45 %: 60 mins: Summer	57.00 0	54.28 5	55.067	0.782	462.2	1.382	0.000	460.6	1150.100	Surcharged
S704	FEH - Surge: 100 years: +45 %: 60 mins: Summer	56.00 0	54.13 5	54.605	0.470	460.6	0.831	0.000	458.7	1145.380	OK
S703	FEH - Surge: 100 years: +45 %: 60 mins: Summer	56.00 0	54.11 0	54.433	0.323	460.1	0.571	0.000	459.2	1154.705	OK
S702	FEH - Surge: 100 years: +45 %: 60 mins: Summer	55.80 0	53.52 5	54.258	0.733	37.2	1.295	0.000	29.8	149.885	Surcharged
S701	FEH - Surge: 100 years: +45 %: 60 mins: Summer	54.70 0	53.37 5	54.037	0.662	37.2	0.749	0.000	29.8	153.081	Surcharged
Outfall	FEH - Surge: 100 years: +45 %: 60 mins: Summer	54.20 0	53.34 0	54.025	0.685	37.2	0.000	0.000	37.2	156.358	Flood Risk

Project: Mowbray (Land North of Horsham) Catchment 7 - Hydraulic Model Surcharged Outfall		Date: 01/09/2025			
		Designed by: C. Salt	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase Flow Path: Flow Path		Revision: Rev 1			



FEH - Surcharge: 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. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 7a	FEH - Surcharge: 100 years: +45 %: 4320 mins: Winter	55.372	55.372	1.822	1.822	103.9	5946.232	0.000	0.000	74.2	24023.461	-11.478	Flood Risk