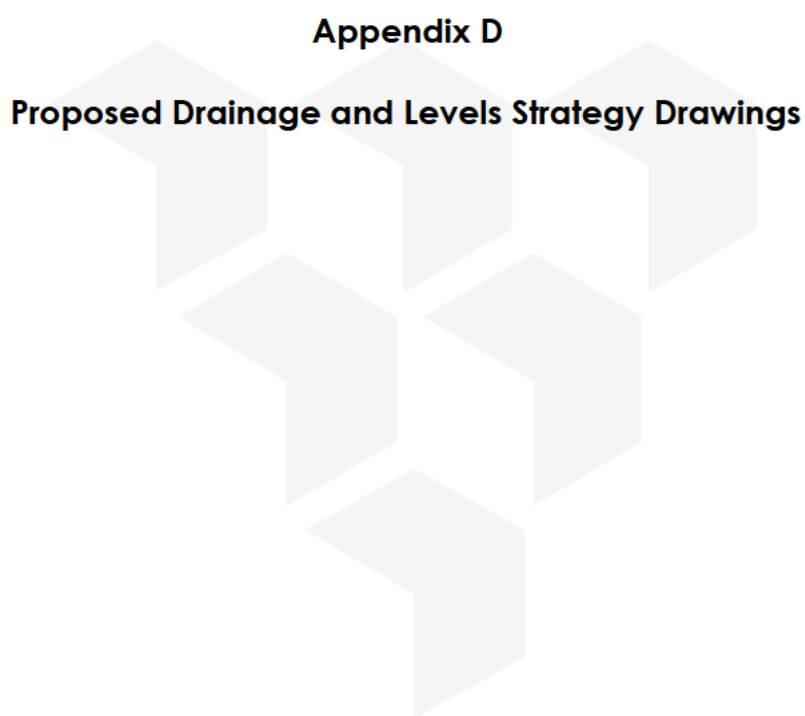
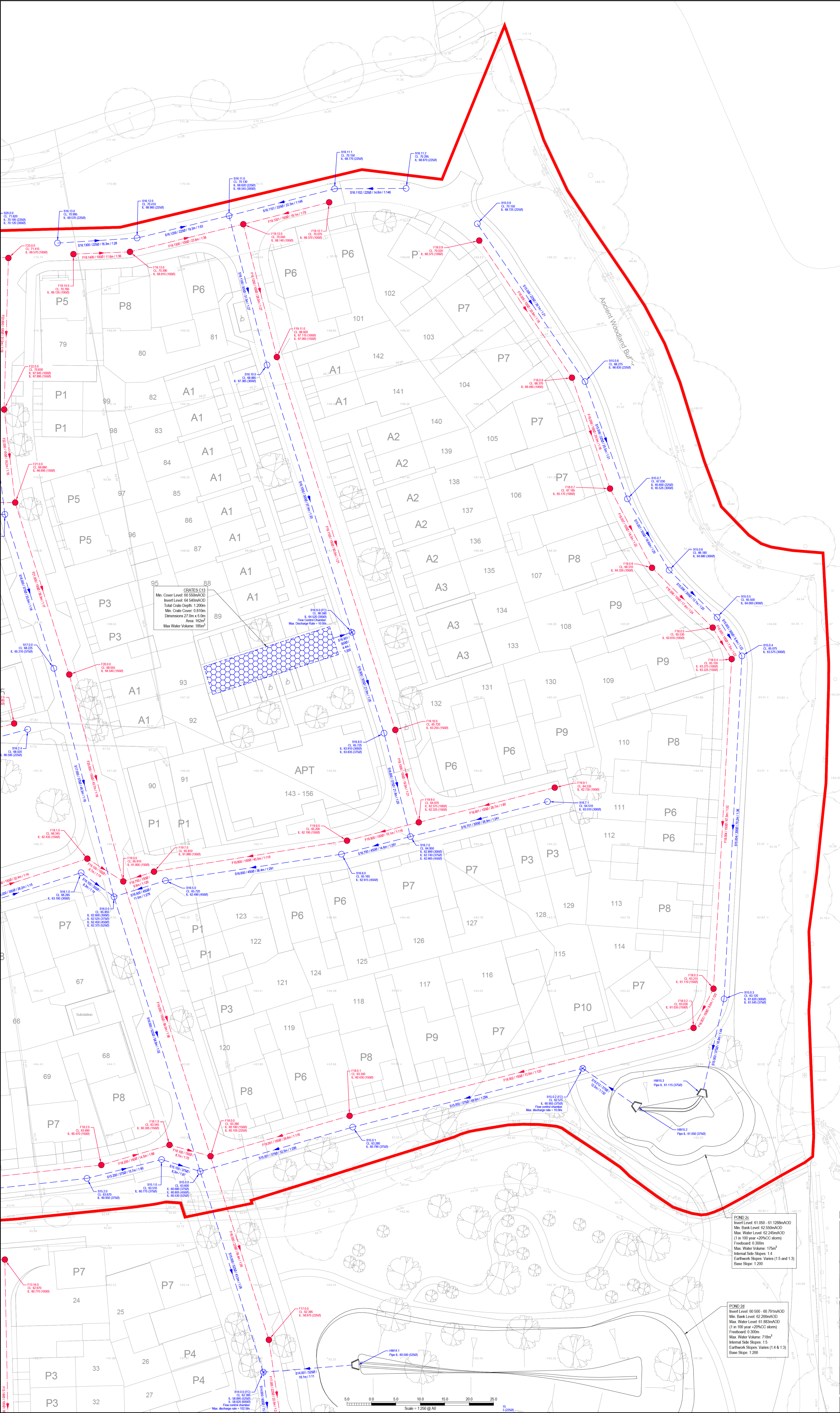




Appendix D

Proposed Drainage and Levels Strategy Drawings



- NOTES**
- This drawing is to be read in conjunction with all relevant documents and specifications.
 - Dimensions scaleable for planning purposes only.
 - This drawing has been prepared for information purposes only and must not be used for tender or construction purposes.
 - Original topographical survey from MK Surveys (ref. 31246 R1, dated May 2022)
 - Architect's layout from Broadway Malayan (ref. 34854-BM-13-ZZ-DR-A-01100, dated June 2026)
 - Cover levels are for reference only, refer to the detailed levels drawing for levels information.

- KEY**
- Site boundary
 - Proposed foul water sewer
 - Proposed surface water sewer
 - Existing foul / surface water sewer approved and / or constructed as part of the Bailey Road and Bailey Road Extension works
 - Proposed foul / surface water manhole
 - Proposed geo-cellular attenuation crates
 - Proposed flow control chamber with restricted discharge rate
 - Proposed headwall fully dressed in Horsham stone
 - Manhole ref. / cover level / invert level
 - Pipe ref. / diameter / length / gradient

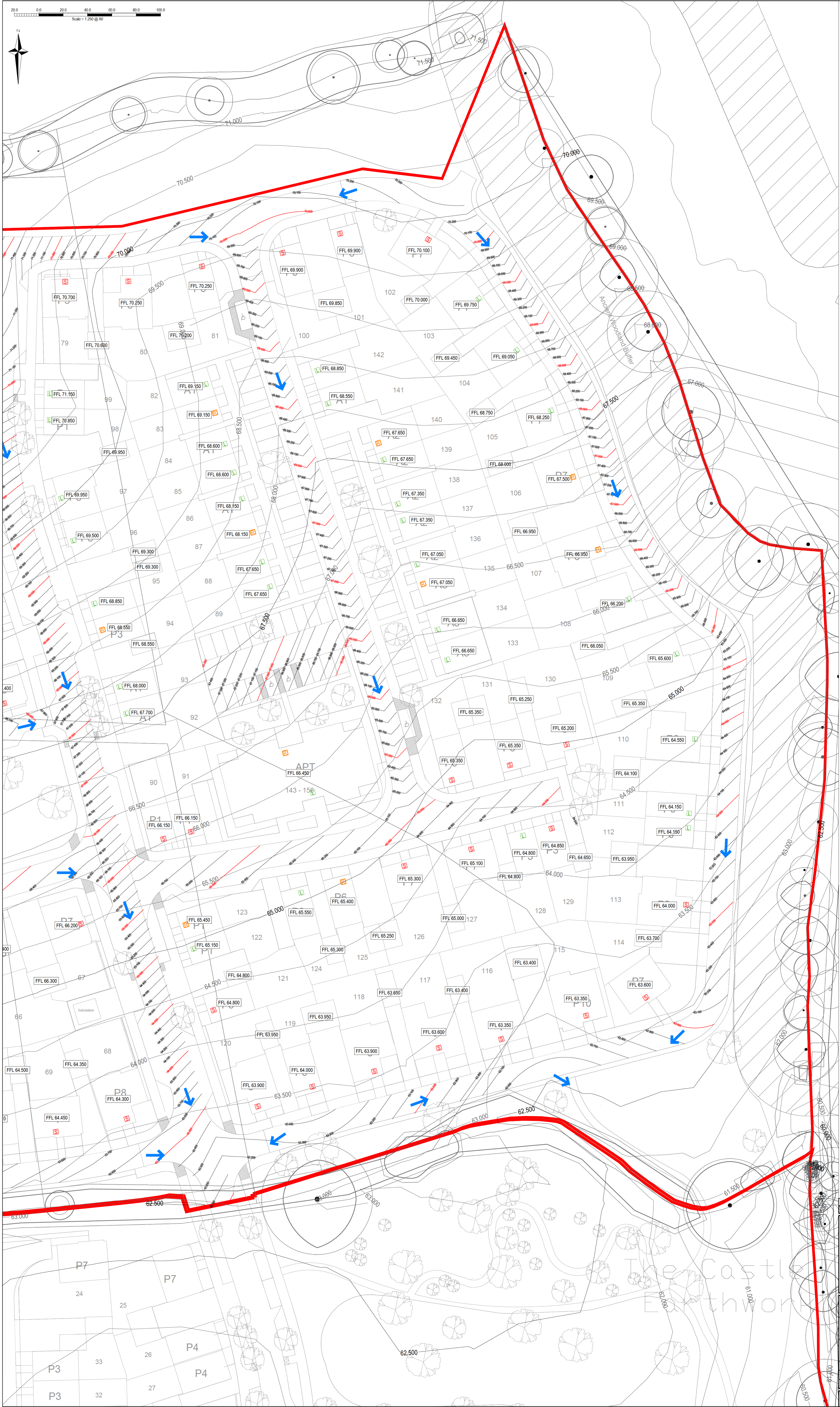


CRATES C13
Min. Cover Level: 66.550m AOD
Invert Level: 64.540m AOD
Total Crates Depth: 1.200m
Min. Crates Cover: 0.810m
Dimensions 27.0m x 6.0m
Area: 162m²
Max. Water Volume: 195m³

POND 2c
Invert Level: 61.050 - 61.128m AOD
Min. Bank Level: 62.550m AOD
Max. Water Level: 62.245m AOD
(1 in 100 year +20%CC storm)
Freeboard: 0.300m
Max. Water Volume: 175m³
Internal Side Slopes: 1:4
Earthwork Slopes: Varies (1:5 and 1:3)
Base Slope: 1:200

POND 2d
Invert Level: 60.500 - 60.791m AOD
Min. Bank Level: 62.200m AOD
Max. Water Level: 61.883m AOD
(1 in 100 year +20%CC storm)
Freeboard: 0.300m
Max. Water Volume: 718m³
Internal Side Slopes: 1:5
Earthwork Slopes: Varies (1:4 & 1:3)
Base Slope: 1:200

P1	Final Issue	20/06/2026	JD	WV
Rev	Description	Drawn By	Checked By	
Client: Legal & General (Strategic Land North Horsham) Ltd				
Project: Land at North Horsham Phase 2 Parcel 13				
Title: Drainage Layout Sheet 2 of 2				
Engineer: J. Dunsbury		Date: June 2026		
Director: J. Birch		Scale: 250 @ A0		
Status: PLANNING				
Drawing No: MOW-GLA-RM13-PH2-I202				Rev: P1



NOTES

1. Dimensions not to be scaled.
2. This drawing is to be read in conjunction with all relevant documents and specifications.
3. Original topographical survey MK Surveys (Ref: 31246 R1, date: May 2022).
4. Architect's layout from Broadway/Malvern (ref: 34854 BM 13.22 GR A-01100, dated 04.06.20).
5. Finished floor levels are based on those submitted for planning and are subject to change by a 3.00mm along the finished design of the private areas.
6. Finished floor levels have been designed with consideration of M10 requirements. Where level access to the principal entrance could not be achieved, level access has instead been provided via the rear entrance.

KEY

- Site Boundary
- Existing Ground Major Contours
- Existing Ground Minor Contours
- Proposed Major Road Contours
- Proposed Minor Road Contours
- Plot Finished Floor Level
- Part M Level Access
- Part M Ramped Access
- Part M Stopped Access

WORKS WITHIN THE ADAPTABLE EXTENTS ARE SUBJECT TO S38 APPROVAL BY WEST SUSSEX COUNTY COUNCIL.

PI: DRAFT Issue	17/06/2028	ADN	WN
Rev: Description	Rev	By	CHKD



- Civil Engineering
- Highways Engineering
- Structural Engineering
- Building Surveying
- Transport Planning
- Geomatics
- Heritage
- Landscaping
- Construction
- Drainage

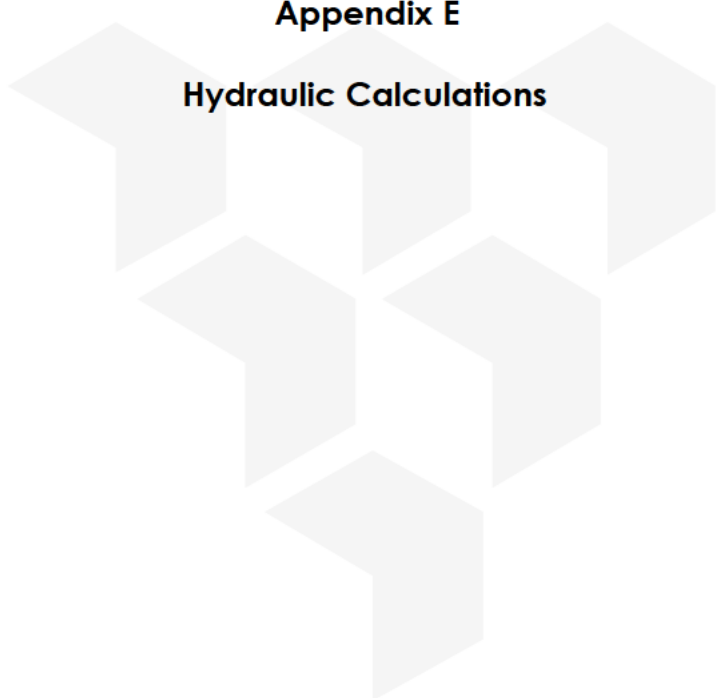
Client: Legal & General (Strategic Land North Horsham) Ltd

Project: Land at North Horsham Phase 2 Parcel 13

Title: Road Contours and Finished Floor Levels Sheet 2 of 2

Engineer: A. Purvis Date: April 2028
Director: J. Birch Scale: 250 @ A0
Scales: PLANNING

Drawing No: MOW-GLA-RM13-PH2-1102 Rev: P1



Appendix E

Hydraulic Calculations

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



RMA1 - Sec. Road 1

Type : Catchment Area

Area (ha)	0.047
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



RMA1 - Sec. Road 2

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.13.0_A4

Type : Catchment Area

Area (ha)	0.011
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.8.6_A2

Type : Catchment Area

Area (ha)	0.008
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.1_A8

Type : Catchment Area

Area (ha)	0.006
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.1_A9

Type : Catchment Area

Area (ha)	0.008
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.12.0_A4

Type : Catchment Area

Area (ha)	0.004
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.12.0_A5

Type : Catchment Area

Area (ha)	0.01
-----------	------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S22.0.0_A4

Type : Catchment Area

Area (ha)	0.002
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S21.0.0_A6

Type : Catchment Area

Area (ha)	0.004
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S20.0.0_A7

Type : Catchment Area

Area (ha)	0.002
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.12.0_A2

Type : Catchment Area

Area (ha)	0.008
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.11.0_A11

Type : Catchment Area

Area (ha)	0.008
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.6_A8

Type : Catchment Area

Area (ha)	0.008
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S18.0.0_A8

Type : Catchment Area

Area (ha)	0.008
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.13.0_A3

Type : Catchment Area

Area (ha)	0.004
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.6_A4

Type : Catchment Area

Area (ha)	0.002
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.2_A8

Type : Catchment Area

Area (ha)	0.004
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.8.1_A7

Type : Catchment Area

Area (ha)	0.002
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.11.0_A4

Type : Catchment Area

Area (ha)	0.004
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.11.0_A7

Type : Catchment Area

Area (ha)	0.002
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		


DRN



IMP_S14.11.0_A10

Type : Catchment Area

Area (ha)	0.004
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S18.0.0_A7

Type : Catchment Area

Area (ha)	0.002
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S18.0.0_A4

Type : Catchment Area

Area (ha)	0.002
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		


DRN



IMP_S20.0.0_A4

Type : Catchment Area

Area (ha)	0.002
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S21.0.0_A3

Type : Catchment Area

Area (ha)	0.004
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S17.0.0_A4

Type : Catchment Area

Area (ha)	0.002
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		


DRN



IMP_S17.0.1_A10

Type : Catchment Area

Area (ha)	0.002
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S17.0.1_A14

Type : Catchment Area

Area (ha)	0.004
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S17.0.2_A9

Type : Catchment Area

Area (ha)	0.004
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S14.8.6_A11

Type : Catchment Area

Area (ha)	0.004
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.6_A15

Type : Catchment Area

Area (ha)	0.002
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S17.0.1_A11

Type : Catchment Area

Area (ha)	0.006
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S17.0.2_A6

Type : Catchment Area

Area (ha)	0.006
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.8.6_A13

Type : Catchment Area

Area (ha)	0.006
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.6_A12

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S17.0.2_A7

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S22.0.0_A2

Type : Catchment Area

Area (ha)	0.01
-----------	------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.11.0_A5

Type : Catchment Area

Area (ha)	0.01
-----------	------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.11.0_A8

Type : Catchment Area

Area (ha)	0.007
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.11.0_A2

Type : Catchment Area

Area (ha)	0.011
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S17.0.1_A12

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.8.6_A5

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.6_A6

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.4_A8

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.8.4_A7

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.4_A6

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.6_A9

Type : Catchment Area

Area (ha)	0.008
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.8.2_A9

Type : Catchment Area

Area (ha)	0.01
-----------	------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.4_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S20.0.0_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



IMP_S20.0.0_A5

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S20.0.0_A8

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S21.0.0_A4

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.8.4_A5

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.4_A4

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S17.0.0_A5

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S18.0.0_A5

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S17.0.0_A2

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.8.4_A2

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S18.0.0_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.7_A6

Type : Catchment Area

Area (ha)	0.002
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S15.2.0_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.7.1_A8

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.7.1_A4

Type : Catchment Area

Area (ha)	0.002
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S17.0.1_A6

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		


DRN



IMP_S17.0.2_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S16.0.0_A9

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S16.0.0_A13

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.5.0_A3

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.2.3_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.2.1_A2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.3.0_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.4.0_A2

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.5.0_A5

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.8_A6

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S15.5.0_A8

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.5.0_A7

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.3_A2

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S14.0.3_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S14.4.0_A4

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.2_A2

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.0.0_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S16.0.0_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.2.4_A2

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S16.0.0_A7

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S16.0.0_A4

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.1.0_A5

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.3.0_A5

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.8.3_A2

Type : Catchment Area

Area (ha)	0.007
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.8.2_A4

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S15.1.0_A4

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.8.2_A6

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



IMP_S15.1.0_A2

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.2.0_A4

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.3.0_A2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.4.0_A2

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.8.1_A4

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S15.4.0_A3

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.7_A4

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S14.0.8_A4

Type : Catchment Area

Area (ha)	0.008
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S15.7.0_A2

Type : Catchment Area

Area (ha)	0.008
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.7.1_A2

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S17.0.0_A6

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.5.0_A5

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.7.0_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.6.0_A2

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.0_A6

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



IMP_S14.0.1_A6

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.1_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.1_A12

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.1_A9

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.1_A15

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.3_A7

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.3_A11

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S14.0.3_A14

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S14.0.5_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.7_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S14.0.6_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S14.0.5_A4

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S14.0.8_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S14.0.8_A9

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S15.7.1_A14

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.10.0_A7

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.9_A2

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S15.7.1_A11

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S16.0.0_A14

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S17.0.0_A8

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S16.0.0_A10

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.10.0_A4

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.11.0_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.1.0_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



DRN



IMP_S14.2.0_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.2.0_A7

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.2.0_A10

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.3.0_A4

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.3.0_A8

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.8.2_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.8.1_A3

Type : Catchment Area

Area (ha)	0.002
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.3.0_A5

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.5.0_A4

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.6.0_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.6.0_A7

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.6.0_A10

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S14.6.0_A8

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S17.0.1_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.2.2_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



IMP_S17.0.2_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.3.0_A11

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.8.4_A10

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.8.4_A13

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.4_A17

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S15.4.0_A5

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.0_A4

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.7.1_A12

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.7.1_A9

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S17.0.2_A5

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.10.0_A2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.10.1_A2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.10.0_A5

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.4_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S14.0.3_A8

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.5.0_A6

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.7.1_A6

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.2.0_A11

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.6.0_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.0.1_A13

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.7.1_A15

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.1_A10

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.1_A7

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.5.0_A2

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.3.0_A6

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.7.0_A2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S15.11.0_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S14.0.3_A9

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S14.0.0_A3

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.2.0_A2

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.2.0_A8

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.6.0_A3

Type : Catchment Area

Area (ha)	0.043
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.8.4_A15

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.8.0_A18

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.8.4_A11

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.4_A14

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S17.0.1_A7

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.3.0_A9

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.3.0_A12

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.4.0_A6

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.2.0_A5

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.1.0_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.8.0_A6

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.3_A12

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S14.6.0_A5

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



IMP_S15.9.0_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.9.0_A2

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.8.0_A15

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



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IMP_S15.8.0_A13

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.8.0_A10

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.8.0_A1_2

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.1_A4

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S16.0.0_A15

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.12.0_A2

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S18.0.0_A9

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.7_A7

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S14.0.3_A5

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.8.0_A17

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.8.0_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.8.0_A4

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.8.0_A12

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.8.0_A11

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.0_A8

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.0_A7

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.8_A7

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S15.8.0_A1_1

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		


DRN



IMP_S15.0.0_A4

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.8.0_A2

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S17.0.1_A4

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S17.0.1_A8

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S16.0.0_A5

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S17.0.0_A9

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S16.0.0_A11

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.8.0_A7

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.8.0_A5

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.8.0_A14

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.7.1_A5

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.8.1_A5

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.12.5_A6

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A20

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A21

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.12.2_A4

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.11.0_A9

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.11.0_A7

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.11.0_A10

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S4.2.1_A4

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.2.0_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.0.0_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.0_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A10

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.8.0_A11

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A17

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A21

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S8.11.0_A12

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.3.0_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.12.1_A3

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.12.1_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.12.0_A7

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S13.0.0_A7

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S13.0.0_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S13.0.0_A4

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S23.4.0_A2

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S23.4.0_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1



IMP_S8.3.0_A5

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.0_A6

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.16.0_A15

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.14.0_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.12.0_A5

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.13.0_A4

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.14.0_A6

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.14.0_A4

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



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IMP_S8.14.0_A7

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.15.0_A5

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.3.0_A4

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S9.2.1_A5

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.2.0_A5

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.2.0_A6

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S9.2.1_A2

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.2.0_A9

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.11.0_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_C12_A2

Type : Catchment Area

Area (ha)	0.037
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1



IMP_S8.10.0_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.0_A2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.10.1_A2

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.0_A5

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.1.0_A2

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.3.0_A6

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S12.0.1_A1

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A29

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.16.0_A26

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A32

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A14

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S7.0.0_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S6.0.0_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.16.0_A7

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.4_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.12.7_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S8.15.0_A11

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.15.0_A14

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.14.0_A9

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.13.0_A6

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A9

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A13

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



DRN



IMP_S12.0.3_A12

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S12.0.3_A8

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.2.1_A4

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S9.2.0_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.2.0_A8

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S12.0.1_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S12.0.2_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S12.0.3_A5

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.0.1_A4

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



DRN



IMP_S2.4.0_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S2.4.0_A7

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S2.4.0_A11

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S4.2.0_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S4.2.0_A7

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S4.2.0_A11

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S4.2.0_A15

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S4.2.1_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.1.0_A4

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



IMP_S9.0.3_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.3.0_A8

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.1_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S9.0.4_A6

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.5_A5

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.5_A9

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.6.1_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A23

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A17

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.15.0_A7

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.15.0_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.13.0_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.12.0_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A14

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.10.2_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.11.0_A6

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.10.1_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S8.12.5_A5

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.12.2_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.12.3_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.12.5_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A30

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.2.0_A2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.3.0_A13

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S4.2.0_A17

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S4.2.0_A16

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S4.2.0_A13

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S4.2.0_A12

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S4.2.0_A9

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S4.2.0_A8

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S4.2.0_A5

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S10.0.0_A2

Type : Catchment Area

Area (ha)	0.035
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S12.0.1_A4

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S12.0.2_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S12.0.3_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S12.0.3_A6

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.3.0_A11

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S23.2.0_A9

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.12.4_A2

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.1_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.12.6_A2

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S9.1.0_A2

Type : Catchment Area

Area (ha)	0.075
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.15.0_A12

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.14.0_A11

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.14.0_A10

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.15.0_A16

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S4.2.0_A4

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.6.0_A3

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.1_A3

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A11

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S13.0.0_A5

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S8.16.4_A4

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.2_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.11.0_A4

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S6.0.0_A4

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S2.4.0_A5

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S2.4.0_A4

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S2.4.0_A9

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.0.2_A2

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S2.4.0_A8

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.0.1_A2

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S2.5.0_A2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.0.0_A2

Type : Catchment Area

Area (ha)	0.081
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S12.0.3_A10

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.3.0_A15

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S23.5.0_A10

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1



IMP_S8.13.0_A5

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S23.9.0_A4

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S23.9.0_A5

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1



IMP_S9.0.3_A9

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S23.5.0_A8

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.0.0_A10

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.0.0_A5

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.0.0_A8

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



IMP_S8.2.0_A4

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.2.0_A6

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.7.2_A2

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.5.0_A9

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.7.1_A2

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.3_A2

Type : Catchment Area

Area (ha)	0.007
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S5.0.0_A2

Type : Catchment Area

Area (ha)	0.043
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.3_A5

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.3_A7

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



IMP_S9.0.4_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.4_A4

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.5_A2

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S9.0.5_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.6.1_A4

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.2_A3

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.17.0_A2

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A18

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.15.0_A8

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



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IMP_S9.0.3_A11

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.3_A13

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.11.0_A14

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S9.0.5_A6

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A5

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A6

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.8.0_A15

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A18

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A22

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.9.0_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A8

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.9.0_A2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A12

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S23.5.0_A4

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S23.9.0_A6

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1



IMP_S8.16.0_A24

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S23.2.0_A6

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S23.2.0_A7

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1



IMP_S4.3.0_A2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.5.0_A7

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.2.0_A7

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.3.0_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.17.0_A3

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.5.0_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S23.2.0_A3

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1



IMP_S23.2.0_A4

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S23.9.0_A2

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1



IMP_S23.9.0_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1



IMP_S9.0.3_A8

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.5.0_A11

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.3.0_A9

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.5.0_A14

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S9.0.3_A12

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.10.2_A4

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S13.0.0_A8

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S12.0.3_A9

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S10.0.0_A3

Type : Catchment Area

Area (ha)	0.098
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A5

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.10.0_A4

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.5.0_A6

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.15.0_A15

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.16.0_A10

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A28

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A19

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.8.0_A23

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.11.0_A13

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.12.0_A4

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S9.0.5_A7

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.4_A5

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.3_A14

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S9.0.3_A10

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.15.0_A4

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S12.0.3_A4

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S9.2.0_A10

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.2.1_A6

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S7.0.0_A2

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		


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IMP_S8.7.1_A3

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.7.2_A3

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S23.5.0_A3

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



IMP_S8.5.0_A4

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.5.0_A12

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.2.0_A5

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.2.0_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.0.0_A7

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S23.5.0_A7

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S2.4.0_A10

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S2.4.0_A6

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S2.4.0_A2

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S6.0.0_A2

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S7.0.0_A3

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.0.1_A3

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S9.3.0_A2

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.2.0_A7

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.2.0_A2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S9.2.1_A3

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S12.0.1_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S12.0.2_A3

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S12.0.3_A3

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S12.0.3_A7

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S12.0.3_A11

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S23.2.0_A2

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1



IMP_S23.2.0_A5

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1



IMP_S23.2.0_A8

Type : Catchment Area

Area (ha)	0.009
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S23.3.0_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1



IMP_S23.5.0_A6

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1



IMP_S23.5.0_A9

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.3.0_A14

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.3.0_A12

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S4.2.0_A6

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S4.2.0_A10

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S4.2.0_A14

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S4.2.1_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S23.5.0_A2

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1



IMP_S23.5.0_A5

Type : Catchment Area

Area (ha)	0.004
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.1



IMP_S8.5.0_A2

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



IMP_S8.5.0_A5

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.5.0_A8

Type : Catchment Area

Area (ha)	0.004
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.3.0_A7

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.3.0_A4

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.3.0_A2

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.1.0_A3

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.5.0_A10

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.5.0_A13

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.4_A2

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S9.0.3_A6

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.3_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.1_A2

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.0.0_A9

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.0.0_A6

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.0.0_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.8.0_A3

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A7

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A9

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.8.0_A13

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.1_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.0_A3

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



IMP_S8.16.0_A22

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A19

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A16

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.15.0_A9

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.15.0_A6

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.15.0_A2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.14.0_A5

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.14.0_A2

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.13.0_A2

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.12.0_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.11.0_A11

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A24

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.8.0_A20

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.8.0_A16

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.6.0_A2

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.6.1_A2

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.5_A8

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S9.0.5_A4

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.10.2_A2

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.10.1_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.10.0_A2

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		


DRN



IMP_S8.11.0_A2

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.11.0_A5

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.11.0_A8

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.12.5_A4

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.12.5_A2

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.12.3_A2

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S8.12.2_A2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.12.7_A2

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.12.0_A6

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.14.0_A8

Type : Catchment Area

Area (ha)	0.013
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.15.0_A10

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.15.0_A13

Type : Catchment Area

Area (ha)	0.012
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.16.0_A2

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A6

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.16.4_A2

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A12

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A8

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.16.0_A25

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A27

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.16.0_A31

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S13.0.0_A2

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S13.0.0_A6

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.5.0_A3

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.4.0_A3

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.3.0_A4

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.3.0_A2

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



DRN



IMP_S14.2.0_A9

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.2.0_A6

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.2.0_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.1.0_A3

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.6.0_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.6.0_A6

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.6.0_A9

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.1_A2

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.2_A2

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.8.2_A5

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.3_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S15.3.0_A7

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.3.0_A3

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.2.0_A2

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.1.0_A3

Type : Catchment Area

Area (ha)	0.009
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.8.1_A6

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.2_A7

Type : Catchment Area

Area (ha)	0.009
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.11.0_A3

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S14.11.0_A6

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.11.0_A9

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.6_A7

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		



IMP_S14.8.6_A3

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.6_A14

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.6_A10

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S17.0.2_A8

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S17.0.1_A13

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S17.0.1_A9

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S17.0.0_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S18.0.0_A2

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S18.0.0_A6

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S20.0.0_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S20.0.0_A6

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S21.0.0_A2

Type : Catchment Area

Area (ha)	0.012
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		


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IMP_S21.0.0_A5

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S22.0.0_A3

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.12.0_A3

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.13.0_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.4_A16

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S17.0.2_A2

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S17.0.1_A5

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S17.0.1_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S16.0.0_A6

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S16.0.0_A2

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.2.2_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.3.0_A10

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.4.0_A4

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.8.4_A9

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5



IMP_S14.8.4_A12

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	9.5

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S18.0.0_A10

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S17.0.0_A7

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S16.0.0_A12

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S16.0.0_A8

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.0.0_A2

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.5.0_A9

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S15.11.0_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.10.0_A3

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.0_A5

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.1_A5

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.1_A2

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.1_A8

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.1_A11

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.1_A14

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.3_A3

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S14.0.3_A6

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S14.0.3_A10

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S15.5.0_A2

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.5.0_A4

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.6.0_A1

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.7.0_A3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S15.7.1_A3

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.7.1_A7

Type : Catchment Area

Area (ha)	0.002
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.7.1_A10

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.7.1_A13

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.3_A13

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S14.0.5_A2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.7_A2

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S14.0.7_A5

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S15.8.0_A16

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.9.0_A4

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S15.10.0_A6

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	8.4



IMP_S14.0.8_A2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.8_A5

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S14.0.8_A8

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



IMP_S2.4.0_A1

Type : Catchment Area

Area (ha)	0.017
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S2.5.0_A1

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S12.0.3_A1

Type : Catchment Area

Area (ha)	0.035
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S12.0.2_A1

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S12.0.0

Type : Catchment Area

Area (ha)	0.048
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.17.0_A1

Type : Catchment Area

Area (ha)	0.017
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_C12_A1

Type : Catchment Area

Area (ha)	0.038
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S23.1.0

Type : Catchment Area

Area (ha)	0.016
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S23.2.0_A1

Type : Catchment Area

Area (ha)	0.055
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S23.3.0_A1

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S23.4.0_A1

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S23.9.0_A1

Type : Catchment Area

Area (ha)	0.024
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.4.2_A1

Type : Catchment Area

Area (ha)	0.012
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S4.2.1_A1

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S4.2.0_A1

Type : Catchment Area

Area (ha)	0.024
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S4.3.0_A1

Type : Catchment Area

Area (ha)	0.025
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.3.0_A10

Type : Catchment Area

Area (ha)	0.022
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.2.0_A8

Type : Catchment Area

Area (ha)	0.023
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S9.0.1_A1

Type : Catchment Area

Area (ha)	0.024
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.10.1_A1

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.10.2_A1

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.7.1_A1

Type : Catchment Area

Area (ha)	0.014
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.7.2_A1

Type : Catchment Area

Area (ha)	0.017
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S10.0.1

Type : Catchment Area

Area (ha)	0.043
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.0.2_A1

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.0.1_A1

Type : Catchment Area

Area (ha)	0.068
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S9.2.0_A1

Type : Catchment Area

Area (ha)	0.036
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S9.1.1

Type : Catchment Area

Area (ha)	0.037
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S9.1.0_A1

Type : Catchment Area

Area (ha)	0.161
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S9.3.0_A1

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S9.2.1_A1

Type : Catchment Area

Area (ha)	0.032
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S9.0.2_A2

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.0.0_A2

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S15.1.0_A1

Type : Catchment Area

Area (ha)	0.024
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.2.0_A1

Type : Catchment Area

Area (ha)	0.012
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S15.2.1_A1

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S15.2.4_A1

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.2.3_A1

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S15.2.2_A1

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S15.3.0_A1

Type : Catchment Area

Area (ha)	0.026
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.4.0_A1

Type : Catchment Area

Area (ha)	0.015
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.2.0_A1

Type : Catchment Area

Area (ha)	0.027
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.5.0_A1

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.4.0_A1

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.3.0_A1

Type : Catchment Area

Area (ha)	0.019
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.1.0_A1

Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.0.0_A1

Type : Catchment Area

Area (ha)	0.066
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S17.0.1_A1

Type : Catchment Area

Area (ha)	0.027
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S19.0.0

Type : Catchment Area

Area (ha)	0.022
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S20.0.0_A1

Type : Catchment Area

Area (ha)	0.025
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S21.0.0_A1

Type : Catchment Area

Area (ha)	0.027
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S22.0.0_A1

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S18.0.0_A1

Type : Catchment Area

Area (ha)	0.039
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S17.0.0_A1

Type : Catchment Area

Area (ha)	0.057
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S17.0.2_A1

Type : Catchment Area

Area (ha)	0.014
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S16.0.0_A1

Type : Catchment Area

Area (ha)	0.05
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.0.2_A1

Type : Catchment Area

Area (ha)	0.035
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S13.0.0_A1

Type : Catchment Area

Area (ha)	0.059
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.8.0_A1

Type : Catchment Area

Area (ha)	0.082
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S15.12.0_A1

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S15.10.0_A1

Type : Catchment Area

Area (ha)	0.028
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.10.1_A1

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S15.10.2

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S15.11.0_A1

Type : Catchment Area

Area (ha)	0.012
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S15.9.0_A1

Type : Catchment Area

Area (ha)	0.031
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S15.7.0_A1

Type : Catchment Area

Area (ha)	0.03
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S15.7.1_A1

Type : Catchment Area

Area (ha)	0.028
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S15.5.0_A1

Type : Catchment Area

Area (ha)	0.046
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_Pond 2d

Type : Catchment Area

Area (ha)	0.118
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.0.4_A1

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.5_A1

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.0.6_A1

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.0.7_A1

Type : Catchment Area

Area (ha)	0.013
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.0.8_A1

Type : Catchment Area

Area (ha)	0.021
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.0.9_A1

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.0.3_A1

Type : Catchment Area

Area (ha)	0.043
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_Pond 2b

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.13.0_A1

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.11.0_A1

Type : Catchment Area

Area (ha)	0.02
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.12.0_A1

Type : Catchment Area

Area (ha)	0.023
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.8.1_A1

Type : Catchment Area

Area (ha)	0.042
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.8.2_A1

Type : Catchment Area

Area (ha)	0.013
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.8.3_A1

Type : Catchment Area

Area (ha)	0.024
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.8.5

Type : Catchment Area

Area (ha)	0.023
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.8.4_A1

Type : Catchment Area

Area (ha)	0.047
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.8.0

Type : Catchment Area

Area (ha)	0.013
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.8.7

Type : Catchment Area

Area (ha)	0.022
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.8.6_A1

Type : Catchment Area

Area (ha)	0.042
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S14.7.0_A1

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.6.0_A1

Type : Catchment Area

Area (ha)	0.015
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S11.0.0

Type : Catchment Area

Area (ha)	0.057
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S9.0.2_A1

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S4.1.0

Type : Catchment Area

Area (ha)	0.057
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S4.0.0

Type : Catchment Area

Area (ha)	0.032
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S5.0.0_A1

Type : Catchment Area

Area (ha)	0.025
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S6.0.0_A1

Type : Catchment Area

Area (ha)	0.03
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S7.0.0_A1

Type : Catchment Area

Area (ha)	0.019
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S8.0.0_A1

Type : Catchment Area

Area (ha)	0.102
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.1.0_A1

Type : Catchment Area

Area (ha)	0.013
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.2.0_A1

Type : Catchment Area

Area (ha)	0.051
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.3.0_A1

Type : Catchment Area

Area (ha)	0.038
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S23.5.0_A11

Type : Catchment Area

Area (ha)	0.015
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S9.0.4_A1

Type : Catchment Area

Area (ha)	0.028
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_S9.0.3_A1

Type : Catchment Area

Area (ha)	0.049
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S23.5.0_A1

Type : Catchment Area

Area (ha)	0.014
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S9.0.0_A1

Type : Catchment Area

Area (ha)	0.046
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S9.0.5_A1

Type : Catchment Area

Area (ha)	0.021
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.5.0_A1

Type : Catchment Area

Area (ha)	0.048
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.6.1_A1

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.6.0_A1

Type : Catchment Area

Area (ha)	0.018
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.7.0

Type : Catchment Area

Area (ha)	0.022
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.8.0_A1

Type : Catchment Area

Area (ha)	0.051
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.10.0_A1

Type : Catchment Area

Area (ha)	0.014
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.11.0_A1

Type : Catchment Area

Area (ha)	0.026
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.12.0_A1

Type : Catchment Area

Area (ha)	0.059
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.12.7_A1

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.12.6_A1

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.12.1_A1

Type : Catchment Area

Area (ha)	0.022
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.12.2_A1

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.12.3_A1

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.12.4_A1

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.12.5_A1

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.14.0_A1

Type : Catchment Area

Area (ha)	0.022
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.15.0_A1

Type : Catchment Area

Area (ha)	0.033
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.16.2_A1

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.16.4_A1

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.16.3

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.16.0_A1

Type : Catchment Area

Area (ha)	0.078
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.13.0_A1

Type : Catchment Area

Area (ha)	0.015
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S8.9.0_A1

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S8.16.1_A1

Type : Catchment Area

Area (ha)	0.019
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.0.1_A1

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S14.0.0_A1

Type : Catchment Area

Area (ha)	0.094
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1		





IMP_S10.0.0_A1

Type : Catchment Area

Area (ha)	0.085
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S4.2.0_A2

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	7.2



IMP_S8.4.0

Type : Catchment Area

Area (ha)	0.012
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflows Storm Phase: Phase	Revision: Rev 1			



IMP_C13

Type : Catchment Area

Area (ha)	0.045
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



IMP_S15.8.0_A1_3

Type : Catchment Area

Area (ha)	0.021
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
Report Details: Type: Junctions Storm Phase: Phase		Revision: Rev 1			

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
S2.2.0	Manhole	519492.411	133824.976	56.315	2.025	54.290	Circular	2.400
S2.1.1	Manhole	519481.429	133802.264	56.350	2.360	53.990	Circular	2.400
HW 2.1	Manhole	519486.842	133780.053	54.700	0.790	53.910	Circular	1.200
S2.1.0	Manhole	519489.867	133784.851	54.830	0.900	53.930	Circular	1.500
S2.3.0	Manhole	519571.950	133836.343	56.500	1.900	54.600	Circular	1.200
S2.1.3	Manhole	519473.481	133816.711	56.000	1.335	54.665	Circular	1.200
S2.1.2	Manhole	519467.413	133804.540	55.830	1.240	54.590	Circular	1.200
S2.4.0	Manhole	519574.120	133840.847	56.490	1.865	54.625	Circular	1.200
S2.5.0	Manhole	519541.902	133856.368	56.800	1.860	54.940	Circular	1.200
S5.0.0	Manhole	519512.288	133854.017	56.680	2.100	54.580	Circular	1.200
S4.0.0	Manhole	519490.104	133834.237	56.165	1.855	54.310	Circular	1.200
S4.1.0	Manhole	519482.754	133842.473	56.590	1.715	54.875	Circular	1.200
S4.1.1	Manhole	519510.777	133867.446	57.240	1.125	56.115	Circular	1.200
S4.2.0	Manhole	519456.438	133819.021	55.980	0.985	54.995	Circular	1.200
S6.0.0	Manhole	519528.952	133868.874	57.075	2.350	54.725	Circular	1.200
S7.0.0	Manhole	519539.113	133880.366	57.350	2.525	54.825	Circular	1.200
S8.0.0	Manhole	519548.121	133895.225	57.660	2.720	54.940	Circular	1.200
S9.0.0	Manhole	519553.053	133907.149	57.885	2.880	55.005	Circular	1.200
S9.0.1	Manhole	519601.700	133897.339	57.705	2.030	55.675	Circular	1.200
S9.0.2	Manhole	519591.222	133865.537	56.915	0.940	55.975	Circular	1.200
S9.1.0	Manhole	519546.708	133912.819	58.055	2.785	55.270	Circular	1.200
S9.2.0	Manhole	519532.566	133916.965	58.050	2.665	55.385	Circular	1.200
S9.3.0	Manhole	519490.552	133909.561	57.600	1.810	55.790	Circular	1.200
S9.4.0	Manhole	519448.122	133908.387	58.060	1.940	56.120	Circular	1.200
S24.6.0	Manhole	519444.298	133905.660	58.080	2.615	55.465	Circular	1.200
S24.7.0	Manhole	519451.880	133900.303	57.970	2.365	55.605	Circular	1.200
S24.5.0	Manhole	519418.685	133894.446	58.190	2.850	55.340	Circular	1.200
S9.5.0	Manhole	519439.913	133913.680	58.290	2.010	56.280	Circular	1.200
S9.6.0	Manhole	519439.921	133965.430	59.900	3.140	56.760	Circular	1.200
S9.6.1	Manhole	519457.160	133965.390	59.740	1.425	58.315	Circular	1.200
S9.7.0	Manhole	519414.604	133965.489	59.575	2.030	57.545	Circular	1.200
S9.7.1	Manhole	519402.685	133963.592	59.645	1.645	58.000	Circular	1.200
S9.7.2	Manhole	519387.718	133963.592	59.475	1.125	58.350	Circular	1.200
S9.8.0	Manhole	519406.945	133972.671	59.690	1.880	57.810	Circular	1.200
S9.9.0	Manhole	519406.945	134025.273	60.955	1.995	58.960	Circular	1.200
S9.10.0	Manhole	519412.399	134033.352	61.165	2.170	58.995	Circular	1.200
S9.10.1	Manhole	519406.749	134036.195	61.315	1.790	59.525	Circular	1.200
S9.10.2	Manhole	519385.068	134036.210	61.410	1.125	60.285	Circular	1.200
S9.11.0	Manhole	519425.882	134034.372	61.385	2.345	59.040	Circular	1.200
S9.12.0	Manhole	519460.526	134030.942	61.725	2.565	59.160	Circular	1.200
S9.12.1	Manhole	519460.526	134087.797	62.840	2.190	60.650	Circular	1.200
S9.12.2	Manhole	519446.318	134093.466	63.145	2.080	61.065	Circular	1.200
S9.12.3	Manhole	519431.584	134090.135	63.220	1.820	61.400	Circular	1.200
S9.12.4	Manhole	519421.825	134085.136	63.100	1.455	61.645	Circular	1.200
S9.12.5	Manhole	519403.747	134080.421	62.910	1.125	61.785	Circular	1.200
S9.12.6	Manhole	519473.526	134090.199	62.940	1.530	61.410	Circular	1.200
S9.12.7	Manhole	519483.005	134095.852	63.085	1.125	61.960	Circular	1.200
S9.13.0	Manhole	519479.976	134030.850	61.660	2.335	59.325	Circular	1.200
S9.14.0	Manhole	519501.368	134037.894	61.440	2.015	59.425	Circular	1.200
S9.15.0	Manhole	519514.635	134046.053	61.285	1.790	59.495	Circular	1.200
S9.16.0	Manhole	519532.943	134062.565	61.255	1.650	59.605	Circular	1.200
S9.16.1	Manhole	519531.623	134117.840	62.570	1.425	61.145	Circular	1.200
S9.16.2	Manhole	519518.179	134117.519	62.865	1.380	61.485	Circular	1.200
S9.16.3	Manhole	519507.540	134116.574	63.140	1.385	61.755	Circular	1.200
S9.16.4	Manhole	519493.602	134110.104	63.260	1.125	62.135	Circular	1.200
S9.17.0	Manhole	519573.610	134063.652	61.890	1.785	60.105	Circular	1.200
S10.0.0	Manhole	519565.633	133969.161	59.765	3.295	56.470	Circular	1.200
S10.0.1	Manhole	519560.775	133975.464	59.865	2.895	56.970	Circular	1.200

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
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Report Details: Type: Junctions Storm Phase: Phase		Revision: Rev 1			

S10.0.2	Manhole	519536.172	133980.455	59.285	1.680	57.605	Circular	1.200
S10.0.3	Manhole	519528.159	133979.932	59.240	1.460	57.780	Circular	1.200
S10.0.4	Manhole	519490.677	133967.608	59.595	1.420	58.175	Circular	1.200
S10.0.5	Manhole	519474.870	133965.704	59.760	1.425	58.335	Circular	1.200
S10.1.0	Manhole	519624.307	133957.278	59.185	2.145	57.040	Circular	1.200
S10.1.1	Manhole	519651.923	133951.685	58.730	1.425	57.305	Circular	1.200
S10.2.0	Manhole	519638.094	134025.235	60.990	2.475	58.515	Circular	1.200
S10.2.1	Manhole	519669.076	134018.950	60.230	1.425	58.805	Circular	1.200
S10.3.0	Manhole	519600.026	134032.958	61.445	1.425	60.020	Circular	1.200
S11.0.0	Manhole	519576.668	134002.242	60.805	3.795	57.010	Circular	1.200
S11.0.1	Manhole	519542.916	134014.643	60.250	1.425	58.825	Circular	1.200
S12.0.0	Manhole	519589.212	134036.389	61.660	4.090	57.570	Circular	1.200
S13.0.0	Manhole	519588.401	134083.794	62.265	3.985	58.280	Circular	1.200
S13.0.1	Manhole	519628.645	134084.955	62.515	3.590	58.925	Circular	1.200
S13.0.2	Manhole	519642.340	134083.239	62.305	3.285	59.020	Circular	1.200
S13.0.3	Manhole	519687.997	134068.644	60.765	1.425	59.340	Circular	1.200
S14.0.0 (FC)	Manhole	519586.839	134097.090	62.395	3.575	58.820	Circular	1.200
S15.0.0	Manhole	519573.948	134138.129	63.600	3.070	60.530	Circular	1.200
S15.0.1	Manhole	519605.123	134147.187	63.280	2.490	60.790	Circular	1.200
S15.0.2 (FC)	Manhole	519652.171	134159.209	62.575	1.620	60.955	Circular	1.200
S15.0.3	Manhole	519681.063	134173.409	63.120	1.575	61.545	Circular	1.200
S15.0.4	Manhole	519684.707	134243.545	65.075	1.500	63.575	Circular	1.200
S15.0.5	Manhole	519679.629	134251.448	65.500	1.500	64.000	Circular	1.200
S15.0.6	Manhole	519669.823	134261.061	66.180	1.500	64.680	Circular	1.200
S15.0.7	Manhole	519661.282	134275.642	67.030	1.505	65.525	Circular	1.200
S15.0.8	Manhole	519652.617	134299.626	68.275	1.440	66.835	Circular	1.200
S15.0.9	Manhole	519630.598	134331.902	70.150	1.425	68.725	Circular	1.200
S15.1.0	Manhole	519566.042	134140.568	63.510	2.735	60.775	Circular	1.200
S15.2.0	Manhole	519550.788	134136.704	63.670	2.720	60.950	Circular	1.200
S15.3.0	Manhole	519502.160	134131.356	64.160	2.665	61.495	Circular	1.200
S15.4.0	Manhole	519484.004	134128.014	64.345	2.645	61.700	Circular	1.200
S15.5.0 (FC)	Manhole	519468.978	134130.150	64.500	2.630	61.870	Circular	1.200
S15.6.0	Manhole	519414.321	134131.753	64.630	1.755	62.875	Circular	1.200
S15.7.0	Manhole	519408.014	134166.798	65.945	1.645	64.300	Circular	1.200
S15.8.0	Manhole	519407.379	134179.370	66.365	1.575	64.790	Circular	1.200
S15.8.1	Manhole	519425.096	134181.905	66.655	1.580	65.075	Circular	1.200
S15.8.2	Manhole	519454.076	134181.726	66.915	1.500	65.415	Circular	1.200
S15.8.3	Manhole	519467.600	134183.155	67.045	1.500	65.545	Circular	1.200
S15.8.4	Manhole	519464.823	134209.453	68.095	1.500	66.595	Circular	1.200
S15.8.5	Manhole	519461.805	134251.602	69.835	1.500	68.335	Circular	1.200
S15.8.6	Manhole	519461.656	134274.231	70.790	1.500	69.290	Circular	1.200
S15.8.7	Manhole	519416.138	134274.068	71.320	1.425	69.895	Circular	1.200
S15.9.0	Manhole	519416.166	134194.178	67.200	1.400	65.800	Circular	1.200
S15.10.0	Manhole	519415.233	134207.142	67.875	1.425	66.450	Circular	1.200
S15.11.0	Manhole	519407.353	134212.911	68.365	1.425	66.940	Circular	1.200
S15.12.0	Manhole	519402.520	134272.949	71.435	1.485	69.950	Circular	1.200
S15.13.0	Manhole	519399.509	134313.733	73.515	1.425	72.090	Circular	1.200
S16.0.0	Manhole	519556.308	134194.285	65.855	3.480	62.375	Circular	1.200
S16.1.0	Manhole	519549.605	134199.207	66.285	3.090	63.195	Circular	1.200
S16.2.0	Manhole	519522.787	134190.644	66.625	1.500	65.125	Circular	1.200
S16.2.1	Manhole	519516.556	134204.837	67.280	1.690	65.590	Circular	1.200
S16.2.2	Manhole	519515.203	134218.316	67.815	1.885	65.930	Circular	1.200
S16.2.3	Manhole	519519.275	134223.375	68.030	1.935	66.095	Circular	1.200
S16.2.4	Manhole	519538.668	134228.518	68.020	1.425	66.595	Circular	1.200
S16.3.0	Manhole	519511.832	134185.637	66.740	1.415	65.325	Circular	1.200
S16.4.0	Manhole	519483.637	134182.659	67.040	1.425	65.615	Circular	1.200
S16.5.0	Manhole	519566.823	134197.587	65.720	3.230	62.490	Circular	1.200
S16.6.0	Manhole	519602.824	134202.994	65.165	2.550	62.615	Circular	1.200
S16.7.0	Manhole	519616.927	134206.595	64.950	2.285	62.665	Circular	1.200
S16.7.1	Manhole	519644.949	134213.750	64.510	1.500	63.010	Circular	1.200

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
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Report Details: Type: Junctions Storm Phase: Phase		Revision: Rev 1			

S16.8.0	Manhole	519611.528	134227.741	65.725	1.890	63.835	Circular	1.200
S16.10.0	Manhole	519587.607	134303.032	68.885	1.500	67.385	Circular	1.200
S16.11.0	Manhole	519579.826	134333.532	70.130	1.585	68.545	Circular	1.200
S16.11.1	Manhole	519601.411	134339.038	70.150	1.380	68.770	Circular	1.200
S16.11.2	Manhole	519616.045	134339.131	70.295	1.425	68.870	Circular	1.200
S16.12.0	Manhole	519561.030	134328.973	70.410	1.425	68.985	Circular	1.200
S16.13.0	Manhole	519544.754	134327.951	70.995	1.425	69.570	Circular	1.200
S17.0.0	Manhole	519544.009	134240.993	68.225	3.015	65.210	Circular	1.200
S18.0.0	Manhole	519534.005	134272.490	69.855	2.805	67.050	Circular	1.200
S18.0.1	Manhole	519506.823	134272.490	70.270	2.095	68.175	Circular	1.200
S18.0.2	Manhole	519478.156	134273.823	70.600	1.425	69.175	Circular	1.200
S19.0.0	Manhole	519531.142	134295.383	70.960	2.550	68.410	Circular	1.200
S20.0.0	Manhole	519532.049	134327.607	71.620	1.500	70.120	Circular	1.200
S21.0.0	Manhole	519508.979	134330.172	72.775	2.000	70.775	Circular	1.200
S22.0.0	Manhole	519455.567	134333.301	74.340	2.225	72.115	Circular	1.200
S23.0.0	Manhole	519427.540	134333.370	74.015	1.425	72.590	Circular	1.200
HW24.0 (Outfall)	Manhole	519442.106	133779.021	55.030	1.460	53.570	Circular	1.200
S24.0.0	Manhole	519442.121	133783.851	55.140	1.520	53.620	Circular	1.200
S24.1.0 (FC)	Manhole	519439.764	133799.528	55.770	1.990	53.780	Circular	1.200
S24.2.0	Manhole	519434.431	133812.431	56.090	2.240	53.850	Circular	1.200
S24.3.0	Manhole	519406.691	133879.545	57.675	2.510	55.165	Circular	1.200
S24.4.0	Manhole	519407.663	133888.412	57.905	2.625	55.280	Circular	1.200
S24.8.0	Manhole	519454.151	133884.776	57.390	1.680	55.710	Circular	1.200
S24.9.0	Manhole	519463.992	133869.489	56.960	1.125	55.835	Circular	1.200
S16.9.0 (FC)	Manhole	519604.978	134248.357	66.590	2.070	64.520	Circular	1.200

Name	Lock
S2.2.0	None
S2.1.1	None
HW 2.1	None
S2.1.0	None
S2.3.0	None
S2.1.3	None
S2.1.2	None
S2.4.0	None
S2.5.0	None
S5.0.0	None
S4.0.0	None
S4.1.0	None
S4.1.1	None
S4.2.0	None
S6.0.0	None
S7.0.0	None
S8.0.0	None
S9.0.0	None
S9.0.1	None
S9.0.2	None
S9.1.0	None
S9.2.0	None
S9.3.0	None
S9.4.0	None
S24.6.0	None
S24.7.0	None
S24.5.0	None
S9.5.0	None
S9.6.0	None
S9.6.1	None
S9.7.0	None
S9.7.1	None
S9.7.2	None
S9.8.0	None

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Junctions Storm Phase: Phase	Revision: Rev 1		



S9.9.0	None
S9.10.0	None
S9.10.1	None
S9.10.2	None
S9.11.0	None
S9.12.0	None
S9.12.1	None
S9.12.2	None
S9.12.3	None
S9.12.4	None
S9.12.5	None
S9.12.6	None
S9.12.7	None
S9.13.0	None
S9.14.0	None
S9.15.0	None
S9.16.0	None
S9.16.1	None
S9.16.2	None
S9.16.3	None
S9.16.4	None
S9.17.0	None
S10.0.0	None
S10.0.1	None
S10.0.2	None
S10.0.3	None
S10.0.4	None
S10.0.5	None
S10.1.0	None
S10.1.1	None
S10.2.0	None
S10.2.1	None
S10.3.0	None
S11.0.0	None
S11.0.1	None
S12.0.0	None
S13.0.0	None
S13.0.1	None
S13.0.2	None
S13.0.3	None
S14.0.0 (FC)	None
S15.0.0	None
S15.0.1	None
S15.0.2 (FC)	None
S15.0.3	None
S15.0.4	None
S15.0.5	None
S15.0.6	None
S15.0.7	None
S15.0.8	None
S15.0.9	None
S15.1.0	None
S15.2.0	None
S15.3.0	None
S15.4.0	None
S15.5.0 (FC)	None
S15.6.0	None
S15.7.0	None
S15.8.0	None
S15.8.1	None

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Junctions Storm Phase: Phase	Revision: Rev 1		



S15.8.2	None
S15.8.3	None
S15.8.4	None
S15.8.5	None
S15.8.6	None
S15.8.7	None
S15.9.0	None
S15.10.0	None
S15.11.0	None
S15.12.0	None
S15.13.0	None
S16.0.0	None
S16.1.0	None
S16.2.0	None
S16.2.1	None
S16.2.2	None
S16.2.3	None
S16.2.4	None
S16.3.0	None
S16.4.0	None
S16.5.0	None
S16.6.0	None
S16.7.0	None
S16.7.1	None
S16.8.0	None
S16.10.0	None
S16.11.0	None
S16.11.1	None
S16.11.2	None
S16.12.0	None
S16.13.0	None
S17.0.0	None
S18.0.0	None
S18.0.1	None
S18.0.2	None
S19.0.0	None
S20.0.0	None
S21.0.0	None
S22.0.0	None
S23.0.0	None
HW24.0 (Outfall)	None
S24.0.0	None
S24.1.0 (FC)	None
S24.2.0	None
S24.3.0	None
S24.4.0	None
S24.8.0	None
S24.9.0	None
S16.9.0 (FC)	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S2.2.0	Inlet	S4.000	(None)	No Restriction
S2.1.1	Inlet	2.002	(None)	No Restriction
	Inlet (1)	2.100	(None)	No Restriction
HW 2.1	Inlet	2.000	(None)	No Restriction
S2.1.0	Inlet	2.001	(None)	No Restriction
S2.3.0	Inlet	S2.300	(None)	No Restriction
S2.1.3	Inlet	RMA1 - Sec. Road 2	(None)	No Restriction
	Inlet	2.101	(None)	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Report Details: Type: Junctions Storm Phase: Phase	Revision: Rev 1			

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S2.1.2	Inlet (1)	RMA1 - Sec. Road 1	(None)	No Restriction
S2.4.0	Inlet	S2.400 IMP_S2.4.0_A2 IMP_S2.4.0_A1 IMP_S2.4.0_A3 IMP_S2.4.0_A5 IMP_S2.4.0_A6 IMP_S2.4.0_A7 IMP_S2.4.0_A8 IMP_S2.4.0_A9 IMP_S2.4.0_A10 IMP_S2.4.0_A11 IMP_S2.4.0_A4	(None)	No Restriction
S2.5.0	Inlet	IMP_S2.5.0_A1 IMP_S2.5.0_A2	(None)	No Restriction
S5.0.0	Inlet	IMP_S4.0.0 S6.000	(None)	No Restriction
S4.0.0	Inlet	IMP_S4.1.0 S4.100 S5.000	(None)	No Restriction
S4.1.0	Inlet	IMP_S4.2.0_A1 S4.101 S4.200 IMP_S4.2.0_A2 IMP_S4.2.0_A3 IMP_S4.2.0_A4 IMP_S4.2.0_A5 IMP_S4.2.0_A6 IMP_S4.2.0_A7 IMP_S4.2.0_A9 IMP_S4.2.0_A8 IMP_S4.2.0_A10 IMP_S4.2.0_A12 IMP_S4.2.0_A13 IMP_S4.2.0_A14 IMP_S4.2.0_A15 IMP_S4.2.0_A16 IMP_S4.2.0_A17 IMP_S4.2.0_A11	(None)	No Restriction
S4.1.1	Inlet	IMP_S4.2.1_A1 IMP_S4.2.1_A2 IMP_S4.2.1_A3 IMP_S4.2.1_A4	(None)	No Restriction
S4.2.0	Inlet	IMP_S4.3.0_A1 IMP_S4.3.0_A2	(None)	No Restriction
S6.0.0	Inlet	IMP_S5.0.0_A1 S7.000 IMP_S5.0.0_A2	(None)	No Restriction
S7.0.0	Inlet	IMP_S6.0.0_A1 S8.000 IMP_S6.0.0_A2 IMP_S6.0.0_A4 IMP_S6.0.0_A3	(None)	No Restriction
S8.0.0	Inlet	IMP_S7.0.0_A1 S9.000 IMP_S7.0.0_A2 IMP_S7.0.0_A3 IMP_S7.0.0_A4	(None)	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
Report Details: Type: Junctions Storm Phase: Phase		Revision: Rev 1			

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S9.0.0	Inlet	IMP_S8.0.0_A1 S9.001 S9.100 S10.000 IMP_S8.0.0_A2 IMP_S8.0.0_A3 IMP_S8.0.0_A4 IMP_S8.0.0_A5 IMP_S8.0.0_A6 IMP_S8.0.0_A7 IMP_S8.0.0_A9 IMP_S8.0.0_A10 IMP_S8.0.0_A8	(None)	No Restriction
S9.0.1	Inlet	IMP_S8.0.1_A1 S9.002 IMP_S8.0.1_A2 IMP_S8.0.1_A3 IMP_S8.0.1_A4	(None)	No Restriction
S9.0.2	Inlet	IMP_S8.0.2_A1 IMP_S8.0.2_A2	(None)	No Restriction
S9.1.0	Inlet	IMP_S8.1.0_A1 S9.200 IMP_S8.1.0_A2 IMP_S8.1.0_A3 IMP_S8.1.0_A4	(None)	No Restriction
S9.2.0	Inlet	IMP_S8.2.0_A1 S9.300 IMP_S8.2.0_A2 IMP_S8.2.0_A3 IMP_S8.2.0_A4 IMP_S8.2.0_A5 IMP_S8.2.0_A6 IMP_S8.2.0_A7 IMP_S8.2.0_A8	(None)	No Restriction
S9.3.0	Inlet	IMP_S8.3.0_A1 S9.400 IMP_S8.3.0_A2 IMP_S8.3.0_A3 IMP_S8.3.0_A4 IMP_S8.3.0_A5 IMP_S8.3.0_A6 IMP_S8.3.0_A7 IMP_S8.3.0_A8 IMP_S8.3.0_A9 IMP_S8.3.0_A10 IMP_S8.3.0_A11 IMP_S8.3.0_A12 IMP_S8.3.0_A13 IMP_S8.3.0_A14 IMP_S8.3.0_A15	(None)	No Restriction
S9.4.0	Inlet	S9.500	(None)	No Restriction
	Inlet (1)	IMP_S8.4.0	(None)	No Restriction
S24.6.0	Inlet	S24.700	(None)	No Restriction
S24.7.0	Inlet	S24.800	(None)	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
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Report Details: Type: Junctions Storm Phase: Phase		Revision: Rev 1			

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S24.5.0	Inlet	IMP_S23.5.0_A1 IMP_S23.5.0_A11 S24.600 IMP_S23.5.0_A10 IMP_S23.5.0_A6 IMP_S23.5.0_A7 IMP_S23.5.0_A8 IMP_S23.5.0_A9 IMP_S23.5.0_A2 IMP_S23.5.0_A3 IMP_S23.5.0_A4 IMP_S23.5.0_A5	(None)	No Restriction
S9.5.0	Inlet	IMP_S8.5.0_A1 S9.600 IMP_S8.5.0_A2 IMP_S8.5.0_A3 IMP_S8.5.0_A4 IMP_S8.5.0_A5 IMP_S8.5.0_A6 IMP_S8.5.0_A7 IMP_S8.5.0_A8 IMP_S8.5.0_A9 IMP_S8.5.0_A10 IMP_S8.5.0_A11 IMP_S8.5.0_A12 IMP_S8.5.0_A13 IMP_S8.5.0_A14	(None)	No Restriction
S9.6.0	Inlet	IMP_S8.6.0_A1 S9.601 S9.700 IMP_S8.6.0_A2 IMP_S8.6.0_A3	(None)	No Restriction
S9.6.1	Inlet	IMP_S8.6.1_A1 IMP_S8.6.1_A2 IMP_S8.6.1_A3 IMP_S8.6.1_A4	(None)	No Restriction
S9.7.0	Inlet	IMP_S8.7.0 S9.701 S9.800	(None)	No Restriction
S9.7.1	Inlet	IMP_S8.7.1_A1 S9.702 IMP_S8.7.1_A2 IMP_S8.7.1_A3	(None)	No Restriction
S9.7.2	Inlet	IMP_S8.7.2_A1 IMP_S8.7.2_A2 IMP_S8.7.2_A3	(None)	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Report Details: Type: Junctions Storm Phase: Phase	Revision: Rev 1			

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S9.8.0	Inlet	IMP_S8.8.0_A1 S9.900 IMP_S8.8.0_A2 IMP_S8.8.0_A3 IMP_S8.8.0_A4 IMP_S8.8.0_A5 IMP_S8.8.0_A6 IMP_S8.8.0_A7 IMP_S8.8.0_A8 IMP_S8.8.0_A9 IMP_S8.8.0_A10 IMP_S8.8.0_A11 IMP_S8.8.0_A12 IMP_S8.8.0_A13 IMP_S8.8.0_A14 IMP_S8.8.0_A15 IMP_S8.8.0_A16 IMP_S8.8.0_A17 IMP_S8.8.0_A18 IMP_S8.8.0_A19 IMP_S8.8.0_A20 IMP_S8.8.0_A21 IMP_S8.8.0_A22 IMP_S8.8.0_A23 IMP_S8.8.0_A24	(None)	No Restriction
S9.9.0	Inlet	IMP_S8.9.0_A1 S9.1000 IMP_S8.9.0_A2 IMP_S8.9.0_A3	(None)	No Restriction
S9.10.0	Inlet	IMP_S8.10.0_A1 S9.1001 S9.1100 IMP_S8.10.0_A2 IMP_S8.10.0_A3 IMP_S8.10.0_A4	(None)	No Restriction
S9.10.1	Inlet	IMP_S8.10.1_A1 S9.1002 IMP_S8.10.1_A2 IMP_S8.10.1_A3 IMP_S8.10.1_A4	(None)	No Restriction
S9.10.2	Inlet	IMP_S8.10.2_A1 IMP_S8.10.2_A2 IMP_S8.10.2_A3 IMP_S8.10.2_A4	(None)	No Restriction
S9.11.0	Inlet	IMP_S8.11.0_A1 S9.1200 IMP_S8.11.0_A2 IMP_S8.11.0_A3 IMP_S8.11.0_A4 IMP_S8.11.0_A5 IMP_S8.11.0_A6 IMP_S8.11.0_A7 IMP_S8.11.0_A8 IMP_S8.11.0_A9 IMP_S8.11.0_A10 IMP_S8.11.0_A11 IMP_S8.11.0_A13 IMP_S8.11.0_A14 IMP_S8.11.0_A12	(None)	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Junctions Storm Phase: Phase	Revision: Rev 1		



Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S9.12.0	Inlet	IMP_S8.12.0_A1 S9.1201 S9.1300 IMP_S8.12.0_A2 IMP_S8.12.0_A3 IMP_S8.12.0_A4 IMP_S8.12.0_A5 IMP_S8.12.0_A6 IMP_S8.12.0_A7	(None)	No Restriction
S9.12.1	Inlet	IMP_S8.12.1_A1 S9.1202 S9.1206 IMP_S8.12.1_A2 IMP_S8.12.1_A3	(None)	No Restriction
S9.12.2	Inlet	IMP_S8.12.2_A1 S9.1203 IMP_S8.12.2_A2 IMP_S8.12.2_A3	(None)	No Restriction
S9.12.3	Inlet	IMP_S8.12.3_A1 S9.1204 IMP_S8.12.3_A2 IMP_S8.12.3_A3 IMP_S8.12.2_A4	(None)	No Restriction
S9.12.4	Inlet	IMP_S8.12.4_A1 S9.1205 IMP_S8.12.4_A2	(None)	No Restriction
S9.12.5	Inlet	IMP_S8.12.5_A1 IMP_S8.12.5_A4 IMP_S8.12.5_A6 IMP_S8.12.5_A5 IMP_S8.12.5_A2 IMP_S8.12.5_A3	(None)	No Restriction
S9.12.6	Inlet	IMP_S8.12.6_A1 S9.1207 IMP_S8.12.6_A2	(None)	No Restriction
S9.12.7	Inlet	IMP_S8.12.7_A1 IMP_S8.12.7_A2 IMP_S8.12.7_A3	(None)	No Restriction
S9.13.0	Inlet	IMP_S8.13.0_A1 S9.1400 IMP_S8.13.0_A2 IMP_S8.13.0_A3 IMP_S8.13.0_A4 IMP_S8.13.0_A5 IMP_S8.13.0_A6	(None)	No Restriction
S9.14.0	Inlet	IMP_S8.14.0_A1 S9.1500 IMP_S8.14.0_A2 IMP_S8.14.0_A4 IMP_S8.14.0_A5 IMP_S8.14.0_A6 IMP_S8.14.0_A7 IMP_S8.14.0_A3 IMP_S8.14.0_A8 IMP_S8.14.0_A9 IMP_S8.14.0_A10 IMP_S8.14.0_A11	(None)	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
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Report Details: Type: Junctions Storm Phase: Phase		Revision: Rev 1			

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S9.15.0	Inlet	IMP_S8.15.0_A1 S9.1600 IMP_S8.15.0_A2 IMP_S8.15.0_A3 IMP_S8.15.0_A4 IMP_S8.15.0_A5 IMP_S8.15.0_A6 IMP_S8.15.0_A7 IMP_S8.15.0_A8 IMP_S8.15.0_A9 IMP_S8.15.0_A10 IMP_S8.15.0_A11 IMP_S8.15.0_A12 IMP_S8.15.0_A13 IMP_S8.15.0_A14 IMP_S8.15.0_A15 IMP_S8.15.0_A16	(None)	No Restriction
S9.16.0	Inlet	IMP_S8.16.0_A1 S9.1601 S9.1700 IMP_S8.16.0_A2 IMP_S8.16.0_A3 IMP_S8.16.0_A4 IMP_S8.16.0_A5 IMP_S8.16.0_A6 IMP_S8.16.0_A7 IMP_S8.16.0_A8 IMP_S8.16.0_A9 IMP_S8.16.0_A10 IMP_S8.16.0_A11 IMP_S8.16.0_A12 IMP_S8.16.0_A13 IMP_S8.16.0_A14 IMP_S8.16.0_A15 IMP_S8.16.0_A16 IMP_S8.16.0_A17 IMP_S8.16.0_A18 IMP_S8.16.0_A19 IMP_S8.16.0_A20 IMP_S8.16.0_A21 IMP_S8.16.0_A22 IMP_S8.16.0_A23 IMP_S8.16.0_A24 IMP_S8.16.0_A25 IMP_S8.16.0_A26 IMP_S8.16.0_A27 IMP_S8.16.0_A28 IMP_S8.16.0_A29 IMP_S8.16.0_A30 IMP_S8.16.0_A31 IMP_S8.16.0_A32	(None)	No Restriction
S9.16.1	Inlet	IMP_S8.16.1_A1 S9.1602 IMP_S8.16.1_A2 IMP_S8.16.1_A3	(None)	No Restriction
S9.16.2	Inlet	IMP_S8.16.2_A1 S9.1603 IMP_S8.16.2_A2	(None)	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Report Details: Type: Junctions Storm Phase: Phase	Revision: Rev 1			

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S9.16.3	Inlet	IMP_S8.16.3 S9.1604	(None)	No Restriction
S9.16.4	Inlet	IMP_S8.16.4_A1 IMP_S8.16.4_A2 IMP_S8.16.4_A3 IMP_S8.16.4_A4	(None)	No Restriction
S9.17.0	Inlet	IMP_S8.17.0_A1 IMP_S8.17.0_A2 IMP_S8.17.0_A3	(None)	No Restriction
S10.0.0	Inlet	IMP_S9.0.0_A1 S10.001 S10.100 S11.000 IMP_S9.0.0_A2 IMP_S9.0.0_A3 IMP_S9.0.0_A4 IMP_S9.0.0_A5 IMP_S9.0.0_A6	(None)	No Restriction
S10.0.1	Inlet	IMP_S9.0.1_A1 S10.002 IMP_S9.0.1_A2 IMP_S9.0.1_A3 IMP_S9.0.1_A4	(None)	No Restriction
S10.0.2	Inlet	IMP_S9.0.2_A1 S10.003 IMP_S9.0.2_A2 IMP_S9.0.2_A3	(None)	No Restriction
S10.0.3	Inlet	IMP_S9.0.3_A1 S10.004 IMP_S9.0.3_A2 IMP_S9.0.3_A3 IMP_S9.0.3_A4 IMP_S9.0.3_A5 IMP_S9.0.3_A6 IMP_S9.0.3_A7 IMP_S9.0.3_A8 IMP_S9.0.3_A9 IMP_S9.0.3_A10 IMP_S9.0.3_A11 IMP_S9.0.3_A12 IMP_S9.0.3_A13	(None)	No Restriction
	Inlet (1)	IMP_S9.0.3_A14	(None)	No Restriction
S10.0.4	Inlet	IMP_S9.0.4_A1 S10.005 IMP_S9.0.4_A2 IMP_S9.0.4_A3 IMP_S9.0.4_A4 IMP_S9.0.4_A5 IMP_S9.0.4_A6	(None)	No Restriction
S10.0.5	Inlet	IMP_S9.0.5_A1 IMP_S9.0.5_A2 IMP_S9.0.5_A3 IMP_S9.0.5_A4 IMP_S9.0.5_A5 IMP_S9.0.5_A6 IMP_S9.0.5_A7 IMP_S9.0.5_A8 IMP_S9.0.5_A9	(None)	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
Report Details: Type: Junctions Storm Phase: Phase		Revision: Rev 1			

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S10.1.0	Inlet	IMP_S9.1.0_A1 S10.101 S10.200 IMP_S9.1.0_A2	(None)	No Restriction
S10.1.1	Inlet	IMP_S9.1.1	(None)	No Restriction
S10.2.0	Inlet	IMP_S9.2.0_A1 S10.201 S10.300 IMP_S9.2.0_A2 IMP_S9.2.0_A3 IMP_S9.2.0_A4 IMP_S9.2.0_A5 IMP_S9.2.0_A6 IMP_S9.2.0_A7 IMP_S9.2.0_A8 IMP_S9.2.0_A9 IMP_S9.2.0_A10	(None)	No Restriction
S10.2.1	Inlet	IMP_S9.2.1_A1 IMP_S9.2.1_A2 IMP_S9.2.1_A3 IMP_S9.2.1_A4 IMP_S9.2.1_A5 IMP_S9.2.1_A6	(None)	No Restriction
S10.3.0	Inlet	IMP_S9.3.0_A1 IMP_S9.3.0_A2 IMP_S9.3.0_A3 IMP_S9.3.0_A4	(None)	No Restriction
S11.0.0	Inlet	IMP_S10.0.0_A1 S11.001 S12.000 IMP_S10.0.0_A3 IMP_S10.0.0_A2	(None)	No Restriction
S11.0.1	Inlet	IMP_S10.0.1	(None)	No Restriction
S12.0.0	Inlet	IMP_S11.0.0 S13.000	(None)	No Restriction
S13.0.0	Inlet	IMP_S12.0.0 S13.001 S14.000	(None)	No Restriction
S13.0.1	Inlet	S13.002 IMP_S12.0.1_A1 IMP_S12.0.1_A2 IMP_S12.0.1_A3 IMP_S12.0.1_A4	(None)	No Restriction
S13.0.2	Inlet	IMP_S12.0.2_A1 S13.003 IMP_S12.0.2_A2 IMP_S12.0.2_A3 IMP_S12.0.2_A4	(None)	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Junctions Storm Phase: Phase	Revision: Rev 1			

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S13.0.3	Inlet	IMP_S12.0.3_A1 IMP_S12.0.3_A2 IMP_S12.0.3_A3 IMP_S12.0.3_A4 IMP_S12.0.3_A5 IMP_S12.0.3_A6 IMP_S12.0.3_A7 IMP_S12.0.3_A8 IMP_S12.0.3_A9 IMP_S12.0.3_A10 IMP_S12.0.3_A11 IMP_S12.0.3_A12	(None)	No Restriction
S14.0.0 (FC)	Inlet	S15.000 IMP_S13.0.0_A1 IMP_S13.0.0_A2 IMP_S13.0.0_A3 IMP_S13.0.0_A4 IMP_S13.0.0_A5 IMP_S13.0.0_A6 IMP_S13.0.0_A7 IMP_S13.0.0_A8 S14.001	(None)	No Restriction
S15.0.0	Inlet	IMP_S14.0.0_A1 S15.001 S15.100 S16.000 IMP_S14.0.0_A2 IMP_S14.0.0_A4 IMP_S14.0.0_A5 IMP_S14.0.0_A6 IMP_S14.0.0_A7 IMP_S14.0.0_A8 IMP_S14.0.0_A3	(None)	No Restriction
S15.0.1	Inlet	IMP_S14.0.1_A1 S15.002 IMP_S14.0.1_A2 IMP_S14.0.1_A3 IMP_S14.0.1_A4 IMP_S14.0.1_A5 IMP_S14.0.1_A6 IMP_S14.0.1_A7 IMP_S14.0.1_A8 IMP_S14.0.1_A9 IMP_S14.0.1_A10 IMP_S14.0.1_A12 IMP_S14.0.1_A11 IMP_S14.0.1_A13 IMP_S14.0.1_A14 IMP_S14.0.1_A15	(None)	No Restriction
S15.0.2 (FC)	Inlet	IMP_S14.0.2_A1 S15.012 IMP_S14.0.2_A2	(None)	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
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Report Details: Type: Junctions Storm Phase: Phase		Revision: Rev 1			

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S15.0.3	Inlet	IMP_S14.0.3_A1 S15.004 IMP_S14.0.3_A2 IMP_S14.0.3_A3 IMP_S14.0.3_A4 IMP_S14.0.3_A5 IMP_S14.0.3_A6 IMP_S14.0.3_A7 IMP_S14.0.3_A8 IMP_S14.0.3_A9 IMP_S14.0.3_A10 IMP_S14.0.3_A11 IMP_S14.0.3_A12 IMP_S14.0.3_A13 IMP_S14.0.3_A14	(None)	No Restriction
S15.0.4	Inlet	IMP_S14.0.4_A1 S15.005 IMP_S14.0.4_A2	(None)	No Restriction
S15.0.5	Inlet	IMP_S14.0.5_A1 S15.006 IMP_S14.0.5_A2 IMP_S14.0.5_A3 IMP_S14.0.5_A4	(None)	No Restriction
S15.0.6	Inlet	IMP_S14.0.6_A1 S15.007 IMP_S14.0.6_A2	(None)	No Restriction
S15.0.7	Inlet	IMP_S14.0.7_A1 S15.008 IMP_S14.0.7_A2 IMP_S14.0.7_A3 IMP_S14.0.7_A4 IMP_S14.0.7_A5 IMP_S14.0.7_A6 IMP_S14.0.7_A7	(None)	No Restriction
S15.0.8	Inlet	IMP_S14.0.8_A1 S15.009 IMP_S14.0.8_A2 IMP_S14.0.8_A3 IMP_S14.0.8_A4 IMP_S14.0.8_A5 IMP_S14.0.8_A6 IMP_S14.0.8_A7 IMP_S14.0.8_A8 IMP_S14.0.8_A9	(None)	No Restriction
S15.0.9	Inlet	IMP_S14.0.9_A1 IMP_S14.0.9_A2	(None)	No Restriction
S15.1.0	Inlet	IMP_S14.1.0_A1 S15.200 IMP_S14.1.0_A2 IMP_S14.1.0_A3 IMP_S14.1.0_A4	(None)	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Junctions Storm Phase: Phase	Revision: Rev 1		



Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S15.2.0	Inlet	IMP_S14.2.0_A1 S15.300 IMP_S14.2.0_A2 IMP_S14.2.0_A3 IMP_S14.2.0_A4 IMP_S14.2.0_A5 IMP_S14.2.0_A6 IMP_S14.2.0_A7 IMP_S14.2.0_A8 IMP_S14.2.0_A9 IMP_S14.2.0_A10 IMP_S14.2.0_A11	(None)	No Restriction
S15.3.0	Inlet	IMP_S14.3.0_A1 S15.400 IMP_S14.3.0_A2 IMP_S14.3.0_A3 IMP_S14.3.0_A4 IMP_S14.3.0_A5	(None)	No Restriction
S15.4.0	Inlet	IMP_S14.4.0_A1 S15.500 IMP_S14.4.0_A3 IMP_S14.4.0_A2 IMP_S14.4.0_A4	(None)	No Restriction
S15.5.0 (FC)	Inlet	IMP_S14.5.0_A1 S15.501 IMP_S14.5.0_A2 IMP_S14.5.0_A3 IMP_S14.5.0_A4 IMP_S14.5.0_A5	(None)	No Restriction
S15.6.0	Inlet	IMP_S14.6.0_A1 S15.700 IMP_S14.6.0_A2 IMP_S14.6.0_A3 IMP_S14.6.0_A4 IMP_S14.6.0_A5 IMP_S14.6.0_A6 IMP_S14.6.0_A7 IMP_S14.6.0_A8 IMP_S14.6.0_A9 IMP_S14.6.0_A10	(None)	No Restriction
S15.7.0	Inlet	IMP_S14.7.0_A1 S15.800 IMP_S14.7.0_A2	(None)	No Restriction
S15.8.0	Inlet	IMP_S14.8.0 S15.801 S15.900	(None)	No Restriction
S15.8.1	Inlet	IMP_S14.8.1_A1 S15.802 IMP_S14.8.1_A2 IMP_S14.8.1_A3 IMP_S14.8.1_A4 IMP_S14.8.1_A5 IMP_S14.8.1_A6 IMP_S14.8.1_A7 IMP_S14.8.1_A8 IMP_S14.8.1_A9	(None)	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
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Report Details: Type: Junctions Storm Phase: Phase		Revision: Rev 1			

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S15.8.2	Inlet	IMP_S14.8.2_A1 S15.803 IMP_S14.8.2_A2 IMP_S14.8.2_A3 IMP_S14.8.2_A4 IMP_S14.8.2_A5 IMP_S14.8.2_A6 IMP_S14.8.2_A7 IMP_S14.8.2_A8 IMP_S14.8.2_A9	(None)	No Restriction
S15.8.3	Inlet	IMP_S14.8.3_A1 S15.804 IMP_S14.8.3_A2 IMP_S14.8.3_A3	(None)	No Restriction
S15.8.4	Inlet	IMP_S14.8.4_A1 S15.805 IMP_S14.8.4_A2 IMP_S14.8.4_A3 IMP_S14.8.4_A4 IMP_S14.8.4_A5 IMP_S14.8.4_A6 IMP_S14.8.4_A7 IMP_S14.8.4_A8 IMP_S14.8.4_A9 IMP_S14.8.4_A10 IMP_S14.8.4_A11 IMP_S14.8.4_A12 IMP_S14.8.4_A13 IMP_S14.8.4_A14 IMP_S14.8.4_A15 IMP_S14.8.4_A16 IMP_S14.8.4_A17	(None)	No Restriction
S15.8.5	Inlet	IMP_S14.8.5 S15.806	(None)	No Restriction
S15.8.6	Inlet	IMP_S14.8.6_A1 S15.807 IMP_S14.8.6_A2 IMP_S14.8.6_A3 IMP_S14.8.6_A4 IMP_S14.8.6_A5 IMP_S14.8.6_A6 IMP_S14.8.6_A7 IMP_S14.8.6_A8 IMP_S14.8.6_A9 IMP_S14.8.6_A10 IMP_S14.8.6_A11 IMP_S14.8.6_A12 IMP_S14.8.6_A13 IMP_S14.8.6_A14 IMP_S14.8.6_A15	(None)	No Restriction
S15.8.7	Inlet	IMP_S14.8.7	(None)	No Restriction
S15.9.0	Inlet	S15.1000	(None)	No Restriction
S15.10.0	Inlet	S15.1100	(None)	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
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Report Details: Type: Junctions Storm Phase: Phase		Revision: Rev 1			

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S15.11.0	Inlet	S15.1200 IMP_S14.11.0_A1 IMP_S14.11.0_A2 IMP_S14.11.0_A3 IMP_S14.11.0_A4 IMP_S14.11.0_A5 IMP_S14.11.0_A6 IMP_S14.11.0_A7 IMP_S14.11.0_A8 IMP_S14.11.0_A9 IMP_S14.11.0_A10 IMP_S14.11.0_A11	(None)	No Restriction
S15.12.0	Inlet	IMP_S14.12.0_A1 S15.1300 IMP_S14.12.0_A2 IMP_S14.12.0_A3 IMP_S14.12.0_A4 IMP_S14.12.0_A5	(None)	No Restriction
S15.13.0	Inlet	IMP_S14.13.0_A1 IMP_S14.13.0_A2 IMP_S14.13.0_A3 IMP_S14.13.0_A4	(None)	No Restriction
S16.0.0	Inlet	IMP_S15.0.0_A1 S16.100 S16.500 S17.000 IMP_S15.0.0_A2 IMP_S15.0.0_A3 IMP_S15.0.0_A4	(None)	No Restriction
S16.1.0	Inlet	IMP_S15.1.0_A1 S16.200 IMP_S15.1.0_A2 IMP_S15.1.0_A3 IMP_S15.1.0_A4 IMP_S15.1.0_A5	(None)	No Restriction
S16.2.0	Inlet	IMP_S15.2.0_A1 S16.201 S16.300 IMP_S15.2.0_A2 IMP_S15.2.0_A3 IMP_S15.2.0_A4	(None)	No Restriction
S16.2.1	Inlet	IMP_S15.2.1_A1 S16.202 IMP_S15.2.1_A2	(None)	No Restriction
S16.2.2	Inlet	IMP_S15.2.2_A1 S16.203 IMP_S15.2.2_A2 IMP_S15.2.2_A3	(None)	No Restriction
S16.2.3	Inlet	IMP_S15.2.3_A1 S16.204 IMP_S15.2.3_A2	(None)	No Restriction
S16.2.4	Inlet	IMP_S15.2.4_A1 IMP_S15.2.4_A2	(None)	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Junctions Storm Phase: Phase	Revision: Rev 1		



Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S16.3.0	Inlet	IMP_S15.3.0_A1 S16.400 IMP_S15.3.0_A2 IMP_S15.3.0_A3 IMP_S15.3.0_A4 IMP_S15.3.0_A5 IMP_S15.3.0_A6 IMP_S15.3.0_A7 IMP_S15.3.0_A8 IMP_S15.3.0_A9 IMP_S15.3.0_A10 IMP_S15.3.0_A11 IMP_S15.3.0_A12	(None)	No Restriction
S16.4.0	Inlet	IMP_S15.4.0_A1 IMP_S15.4.0_A2 IMP_S15.4.0_A3 IMP_S15.4.0_A4 IMP_S15.4.0_A5 IMP_S15.4.0_A6	(None)	No Restriction
S16.5.0	Inlet	IMP_S15.5.0_A1 S16.600 IMP_S15.5.0_A2 IMP_S15.5.0_A3 IMP_S15.5.0_A4 IMP_S15.5.0_A5 IMP_S15.5.0_A6 IMP_S15.5.0_A7 IMP_S15.5.0_A8 IMP_S15.5.0_A9	(None)	No Restriction
S16.6.0	Inlet	S16.700 IMP_S15.6.0_A1 IMP_S15.6.0_A2 IMP_S15.6.0_A3	(None)	No Restriction
S16.7.0	Inlet	IMP_S15.7.0_A1 S16.701 S16.800 IMP_S15.7.0_A2 IMP_S15.7.0_A3 IMP_S15.7.0_A4	(None)	No Restriction
S16.7.1	Inlet	IMP_S15.7.1_A1 IMP_S15.7.1_A2 IMP_S15.7.1_A3 IMP_S15.7.1_A4 IMP_S15.7.1_A5 IMP_S15.7.1_A6 IMP_S15.7.1_A7 IMP_S15.7.1_A8 IMP_S15.7.1_A9 IMP_S15.7.1_A10 IMP_S15.7.1_A11 IMP_S15.7.1_A13 IMP_S15.7.1_A14 IMP_S15.7.1_A15 IMP_S15.7.1_A12	(None)	No Restriction
S16.8.0	Inlet	IMP_S15.8.0_A1_2 S16.900 IMP_S15.8.0_A1_1	(None)	No Restriction
	Inlet (1)	IMP_S15.8.0_A1_3	(None)	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
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Report Details: Type: Junctions Storm Phase: Phase		Revision: Rev 1			

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S16.10.0	Inlet	IMP_S15.9.0_A1 S16.1100 IMP_S15.9.0_A2 IMP_S15.9.0_A3 IMP_S15.9.0_A4	(None)	No Restriction
S16.11.0	Inlet	IMP_S15.10.0_A1 S16.1101 S16.1200 IMP_S15.10.0_A2 IMP_S15.10.0_A3 IMP_S15.10.0_A4 IMP_S15.10.0_A5 IMP_S15.10.0_A6 IMP_S15.10.0_A7	(None)	No Restriction
S16.11.1	Inlet	IMP_S15.10.1_A1 S16.1102 IMP_S15.10.1_A2	(None)	No Restriction
S16.11.2	Inlet	IMP_S15.10.2	(None)	No Restriction
S16.12.0	Inlet	IMP_S15.11.0_A1 S16.1300 IMP_S15.11.0_A2 IMP_S15.11.0_A3 IMP_S15.11.0_A4	(None)	No Restriction
S16.13.0	Inlet	IMP_S15.12.0_A1 IMP_S15.12.0_A2	(None)	No Restriction
S17.0.0	Inlet	IMP_S16.0.0_A1 S18.000 IMP_S16.0.0_A2 IMP_S16.0.0_A3 IMP_S16.0.0_A4 IMP_S16.0.0_A5 IMP_S16.0.0_A6 IMP_S16.0.0_A7 IMP_S16.0.0_A8 IMP_S16.0.0_A9 IMP_S16.0.0_A10 IMP_S16.0.0_A11 IMP_S16.0.0_A12 IMP_S16.0.0_A13 IMP_S16.0.0_A14 IMP_S16.0.0_A15	(None)	No Restriction
S18.0.0	Inlet	IMP_S17.0.0_A1 S18.001 S19.000 IMP_S17.0.0_A2 IMP_S17.0.0_A3 IMP_S17.0.0_A4 IMP_S17.0.0_A5 IMP_S17.0.0_A6 IMP_S17.0.0_A7 IMP_S17.0.0_A8 IMP_S17.0.0_A9	(None)	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Report Details: Type: Junctions Storm Phase: Phase	Revision: Rev 1			

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S18.0.1	Inlet	IMP_S17.0.1_A1 S18.002 IMP_S17.0.1_A2 IMP_S17.0.1_A3 IMP_S17.0.1_A4 IMP_S17.0.1_A5 IMP_S17.0.1_A6 IMP_S17.0.1_A7 IMP_S17.0.1_A8 IMP_S17.0.1_A9 IMP_S17.0.1_A10 IMP_S17.0.1_A11 IMP_S17.0.1_A12 IMP_S17.0.1_A13 IMP_S17.0.1_A14	(None)	No Restriction
S18.0.2	Inlet	IMP_S17.0.2_A1 IMP_S17.0.2_A2 IMP_S17.0.2_A3 IMP_S17.0.2_A4 IMP_S17.0.2_A5 IMP_S17.0.2_A6 IMP_S17.0.2_A7 IMP_S17.0.2_A8 IMP_S17.0.2_A9	(None)	No Restriction
S19.0.0	Inlet	IMP_S18.0.0_A1 S20.000 IMP_S18.0.0_A2 IMP_S18.0.0_A3 IMP_S18.0.0_A4 IMP_S18.0.0_A5 IMP_S18.0.0_A6 IMP_S18.0.0_A7 IMP_S18.0.0_A8 IMP_S18.0.0_A9 IMP_S18.0.0_A10	(None)	No Restriction
S20.0.0	Inlet	IMP_S19.0.0 S21.000	(None)	No Restriction
S21.0.0	Inlet	IMP_S20.0.0_A1 S22.000 IMP_S20.0.0_A2 IMP_S20.0.0_A3 IMP_S20.0.0_A4 IMP_S20.0.0_A5 IMP_S20.0.0_A6 IMP_S20.0.0_A7 IMP_S20.0.0_A8	(None)	No Restriction
S22.0.0	Inlet	IMP_S21.0.0_A1 S23.000 IMP_S21.0.0_A2 IMP_S21.0.0_A3 IMP_S21.0.0_A4 IMP_S21.0.0_A5 IMP_S21.0.0_A6	(None)	No Restriction
S23.0.0	Inlet	IMP_S22.0.0_A1 IMP_S22.0.0_A2 IMP_S22.0.0_A3 IMP_S22.0.0_A4	(None)	No Restriction
HW24.0 (Outfall)	Inlet	S24.000	(None)	No Restriction
S24.0.0	Inlet	S24.100	(None)	No Restriction

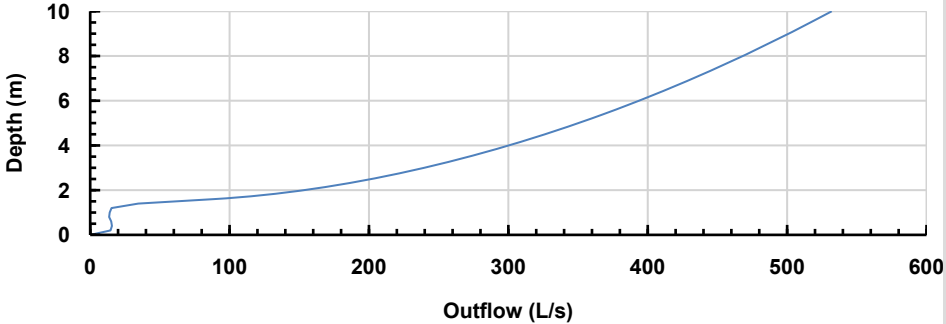
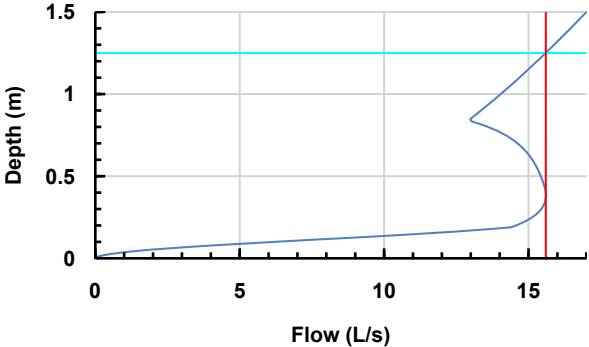
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
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Report Details: Type: Junctions Storm Phase: Phase		Revision: Rev 1			

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S24.1.0 (FC)	Inlet	IMP_S23.1.0 S24.200	(None)	No Restriction
S24.2.0	Inlet	IMP_S23.2.0_A1 S24.201 S24.300 IMP_S23.2.0_A2 IMP_S23.2.0_A3 IMP_S23.2.0_A4 IMP_S23.2.0_A5 IMP_S23.2.0_A7 IMP_S23.2.0_A8 IMP_S23.2.0_A6 IMP_S23.2.0_A9	(None)	No Restriction
S24.3.0	Inlet	IMP_S23.3.0_A1 S24.400 IMP_S23.3.0_A2	(None)	No Restriction
S24.4.0	Inlet	IMP_S23.4.0_A1 IMP_S23.4.0_A2 IMP_S23.4.0_A3 S24.500	(None)	No Restriction
S24.8.0	Inlet	S24.900 IMP_S8.4.2_A1	(None)	No Restriction
S24.9.0	Inlet	IMP_S23.9.0_A1 IMP_S23.9.0_A2 IMP_S23.9.0_A3 IMP_S23.9.0_A4 IMP_S23.9.0_A5 IMP_S23.9.0_A6	(None)	No Restriction
S16.9.0 (FC)	Inlet	S16.1000 S16.901 IMP_S15.8.0_A2 IMP_S15.8.0_A3 IMP_S15.8.0_A4 IMP_S15.8.0_A5 IMP_S15.8.0_A6 IMP_S15.8.0_A7 IMP_S15.8.0_A10 IMP_S15.8.0_A11 IMP_S15.8.0_A12 IMP_S15.8.0_A13 IMP_S15.8.0_A14 IMP_S15.8.0_A15 IMP_S15.8.0_A16 IMP_S15.8.0_A17 IMP_S15.8.0_A18 IMP_S15.8.0_A1	(None)	No Restriction

Outlets			
Junction	Outlet Name	Outgoing Connection	Outlet Type
S2.2.0	Outlet	2.200	Free Discharge
	Outlet	2.001	Multiple

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Junctions Storm Phase: Phase	Revision: Rev 1		



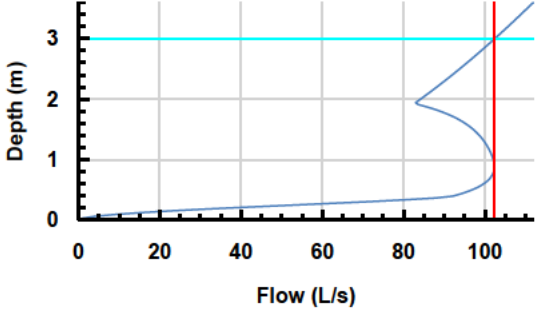
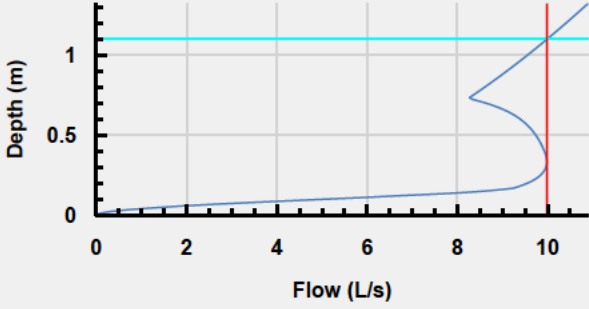
Junction	Outlet Name	Outgoing Connection	Outlet Type
	Invert Level (m)	53.990	
	Combined Outflow		
			
	Hydro-Brake®		
	Depth Above Invert (m)	0.000	
	Design Depth (m)	1.250	
	Design Flow (L/s)	15.6	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0175-1560-1250-1560	
			
	Orifice		
	Diameter (m)	0.290	
	Coefficient of Discharge	0.600	
	Depth Above Invert (m)	1.250	
S2.1.0	Outlet	2.000	Free Discharge
S2.3.0	Outlet	2.300	Free Discharge
S2.1.3	Outlet	2.101	Free Discharge
S2.1.2	Outlet	2.100	Free Discharge
S2.4.0	Outlet	S2.300	Free Discharge
S2.5.0	Outlet	S2.400	Free Discharge
S5.0.0	Outlet	S5.000	Free Discharge
S4.0.0	Outlet	S4.000	Free Discharge
S4.1.0	Outlet	S4.100	Free Discharge
S4.1.1	Outlet	S4.101	Free Discharge
S4.2.0	Outlet	S4.200	Free Discharge
S6.0.0	Outlet	S6.000	Free Discharge
S7.0.0	Outlet	S7.000	Free Discharge
S8.0.0	Outlet	S8.000	Free Discharge
S9.0.0	Outlet	S9.000	Free Discharge
S9.0.1	Outlet	S9.001	Free Discharge
S9.0.2	Outlet	S9.002	Free Discharge

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Junctions Storm Phase: Phase	Revision: Rev 1		



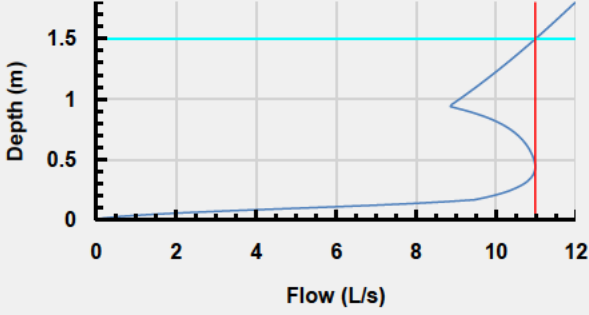
Junction	Outlet Name	Outgoing Connection	Outlet Type
S9.1.0	Outlet	S9.100	Free Discharge
S9.2.0	Outlet	S9.200	Free Discharge
S9.3.0	Outlet	S9.300	Free Discharge
S9.4.0	Outlet	S9.400	Free Discharge
S24.6.0	Outlet	S24.600	Free Discharge
S24.7.0	Outlet	S24.700	Free Discharge
S24.5.0	Outlet	S24.500	Free Discharge
S9.5.0	Outlet	S9.500	Free Discharge
S9.6.0	Outlet	S9.600	Free Discharge
S9.6.1	Outlet	S9.601	Free Discharge
S9.7.0	Outlet	S9.700	Free Discharge
S9.7.1	Outlet	S9.701	Free Discharge
S9.7.2	Outlet	S9.702	Free Discharge
S9.8.0	Outlet	S9.800	Free Discharge
S9.9.0	Outlet	S9.900	Free Discharge
S9.10.0	Outlet	S9.1000	Free Discharge
S9.10.1	Outlet	S9.1001	Free Discharge
S9.10.2	Outlet	S9.1002	Free Discharge
S9.11.0	Outlet	S9.1100	Free Discharge
S9.12.0	Outlet	S9.1200	Free Discharge
S9.12.1	Outlet	S9.1201	Free Discharge
S9.12.2	Outlet	S9.1202	Free Discharge
S9.12.3	Outlet	S9.1203	Free Discharge
S9.12.4	Outlet	S9.1204	Free Discharge
S9.12.5	Outlet	S9.1205	Free Discharge
S9.12.6	Outlet	S9.1206	Free Discharge
S9.12.7	Outlet	S9.1207	Free Discharge
S9.13.0	Outlet	S9.1300	Free Discharge
S9.14.0	Outlet	S9.1400	Free Discharge
S9.15.0	Outlet	S9.1500	Free Discharge
S9.16.0	Outlet	S9.1600	Free Discharge
S9.16.1	Outlet	S9.1601	Free Discharge
S9.16.2	Outlet	S9.1602	Free Discharge
S9.16.3	Outlet	S9.1603	Free Discharge
S9.16.4	Outlet	S9.1604	Free Discharge
S9.17.0	Outlet	S9.1700	Free Discharge
S10.0.0	Outlet	S10.000	Free Discharge
S10.0.1	Outlet	S10.001	Free Discharge
S10.0.2	Outlet	S10.002	Free Discharge
S10.0.3	Outlet	S10.003	Free Discharge
S10.0.4	Outlet	S10.004	Free Discharge
S10.0.5	Outlet	S10.005	Free Discharge
S10.1.0	Outlet	S10.100	Free Discharge
S10.1.1	Outlet	S10.101	Free Discharge
S10.2.0	Outlet	S10.200	Free Discharge
S10.2.1	Outlet	S10.201	Free Discharge
S10.3.0	Outlet	S10.300	Free Discharge
S11.0.0	Outlet	S11.000	Free Discharge
S11.0.1	Outlet	S11.001	Free Discharge
S12.0.0	Outlet	S12.000	Free Discharge
S13.0.0	Outlet	S13.000	Free Discharge
S13.0.1	Outlet	S13.001	Free Discharge
S13.0.2	Outlet	S13.002	Free Discharge
S13.0.3	Outlet	S13.003	Free Discharge
	Outlet	S14.000	Hydro-Brake®

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
Report Details: Type: Junctions Storm Phase: Phase		Revision: Rev 1			

Junction	Outlet Name	Outgoing Connection	Outlet Type
S14.0.0 (FC)	Invert Level (m)	58.820	
	Design Depth (m)	3.000	
	Design Flow (L/s)	102.5	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0372-1025-3000-1025	
			
S15.0.0	Outlet	S15.000	Free Discharge
S15.0.1	Outlet	S15.001	Free Discharge
S15.0.2 (FC)	Outlet	S15.002	Hydro-Brake®
	Invert Level (m)	60.955	
	Design Depth (m)	1.100	
	Design Flow (L/s)	10.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0144-1000-1100-1000	
			
S15.0.3	Outlet	S15.003	Free Discharge
S15.0.4	Outlet	S15.004	Free Discharge
S15.0.5	Outlet	S15.005	Free Discharge
S15.0.6	Outlet	S15.006	Free Discharge
S15.0.7	Outlet	S15.007	Free Discharge
S15.0.8	Outlet	S15.008	Free Discharge
S15.0.9	Outlet	S15.009	Free Discharge
S15.1.0	Outlet	S15.100	Free Discharge
S15.2.0	Outlet	S15.200	Free Discharge
S15.3.0	Outlet	S15.300	Free Discharge
S15.4.0	Outlet	S15.400	Free Discharge
	Outlet	S15.500	Hydro-Brake®

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Junctions Storm Phase: Phase	Revision: Rev 1		

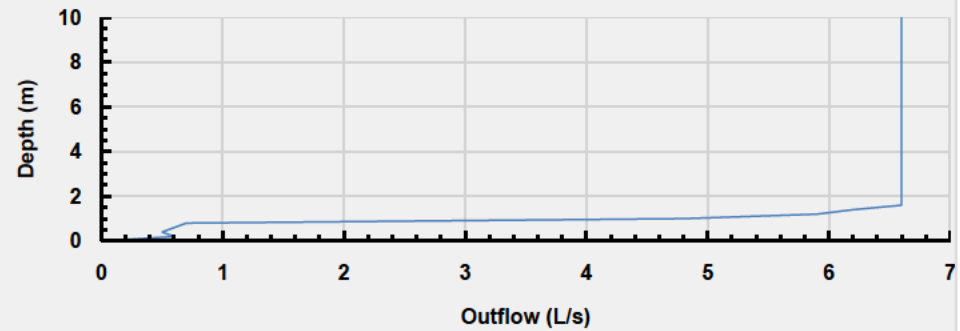


Junction	Outlet Name	Outgoing Connection	Outlet Type
S15.5.0 (FC)	Invert Level (m)	61.870	
	Design Depth (m)	1.500	
	Design Flow (L/s)	11.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0145-1100-1500-1100	
			
S15.6.0	Outlet	S15.600	Free Discharge
S15.7.0	Outlet	S15.700	Free Discharge
S15.8.0	Outlet	S15.800	Free Discharge
S15.8.1	Outlet	S15.801	Free Discharge
S15.8.2	Outlet	S15.802	Free Discharge
S15.8.3	Outlet	S15.803	Free Discharge
S15.8.4	Outlet	S15.804	Free Discharge
S15.8.5	Outlet	S15.805	Free Discharge
S15.8.6	Outlet	S15.806	Free Discharge
S15.8.7	Outlet	S15.807	Free Discharge
S15.9.0	Outlet	S15.900	Free Discharge
S15.10.0	Outlet	S15.1000	Free Discharge
S15.11.0	Outlet	S15.1100	Free Discharge
S15.12.0	Outlet	S15.1200	Free Discharge
S15.13.0	Outlet	S15.1300	Free Discharge
S16.0.0	Outlet	S16.000	Free Discharge
S16.1.0	Outlet	S16.100	Free Discharge
S16.2.0	Outlet	S16.200	Free Discharge
S16.2.1	Outlet	S16.201	Free Discharge
S16.2.2	Outlet	S16.202	Free Discharge
S16.2.3	Outlet	S16.203	Free Discharge
S16.2.4	Outlet	S16.204	Free Discharge
S16.3.0	Outlet	S16.300	Free Discharge
S16.4.0	Outlet	S16.400	Free Discharge
S16.5.0	Outlet	S16.500	Free Discharge
S16.6.0	Outlet	S16.600	Free Discharge
S16.7.0	Outlet	S16.700	Free Discharge
S16.7.1	Outlet	S16.701	Free Discharge
S16.8.0	Outlet	S16.800	Free Discharge
S16.10.0	Outlet	S16.1000	Free Discharge
S16.11.0	Outlet	S16.1100	Free Discharge
S16.11.1	Outlet	S16.1101	Free Discharge
S16.11.2	Outlet	S16.1102	Free Discharge
S16.12.0	Outlet	S16.1200	Free Discharge
S16.13.0	Outlet	S16.1300	Free Discharge
S17.0.0	Outlet	S17.000	Free Discharge
S18.0.0	Outlet	S18.000	Free Discharge
S18.0.1	Outlet	S18.001	Free Discharge
S18.0.2	Outlet	S18.002	Free Discharge
S19.0.0	Outlet	S19.000	Free Discharge
S20.0.0	Outlet	S20.000	Free Discharge
S21.0.0	Outlet	S21.000	Free Discharge

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
Report Details: Type: Junctions Storm Phase: Phase		Revision: Rev 1			

Junction	Outlet Name	Outgoing Connection	Outlet Type
S22.0.0	Outlet	S22.000	Free Discharge
S23.0.0	Outlet	S23.000	Free Discharge
S24.0.0	Outlet	S24.000	Free Discharge
	Outlet	S24.100	Multiple
	Invert Level (m)	53.780	

Combined Outflow

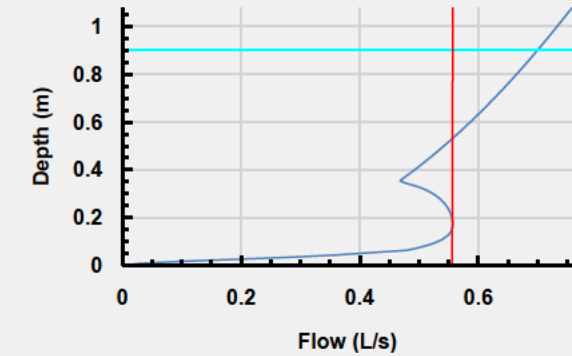


Hydro-Brake®

Depth Above Invert (m)	0.000
Design Depth (m)	0.900
Design Flow (L/s)	0.7
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☒

Unit Reference

SHE-0040-7000-0900-7000

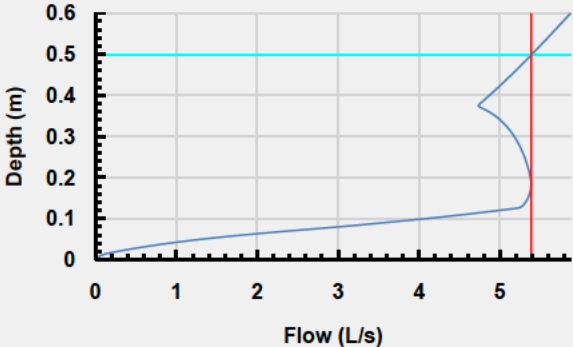
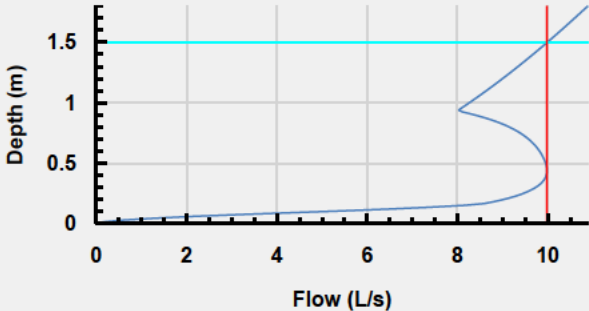


Hydro-Brake®

S24.1.0 (FC)

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Junctions Storm Phase: Phase	Revision: Rev 1		



Junction	Outlet Name	Outgoing Connection	Outlet Type
	Depth Above Invert (m) 0.900 Design Depth (m) 0.500 Design Flow (L/s) 5.4 Objective Minimise Upstream Storage Requirements Application Surface Water Only Sump Available ☒		
	Unit Reference SHE-0116-5400-0500-5400 		
S24.2.0	Outlet	S24.200	Free Discharge
S24.3.0	Outlet	S24.300	Free Discharge
S24.4.0	Outlet	S24.400	Free Discharge
S24.8.0	Outlet	S24.800	Free Discharge
S24.9.0	Outlet	S24.900	Free Discharge
	Outlet	S16.900	Hydro-Brake®
	Invert Level (m) 64.520 Design Depth (m) 1.500 Design Flow (L/s) 10.0 Objective Minimise Upstream Storage Requirements Application Surface Water Only Sump Available ☒		
	Unit Reference SHE-0138-1000-1500-1000		
S16.9.0 (FC)			

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Stormwater Controls Storm Phase: Phase	Revision: Rev 1		





Pond 2a

Type : Pond

Dimensions

Exceedance Level (m)	56.100
Depth (m)	2.090
Base Level (m)	54.010
Freeboard (mm)	300
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	17.103
Total Volume (m³)	4252.237

Depth (m)	Area (m²)	Volume (m³)
0.000	0.010	0.000
0.100	0.010	0.001
0.200	0.010	0.002
0.240	82.000	1.108
0.290	282.000	9.709
0.340	560.000	30.365
0.390	888.000	66.252
0.440	1347.000	121.730
0.490	2069.000	206.486
0.540	2553.000	321.825
0.590	2577.000	450.074
0.690	2652.000	711.515
0.790	2727.000	980.457
0.890	2803.000	1256.948
0.990	2880.000	1541.089
1.090	3122.000	1841.108
1.190	3213.000	2157.847
1.290	3305.000	2483.736
1.390	3398.000	2818.875
1.490	3492.000	3163.365
1.590	3586.000	3517.254
1.690	3676.000	3880.345
1.790	3762.000	4252.237
1.890	3849.879	4632.822
1.990	3937.976	5022.207
2.090	4026.769	5420.436

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	2.200
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	2.300
Bypass Destination	(None)
Capacity Type	No Restriction

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Report Details: Type: Stormwater Controls Storm Phase: Phase	Revision: Rev 1			

Outlets

Outlet

Outgoing Connection	2.002
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	97.360
Friction Scheme	Manning's n
n	0.03

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Revision: Rev 1			



Pond 2c

Type : Pond

Dimensions

Exceedance Level (m)	62.550
Depth (m)	1.500
Base Level (m)	61.050
Freeboard (mm)	300
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	7.231
Total Volume (m³)	175.066

Depth (m)	Area (m²)	Volume (m³)
0.000	0.001	0.000
0.100	56.874	1.904
0.200	72.008	8.333
0.300	88.138	16.327
0.400	105.263	25.984
0.500	123.384	37.405
0.600	142.501	50.687
0.700	162.613	65.932
0.800	183.721	83.238
0.900	205.825	102.705
1.000	228.924	124.432
1.100	253.019	148.519
1.200	278.109	175.066
1.300	304.195	204.171
1.400	331.277	235.935
1.500	370.818	271.021

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	S15.003
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	S15.012
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	27.470
Friction Scheme	Manning's n
n	0.03

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Revision: Rev 1			



Pond 2b

Type : Pond

Dimensions

Exceedance Level (m)	63.600
Depth (m)	1.400
Base Level (m)	62.200
Freeboard (mm)	300
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	10.832
Total Volume (m³)	444.720

Depth (m)	Area (m²)	Volume (m³)
0.000	0.001	0.000
0.100	173.413	5.794
0.200	323.084	30.234
0.300	351.714	63.964
0.400	381.113	100.596
0.500	411.282	140.206
0.600	442.221	182.872
0.700	473.929	228.670
0.800	506.408	277.678
0.900	539.656	329.972
1.000	573.674	385.630
1.100	608.293	444.720
1.200	644.019	507.327
1.300	680.347	573.537
1.400	724.160	643.751

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	S15.600
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	IMP_Pond 2b
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	S15.501
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	45.337
Friction Scheme	Manning's n
n	0.03

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Stormwater Controls Storm Phase: Phase	Revision: Rev 1		





Pond 2d

Type : Pond

Dimensions

Exceedance Level (m)	62.200
Depth (m)	1.700
Base Level (m)	60.500
Freeboard (mm)	300
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	12.604
Total Volume (m³)	717.981

Depth (m)	Area (m²)	Volume (m³)
0.000	0.001	0.000
0.100	54.203	1.815
0.200	99.775	9.398
0.300	235.018	25.663
0.400	301.816	52.435
0.500	370.178	85.976
0.600	440.106	126.440
0.700	511.599	173.981
0.800	584.657	228.753
0.900	659.280	290.912
1.000	735.469	360.615
1.100	813.223	438.017
1.200	892.542	523.275
1.300	973.426	616.544
1.400	1055.875	717.981
1.500	1139.890	827.742
1.600	1225.470	945.985
1.700	1444.787	1079.347

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	IMP_Pond 2d
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	S14.001
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	75.334
Friction Scheme	Manning's n
n	0.03

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Revision: Rev 1			



CRATES C12

Type : Cellular Storage

Dimensions

Exceedance Level (m)	55.895
Depth (m)	1.200
Base Level (m)	53.885
Number of Crates Long	20
Number of Crates Wide	22
Number of Crates High	3
Porosity (%)	95
Crate Length (m)	1
Crate Width (m)	0.5
Crate Height (m)	0.4
Total Volume (m³)	251.610

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	IMP_C12_A1 IMP_C12_A2
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	S24.201
Outlet Type	Free Discharge

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Revision: Rev 1			



CRATES C13

Type : Cellular Storage

Dimensions

Exceedance Level (m)	66.550
Depth (m)	1.200
Base Level (m)	64.540
Number of Crates Long	27
Number of Crates Wide	12
Number of Crates High	3
Porosity (%)	95
Crate Length (m)	1
Crate Width (m)	0.5
Crate Height (m)	0.4
Total Volume (m³)	185.490

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	IMP_C13
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	S16.901
Outlet Type	Free Discharge

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
Report Details: Type: Connections Storm Phase: Phase		Revision: Rev 1			

Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)
2.200	6.200	Pipe	22.143		0.6	825	56.315	54.290
2.002	5.768	Pipe	288.421		0.6	750	56.100	54.010
2.001	19.350	Pipe	322.500		0.6	450	56.350	53.990
2.000	5.672	Pipe	283.599		0.6	450	54.830	53.930
2.300	10.326	Pipe	17.502		0.6	300	56.500	54.600
2.101	13.600	Pipe	181.333		0.6	225	56.000	54.665
2.100	14.200	Pipe	189.333		0.6	225	55.830	54.590
S2.300	5.000	Pipe	200.000		0.6	300	56.490	54.625
S2.400	35.762	Pipe	113.531		0.6	225	56.800	54.940
S5.000	29.721	Pipe	110.079		0.6	750	56.680	54.580
S4.000	9.545	Pipe	477.238		0.6	825	56.165	54.310
S4.100	11.039	Pipe	19.537		0.6	300	56.590	54.875
S4.101	37.535	Pipe	30.270		0.6	225	57.240	56.115
S4.200	35.250	Pipe	293.749		0.6	300	55.980	54.995
S6.000	22.325	Pipe	153.968		0.6	750	57.075	54.725
S7.000	15.340	Pipe	153.402		0.6	750	57.350	54.825
S8.000	17.376	Pipe	151.094		0.6	750	57.660	54.940
S9.000	12.904	Pipe	198.523		0.6	750	57.885	55.005
S9.001	49.627	Pipe	74.070		0.6	300	57.705	55.675
S9.002	33.483	Pipe	111.610		0.6	225	56.915	55.975
S9.100	8.509	Pipe	32.109		0.6	675	58.055	55.270
S9.200	14.737	Pipe	128.147		0.6	675	58.050	55.385
S9.300	42.662	Pipe	105.337		0.6	600	57.600	55.790
S9.400	42.446	Pipe	128.623		0.6	600	58.060	56.120
S24.700	9.284	Pipe	66.313		0.6	225	57.970	55.605
S24.600	27.961	Pipe	223.688		0.6	300	58.080	55.465
S24.500	12.565	Pipe	209.417		0.6	300	58.190	55.340
S9.500	9.768	Pipe	61.050		0.6	525	58.290	56.280
S9.600	51.750	Pipe	107.813		0.6	525	59.900	56.760
S9.601	17.239	Pipe	11.086		0.6	225	59.740	58.315
S9.700	25.317	Pipe	32.251		0.6	450	59.575	57.545
S9.701	12.069	Pipe	26.525		0.6	225	59.645	58.000
S9.702	14.967	Pipe	42.762		0.6	225	59.475	58.350
S9.800	10.500	Pipe	39.621		0.6	450	59.690	57.810
S9.900	52.602	Pipe	45.740		0.6	450	60.955	58.960
S9.1000	9.748	Pipe	278.526		0.6	450	61.165	58.995
S9.1001	6.326	Pipe	11.935		0.6	225	61.315	59.525
S9.1002	21.681	Pipe	28.527		0.6	225	61.410	60.285
S9.1100	13.521	Pipe	300.476		0.6	450	61.385	59.040
S9.1200	34.813	Pipe	290.105		0.6	450	61.725	59.160
S9.1201	56.855	Pipe	38.158		0.6	300	62.840	60.650
S9.1202	15.297	Pipe	36.860		0.6	225	63.145	61.065
S9.1203	15.106	Pipe	45.093		0.6	225	63.220	61.400
S9.1204	10.964	Pipe	44.752		0.6	225	63.100	61.645
S9.1205	18.683	Pipe	133.454		0.6	225	62.910	61.785
S9.1206	13.221	Pipe	17.395		0.6	225	62.940	61.410
S9.1207	11.036	Pipe	20.066		0.6	225	63.085	61.960
S9.1300	19.450	Pipe	117.882		0.6	450	61.660	59.325
S9.1400	22.522	Pipe	225.220		0.6	450	61.440	59.425
S9.1500	15.576	Pipe	222.508		0.6	450	61.285	59.495
S9.1600	24.654	Pipe	224.123		0.6	450	61.255	59.605
S9.1601	55.291	Pipe	35.903		0.6	300	62.570	61.145
S9.1602	13.447	Pipe	39.551		0.6	225	62.865	61.485
S9.1603	10.681	Pipe	39.559		0.6	225	63.140	61.755
S9.1604	15.367	Pipe	40.439		0.6	225	63.260	62.135
S9.1700	40.682	Pipe	81.363		0.6	225	61.890	60.105

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Connections Storm Phase: Phase	Revision: Rev 1		



S10.000	63.275	Pipe	43.191		0.6	600	59.765	56.470
S10.001	7.958	Pipe	15.915		0.6	300	59.865	56.970
S10.002	25.104	Pipe	39.534		0.6	225	59.285	57.605
S10.003	8.030	Pipe	45.886		0.6	225	59.240	57.780
S10.004	39.456	Pipe	99.888		0.6	225	59.595	58.175
S10.005	15.922	Pipe	99.511		0.6	225	59.760	58.335
S10.100	59.865	Pipe	105.027		0.6	300	59.185	57.040
S10.101	28.177	Pipe	106.327		0.6	225	58.730	57.305
S10.200	69.342	Pipe	47.011		0.6	300	60.990	58.515
S10.201	31.613	Pipe	109.009		0.6	225	60.230	58.805
S10.300	38.843	Pipe	25.810		0.6	225	61.445	60.020
S11.000	34.873	Pipe	64.579		0.6	600	60.805	57.010
S11.001	35.958	Pipe	19.812		0.6	225	60.250	58.825
S12.000	36.378	Pipe	64.960		0.6	600	61.660	57.570
S13.000	47.411	Pipe	66.776		0.6	600	62.265	58.280
S13.001	40.261	Pipe	62.421		0.6	225	62.515	58.925
S13.002	13.802	Pipe	145.283		0.6	225	62.305	59.020
S13.003	47.933	Pipe	149.791		0.6	225	60.765	59.340
S14.000	13.388	Pipe	24.792		0.6	600	62.395	58.820
S14.001	18.108	Pipe	10.779		0.6	525	62.200	60.500
S15.000	43.016	Pipe	25.156		0.6	525	63.600	60.530
S15.001	32.464	Pipe	124.860		0.6	375	63.280	60.790
S15.002	48.560	Pipe	294.303		0.6	375	62.575	60.955
S15.012	12.541	Pipe	132.008		0.6	375	62.550	61.050
S15.003	18.923	Pipe	38.229		0.6	375	63.120	61.545
S15.004	70.230	Pipe	34.596		0.6	300	65.075	63.575
S15.005	9.394	Pipe	22.103		0.6	300	65.500	64.000
S15.006	13.732	Pipe	20.194		0.6	300	66.180	64.680
S15.007	16.899	Pipe	19.998		0.6	300	67.030	65.525
S15.008	25.502	Pipe	19.467		0.6	225	68.275	66.835
S15.009	39.072	Pipe	20.673		0.6	225	70.150	68.725
S15.100	8.274	Pipe	33.770		0.6	375	63.510	60.775
S15.200	15.736	Pipe	89.918		0.6	375	63.670	60.950
S15.300	48.922	Pipe	89.765		0.6	375	64.160	61.495
S15.400	18.461	Pipe	90.052		0.6	375	64.345	61.700
S15.500	15.177	Pipe	89.276		0.6	375	64.500	61.870
S15.501	26.239	Pipe	79.511		0.6	375	63.600	62.200
S15.600	13.068	Pipe	19.360		0.6	375	64.630	62.875
S15.700	35.607	Pipe	24.987		0.6	375	65.945	64.300
S15.800	12.589	Pipe	25.692		0.6	375	66.365	64.790
S15.801	17.897	Pipe	62.795		0.6	300	66.655	65.075
S15.802	28.981	Pipe	85.237		0.6	300	66.915	65.415
S15.803	13.600	Pipe	104.615		0.6	300	67.045	65.545
S15.804	26.445	Pipe	25.186		0.6	300	68.095	66.595
S15.805	42.256	Pipe	24.285		0.6	300	69.835	68.335
S15.806	22.630	Pipe	23.697		0.6	300	70.790	69.290
S15.807	45.519	Pipe	75.237		0.6	225	71.320	69.895
S15.900	17.218	Pipe	17.048		0.6	225	67.200	65.800
S15.1000	12.998	Pipe	19.997		0.6	225	67.875	66.450
S15.1100	9.766	Pipe	19.931		0.6	225	68.365	66.940
S15.1200	60.233	Pipe	20.011		0.6	225	71.435	69.950
S15.1300	40.895	Pipe	19.110		0.6	225	73.515	72.090
S16.000	58.861	Pipe	31.903		0.6	525	65.855	62.375
S16.100	8.316	Pipe	10.141		0.6	300	66.285	63.195
S16.200	28.152	Pipe	14.586		0.6	300	66.625	65.125
S16.201	15.501	Pipe	33.335		0.6	225	67.280	65.590
S16.202	13.547	Pipe	39.843		0.6	225	67.815	65.930
S16.203	6.495	Pipe	39.364		0.6	225	68.030	66.095
S16.204	20.063	Pipe	40.126		0.6	225	68.020	66.595
S16.300	12.046	Pipe	60.228		0.6	225	66.740	65.325

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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S16.400	28.351	Pipe	97.763		0.6	225	67.040	65.615
S16.500	11.021	Pipe	95.836		0.6	450	65.720	62.490
S16.600	36.405	Pipe	291.239		0.6	450	65.165	62.615
S16.700	14.556	Pipe	291.113		0.6	450	64.950	62.665
S16.701	28.921	Pipe	83.829		0.6	300	64.510	63.010
S16.800	21.824	Pipe	18.653		0.6	375	65.725	63.835
S16.1000	57.368	Pipe	20.024		0.6	300	68.885	67.385
S16.1100	31.477	Pipe	27.135		0.6	300	70.130	68.545
S16.1101	22.276	Pipe	99.003		0.6	225	70.150	68.770
S16.1102	14.635	Pipe	146.348		0.6	225	70.295	68.870
S16.1200	19.341	Pipe	43.956		0.6	225	70.410	68.985
S16.1300	16.309	Pipe	27.879		0.6	225	70.995	69.570
S17.000	48.301	Pipe	17.037		0.6	375	68.225	65.210
S18.000	33.047	Pipe	17.960		0.6	375	69.855	67.050
S18.001	27.181	Pipe	24.161		0.6	225	70.270	68.175
S18.002	28.698	Pipe	28.698		0.6	225	70.600	69.175
S19.000	23.072	Pipe	16.964		0.6	300	70.960	68.410
S20.000	32.237	Pipe	18.852		0.6	300	71.620	70.120
S21.000	23.212	Pipe	35.438		0.6	225	72.775	70.775
S22.000	53.503	Pipe	39.928		0.6	225	74.340	72.115
S23.000	28.027	Pipe	59.005		0.6	225	74.015	72.590
S24.000	4.829	Pipe	96.583		0.6	375	55.140	53.620
S24.100	15.853	Pipe	99.083		0.6	375	55.770	53.780
S24.200	13.962	Pipe	199.457		0.6	375	56.090	53.850
S24.201	10.277	Pipe	293.636		0.6	375	55.895	53.885
S24.300	72.621	Pipe	55.225		0.6	375	57.675	55.165
S24.400	8.920	Pipe	77.563		0.6	300	57.905	55.280
S24.800	15.693	Pipe	149.454		0.6	225	57.390	55.710
S24.900	18.181	Pipe	145.445		0.6	225	56.960	55.835
S16.900	21.632	Pipe	31.580		0.6	300	66.590	64.520
S16.901	4.000	Pipe	199.987		0.6	300	66.550	64.540

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance	Wall Thickness (mm)
2.200	56.690	54.010		None		(None)	(None)	0
2.002	56.350	53.990		None		(None)	(None)	0
2.001	54.830	53.930		None	189.5	(None)	(None)	0
2.000	54.700	53.910		None		(None)	(None)	0
2.300	56.100	54.010		None		(None)	(None)	0
2.101	55.830	54.590		None		(None)	(None)	0
2.100	56.350	54.515		Levels		(None)	(None)	0
S2.300	56.500	54.600		None		(None)	(None)	0
S2.400	56.490	54.625		None		(None)	(None)	0
S5.000	56.165	54.310		None		(None)	(None)	0
S4.000	56.315	54.290		None		(None)	(None)	0
S4.100	56.165	54.310		None		(None)	(None)	0
S4.101	56.590	54.875		None		(None)	(None)	0
S4.200	56.590	54.875		None		(None)	(None)	0
S6.000	56.680	54.580		None		(None)	(None)	0
S7.000	57.075	54.725		None		(None)	(None)	0
S8.000	57.350	54.825		None		(None)	(None)	0
S9.000	57.660	54.940		None		(None)	(None)	0
S9.001	57.885	55.005		None		(None)	(None)	0
S9.002	57.705	55.675		None		(None)	(None)	0
S9.100	57.885	55.005		None		(None)	(None)	0
S9.200	58.055	55.270		None		(None)	(None)	0
S9.300	58.050	55.385		None		(None)	(None)	0
S9.400	57.600	55.790		None		(None)	(None)	0
S24.700	58.080	55.465		None		(None)	(None)	0
S24.600	58.190	55.340		None		(None)	(None)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Connections Storm Phase: Phase	Revision: Rev 1		



S24.500	57.905	55.280	None	(None)	(None)	0
S9.500	58.060	56.120	None	(None)	(None)	0
S9.600	58.290	56.280	None	(None)	(None)	0
S9.601	59.900	56.760	None	(None)	(None)	0
S9.700	59.900	56.760	None	(None)	(None)	0
S9.701	59.575	57.545	None	(None)	(None)	0
S9.702	59.645	58.000	None	(None)	(None)	0
S9.800	59.575	57.545	None	(None)	(None)	0
S9.900	59.690	57.810	None	(None)	(None)	0
S9.1000	60.955	58.960	None	(None)	(None)	0
S9.1001	61.165	58.995	None	(None)	(None)	0
S9.1002	61.315	59.525	None	(None)	(None)	0
S9.1100	61.165	58.995	None	(None)	(None)	0
S9.1200	61.385	59.040	None	(None)	(None)	0
S9.1201	61.725	59.160	None	(None)	(None)	0
S9.1202	62.840	60.650	None	(None)	(None)	0
S9.1203	63.145	61.065	None	(None)	(None)	0
S9.1204	63.220	61.400	None	(None)	(None)	0
S9.1205	63.100	61.645	None	(None)	(None)	0
S9.1206	62.840	60.650	None	(None)	(None)	0
S9.1207	62.940	61.410	None	(None)	(None)	0
S9.1300	61.725	59.160	None	(None)	(None)	0
S9.1400	61.660	59.325	None	(None)	(None)	0
S9.1500	61.440	59.425	None	(None)	(None)	0
S9.1600	61.285	59.495	None	(None)	(None)	0
S9.1601	61.255	59.605	None	(None)	(None)	0
S9.1602	62.570	61.145	None	(None)	(None)	0
S9.1603	62.865	61.485	None	(None)	(None)	0
S9.1604	63.140	61.755	None	(None)	(None)	0
S9.1700	61.255	59.605	None	(None)	(None)	0
S10.000	57.885	55.005	None	(None)	(None)	0
S10.001	59.765	56.470	None	(None)	(None)	0
S10.002	59.865	56.970	None	(None)	(None)	0
S10.003	59.285	57.605	None	(None)	(None)	0
S10.004	59.240	57.780	None	(None)	(None)	0
S10.005	59.595	58.175	None	(None)	(None)	0
S10.100	59.765	56.470	None	(None)	(None)	0
S10.101	59.185	57.040	None	(None)	(None)	0
S10.200	59.185	57.040	None	(None)	(None)	0
S10.201	60.990	58.515	None	(None)	(None)	0
S10.300	60.990	58.515	None	(None)	(None)	0
S11.000	59.765	56.470	None	(None)	(None)	0
S11.001	60.805	57.010	None	(None)	(None)	0
S12.000	60.805	57.010	None	(None)	(None)	0
S13.000	61.660	57.570	None	(None)	(None)	0
S13.001	62.265	58.280	None	(None)	(None)	0
S13.002	62.515	58.925	None	(None)	(None)	0
S13.003	62.305	59.020	None	(None)	(None)	0
S14.000	62.265	58.280	None	111.6	(None)	0
S14.001	62.395	58.820	None	(None)	(None)	0
S15.000	62.395	58.820	None	(None)	(None)	0
S15.001	63.600	60.530	None	(None)	(None)	0
S15.002	63.280	60.790	None	10.9	(None)	0
S15.012	62.575	60.955	None	(None)	(None)	0
S15.003	62.550	61.050	None	(None)	(None)	0
S15.004	63.120	61.545	None	(None)	(None)	0
S15.005	65.075	63.575	None	(None)	(None)	0
S15.006	65.500	64.000	None	(None)	(None)	0
S15.007	66.180	64.680	None	(None)	(None)	0
S15.008	67.030	65.525	None	(None)	(None)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Connections Storm Phase: Phase	Revision: Rev 1		



S15.009	68.275	66.835	None	(None)	(None)	0
S15.100	63.600	60.530	None	(None)	(None)	0
S15.200	63.510	60.775	None	(None)	(None)	0
S15.300	63.670	60.950	None	(None)	(None)	0
S15.400	64.160	61.495	None	(None)	(None)	0
S15.500	64.345	61.700	None	12.0	(None)	0
S15.501	64.500	61.870	None	(None)	(None)	0
S15.600	63.600	62.200	None	(None)	(None)	0
S15.700	64.630	62.875	None	(None)	(None)	0
S15.800	65.945	64.300	None	(None)	(None)	0
S15.801	66.365	64.790	None	(None)	(None)	0
S15.802	66.655	65.075	None	(None)	(None)	0
S15.803	66.915	65.415	None	(None)	(None)	0
S15.804	67.045	65.545	None	(None)	(None)	0
S15.805	68.095	66.595	None	(None)	(None)	0
S15.806	69.835	68.335	None	(None)	(None)	0
S15.807	70.790	69.290	None	(None)	(None)	0
S15.900	66.365	64.790	None	(None)	(None)	0
S15.1000	67.200	65.800	None	(None)	(None)	0
S15.1100	67.875	66.450	None	(None)	(None)	0
S15.1200	68.365	66.940	None	(None)	(None)	0
S15.1300	71.435	69.950	None	(None)	(None)	0
S16.000	63.600	60.530	None	(None)	(None)	0
S16.100	65.855	62.375	None	(None)	(None)	0
S16.200	66.285	63.195	None	(None)	(None)	0
S16.201	66.625	65.125	None	(None)	(None)	0
S16.202	67.280	65.590	None	(None)	(None)	0
S16.203	67.815	65.930	None	(None)	(None)	0
S16.204	68.030	66.095	None	(None)	(None)	0
S16.300	66.625	65.125	None	(None)	(None)	0
S16.400	66.740	65.325	None	(None)	(None)	0
S16.500	65.855	62.375	None	(None)	(None)	0
S16.600	65.720	62.490	None	(None)	(None)	0
S16.700	65.165	62.615	None	(None)	(None)	0
S16.701	64.950	62.665	None	(None)	(None)	0
S16.800	64.950	62.665	None	(None)	(None)	0
S16.1000	66.590	64.520	None	(None)	(None)	0
S16.1100	68.885	67.385	None	(None)	(None)	0
S16.1101	70.130	68.545	None	(None)	(None)	0
S16.1102	70.150	68.770	None	(None)	(None)	0
S16.1200	70.130	68.545	None	(None)	(None)	0
S16.1300	70.410	68.985	None	(None)	(None)	0
S17.000	65.855	62.375	None	(None)	(None)	0
S18.000	68.225	65.210	None	(None)	(None)	0
S18.001	69.855	67.050	None	(None)	(None)	0
S18.002	70.270	68.175	None	(None)	(None)	0
S19.000	69.855	67.050	None	(None)	(None)	0
S20.000	70.960	68.410	None	(None)	(None)	0
S21.000	71.620	70.120	None	(None)	(None)	0
S22.000	72.775	70.775	None	(None)	(None)	0
S23.000	74.340	72.115	None	(None)	(None)	0
S24.000	55.030	53.570	None	(None)	(None)	0
S24.100	55.140	53.620	None	6.6	(None)	0
S24.200	55.770	53.780	None	(None)	(None)	0
S24.201	56.090	53.850	None	(None)	(None)	0
S24.300	56.090	53.850	None	(None)	(None)	0
S24.400	57.675	55.165	None	(None)	(None)	0
S24.800	57.970	55.605	None	(None)	(None)	0
S24.900	57.390	55.710	None	(None)	(None)	0
S16.900	65.725	63.835	None	10.9	(None)	0

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
Report Details: Type: Connections Storm Phase: Phase		Revision: Rev 1			

S16.901	66.590	64.520	None	(None)	(None)	0
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Name	Material	Trench Width (mm)	Bedding Material	Surrounding Material
2.200		0		
2.002		0		
2.001		0		
2.000		0		
2.300		0		
2.101		0		
2.100		0		
S2.300		0		
S2.400		0		
S5.000		0		
S4.000		0		
S4.100		0		
S4.101		0		
S4.200		0		
S6.000		0		
S7.000		0		
S8.000		0		
S9.000		0		
S9.001		0		
S9.002		0		
S9.100		0		
S9.200		0		
S9.300		0		
S9.400		0		
S24.700		0		
S24.600		0		
S24.500		0		
S9.500		0		
S9.600		0		
S9.601		0		
S9.700		0		
S9.701		0		
S9.702		0		
S9.800		0		
S9.900		0		
S9.1000		0		
S9.1001		0		
S9.1002		0		
S9.1100		0		
S9.1200		0		
S9.1201		0		
S9.1202		0		
S9.1203		0		
S9.1204		0		
S9.1205		0		
S9.1206		0		
S9.1207		0		
S9.1300		0		
S9.1400		0		
S9.1500		0		
S9.1600		0		
S9.1601		0		
S9.1602		0		
S9.1603		0		
S9.1604		0		
S9.1700		0		
S10.000		0		

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Connections Storm Phase: Phase	Revision: Rev 1		



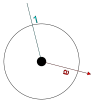
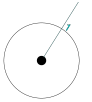
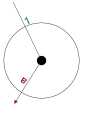
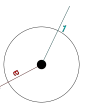
S10.001	0		
S10.002	0		
S10.003	0		
S10.004	0		
S10.005	0		
S10.100	0		
S10.101	0		
S10.200	0		
S10.201	0		
S10.300	0		
S11.000	0		
S11.001	0		
S12.000	0		
S13.000	0		
S13.001	0		
S13.002	0		
S13.003	0		
S14.000	0		
S14.001	0		
S15.000	0		
S15.001	0		
S15.002	0		
S15.012	0		
S15.003	0		
S15.004	0		
S15.005	0		
S15.006	0		
S15.007	0		
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S15.009	0		
S15.100	0		
S15.200	0		
S15.300	0		
S15.400	0		
S15.500	0		
S15.501	0		
S15.600	0		
S15.700	0		
S15.800	0		
S15.801	0		
S15.802	0		
S15.803	0		
S15.804	0		
S15.805	0		
S15.806	0		
S15.807	0		
S15.900	0		
S15.1000	0		
S15.1100	0		
S15.1200	0		
S15.1300	0		
S16.000	0		
S16.100	0		
S16.200	0		
S16.201	0		
S16.202	0		
S16.203	0		
S16.204	0		
S16.300	0		
S16.400	0		

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Connections Storm Phase: Phase	Revision: Rev 1		



S16.500	0		
S16.600	0		
S16.700	0		
S16.701	0		
S16.800	0		
S16.1000	0		
S16.1100	0		
S16.1101	0		
S16.1102	0		
S16.1200	0		
S16.1300	0		
S17.000	0		
S18.000	0		
S18.001	0		
S18.002	0		
S19.000	0		
S20.000	0		
S21.000	0		
S22.000	0		
S23.000	0		
S24.000	0		
S24.100	0		
S24.200	0		
S24.201	0		
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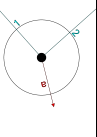
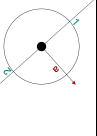
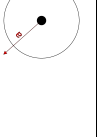
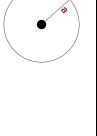
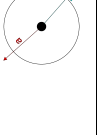
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Manhole Schedule Storm Phase: Phase	Revision: Rev 1			

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		
S2.2.0	56.315 54.290		Diameter / Length: 2.400	{1} S4.000	Pipe	54.290	Diam/Width: 825	Manhole	{a} Free Discharge	
E:519492.4 11 N:133824.9 76	2.025			{a} 2.200	Pipe	54.290	Diam/Width: 825	Not Applicable		
S2.1.1	56.350 53.990		Diameter / Length: 2.400	{1} 2.002	Pipe	53.990	Diam/Width: 750	Manhole	{a} Multiple	53.990
E:519481.4 29 N:133802.2 64	2.360			{2} 2.100	Pipe	54.515	Diam/Width: 225			
				{a} 2.001	Pipe	53.990	Diam/Width: 450	Not Applicable		
HW 2.1	54.700 53.910		Diameter / Length: 1.200	{1} 2.000	Pipe	53.910	Diam/Width: 450	Manhole		
E:519486.8 42 N:133780.0 53	0.790							Not Applicable		
S2.1.0	54.830 53.930		Diameter / Length: 1.500	{1} 2.001	Pipe	53.930	Diam/Width: 450	Manhole	{a} Free Discharge	
E:519489.8 67 N:133784.8 51	0.900			{a} 2.000	Pipe	53.930	Diam/Width: 450	Not Applicable		
S2.3.0	56.500 54.600		Diameter / Length: 1.200	{1} S2.300	Pipe	54.600	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519571.9 50 N:133836.3 43	1.900			{a} 2.300	Pipe	54.600	Diam/Width: 300	Not Applicable		

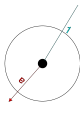
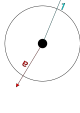
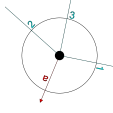
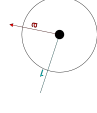
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Manhole Schedule Storm Phase: Phase	Revision: Rev 1			

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		
S2.1.3	56.000 54.665		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519473.4 81 N:133816.7 11	1.335			{a} 2.101	Pipe	54.665	Diam/Width: 225	Not Applicable		
S2.1.2	55.830 54.590		Diameter / Length: 1.200	{1} 2.101	Pipe	54.590	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519467.4 13 N:133804.5 40	1.240			{a} 2.100	Pipe	54.590	Diam/Width: 225	Not Applicable		
S2.4.0	56.490 54.625		Diameter / Length: 1.200	{1} S2.400	Pipe	54.625	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519574.1 20 N:133840.8 47	1.865			{a} S2.300	Pipe	54.625	Diam/Width: 300	Not Applicable		
S2.5.0	56.800 54.940		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519541.9 02 N:133856.3 68	1.860			{a} S2.400	Pipe	54.940	Diam/Width: 225	Not Applicable		
S5.0.0	56.680 54.580		Diameter / Length: 1.200	{1} S6.000	Pipe	54.580	Diam/Width: 750	Manhole	{a} Free Discharge	
E:519512.2 88 N:133854.0 17	2.100			{a} S5.000	Pipe	54.580	Diam/Width: 750	Not Applicable		

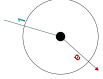
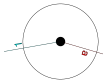
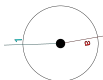
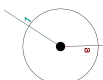
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Manhole Schedule Storm Phase: Phase	Revision: Rev 1			

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		
S4.0.0	56.165 54.310		Diameter / Length: 1.200	{1} S4.100	Pipe	54.310	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519490.104 N:133834.237	1.855			{2} S5.000	Pipe	54.310	Diam/Width: 750			
				{a} S4.000	Pipe	54.310	Diam/Width: 825	Not Applicable		
S4.1.0	56.590 54.875		Diameter / Length: 1.200	{1} S4.101	Pipe	54.875	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519482.754 N:133842.473	1.715			{2} S4.200	Pipe	54.875	Diam/Width: 300			
				{a} S4.100	Pipe	54.875	Diam/Width: 300	Not Applicable		
S4.1.1	57.240 56.115		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519510.777 N:133867.446	1.125									
				{a} S4.101	Pipe	56.115	Diam/Width: 225	Not Applicable		
S4.2.0	55.980 54.995		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519456.438 N:133819.021	0.985									
				{a} S4.200	Pipe	54.995	Diam/Width: 300	Not Applicable		
S6.0.0	57.075 54.725		Diameter / Length: 1.200	{1} S7.000	Pipe	54.725	Diam/Width: 750	Manhole	{a} Free Discharge	
E:519528.952 N:133868.874	2.350									
				{a} S6.000	Pipe	54.725	Diam/Width: 750	Not Applicable		

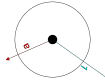
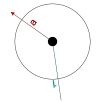
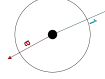
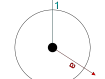
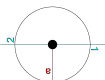
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Manhole Schedule Storm Phase: Phase	Revision: Rev 1			

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			
S7.0.0	57.350 54.825		Diameter / Length: 1.200	{1} S8.000	Pipe	54.825	Diam/Width: 750	Manhole	{a} Free Discharge		
E:519539.1 13 N:133880.3 66	2.525			{a} S7.000	Pipe	54.825	Diam/Width: 750	Not Applicable			
S8.0.0	57.660 54.940				Diameter / Length: 1.200	{1} S9.000	Pipe	54.940	Diam/Width: 750		Manhole
E:519548.1 21 N:133895.2 25	2.720	{a} S8.000	Pipe			54.940	Diam/Width: 750	Not Applicable			
S9.0.0	57.885 55.005		Diameter / Length: 1.200			{1} S9.001	Pipe	55.005	Diam/Width: 300	Manhole	{a} Free Discharge
E:519553.0 53 N:133907.1 49	2.880			{2} S9.100	Pipe	55.005	Diam/Width: 675				
				{3} S10.000	Pipe	55.005	Diam/Width: 600				
				{a} S9.000	Pipe	55.005	Diam/Width: 750	Not Applicable			
S9.0.1	57.705 55.675		Diameter / Length: 1.200	{1} S9.002	Pipe	55.675	Diam/Width: 225	Manhole	{a} Free Discharge		
E:519601.7 00 N:133897.3 39	2.030			{a} S9.001	Pipe	55.675	Diam/Width: 300	Not Applicable			

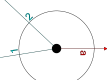
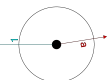
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
Report Details: Type: Manhole Schedule Storm Phase: Phase		Revision: Rev 1			

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		
S9.0.2	56.915 55.975		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519591.2 22 N:133865.5 37	0.940			{a} S9.002	Pipe	55.975	Diam/Width: 225	Not Applicable		
S9.1.0	58.055 55.270		Diameter / Length: 1.200	{1} S9.200	Pipe	55.270	Diam/Width: 675	Manhole	{a} Free Discharge	
E:519546.7 08 N:133912.8 19	2.785			{a} S9.100	Pipe	55.270	Diam/Width: 675	Not Applicable		
S9.2.0	58.050 55.385		Diameter / Length: 1.200	{1} S9.300	Pipe	55.385	Diam/Width: 600	Manhole	{a} Free Discharge	
E:519532.5 66 N:133916.9 65	2.665			{a} S9.200	Pipe	55.385	Diam/Width: 675	Not Applicable		
S9.3.0	57.600 55.790		Diameter / Length: 1.200	{1} S9.400	Pipe	55.790	Diam/Width: 600	Manhole	{a} Free Discharge	
E:519490.5 52 N:133909.5 61	1.810			{a} S9.300	Pipe	55.790	Diam/Width: 600	Not Applicable		
S9.4.0	58.060 56.120		Diameter / Length: 1.200	{1} S9.500	Pipe	56.120	Diam/Width: 525	Manhole	{a} Free Discharge	
E:519448.1 22 N:133908.3 87	1.940			{a} S9.400	Pipe	56.120	Diam/Width: 600	Not Applicable		

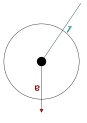
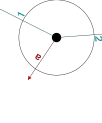
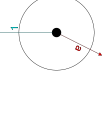
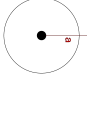
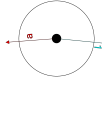
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	
Report Details: Type: Manhole Schedule Storm Phase: Phase	Revision: Rev 1		

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		
S24.6.0	58.080 55.465		Diameter / Length: 1.200	{1} S24.700	Pipe	55.465	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519444.298 N:133905.660	2.615			{a} S24.600	Pipe	55.465	Diam/Width: 300	Not Applicable		
S24.7.0	57.970 55.605		Diameter / Length: 1.200	{1} S24.800	Pipe	55.605	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519451.880 N:133900.303	2.365			{a} S24.700	Pipe	55.605	Diam/Width: 225	Not Applicable		
S24.5.0	58.190 55.340		Diameter / Length: 1.200	{1} S24.600	Pipe	55.340	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519418.685 N:133894.446	2.850			{a} S24.500	Pipe	55.340	Diam/Width: 300	Not Applicable		
S9.5.0	58.290 56.280		Diameter / Length: 1.200	{1} S9.600	Pipe	56.280	Diam/Width: 525	Manhole	{a} Free Discharge	
E:519439.913 N:133913.680	2.010			{a} S9.500	Pipe	56.280	Diam/Width: 525	Not Applicable		
S9.6.0	59.900 56.760		Diameter / Length: 1.200	{1} S9.601	Pipe	56.760	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519439.921 N:133965.430	3.140			{2} S9.700	Pipe	56.760	Diam/Width: 450			
				{a} S9.600	Pipe	56.760	Diam/Width: 525	Not Applicable		

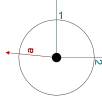
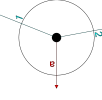
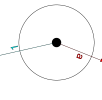
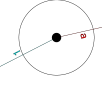
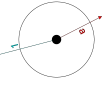
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
Report Details: Type: Manhole Schedule Storm Phase: Phase		Revision: Rev 1			

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		
S9.6.1	59.740 58.315		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519457.160 N:133965.390	1.425			{a} S9.601	Pipe	58.315	Diam/Width: 225	Not Applicable		
S9.7.0	59.575 57.545		Diameter / Length: 1.200	{1} S9.701	Pipe	57.545	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519414.604 N:133965.489	2.030			{2} S9.800	Pipe	57.545	Diam/Width: 450			
				{a} S9.700	Pipe	57.545	Diam/Width: 450	Not Applicable		
S9.7.1	59.645 58.000		Diameter / Length: 1.200	{1} S9.702	Pipe	58.000	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519402.685 N:133963.592	1.645			{a} S9.701	Pipe	58.000	Diam/Width: 225	Not Applicable		
S9.7.2	59.475 58.350		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519387.718 N:133963.592	1.125			{a} S9.702	Pipe	58.350	Diam/Width: 225	Not Applicable		
S9.8.0	59.690 57.810		Diameter / Length: 1.200	{1} S9.900	Pipe	57.810	Diam/Width: 450	Manhole	{a} Free Discharge	
E:519406.945 N:133972.671	1.880			{a} S9.800	Pipe	57.810	Diam/Width: 450	Not Applicable		

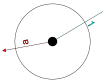
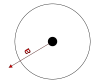
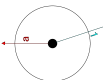
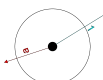
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
Report Details: Type: Manhole Schedule Storm Phase: Phase		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
		Revision: Rev 1			

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		
S9.9.0	60.955 58.960		Diameter / Length: 1.200	{1} S9.1000	Pipe	58.960	Diam/Width: 450	Manhole	{a} Free Discharge	
E:519406.945 N:134025.273	1.995			{a} S9.900	Pipe	58.960	Diam/Width: 450	Not Applicable		
S9.10.0	61.165 58.995		Diameter / Length: 1.200	{1} S9.1001	Pipe	58.995	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519412.399 N:134033.352	2.170			{2} S9.1100	Pipe	58.995	Diam/Width: 450			
				{a} S9.1000	Pipe	58.995	Diam/Width: 450	Not Applicable		
S9.10.1	61.315 59.525		Diameter / Length: 1.200	{1} S9.1002	Pipe	59.525	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519406.749 N:134036.195	1.790			{a} S9.1001	Pipe	59.525	Diam/Width: 225	Not Applicable		
S9.10.2	61.410 60.285		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519385.068 N:134036.210	1.125			{a} S9.1002	Pipe	60.285	Diam/Width: 225	Not Applicable		
S9.11.0	61.385 59.040		Diameter / Length: 1.200	{1} S9.1200	Pipe	59.040	Diam/Width: 450	Manhole	{a} Free Discharge	
E:519425.882 N:134034.372	2.345			{a} S9.1100	Pipe	59.040	Diam/Width: 450	Not Applicable		

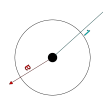
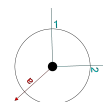
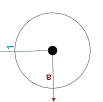
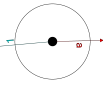
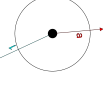
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Manhole Schedule Storm Phase: Phase	Revision: Rev 1			

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		
S9.12.0	61.725 59.160		Diameter / Length: 1.200	{1} S9.1201	Pipe	59.160	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519460.5 26 N:134030.9 42	2.565			{2} S9.1300	Pipe	59.160	Diam/Width: 450			
				{a} S9.1200	Pipe	59.160	Diam/Width: 450	Not Applicable		
S9.12.1	62.840 60.650		Diameter / Length: 1.200	{1} S9.1202	Pipe	60.650	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519460.5 26 N:134087.7 97	2.190			{2} S9.1206	Pipe	60.650	Diam/Width: 225			
				{a} S9.1201	Pipe	60.650	Diam/Width: 300	Not Applicable		
S9.12.2	63.145 61.065		Diameter / Length: 1.200	{1} S9.1203	Pipe	61.065	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519446.3 18 N:134093.4 66	2.080									
				{a} S9.1202	Pipe	61.065	Diam/Width: 225	Not Applicable		
S9.12.3	63.220 61.400		Diameter / Length: 1.200	{1} S9.1204	Pipe	61.400	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519431.5 84 N:134090.1 35	1.820									
				{a} S9.1203	Pipe	61.400	Diam/Width: 225	Not Applicable		
S9.12.4	63.100 61.645		Diameter / Length: 1.200	{1} S9.1205	Pipe	61.645	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519421.8 25 N:134085.1 36	1.455									
				{a} S9.1204	Pipe	61.645	Diam/Width: 225	Not Applicable		

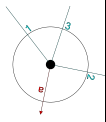
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
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Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
				Outgoing Connections				Cover		
S9.12.5	62.910 61.785		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519403.7 47 N:134080.4 21	1.125			{a} S9.1205	Pipe	61.785	Diam/Width: 225	Not Applicable		
S9.12.6	62.940 61.410		Diameter / Length: 1.200	{1} S9.1207	Pipe	61.410	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519473.5 26 N:134090.1 99	1.530			{a} S9.1206	Pipe	61.410	Diam/Width: 225	Not Applicable		
S9.12.7	63.085 61.960		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519483.0 05 N:134095.8 52	1.125			{a} S9.1207	Pipe	61.960	Diam/Width: 225	Not Applicable		
S9.13.0	61.660 59.325		Diameter / Length: 1.200	{1} S9.1400	Pipe	59.325	Diam/Width: 450	Manhole	{a} Free Discharge	
E:519479.9 76 N:134030.8 50	2.335			{a} S9.1300	Pipe	59.325	Diam/Width: 450	Not Applicable		
S9.14.0	61.440 59.425		Diameter / Length: 1.200	{1} S9.1500	Pipe	59.425	Diam/Width: 450	Manhole	{a} Free Discharge	
E:519501.3 68 N:134037.8 94	2.015			{a} S9.1400	Pipe	59.425	Diam/Width: 450	Not Applicable		

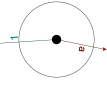
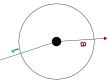
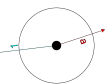
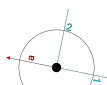
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	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Manhole Schedule Storm Phase: Phase	Revision: Rev 1			

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		
S9.15.0	61.285 59.495		Diameter / Length: 1.200	{1} S9.1600	Pipe	59.495	Diam/Width: 450	Manhole	{a} Free Discharge	
E:519514.6 35 N:134046.0 53	1.790			{a} S9.1500	Pipe	59.495	Diam/Width: 450	Not Applicable		
S9.16.0	61.255 59.605		Diameter / Length: 1.200	{1} S9.1601	Pipe	59.605	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519532.9 43 N:134062.5 65	1.650			{2} S9.1700	Pipe	59.605	Diam/Width: 225			
				{a} S9.1600	Pipe	59.605	Diam/Width: 450	Not Applicable		
S9.16.1	62.570 61.145		Diameter / Length: 1.200	{1} S9.1602	Pipe	61.145	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519531.6 23 N:134117.8 40	1.425			{a} S9.1601	Pipe	61.145	Diam/Width: 300	Not Applicable		
S9.16.2	62.865 61.485		Diameter / Length: 1.200	{1} S9.1603	Pipe	61.485	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519518.1 79 N:134117.5 19	1.380			{a} S9.1602	Pipe	61.485	Diam/Width: 225	Not Applicable		
S9.16.3	63.140 61.755		Diameter / Length: 1.200	{1} S9.1604	Pipe	61.755	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519507.5 40 N:134116.5 74	1.385			{a} S9.1603	Pipe	61.755	Diam/Width: 225	Not Applicable		

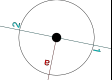
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
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Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
				Outgoing Connections				Cover		
S9.16.4	63.260 62.135		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519493.6 02 N:134110.1 04	1.125			{a} S9.1604	Pipe	62.135	Diam/Width: 225	Not Applicable		
S9.17.0	61.890 60.105		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519573.6 10 N:134063.6 52	1.785			{a} S9.1700	Pipe	60.105	Diam/Width: 225	Not Applicable		
S10.0.0	59.765 56.470		Diameter / Length: 1.200	{1} S10.001	Pipe	56.470	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519565.6 33 N:133969.1 61	3.295			{2} S10.100	Pipe	56.470	Diam/Width: 300			
				{3} S11.000	Pipe	56.470	Diam/Width: 600			
				{a} S10.000	Pipe	56.470	Diam/Width: 600	Not Applicable		
S10.0.1	59.865 56.970		Diameter / Length: 1.200	{1} S10.002	Pipe	56.970	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519560.7 75 N:133975.4 64	2.895			{a} S10.001	Pipe	56.970	Diam/Width: 300	Not Applicable		

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Report Details: Type: Manhole Schedule Storm Phase: Phase		Revision: Rev 1			

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		
S10.0.2	59.285 57.605		Diameter / Length: 1.200	{1} S10.003	Pipe	57.605	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519536.172 N:133980.455	1.680			{a} S10.002	Pipe	57.605	Diam/Width: 225	Not Applicable		
S10.0.3	59.240 57.780		Diameter / Length: 1.200	{1} S10.004	Pipe	57.780	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519528.159 N:133979.932	1.460			{a} S10.003	Pipe	57.780	Diam/Width: 225	Not Applicable		
S10.0.4	59.595 58.175		Diameter / Length: 1.200	{1} S10.005	Pipe	58.175	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519490.677 N:133967.608	1.420			{a} S10.004	Pipe	58.175	Diam/Width: 225	Not Applicable		
S10.0.5	59.760 58.335		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519474.870 N:133965.704	1.425			{a} S10.005	Pipe	58.335	Diam/Width: 225	Not Applicable		
S10.1.0	59.185 57.040		Diameter / Length: 1.200	{1} S10.101	Pipe	57.040	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519624.307 N:133957.278	2.145			{2} S10.200	Pipe	57.040	Diam/Width: 300			
				{a} S10.100	Pipe	57.040	Diam/Width: 300	Not Applicable		

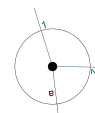
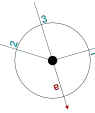
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
				Outgoing Connections				Cover		
S10.1.1	58.730 57.305		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519651.9 23 N:133951.6 85	1.425			{a} S10.101	Pipe	57.305	Diam/Width: 225	Not Applicable		
S10.2.0	60.990 58.515		Diameter / Length: 1.200	{1} S10.201	Pipe	58.515	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519638.0 94 N:134025.2 35	2.475			{2} S10.300	Pipe	58.515	Diam/Width: 225			
				{a} S10.200	Pipe	58.515	Diam/Width: 300	Not Applicable		
S10.2.1	60.230 58.805		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519669.0 76 N:134018.9 50	1.425			{a} S10.201	Pipe	58.805	Diam/Width: 225	Not Applicable		
S10.3.0	61.445 60.020		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519600.0 26 N:134032.9 58	1.425			{a} S10.300	Pipe	60.020	Diam/Width: 225	Not Applicable		
S11.0.0	60.805 57.010		Diameter / Length: 1.200	{1} S11.001	Pipe	57.010	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519576.6 68 N:134002.2 42	3.795			{2} S12.000	Pipe	57.010	Diam/Width: 600			
				{a} S11.000	Pipe	57.010	Diam/Width: 600	Not Applicable		

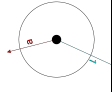
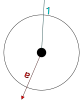
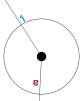
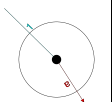
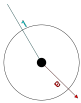
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
Report Details: Type: Manhole Schedule Storm Phase: Phase		Revision: Rev 1			

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		
S11.0.1	60.250 58.825		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519542.9 16 N:134014.6 43	1.425			{a} S11.001	Pipe	58.825	Diam/Width: 225	Not Applicable		
S12.0.0	61.660 57.570		Diameter / Length: 1.200	{1} S13.000	Pipe	57.570	Diam/Width: 600	Manhole	{a} Free Discharge	
E:519589.2 12 N:134036.3 89	4.090			{a} S12.000	Pipe	57.570	Diam/Width: 600	Not Applicable		
S13.0.0	62.265 58.280		Diameter / Length: 1.200	{1} S13.001	Pipe	58.280	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519588.4 01 N:134083.7 94	3.985			{2} S14.000	Pipe	58.280	Diam/Width: 600			
				{a} S13.000	Pipe	58.280	Diam/Width: 600	Not Applicable		
S13.0.1	62.515 58.925		Diameter / Length: 1.200	{1} S13.002	Pipe	58.925	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519628.6 45 N:134084.9 55	3.590			{a} S13.001	Pipe	58.925	Diam/Width: 225	Not Applicable		
S13.0.2	62.305 59.020		Diameter / Length: 1.200	{1} S13.003	Pipe	59.020	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519642.3 40 N:134083.2 39	3.285			{a} S13.002	Pipe	59.020	Diam/Width: 225	Not Applicable		

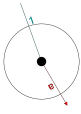
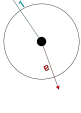
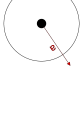
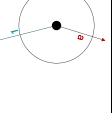
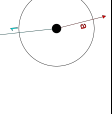
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Manhole Schedule Storm Phase: Phase	Revision: Rev 1			

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		
S13.0.3	60.765 59.340		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519687.9 97 N:134068.6 44	1.425			{a} S13.003	Pipe	59.340	Diam/Width: 225	Not Applicable		
S14.0.0 (FC)	62.395 58.820		Diameter / Length: 1.200	{1} S15.000	Pipe	58.820	Diam/Width: 525	Manhole	{a} Hydro-Brake®	58.820
E:519586.8 39 N:134097.0 90	3.575			{2} S14.001	Pipe	58.820	Diam/Width: 525			
				{a} S14.000	Pipe	58.820	Diam/Width: 600	Not Applicable		
S15.0.0	63.600 60.530		Diameter / Length: 1.200	{1} S15.001	Pipe	60.530	Diam/Width: 375	Manhole	{a} Free Discharge	
E:519573.9 48 N:134138.1 29	3.070			{2} S15.100	Pipe	60.530	Diam/Width: 375			
				{3} S16.000	Pipe	60.530	Diam/Width: 525			
				{a} S15.000	Pipe	60.530	Diam/Width: 525	Not Applicable		
S15.0.1	63.280 60.790		Diameter / Length: 1.200	{1} S15.002	Pipe	60.790	Diam/Width: 375	Manhole	{a} Free Discharge	
E:519605.1 23 N:134147.1 87	2.490			{a} S15.001	Pipe	60.790	Diam/Width: 375	Not Applicable		

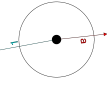
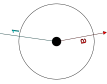
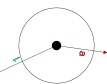
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
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Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection 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		
S15.0.2 (FC)	62.575 60.955		Diameter / Length: 1.200	{1} S15.012	Pipe	60.955	Diam/Width: 375	Manhole	{a} Hydro-Brake®	60.955
E:519652.171 N:134159.209	1.620			{a} S15.002	Pipe	60.955	Diam/Width: 375	Not Applicable		
S15.0.3	63.120 61.545		Diameter / Length: 1.200	{1} S15.004	Pipe	61.545	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519681.063 N:134173.409	1.575			{a} S15.003	Pipe	61.545	Diam/Width: 375	Not Applicable		
S15.0.4	65.075 63.575		Diameter / Length: 1.200	{1} S15.005	Pipe	63.575	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519684.707 N:134243.545	1.500			{a} S15.004	Pipe	63.575	Diam/Width: 300	Not Applicable		
S15.0.5	65.500 64.000		Diameter / Length: 1.200	{1} S15.006	Pipe	64.000	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519679.629 N:134251.448	1.500			{a} S15.005	Pipe	64.000	Diam/Width: 300	Not Applicable		
S15.0.6	66.180 64.680		Diameter / Length: 1.200	{1} S15.007	Pipe	64.680	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519669.823 N:134261.061	1.500			{a} S15.006	Pipe	64.680	Diam/Width: 300	Not Applicable		

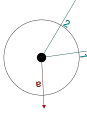
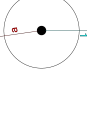
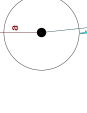
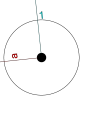
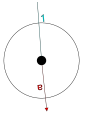
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
Report Details: Type: Manhole Schedule Storm Phase: Phase		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
		Revision: Rev 1			

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		
S15.0.7	67.030 65.525		Diameter / Length: 1.200	{1} S15.008	Pipe	65.525	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519661.282 N:134275.642	1.505			{a} S15.007	Pipe	65.525	Diam/Width: 300	Not Applicable		
S15.0.8	68.275 66.835		Diameter / Length: 1.200	{1} S15.009	Pipe	66.835	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519652.617 N:134299.626	1.440			{a} S15.008	Pipe	66.835	Diam/Width: 225	Not Applicable		
S15.0.9	70.150 68.725		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519630.598 N:134331.902	1.425			{a} S15.009	Pipe	68.725	Diam/Width: 225	Not Applicable		
S15.1.0	63.510 60.775		Diameter / Length: 1.200	{1} S15.200	Pipe	60.775	Diam/Width: 375	Manhole	{a} Free Discharge	
E:519566.042 N:134140.568	2.735			{a} S15.100	Pipe	60.775	Diam/Width: 375	Not Applicable		
S15.2.0	63.670 60.950		Diameter / Length: 1.200	{1} S15.300	Pipe	60.950	Diam/Width: 375	Manhole	{a} Free Discharge	
E:519550.788 N:134136.704	2.720			{a} S15.200	Pipe	60.950	Diam/Width: 375	Not Applicable		

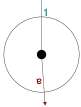
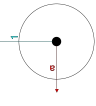
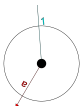
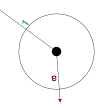
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Manhole Schedule Storm Phase: Phase	Revision: Rev 1			

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		
S15.3.0	64.160 61.495		Diameter / Length: 1.200	{1} S15.400	Pipe	61.495	Diam/Width: 375	Manhole	{a} Free Discharge	
E:519502.1 60 N:134131.3 56	2.665			{a} S15.300	Pipe	61.495	Diam/Width: 375	Not Applicable		
S15.4.0	64.345 61.700		Diameter / Length: 1.200	{1} S15.500	Pipe	61.700	Diam/Width: 375	Manhole	{a} Free Discharge	
E:519484.0 04 N:134128.0 14	2.645			{a} S15.400	Pipe	61.700	Diam/Width: 375	Not Applicable		
S15.5.0 (FC)	64.500 61.870		Diameter / Length: 1.200	{1} S15.501	Pipe	61.870	Diam/Width: 375	Manhole	{a} Hydro-Brake®	61.870
E:519468.9 78 N:134130.1 50	2.630			{a} S15.500	Pipe	61.870	Diam/Width: 375	Not Applicable		
S15.6.0	64.630 62.875		Diameter / Length: 1.200	{1} S15.700	Pipe	62.875	Diam/Width: 375	Manhole	{a} Free Discharge	
E:519414.3 21 N:134131.7 53	1.755			{a} S15.600	Pipe	62.875	Diam/Width: 375	Not Applicable		
S15.7.0	65.945 64.300		Diameter / Length: 1.200	{1} S15.800	Pipe	64.300	Diam/Width: 375	Manhole	{a} Free Discharge	
E:519408.0 14 N:134166.7 98	1.645			{a} S15.700	Pipe	64.300	Diam/Width: 375	Not Applicable		

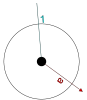
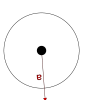
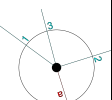
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Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
				Outgoing Connections				Cover		
S15.8.0	66.365 64.790		Diameter / Length: 1.200	{1} S15.801	Pipe	64.790	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519407.379 N:134179.370	1.575			{2} S15.900	Pipe	64.790	Diam/Width: 225			
				{a} S15.800	Pipe	64.790	Diam/Width: 375	Not Applicable		
S15.8.1	66.655 65.075		Diameter / Length: 1.200	{1} S15.802	Pipe	65.075	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519425.096 N:134181.905	1.580									
				{a} S15.801	Pipe	65.075	Diam/Width: 300	Not Applicable		
S15.8.2	66.915 65.415		Diameter / Length: 1.200	{1} S15.803	Pipe	65.415	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519454.076 N:134181.726	1.500									
				{a} S15.802	Pipe	65.415	Diam/Width: 300	Not Applicable		
S15.8.3	67.045 65.545		Diameter / Length: 1.200	{1} S15.804	Pipe	65.545	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519467.600 N:134183.155	1.500									
				{a} S15.803	Pipe	65.545	Diam/Width: 300	Not Applicable		
S15.8.4	68.095 66.595		Diameter / Length: 1.200	{1} S15.805	Pipe	66.595	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519464.823 N:134209.453	1.500									
				{a} S15.804	Pipe	66.595	Diam/Width: 300	Not Applicable		

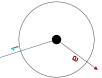
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
				Outgoing Connections				Cover		
S15.8.5	69.835 68.335		Diameter / Length: 1.200	{1} S15.806	Pipe	68.335	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519461.805 N:134251.602	1.500			{a} S15.805	Pipe	68.335	Diam/Width: 300	Not Applicable		
S15.8.6	70.790 69.290		Diameter / Length: 1.200	{1} S15.807	Pipe	69.290	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519461.656 N:134274.231	1.500			{a} S15.806	Pipe	69.290	Diam/Width: 300	Not Applicable		
S15.8.7	71.320 69.895		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519416.138 N:134274.068	1.425			{a} S15.807	Pipe	69.895	Diam/Width: 225	Not Applicable		
S15.9.0	67.200 65.800		Diameter / Length: 1.200	{1} S15.1000	Pipe	65.800	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519416.166 N:134194.178	1.400			{a} S15.900	Pipe	65.800	Diam/Width: 225	Not Applicable		
S15.10.0	67.875 66.450		Diameter / Length: 1.200	{1} S15.1100	Pipe	66.450	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519415.233 N:134207.142	1.425			{a} S15.1000	Pipe	66.450	Diam/Width: 225	Not Applicable		

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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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		
S15.11.0	68.365 66.940		Diameter / Length: 1.200	{1} S15.1200	Pipe	66.940	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519407.3 53 N:134212.9 11	1.425			{a} S15.1100	Pipe	66.940	Diam/Width: 225	Not Applicable		
S15.12.0	71.435 69.950		Diameter / Length: 1.200	{1} S15.1300	Pipe	69.950	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519402.5 20 N:134272.9 49	1.485			{a} S15.1200	Pipe	69.950	Diam/Width: 225	Not Applicable		
S15.13.0	73.515 72.090		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519399.5 09 N:134313.7 33	1.425			{a} S15.1300	Pipe	72.090	Diam/Width: 225	Not Applicable		
S16.0.0	65.855 62.375		Diameter / Length: 1.200	{1} S16.100	Pipe	62.375	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519556.3 08 N:134194.2 85	3.480			{2} S16.500	Pipe	62.375	Diam/Width: 450			
				{3} S17.000	Pipe	62.375	Diam/Width: 375			
				{a} S16.000	Pipe	62.375	Diam/Width: 525	Not Applicable		

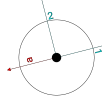
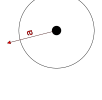
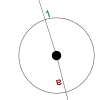
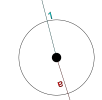
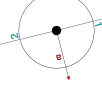
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
Report Details: Type: Manhole Schedule Storm Phase: Phase		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
		Revision: Rev 1			

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		
S16.1.0	66.285 63.195		Diameter / Length: 1.200	{1} S16.200	Pipe	63.195	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519549.605 N:134199.207	3.090			{a} S16.100	Pipe	63.195	Diam/Width: 300	Not Applicable		
S16.2.0	66.625 65.125		Diameter / Length: 1.200	{1} S16.201	Pipe	65.125	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519522.787 N:134190.644	1.500			{2} S16.300	Pipe	65.125	Diam/Width: 225			
				{a} S16.200	Pipe	65.125	Diam/Width: 300	Not Applicable		
S16.2.1	67.280 65.590		Diameter / Length: 1.200	{1} S16.202	Pipe	65.590	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519516.556 N:134204.837	1.690			{a} S16.201	Pipe	65.590	Diam/Width: 225	Not Applicable		
S16.2.2	67.815 65.930		Diameter / Length: 1.200	{1} S16.203	Pipe	65.930	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519515.203 N:134218.316	1.885			{a} S16.202	Pipe	65.930	Diam/Width: 225	Not Applicable		
S16.2.3	68.030 66.095		Diameter / Length: 1.200	{1} S16.204	Pipe	66.095	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519519.275 N:134223.375	1.935			{a} S16.203	Pipe	66.095	Diam/Width: 225	Not Applicable		

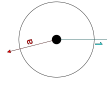
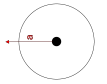
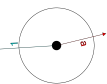
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
Report Details: Type: Manhole Schedule Storm Phase: Phase		Revision: Rev 1			

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		
S16.2.4	68.020 66.595		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519538.6 68 N:134228.5 18	1.425			{a} S16.204	Pipe	66.595	Diam/Width: 225	Not Applicable		
S16.3.0	66.740 65.325		Diameter / Length: 1.200	{1} S16.400	Pipe	65.325	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519511.8 32 N:134185.6 37	1.415			{a} S16.300	Pipe	65.325	Diam/Width: 225	Not Applicable		
S16.4.0	67.040 65.615		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519483.6 37 N:134182.6 59	1.425			{a} S16.400	Pipe	65.615	Diam/Width: 225	Not Applicable		
S16.5.0	65.720 62.490		Diameter / Length: 1.200	{1} S16.600	Pipe	62.490	Diam/Width: 450	Manhole	{a} Free Discharge	
E:519566.8 23 N:134197.5 87	3.230			{a} S16.500	Pipe	62.490	Diam/Width: 450	Not Applicable		
S16.6.0	65.165 62.615		Diameter / Length: 1.200	{1} S16.700	Pipe	62.615	Diam/Width: 450	Manhole	{a} Free Discharge	
E:519602.8 24 N:134202.9 94	2.550			{a} S16.600	Pipe	62.615	Diam/Width: 450	Not Applicable		

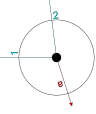
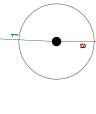
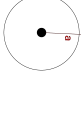
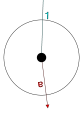
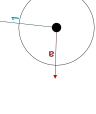
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	
Report Details: Type: Manhole Schedule Storm Phase: Phase	Revision: Rev 1		

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		
S16.7.0	64.950 62.665		Diameter / Length: 1.200	{1} S16.701	Pipe	62.665	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519616.9 27 N:134206.5 95	2.285			{2} S16.800	Pipe	62.665	Diam/Width: 375			
				{a} S16.700	Pipe	62.665	Diam/Width: 450	Not Applicable		
S16.7.1	64.510 63.010		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519644.9 49 N:134213.7 50	1.500			{a} S16.701	Pipe	63.010	Diam/Width: 300	Not Applicable		
S16.8.0	65.725 63.835		Diameter / Length: 1.200	{1} S16.900	Pipe	63.835	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519611.5 28 N:134227.7 41	1.890			{a} S16.800	Pipe	63.835	Diam/Width: 375	Not Applicable		
S16.10.0	68.885 67.385		Diameter / Length: 1.200	{1} S16.1100	Pipe	67.385	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519587.6 07 N:134303.0 32	1.500			{a} S16.1000	Pipe	67.385	Diam/Width: 300	Not Applicable		
S16.11.0	70.130 68.545		Diameter / Length: 1.200	{1} S16.1101	Pipe	68.545	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519579.8 26 N:134333.5 32	1.585			{2} S16.1200	Pipe	68.545	Diam/Width: 225			
				{a} S16.1100	Pipe	68.545	Diam/Width: 300	Not Applicable		

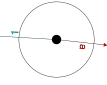
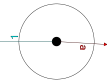
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Manhole Schedule Storm Phase: Phase	Revision: Rev 1			

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		
S16.11.1	70.150 68.770		Diameter / Length: 1.200	{1} S16.1102	Pipe	68.770	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519601.4 11 N:134339.0 38	1.380			{a} S16.1101	Pipe	68.770	Diam/Width: 225	Not Applicable		
S16.11.2	70.295 68.870		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519616.0 45 N:134339.1 31	1.425			{a} S16.1102	Pipe	68.870	Diam/Width: 225	Not Applicable		
S16.12.0	70.410 68.985		Diameter / Length: 1.200	{1} S16.1300	Pipe	68.985	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519561.0 30 N:134328.9 73	1.425			{a} S16.1200	Pipe	68.985	Diam/Width: 225	Not Applicable		
S16.13.0	70.995 69.570		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519544.7 54 N:134327.9 51	1.425			{a} S16.1300	Pipe	69.570	Diam/Width: 225	Not Applicable		
S17.0.0	68.225 65.210		Diameter / Length: 1.200	{1} S18.000	Pipe	65.210	Diam/Width: 375	Manhole	{a} Free Discharge	
E:519544.0 09 N:134240.9 93	3.015			{a} S17.000	Pipe	65.210	Diam/Width: 375	Not Applicable		

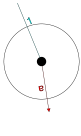
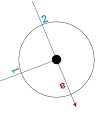
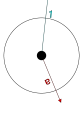
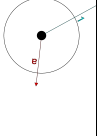
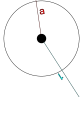
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Manhole Schedule Storm Phase: Phase	Revision: Rev 1			

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		
S18.0.0	69.855 67.050		Diameter / Length: 1.200	{1} S18.001	Pipe	67.050	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519534.005 N:134272.490	2.805			{2} S19.000	Pipe	67.050	Diam/Width: 300			
				{a} S18.000	Pipe	67.050	Diam/Width: 375	Not Applicable		
S18.0.1	70.270 68.175		Diameter / Length: 1.200	{1} S18.002	Pipe	68.175	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519506.823 N:134272.490	2.095									
				{a} S18.001	Pipe	68.175	Diam/Width: 225	Not Applicable		
S18.0.2	70.600 69.175		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519478.156 N:134273.823	1.425									
				{a} S18.002	Pipe	69.175	Diam/Width: 225	Not Applicable		
S19.0.0	70.960 68.410		Diameter / Length: 1.200	{1} S20.000	Pipe	68.410	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519531.142 N:134295.383	2.550									
				{a} S19.000	Pipe	68.410	Diam/Width: 300	Not Applicable		
S20.0.0	71.620 70.120		Diameter / Length: 1.200	{1} S21.000	Pipe	70.120	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519532.049 N:134327.607	1.500									
				{a} S20.000	Pipe	70.120	Diam/Width: 300	Not Applicable		

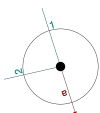
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
Report Details: Type: Manhole Schedule Storm Phase: Phase		Designed by: J. Dunesby	Checked by: W. Nienaber		
		Approved By: W. Nienaber			
		Revision: Rev 1			

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		
S21.0.0	72.775 70.775		Diameter / Length: 1.200	{1} S22.000	Pipe	70.775	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519508.979 N:134330.172	2.000			{a} S21.000	Pipe	70.775	Diam/Width: 225	Not Applicable		
S22.0.0	74.340 72.115		Diameter / Length: 1.200	{1} S23.000	Pipe	72.115	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519455.567 N:134333.301	2.225			{a} S22.000	Pipe	72.115	Diam/Width: 225	Not Applicable		
S23.0.0	74.015 72.590		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519427.540 N:134333.370	1.425			{a} S23.000	Pipe	72.590	Diam/Width: 225	Not Applicable		
HW24.0 (Outfall)	55.030 53.570		Diameter / Length: 1.200	{1} S24.000	Pipe	53.570	Diam/Width: 375	Manhole		
E:519442.106 N:133779.021	1.460							Not Applicable		
S24.0.0	55.140 53.620		Diameter / Length: 1.200	{1} S24.100	Pipe	53.620	Diam/Width: 375	Manhole	{a} Free Discharge	
E:519442.121 N:133783.851	1.520			{a} S24.000	Pipe	53.620	Diam/Width: 375	Not Applicable		

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Manhole Schedule Storm Phase: Phase	Revision: Rev 1			

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		
S24.1.0 (FC)	55.770 53.780		Diameter / Length: 1.200	{1} S24.200	Pipe	53.780	Diam/Width: 375	Manhole	{a} Multiple	53.780
E:519439.7 64 N:133799.5 28	1.990			{a} S24.100	Pipe	53.780	Diam/Width: 375	Not Applicable		
S24.2.0	56.090 53.850		Diameter / Length: 1.200	{1} S24.201	Pipe	53.850	Diam/Width: 375	Manhole	{a} Free Discharge	
E:519434.4 31 N:133812.4 31	2.240			{2} S24.300	Pipe	53.850	Diam/Width: 375			
				{a} S24.200	Pipe	53.850	Diam/Width: 375	Not Applicable		
S24.3.0	57.675 55.165		Diameter / Length: 1.200	{1} S24.400	Pipe	55.165	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519406.6 91 N:133879.5 45	2.510			{a} S24.300	Pipe	55.165	Diam/Width: 375	Not Applicable		
S24.4.0	57.905 55.280		Diameter / Length: 1.200	{1} S24.500	Pipe	55.280	Diam/Width: 300	Manhole	{a} Free Discharge	
E:519407.6 63 N:133888.4 12	2.625			{a} S24.400	Pipe	55.280	Diam/Width: 300	Not Applicable		
S24.8.0	57.390 55.710		Diameter / Length: 1.200	{1} S24.900	Pipe	55.710	Diam/Width: 225	Manhole	{a} Free Discharge	
E:519454.1 51 N:133884.7 76	1.680			{a} S24.800	Pipe	55.710	Diam/Width: 225	Not Applicable		

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
Report Details: Type: Manhole Schedule Storm Phase: Phase		Revision: Rev 1			

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		
S24.9.0	56.960 55.835		Diameter / Length: 1.200					Manhole	{a} Free Discharge	
E:519463.9 92 N:133869.4 89	1.125			{a} S24.900	Pipe	55.835	Diam/Width: 225	Not Applicable		
S16.9.0 (FC)	66.590 64.520		Diameter / Length: 1.200	{1} S16.1000	Pipe	64.520	Diam/Width: 300	Manhole	{a} Hydro-Brake®	64.520
E:519604.9 78 N:134248.3 57	2.070			{2} S16.901	Pipe	64.520	Diam/Width: 300			
				{a} S16.900	Pipe	64.520	Diam/Width: 300	Not Applicable		

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflow Summary Storm Phase: Phase		Revision: Rev 1	



Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
IMP_C12_A1	CRATES C12		Time of Concentration	0.038	100	0.0	100.0	0.038
IMP_C12_A2	CRATES C12		Time of Concentration	0.037	100	7.1	107.1	0.040
IMP_C13	CRATES C13		Time of Concentration	0.045	100	0.0	100.0	0.045
IMP_Pond 2b	Pond 2b		Time of Concentration	0.006	100	0.0	100.0	0.006
IMP_Pond 2d	Pond 2d		Time of Concentration	0.118	100	0.0	100.0	0.118
IMP_S2.4.0_A1	S2.4.0		Time of Concentration	0.017	100	0.0	100.0	0.017
IMP_S2.4.0_A2	S2.4.0		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S2.4.0_A3	S2.4.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S2.4.0_A4	S2.4.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S2.4.0_A5	S2.4.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S2.4.0_A6	S2.4.0		Time of Concentration	0.009	100	7.2	107.2	0.009
IMP_S2.4.0_A7	S2.4.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S2.4.0_A8	S2.4.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S2.4.0_A9	S2.4.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S2.4.0_A10	S2.4.0		Time of Concentration	0.009	100	7.2	107.2	0.009
IMP_S2.4.0_A11	S2.4.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S2.5.0_A1	S2.5.0		Time of Concentration	0.005	100	0.0	100.0	0.005
IMP_S2.5.0_A2	S2.5.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S4.0.0	S5.0.0		Time of Concentration	0.032	100	0.0	100.0	0.032
IMP_S4.1.0	S4.0.0		Time of Concentration	0.057	100	0.0	100.0	0.057
IMP_S4.2.0_A1	S4.1.0		Time of Concentration	0.024	100	0.0	100.0	0.024
IMP_S4.2.0_A2	S4.1.0		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S4.2.0_A3	S4.1.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S4.2.0_A4	S4.1.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S4.2.0_A5	S4.1.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S4.2.0_A6	S4.1.0		Time of Concentration	0.009	100	7.2	107.2	0.009
IMP_S4.2.0_A7	S4.1.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S4.2.0_A8	S4.1.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S4.2.0_A9	S4.1.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S4.2.0_A10	S4.1.0		Time of Concentration	0.009	100	7.2	107.2	0.009
IMP_S4.2.0_A11	S4.1.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S4.2.0_A12	S4.1.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S4.2.0_A13	S4.1.0		Time of Concentration	0.006	100	7.2	107.2	0.006

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflow Summary Storm Phase: Phase	Revision: Rev 1			

IMP_S4.2.0_A14	S4.1.0		Time of Concentration	0.009	100	7.2	107.2	0.009
IMP_S4.2.0_A15	S4.1.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S4.2.0_A16	S4.1.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S4.2.0_A17	S4.1.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S4.2.1_A1	S4.1.1		Time of Concentration	0.003	100	0.0	100.0	0.003
IMP_S4.2.1_A2	S4.1.1		Time of Concentration	0.010	100	7.2	107.2	0.010
IMP_S4.2.1_A3	S4.1.1		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S4.2.1_A4	S4.1.1		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S4.3.0_A1	S4.2.0		Time of Concentration	0.025	100	0.0	100.0	0.025
IMP_S4.3.0_A2	S4.2.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S5.0.0_A1	S6.0.0		Time of Concentration	0.025	100	0.0	100.0	0.025
IMP_S5.0.0_A2	S6.0.0		Time of Concentration	0.043	100	7.2	107.2	0.046
IMP_S6.0.0_A1	S7.0.0		Time of Concentration	0.030	100	0.0	100.0	0.030
IMP_S6.0.0_A2	S7.0.0		Time of Concentration	0.003	100	7.2	107.2	0.003
IMP_S6.0.0_A3	S7.0.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S6.0.0_A4	S7.0.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S7.0.0_A1	S8.0.0		Time of Concentration	0.019	100	0.0	100.0	0.019
IMP_S7.0.0_A2	S8.0.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S7.0.0_A3	S8.0.0		Time of Concentration	0.003	100	7.2	107.2	0.003
IMP_S7.0.0_A4	S8.0.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.0.0_A1	S9.0.0		Time of Concentration	0.102	100	0.0	100.0	0.102
IMP_S8.0.0_A2	S9.0.0		Time of Concentration	0.081	100	7.2	107.2	0.086
IMP_S8.0.0_A3	S9.0.0		Time of Concentration	0.002	100	7.2	107.2	0.003
IMP_S8.0.0_A4	S9.0.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.0.0_A5	S9.0.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.0.0_A6	S9.0.0		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S8.0.0_A7	S9.0.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.0.0_A8	S9.0.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.0.0_A9	S9.0.0		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S8.0.0_A10	S9.0.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S8.0.1_A1	S9.0.1		Time of Concentration	0.068	100	0.0	100.0	0.068
IMP_S8.0.1_A2	S9.0.1		Time of Concentration	0.008	100	7.2	107.2	0.008
IMP_S8.0.1_A3	S9.0.1		Time of Concentration	0.009	100	7.2	107.2	0.009
IMP_S8.0.1_A4	S9.0.1		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.0.2_A1	S9.0.2		Time of Concentration	0.011	100	0.0	100.0	0.011

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by:	Checked by:	Approved By:	
Report Details: Type: Inflow Summary Storm Phase: Phase	J. Dunesby	W. Nienaber	W. Nienaber	
	Revision: Rev 1			

IMP_S8.0.2_A2	S9.0.2		Time of Concentration	0.008	100	7.2	107.2	0.008
IMP_S8.1.0_A1	S9.1.0		Time of Concentration	0.013	100	0.0	100.0	0.013
IMP_S8.1.0_A2	S9.1.0		Time of Concentration	0.008	100	7.2	107.2	0.008
IMP_S8.1.0_A3	S9.1.0		Time of Concentration	0.011	100	7.2	107.2	0.012
IMP_S8.1.0_A4	S9.1.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.2.0_A1	S9.2.0		Time of Concentration	0.051	100	0.0	100.0	0.051
IMP_S8.2.0_A2	S9.2.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.2.0_A3	S9.2.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.2.0_A4	S9.2.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S8.2.0_A5	S9.2.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.2.0_A6	S9.2.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S8.2.0_A7	S9.2.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.2.0_A8	S9.2.0		Time of Concentration	0.023	100	0.0	100.0	0.023
IMP_S8.3.0_A1	S9.3.0		Time of Concentration	0.038	100	0.0	100.0	0.038
IMP_S8.3.0_A2	S9.3.0		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S8.3.0_A3	S9.3.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.3.0_A4	S9.3.0		Time of Concentration	0.009	100	7.2	107.2	0.010
IMP_S8.3.0_A5	S9.3.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.3.0_A6	S9.3.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.3.0_A7	S9.3.0		Time of Concentration	0.009	100	7.2	107.2	0.009
IMP_S8.3.0_A8	S9.3.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.3.0_A9	S9.3.0		Time of Concentration	0.008	100	7.2	107.2	0.008
IMP_S8.3.0_A10	S9.3.0		Time of Concentration	0.022	100	0.0	100.0	0.022
IMP_S8.3.0_A11	S9.3.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.3.0_A12	S9.3.0		Time of Concentration	0.009	100	7.2	107.2	0.009
IMP_S8.3.0_A13	S9.3.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.3.0_A14	S9.3.0		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S8.3.0_A15	S9.3.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.4.0	S9.4.0		Time of Concentration	0.012	100	0.0	100.0	0.012
IMP_S8.4.2_A1	S24.8.0		Time of Concentration	0.012	100	0.0	100.0	0.012
IMP_S8.5.0_A1	S9.5.0		Time of Concentration	0.048	100	0.0	100.0	0.048
IMP_S8.5.0_A2	S9.5.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.5.0_A3	S9.5.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S8.5.0_A4	S9.5.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.5.0_A5	S9.5.0		Time of Concentration	0.009	100	7.2	107.2	0.009

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflow Summary Storm Phase: Phase	Revision: Rev 1		



IMP_S8.5.0_A6	S9.5.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.5.0_A7	S9.5.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S8.5.0_A8	S9.5.0		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S8.5.0_A9	S9.5.0		Time of Concentration	0.006	100	7.2	107.2	0.007
IMP_S8.5.0_A10	S9.5.0		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S8.5.0_A11	S9.5.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S8.5.0_A12	S9.5.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.5.0_A13	S9.5.0		Time of Concentration	0.009	100	7.2	107.2	0.009
IMP_S8.5.0_A14	S9.5.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.6.0_A1	S9.6.0		Time of Concentration	0.018	100	0.0	100.0	0.018
IMP_S8.6.0_A2	S9.6.0		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S8.6.0_A3	S9.6.0		Time of Concentration	0.008	100	7.2	107.2	0.009
IMP_S8.6.1_A1	S9.6.1		Time of Concentration	0.006	100	0.0	100.0	0.006
IMP_S8.6.1_A2	S9.6.1		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.6.1_A3	S9.6.1		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.6.1_A4	S9.6.1		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.7.0	S9.7.0		Time of Concentration	0.022	100	0.0	100.0	0.022
IMP_S8.7.1_A1	S9.7.1		Time of Concentration	0.014	100	0.0	100.0	0.014
IMP_S8.7.1_A2	S9.7.1		Time of Concentration	0.007	100	7.2	107.2	0.007
IMP_S8.7.1_A3	S9.7.1		Time of Concentration	0.006	100	7.2	107.2	0.007
IMP_S8.7.2_A1	S9.7.2		Time of Concentration	0.017	100	0.0	100.0	0.017
IMP_S8.7.2_A2	S9.7.2		Time of Concentration	0.007	100	7.2	107.2	0.007
IMP_S8.7.2_A3	S9.7.2		Time of Concentration	0.006	100	7.2	107.2	0.007
IMP_S8.8.0_A1	S9.8.0		Time of Concentration	0.051	100	0.0	100.0	0.051
IMP_S8.8.0_A2	S9.8.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.8.0_A3	S9.8.0		Time of Concentration	0.009	100	7.2	107.2	0.009
IMP_S8.8.0_A4	S9.8.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.8.0_A5	S9.8.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S8.8.0_A6	S9.8.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.8.0_A7	S9.8.0		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S8.8.0_A8	S9.8.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.8.0_A9	S9.8.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.8.0_A10	S9.8.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.8.0_A11	S9.8.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.8.0_A12	S9.8.0		Time of Concentration	0.006	100	7.2	107.2	0.006

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
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Report Details: Type: Inflow Summary Storm Phase: Phase	Revision: Rev 1		



IMP_S8.8.0_A13	S9.8.0		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S8.8.0_A14	S9.8.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.8.0_A15	S9.8.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.8.0_A16	S9.8.0		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S8.8.0_A17	S9.8.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.8.0_A18	S9.8.0		Time of Concentration	0.007	100	7.2	107.2	0.007
IMP_S8.8.0_A19	S9.8.0		Time of Concentration	0.006	100	7.2	107.2	0.007
IMP_S8.8.0_A20	S9.8.0		Time of Concentration	0.009	100	7.2	107.2	0.009
IMP_S8.8.0_A21	S9.8.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.8.0_A22	S9.8.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S8.8.0_A23	S9.8.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.8.0_A24	S9.8.0		Time of Concentration	0.008	100	7.2	107.2	0.009
IMP_S8.9.0_A1	S9.9.0		Time of Concentration	0.009	100	0.0	100.0	0.009
IMP_S8.9.0_A2	S9.9.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.9.0_A3	S9.9.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S8.10.0_A1	S9.10.0		Time of Concentration	0.014	100	0.0	100.0	0.014
IMP_S8.10.0_A2	S9.10.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.10.0_A3	S9.10.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.10.0_A4	S9.10.0		Time of Concentration	0.008	100	7.2	107.2	0.009
IMP_S8.10.1_A1	S9.10.1		Time of Concentration	0.011	100	0.0	100.0	0.011
IMP_S8.10.1_A2	S9.10.1		Time of Concentration	0.008	100	7.2	107.2	0.009
IMP_S8.10.1_A3	S9.10.1		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.10.1_A4	S9.10.1		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.10.2_A1	S9.10.2		Time of Concentration	0.010	100	0.0	100.0	0.010
IMP_S8.10.2_A2	S9.10.2		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S8.10.2_A3	S9.10.2		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.10.2_A4	S9.10.2		Time of Concentration	0.008	100	7.2	107.2	0.009
IMP_S8.11.0_A1	S9.11.0		Time of Concentration	0.026	100	0.0	100.0	0.026
IMP_S8.11.0_A2	S9.11.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.11.0_A3	S9.11.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.11.0_A4	S9.11.0		Time of Concentration	0.008	100	7.2	107.2	0.009
IMP_S8.11.0_A5	S9.11.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.11.0_A6	S9.11.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.11.0_A7	S9.11.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.11.0_A8	S9.11.0		Time of Concentration	0.005	100	7.2	107.2	0.005

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflow Summary Storm Phase: Phase	Revision: Rev 1		



IMP_S8.11.0 A9	S9.11.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.11.0 A10	S9.11.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.11.0 A11	S9.11.0		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S8.11.0 A12	S9.11.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.11.0 A13	S9.11.0		Time of Concentration	0.006	100	7.2	107.2	0.007
IMP_S8.11.0 A14	S9.11.0		Time of Concentration	0.007	100	7.2	107.2	0.007
IMP_S8.12.0 A1	S9.12.0		Time of Concentration	0.059	100	0.0	100.0	0.059
IMP_S8.12.0 A2	S9.12.0		Time of Concentration	0.010	100	7.2	107.2	0.011
IMP_S8.12.0 A3	S9.12.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.12.0 A4	S9.12.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S8.12.0 A5	S9.12.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.12.0 A6	S9.12.0		Time of Concentration	0.007	100	7.2	107.2	0.008
IMP_S8.12.0 A7	S9.12.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.12.1 A1	S9.12.1		Time of Concentration	0.022	100	0.0	100.0	0.022
IMP_S8.12.1 A2	S9.12.1		Time of Concentration	0.010	100	7.2	107.2	0.011
IMP_S8.12.1 A3	S9.12.1		Time of Concentration	0.010	100	7.2	107.2	0.010
IMP_S8.12.2 A1	S9.12.2		Time of Concentration	0.005	100	0.0	100.0	0.005
IMP_S8.12.2 A2	S9.12.2		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.12.2 A3	S9.12.2		Time of Concentration	0.002	100	7.2	107.2	0.003
IMP_S8.12.2 A4	S9.12.3		Time of Concentration	0.011	100	7.2	107.2	0.012
IMP_S8.12.3 A1	S9.12.3		Time of Concentration	0.003	100	0.0	100.0	0.003
IMP_S8.12.3 A2	S9.12.3		Time of Concentration	0.008	100	7.2	107.2	0.008
IMP_S8.12.3 A3	S9.12.3		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.12.4 A1	S9.12.4		Time of Concentration	0.005	100	0.0	100.0	0.005
IMP_S8.12.4 A2	S9.12.4		Time of Concentration	0.011	100	7.2	107.2	0.012
IMP_S8.12.5 A1	S9.12.5		Time of Concentration	0.008	100	0.0	100.0	0.008
IMP_S8.12.5 A2	S9.12.5		Time of Concentration	0.008	100	7.2	107.2	0.009
IMP_S8.12.5 A3	S9.12.5		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.12.5 A4	S9.12.5		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S8.12.5 A5	S9.12.5		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.12.5 A6	S9.12.5		Time of Concentration	0.008	100	7.2	107.2	0.009
IMP_S8.12.6 A1	S9.12.6		Time of Concentration	0.006	100	0.0	100.0	0.006
IMP_S8.12.6 A2	S9.12.6		Time of Concentration	0.011	100	7.2	107.2	0.012
IMP_S8.12.7 A1	S9.12.7		Time of Concentration	0.002	100	0.0	100.0	0.002
IMP_S8.12.7 A2	S9.12.7		Time of Concentration	0.009	100	7.2	107.2	0.010

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflow Summary Storm Phase: Phase	Revision: Rev 1			

IMP_S8.12.7 A3	S9.12.7		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.13.0 A1	S9.13.0		Time of Concentration	0.015	100	0.0	100.0	0.015
IMP_S8.13.0 A2	S9.13.0		Time of Concentration	0.011	100	7.2	107.2	0.012
IMP_S8.13.0 A3	S9.13.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.13.0 A4	S9.13.0		Time of Concentration	0.010	100	7.2	107.2	0.010
IMP_S8.13.0 A5	S9.13.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S8.13.0 A6	S9.13.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.14.0 A1	S9.14.0		Time of Concentration	0.022	100	0.0	100.0	0.022
IMP_S8.14.0 A2	S9.14.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S8.14.0 A3	S9.14.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.14.0 A4	S9.14.0		Time of Concentration	0.010	100	7.2	107.2	0.010
IMP_S8.14.0 A5	S9.14.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.14.0 A6	S9.14.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.14.0 A7	S9.14.0		Time of Concentration	0.010	100	7.2	107.2	0.010
IMP_S8.14.0 A8	S9.14.0		Time of Concentration	0.013	100	7.2	107.2	0.014
IMP_S8.14.0 A9	S9.14.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.14.0 A10	S9.14.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S8.14.0 A11	S9.14.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.15.0 A1	S9.15.0		Time of Concentration	0.033	100	0.0	100.0	0.033
IMP_S8.15.0 A2	S9.15.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.15.0 A3	S9.15.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.15.0 A4	S9.15.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S8.15.0 A5	S9.15.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.15.0 A6	S9.15.0		Time of Concentration	0.011	100	7.2	107.2	0.012
IMP_S8.15.0 A7	S9.15.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.15.0 A8	S9.15.0		Time of Concentration	0.007	100	7.2	107.2	0.007
IMP_S8.15.0 A9	S9.15.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.15.0 A10	S9.15.0		Time of Concentration	0.007	100	7.2	107.2	0.007
IMP_S8.15.0 A11	S9.15.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.15.0 A12	S9.15.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.15.0 A13	S9.15.0		Time of Concentration	0.012	100	7.2	107.2	0.013
IMP_S8.15.0 A14	S9.15.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.15.0 A15	S9.15.0		Time of Concentration	0.006	100	7.2	107.2	0.007
IMP_S8.15.0 A16	S9.15.0		Time of Concentration	0.007	100	7.2	107.2	0.007
IMP_S8.16.0 A1	S9.16.0		Time of Concentration	0.078	100	0.0	100.0	0.078

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by:	Checked by:	Approved By:	
Report Details: Type: Inflow Summary Storm Phase: Phase	J. Dunesby	W. Nienaber	W. Nienaber	
	Revision: Rev 1			

IMP_S8.16.0_A2	S9.16.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.16.0_A3	S9.16.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.16.0_A4	S9.16.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.16.0_A5	S9.16.0		Time of Concentration	0.010	100	7.2	107.2	0.010
IMP_S8.16.0_A6	S9.16.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.16.0_A7	S9.16.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.16.0_A8	S9.16.0		Time of Concentration	0.003	100	7.2	107.2	0.003
IMP_S8.16.0_A9	S9.16.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.16.0_A10	S9.16.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S8.16.0_A11	S9.16.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.16.0_A12	S9.16.0		Time of Concentration	0.007	100	7.2	107.2	0.008
IMP_S8.16.0_A13	S9.16.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.16.0_A14	S9.16.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.16.0_A15	S9.16.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.16.0_A16	S9.16.0		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S8.16.0_A17	S9.16.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.16.0_A18	S9.16.0		Time of Concentration	0.008	100	7.2	107.2	0.008
IMP_S8.16.0_A19	S9.16.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.16.0_A20	S9.16.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.16.0_A21	S9.16.0		Time of Concentration	0.008	100	7.2	107.2	0.008
IMP_S8.16.0_A22	S9.16.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.16.0_A23	S9.16.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.16.0_A24	S9.16.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.16.0_A25	S9.16.0		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S8.16.0_A26	S9.16.0		Time of Concentration	0.007	100	7.2	107.2	0.007
IMP_S8.16.0_A27	S9.16.0		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S8.16.0_A28	S9.16.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.16.0_A29	S9.16.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.16.0_A30	S9.16.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S8.16.0_A31	S9.16.0		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S8.16.0_A32	S9.16.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S8.16.1_A1	S9.16.1		Time of Concentration	0.019	100	0.0	100.0	0.019
IMP_S8.16.1_A2	S9.16.1		Time of Concentration	0.010	100	7.2	107.2	0.010
IMP_S8.16.1_A3	S9.16.1		Time of Concentration	0.008	100	7.2	107.2	0.009
IMP_S8.16.2_A1	S9.16.2		Time of Concentration	0.006	100	0.0	100.0	0.006

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflow Summary Storm Phase: Phase	Revision: Rev 1		



IMP_S8.16.2_A2	S9.16.2		Time of Concentration	0.010	100	7.2	107.2	0.010
IMP_S8.16.3	S9.16.3		Time of Concentration	0.004	100	0.0	100.0	0.004
IMP_S8.16.4_A1	S9.16.4		Time of Concentration	0.007	100	0.0	100.0	0.007
IMP_S8.16.4_A2	S9.16.4		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.16.4_A3	S9.16.4		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S8.16.4_A4	S9.16.4		Time of Concentration	0.010	100	7.2	107.2	0.010
IMP_S8.17.0_A1	S9.17.0		Time of Concentration	0.017	100	0.0	100.0	0.017
IMP_S8.17.0_A2	S9.17.0		Time of Concentration	0.008	100	7.2	107.2	0.008
IMP_S8.17.0_A3	S9.17.0		Time of Concentration	0.008	100	7.2	107.2	0.009
IMP_S9.0.0_A1	S10.0.0		Time of Concentration	0.046	100	0.0	100.0	0.046
IMP_S9.0.0_A2	S10.0.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S9.0.0_A3	S10.0.0		Time of Concentration	0.009	100	7.2	107.2	0.010
IMP_S9.0.0_A4	S10.0.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S9.0.0_A5	S10.0.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S9.0.0_A6	S10.0.0		Time of Concentration	0.007	100	7.2	107.2	0.007
IMP_S9.0.1_A1	S10.0.1		Time of Concentration	0.024	100	0.0	100.0	0.024
IMP_S9.0.1_A2	S10.0.1		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S9.0.1_A3	S10.0.1		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S9.0.1_A4	S10.0.1		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S9.0.2_A1	S10.0.2		Time of Concentration	0.010	100	0.0	100.0	0.010
IMP_S9.0.2_A2	S10.0.2		Time of Concentration	0.007	100	0.0	100.0	0.007
IMP_S9.0.2_A3	S10.0.2		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S9.0.3_A1	S10.0.3		Time of Concentration	0.049	100	0.0	100.0	0.049
IMP_S9.0.3_A2	S10.0.3		Time of Concentration	0.007	100	7.2	107.2	0.007
IMP_S9.0.3_A3	S10.0.3		Time of Concentration	0.004	100	7.2	107.2	0.005
IMP_S9.0.3_A4	S10.0.3		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S9.0.3_A5	S10.0.3		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S9.0.3_A6	S10.0.3		Time of Concentration	0.009	100	7.2	107.2	0.010
IMP_S9.0.3_A7	S10.0.3		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S9.0.3_A8	S10.0.3		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S9.0.3_A9	S10.0.3		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S9.0.3_A10	S10.0.3		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S9.0.3_A11	S10.0.3		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S9.0.3_A12	S10.0.3		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S9.0.3_A13	S10.0.3		Time of Concentration	0.005	100	7.2	107.2	0.006

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflow Summary Storm Phase: Phase	Revision: Rev 1		



IMP_S9.0.3_A14	S10.0.3		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S9.0.4_A1	S10.0.4		Time of Concentration	0.028	100	0.0	100.0	0.028
IMP_S9.0.4_A2	S10.0.4		Time of Concentration	0.007	100	7.2	107.2	0.008
IMP_S9.0.4_A3	S10.0.4		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S9.0.4_A4	S10.0.4		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S9.0.4_A5	S10.0.4		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S9.0.4_A6	S10.0.4		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S9.0.5_A1	S10.0.5		Time of Concentration	0.021	100	0.0	100.0	0.021
IMP_S9.0.5_A2	S10.0.5		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S9.0.5_A3	S10.0.5		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S9.0.5_A4	S10.0.5		Time of Concentration	0.005	100	7.2	107.2	0.005
IMP_S9.0.5_A5	S10.0.5		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S9.0.5_A6	S10.0.5		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S9.0.5_A7	S10.0.5		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S9.0.5_A8	S10.0.5		Time of Concentration	0.010	100	7.2	107.2	0.011
IMP_S9.0.5_A9	S10.0.5		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S9.1.0_A1	S10.1.0		Time of Concentration	0.161	100	0.0	100.0	0.161
IMP_S9.1.0_A2	S10.1.0		Time of Concentration	0.075	100	7.2	107.2	0.080
IMP_S9.1.1	S10.1.1		Time of Concentration	0.037	100	0.0	100.0	0.037
IMP_S9.2.0_A1	S10.2.0		Time of Concentration	0.036	100	0.0	100.0	0.036
IMP_S9.2.0_A2	S10.2.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S9.2.0_A3	S10.2.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S9.2.0_A4	S10.2.0		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S9.2.0_A5	S10.2.0		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S9.2.0_A6	S10.2.0		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S9.2.0_A7	S10.2.0		Time of Concentration	0.009	100	7.2	107.2	0.010
IMP_S9.2.0_A8	S10.2.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S9.2.0_A9	S10.2.0		Time of Concentration	0.007	100	7.2	107.2	0.007
IMP_S9.2.0_A10	S10.2.0		Time of Concentration	0.006	100	7.2	107.2	0.007
IMP_S9.2.1_A1	S10.2.1		Time of Concentration	0.032	100	0.0	100.0	0.032
IMP_S9.2.1_A2	S10.2.1		Time of Concentration	0.007	100	7.2	107.2	0.007
IMP_S9.2.1_A3	S10.2.1		Time of Concentration	0.010	100	7.2	107.2	0.010
IMP_S9.2.1_A4	S10.2.1		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S9.2.1_A5	S10.2.1		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S9.2.1_A6	S10.2.1		Time of Concentration	0.005	100	7.2	107.2	0.006

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by:	Checked by:	Approved By:	
Report Details: Type: Inflow Summary Storm Phase: Phase	J. Dunesby	W. Nienaber	W. Nienaber	
	Revision: Rev 1			

IMP_S9.3.0_A1	S10.3.0		Time of Concentration	0.011	100	0.0	100.0	0.011
IMP_S9.3.0_A2	S10.3.0		Time of Concentration	0.009	100	7.2	107.2	0.010
IMP_S9.3.0_A3	S10.3.0		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S9.3.0_A4	S10.3.0		Time of Concentration	0.007	100	7.2	107.2	0.007
IMP_S10.0.0_A1	S11.0.0		Time of Concentration	0.085	100	0.0	100.0	0.085
IMP_S10.0.0_A2	S11.0.0		Time of Concentration	0.035	100	7.2	107.2	0.037
IMP_S10.0.0_A3	S11.0.0		Time of Concentration	0.098	100	7.2	107.2	0.105
IMP_S10.0.1	S11.0.1		Time of Concentration	0.043	100	0.0	100.0	0.043
IMP_S11.0.0	S12.0.0		Time of Concentration	0.057	100	0.0	100.0	0.057
IMP_S12.0.0	S13.0.0		Time of Concentration	0.048	100	0.0	100.0	0.048
IMP_S12.0.1_A1	S13.0.1		Time of Concentration	0.008	100	7.2	107.2	0.008
IMP_S12.0.1_A2	S13.0.1		Time of Concentration	0.010	100	7.2	107.2	0.011
IMP_S12.0.1_A3	S13.0.1		Time of Concentration	0.004	100	7.2	107.2	0.004
IMP_S12.0.1_A4	S13.0.1		Time of Concentration	0.008	100	7.2	107.2	0.009
IMP_S12.0.2_A1	S13.0.2		Time of Concentration	0.009	100	0.0	100.0	0.009
IMP_S12.0.2_A2	S13.0.2		Time of Concentration	0.010	100	7.2	107.2	0.011
IMP_S12.0.2_A3	S13.0.2		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S12.0.2_A4	S13.0.2		Time of Concentration	0.002	100	7.2	107.2	0.003
IMP_S12.0.3_A1	S13.0.3		Time of Concentration	0.035	100	0.0	100.0	0.035
IMP_S12.0.3_A2	S13.0.3		Time of Concentration	0.010	100	7.2	107.2	0.011
IMP_S12.0.3_A3	S13.0.3		Time of Concentration	0.010	100	7.2	107.2	0.011
IMP_S12.0.3_A4	S13.0.3		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S12.0.3_A5	S13.0.3		Time of Concentration	0.002	100	7.2	107.2	0.003
IMP_S12.0.3_A6	S13.0.3		Time of Concentration	0.010	100	7.2	107.2	0.011
IMP_S12.0.3_A7	S13.0.3		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S12.0.3_A8	S13.0.3		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S12.0.3_A9	S13.0.3		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S12.0.3_A10	S13.0.3		Time of Concentration	0.006	100	7.2	107.2	0.006
IMP_S12.0.3_A11	S13.0.3		Time of Concentration	0.005	100	7.2	107.2	0.006
IMP_S12.0.3_A12	S13.0.3		Time of Concentration	0.002	100	7.2	107.2	0.002
IMP_S13.0.0_A1	S14.0.0 (FC)		Time of Concentration	0.059	100	0.0	100.0	0.059
IMP_S13.0.0_A2	S14.0.0 (FC)		Time of Concentration	0.004	100	8.4	108.4	0.005
IMP_S13.0.0_A3	S14.0.0 (FC)		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S13.0.0_A4	S14.0.0 (FC)		Time of Concentration	0.007	100	8.4	108.4	0.007
IMP_S13.0.0_A5	S14.0.0 (FC)		Time of Concentration	0.006	100	8.4	108.4	0.007

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflow Summary Storm Phase: Phase	Revision: Rev 1		


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IMP_S13.0.0 A6	S14.0.0 (FC)		Time of Concentration	0.009	100	8.4	108.4	0.009
IMP_S13.0.0 A7	S14.0.0 (FC)		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S13.0.0 A8	S14.0.0 (FC)		Time of Concentration	0.008	100	8.4	108.4	0.009
IMP_S14.0.0 A1	S15.0.0		Time of Concentration	0.094	100	0.0	100.0	0.094
IMP_S14.0.0 A2	S15.0.0		Time of Concentration	0.007	100	0.0	100.0	0.007
IMP_S14.0.0 A3	S15.0.0		Time of Concentration	0.010	100	8.4	108.4	0.010
IMP_S14.0.0 A4	S15.0.0		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S14.0.0 A5	S15.0.0		Time of Concentration	0.007	100	8.4	108.4	0.007
IMP_S14.0.0 A6	S15.0.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S14.0.0 A7	S15.0.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S14.0.0 A8	S15.0.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S14.0.1 A1	S15.0.1		Time of Concentration	0.006	100	0.0	100.0	0.006
IMP_S14.0.1 A2	S15.0.1		Time of Concentration	0.011	100	8.4	108.4	0.012
IMP_S14.0.1 A3	S15.0.1		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S14.0.1 A4	S15.0.1		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S14.0.1 A5	S15.0.1		Time of Concentration	0.006	100	8.4	108.4	0.007
IMP_S14.0.1 A6	S15.0.1		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S14.0.1 A7	S15.0.1		Time of Concentration	0.010	100	8.4	108.4	0.010
IMP_S14.0.1 A8	S15.0.1		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S14.0.1 A9	S15.0.1		Time of Concentration	0.002	100	8.4	108.4	0.003
IMP_S14.0.1 A10	S15.0.1		Time of Concentration	0.010	100	8.4	108.4	0.011
IMP_S14.0.1 A11	S15.0.1		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S14.0.1 A12	S15.0.1		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S14.0.1 A13	S15.0.1		Time of Concentration	0.008	100	8.4	108.4	0.009
IMP_S14.0.1 A14	S15.0.1		Time of Concentration	0.011	100	8.4	108.4	0.012
IMP_S14.0.1 A15	S15.0.1		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S14.0.2 A1	S15.0.2 (FC)		Time of Concentration	0.035	100	0.0	100.0	0.035
IMP_S14.0.2 A2	S15.0.2 (FC)		Time of Concentration	0.011	100	8.4	108.4	0.012
IMP_S14.0.3 A1	S15.0.3		Time of Concentration	0.043	100	0.0	100.0	0.043
IMP_S14.0.3 A2	S15.0.3		Time of Concentration	0.008	100	10.0	110.0	0.009
IMP_S14.0.3 A3	S15.0.3		Time of Concentration	0.007	100	10.0	110.0	0.008
IMP_S14.0.3 A4	S15.0.3		Time of Concentration	0.002	100	10.0	110.0	0.002
IMP_S14.0.3 A5	S15.0.3		Time of Concentration	0.010	100	10.0	110.0	0.011
IMP_S14.0.3 A6	S15.0.3		Time of Concentration	0.010	100	10.0	110.0	0.011
IMP_S14.0.3 A7	S15.0.3		Time of Concentration	0.004	100	10.0	110.0	0.004

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflow Summary Storm Phase: Phase	Revision: Rev 1			

IMP_S14.0.3 A8	S15.0.3		Time of Concentration	0.006	100	10.0	110.0	0.006
IMP_S14.0.3 A9	S15.0.3		Time of Concentration	0.005	100	10.0	110.0	0.006
IMP_S14.0.3 A10	S15.0.3		Time of Concentration	0.011	100	10.0	110.0	0.012
IMP_S14.0.3 A11	S15.0.3		Time of Concentration	0.004	100	10.0	110.0	0.004
IMP_S14.0.3 A12	S15.0.3		Time of Concentration	0.010	100	10.0	110.0	0.011
IMP_S14.0.3 A13	S15.0.3		Time of Concentration	0.005	100	10.0	110.0	0.006
IMP_S14.0.3 A14	S15.0.3		Time of Concentration	0.002	100	10.0	110.0	0.003
IMP_S14.0.4 A1	S15.0.4		Time of Concentration	0.006	100	0.0	100.0	0.006
IMP_S14.0.4 A2	S15.0.4		Time of Concentration	0.010	100	10.0	110.0	0.011
IMP_S14.0.5 A1	S15.0.5		Time of Concentration	0.008	100	0.0	100.0	0.008
IMP_S14.0.5 A2	S15.0.5		Time of Concentration	0.006	100	10.0	110.0	0.006
IMP_S14.0.5 A3	S15.0.5		Time of Concentration	0.002	100	10.0	110.0	0.003
IMP_S14.0.5 A4	S15.0.5		Time of Concentration	0.010	100	10.0	110.0	0.011
IMP_S14.0.6 A1	S15.0.6		Time of Concentration	0.009	100	0.0	100.0	0.009
IMP_S14.0.6 A2	S15.0.6		Time of Concentration	0.010	100	10.0	110.0	0.011
IMP_S14.0.7 A1	S15.0.7		Time of Concentration	0.013	100	0.0	100.0	0.013
IMP_S14.0.7 A2	S15.0.7		Time of Concentration	0.010	100	10.0	110.0	0.011
IMP_S14.0.7 A3	S15.0.7		Time of Concentration	0.004	100	10.0	110.0	0.004
IMP_S14.0.7 A4	S15.0.7		Time of Concentration	0.008	100	10.0	110.0	0.009
IMP_S14.0.7 A5	S15.0.7		Time of Concentration	0.005	100	10.0	110.0	0.006
IMP_S14.0.7 A6	S15.0.7		Time of Concentration	0.002	100	10.0	110.0	0.002
IMP_S14.0.7 A7	S15.0.7		Time of Concentration	0.008	100	10.0	110.0	0.009
IMP_S14.0.8 A1	S15.0.8		Time of Concentration	0.021	100	0.0	100.0	0.021
IMP_S14.0.8 A2	S15.0.8		Time of Concentration	0.006	100	10.0	110.0	0.007
IMP_S14.0.8 A3	S15.0.8		Time of Concentration	0.002	100	10.0	110.0	0.002
IMP_S14.0.8 A4	S15.0.8		Time of Concentration	0.008	100	10.0	110.0	0.009
IMP_S14.0.8 A5	S15.0.8		Time of Concentration	0.005	100	10.0	110.0	0.005
IMP_S14.0.8 A6	S15.0.8		Time of Concentration	0.002	100	10.0	110.0	0.002
IMP_S14.0.8 A7	S15.0.8		Time of Concentration	0.008	100	10.0	110.0	0.009
IMP_S14.0.8 A8	S15.0.8		Time of Concentration	0.005	100	10.0	110.0	0.006
IMP_S14.0.8 A9	S15.0.8		Time of Concentration	0.002	100	10.0	110.0	0.002
IMP_S14.0.9 A1	S15.0.9		Time of Concentration	0.008	100	0.0	100.0	0.008
IMP_S14.0.9 A2	S15.0.9		Time of Concentration	0.008	100	10.0	110.0	0.009
IMP_S14.1.0 A1	S15.1.0		Time of Concentration	0.011	100	0.0	100.0	0.011
IMP_S14.1.0 A2	S15.1.0		Time of Concentration	0.010	100	8.4	108.4	0.010

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by:	Checked by:	Approved By:	
Report Details: Type: Inflow Summary Storm Phase: Phase	J. Dunesby	W. Nienaber	W. Nienaber	
	Revision: Rev 1			

IMP_S14.1.0 A3	S15.1.0		Time of Concentration	0.007	100	8.4	108.4	0.007
IMP_S14.1.0 A4	S15.1.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S14.2.0 A1	S15.2.0		Time of Concentration	0.027	100	0.0	100.0	0.027
IMP_S14.2.0 A2	S15.2.0		Time of Concentration	0.008	100	8.4	108.4	0.009
IMP_S14.2.0 A3	S15.2.0		Time of Concentration	0.005	100	8.4	108.4	0.006
IMP_S14.2.0 A4	S15.2.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S14.2.0 A5	S15.2.0		Time of Concentration	0.010	100	8.4	108.4	0.010
IMP_S14.2.0 A6	S15.2.0		Time of Concentration	0.005	100	8.4	108.4	0.006
IMP_S14.2.0 A7	S15.2.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S14.2.0 A8	S15.2.0		Time of Concentration	0.010	100	8.4	108.4	0.010
IMP_S14.2.0 A9	S15.2.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S14.2.0 A10	S15.2.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S14.2.0 A11	S15.2.0		Time of Concentration	0.008	100	8.4	108.4	0.009
IMP_S14.3.0 A1	S15.3.0		Time of Concentration	0.019	100	0.0	100.0	0.019
IMP_S14.3.0 A2	S15.3.0		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S14.3.0 A3	S15.3.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S14.3.0 A4	S15.3.0		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S14.3.0 A5	S15.3.0		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S14.4.0 A1	S15.4.0		Time of Concentration	0.010	100	0.0	100.0	0.010
IMP_S14.4.0 A2	S15.4.0		Time of Concentration	0.011	100	8.4	108.4	0.012
IMP_S14.4.0 A3	S15.4.0		Time of Concentration	0.011	100	8.4	108.4	0.012
IMP_S14.4.0 A4	S15.4.0		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S14.5.0 A1	S15.5.0 (FC)		Time of Concentration	0.009	100	0.0	100.0	0.009
IMP_S14.5.0 A2	S15.5.0 (FC)		Time of Concentration	0.011	100	8.4	108.4	0.012
IMP_S14.5.0 A3	S15.5.0 (FC)		Time of Concentration	0.009	100	8.4	108.4	0.010
IMP_S14.5.0 A4	S15.5.0 (FC)		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S14.5.0 A5	S15.5.0 (FC)		Time of Concentration	0.011	100	8.4	108.4	0.012
IMP_S14.6.0 A1	S15.6.0		Time of Concentration	0.015	100	0.0	100.0	0.015
IMP_S14.6.0 A2	S15.6.0		Time of Concentration	0.010	100	9.5	109.5	0.011
IMP_S14.6.0 A3	S15.6.0		Time of Concentration	0.005	100	9.5	109.5	0.005
IMP_S14.6.0 A4	S15.6.0		Time of Concentration	0.002	100	9.5	109.5	0.002
IMP_S14.6.0 A5	S15.6.0		Time of Concentration	0.010	100	9.5	109.5	0.011
IMP_S14.6.0 A6	S15.6.0		Time of Concentration	0.009	100	9.5	109.5	0.010
IMP_S14.6.0 A7	S15.6.0		Time of Concentration	0.004	100	9.5	109.5	0.004
IMP_S14.6.0 A8	S15.6.0		Time of Concentration	0.006	100	9.5	109.5	0.006

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflow Summary Storm Phase: Phase	Revision: Rev 1			

IMP_S14.6.0 A9	S15.6.0		Time of Concentration	0.005	100	9.5	109.5	0.006
IMP_S14.6.0 A10	S15.6.0		Time of Concentration	0.002	100	9.5	109.5	0.002
IMP_S14.7.0 A1	S15.7.0		Time of Concentration	0.003	100	0.0	100.0	0.003
IMP_S14.7.0 A2	S15.7.0		Time of Concentration	0.006	100	9.5	109.5	0.006
IMP_S14.8.0	S15.8.0		Time of Concentration	0.013	100	0.0	100.0	0.013
IMP_S14.8.1 A1	S15.8.1		Time of Concentration	0.042	100	0.0	100.0	0.042
IMP_S14.8.1 A2	S15.8.1		Time of Concentration	0.005	100	9.5	109.5	0.006
IMP_S14.8.1 A3	S15.8.1		Time of Concentration	0.002	100	9.5	109.5	0.002
IMP_S14.8.1 A4	S15.8.1		Time of Concentration	0.007	100	9.5	109.5	0.007
IMP_S14.8.1 A5	S15.8.1		Time of Concentration	0.006	100	9.5	109.5	0.007
IMP_S14.8.1 A6	S15.8.1		Time of Concentration	0.004	100	9.5	109.5	0.004
IMP_S14.8.1 A7	S15.8.1		Time of Concentration	0.002	100	9.5	109.5	0.002
IMP_S14.8.1 A8	S15.8.1		Time of Concentration	0.006	100	9.5	109.5	0.006
IMP_S14.8.1 A9	S15.8.1		Time of Concentration	0.008	100	9.5	109.5	0.009
IMP_S14.8.2 A1	S15.8.2		Time of Concentration	0.013	100	0.0	100.0	0.013
IMP_S14.8.2 A2	S15.8.2		Time of Concentration	0.009	100	9.5	109.5	0.010
IMP_S14.8.2 A3	S15.8.2		Time of Concentration	0.004	100	9.5	109.5	0.004
IMP_S14.8.2 A4	S15.8.2		Time of Concentration	0.007	100	9.5	109.5	0.007
IMP_S14.8.2 A5	S15.8.2		Time of Concentration	0.004	100	9.5	109.5	0.005
IMP_S14.8.2 A6	S15.8.2		Time of Concentration	0.002	100	9.5	109.5	0.002
IMP_S14.8.2 A7	S15.8.2		Time of Concentration	0.009	100	9.5	109.5	0.010
IMP_S14.8.2 A8	S15.8.2		Time of Concentration	0.004	100	9.5	109.5	0.004
IMP_S14.8.2 A9	S15.8.2		Time of Concentration	0.010	100	9.5	109.5	0.011
IMP_S14.8.3 A1	S15.8.3		Time of Concentration	0.024	100	0.0	100.0	0.024
IMP_S14.8.3 A2	S15.8.3		Time of Concentration	0.007	100	9.5	109.5	0.007
IMP_S14.8.3 A3	S15.8.3		Time of Concentration	0.005	100	9.5	109.5	0.005
IMP_S14.8.4 A1	S15.8.4		Time of Concentration	0.047	100	0.0	100.0	0.047
IMP_S14.8.4 A2	S15.8.4		Time of Concentration	0.005	100	9.5	109.5	0.005
IMP_S14.8.4 A3	S15.8.4		Time of Concentration	0.005	100	9.5	109.5	0.005
IMP_S14.8.4 A4	S15.8.4		Time of Concentration	0.005	100	9.5	109.5	0.005
IMP_S14.8.4 A5	S15.8.4		Time of Concentration	0.005	100	9.5	109.5	0.006
IMP_S14.8.4 A6	S15.8.4		Time of Concentration	0.005	100	9.5	109.5	0.005
IMP_S14.8.4 A7	S15.8.4		Time of Concentration	0.005	100	9.5	109.5	0.005
IMP_S14.8.4 A8	S15.8.4		Time of Concentration	0.005	100	9.5	109.5	0.006
IMP_S14.8.4 A9	S15.8.4		Time of Concentration	0.005	100	9.5	109.5	0.005

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflow Summary Storm Phase: Phase	Revision: Rev 1		



IMP_S14.8.4 A10	S15.8.4		Time of Concentration	0.005	100	9.5	109.5	0.006
IMP_S14.8.4 A11	S15.8.4		Time of Concentration	0.005	100	9.5	109.5	0.005
IMP_S14.8.4 A12	S15.8.4		Time of Concentration	0.009	100	9.5	109.5	0.010
IMP_S14.8.4 A13	S15.8.4		Time of Concentration	0.002	100	9.5	109.5	0.002
IMP_S14.8.4 A14	S15.8.4		Time of Concentration	0.006	100	9.5	109.5	0.007
IMP_S14.8.4 A15	S15.8.4		Time of Concentration	0.007	100	9.5	109.5	0.007
IMP_S14.8.4 A16	S15.8.4		Time of Concentration	0.005	100	9.5	109.5	0.005
IMP_S14.8.4 A17	S15.8.4		Time of Concentration	0.002	100	9.5	109.5	0.002
IMP_S14.8.5	S15.8.5		Time of Concentration	0.023	100	0.0	100.0	0.023
IMP_S14.8.6 A1	S15.8.6		Time of Concentration	0.042	100	0.0	100.0	0.042
IMP_S14.8.6 A2	S15.8.6		Time of Concentration	0.008	100	9.5	109.5	0.009
IMP_S14.8.6 A3	S15.8.6		Time of Concentration	0.008	100	9.5	109.5	0.009
IMP_S14.8.6 A4	S15.8.6		Time of Concentration	0.002	100	9.5	109.5	0.002
IMP_S14.8.6 A5	S15.8.6		Time of Concentration	0.005	100	9.5	109.5	0.005
IMP_S14.8.6 A6	S15.8.6		Time of Concentration	0.005	100	9.5	109.5	0.005
IMP_S14.8.6 A7	S15.8.6		Time of Concentration	0.004	100	9.5	109.5	0.005
IMP_S14.8.6 A8	S15.8.6		Time of Concentration	0.008	100	9.5	109.5	0.009
IMP_S14.8.6 A9	S15.8.6		Time of Concentration	0.008	100	9.5	109.5	0.008
IMP_S14.8.6 A10	S15.8.6		Time of Concentration	0.009	100	9.5	109.5	0.010
IMP_S14.8.6 A11	S15.8.6		Time of Concentration	0.004	100	9.5	109.5	0.004
IMP_S14.8.6 A12	S15.8.6		Time of Concentration	0.005	100	9.5	109.5	0.006
IMP_S14.8.6 A13	S15.8.6		Time of Concentration	0.006	100	9.5	109.5	0.006
IMP_S14.8.6 A14	S15.8.6		Time of Concentration	0.004	100	9.5	109.5	0.005
IMP_S14.8.6 A15	S15.8.6		Time of Concentration	0.002	100	9.5	109.5	0.002
IMP_S14.8.7	S15.8.7		Time of Concentration	0.022	100	0.0	100.0	0.022
IMP_S14.11. 0 A1	S15.11.0		Time of Concentration	0.020	100	0.0	100.0	0.020
IMP_S14.11. 0 A2	S15.11.0		Time of Concentration	0.011	100	9.5	109.5	0.012
IMP_S14.11. 0 A3	S15.11.0		Time of Concentration	0.010	100	9.5	109.5	0.011
IMP_S14.11. 0 A4	S15.11.0		Time of Concentration	0.004	100	9.5	109.5	0.004
IMP_S14.11. 0 A5	S15.11.0		Time of Concentration	0.010	100	9.5	109.5	0.011
IMP_S14.11. 0 A6	S15.11.0		Time of Concentration	0.005	100	9.5	109.5	0.005
IMP_S14.11. 0 A7	S15.11.0		Time of Concentration	0.002	100	9.5	109.5	0.002
IMP_S14.11. 0 A8	S15.11.0		Time of Concentration	0.007	100	9.5	109.5	0.007
IMP_S14.11. 0 A9	S15.11.0		Time of Concentration	0.009	100	9.5	109.5	0.010
IMP_S14.11. 0 A10	S15.11.0		Time of Concentration	0.004	100	9.5	109.5	0.004

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflow Summary Storm Phase: Phase	Revision: Rev 1			

IMP_S14.11.0_A11	S15.11.0		Time of Concentration	0.008	100	9.5	109.5	0.009
IMP_S14.12.0_A1	S15.12.0		Time of Concentration	0.023	100	0.0	100.0	0.023
IMP_S14.12.0_A2	S15.12.0		Time of Concentration	0.008	100	9.5	109.5	0.009
IMP_S14.12.0_A3	S15.12.0		Time of Concentration	0.009	100	9.5	109.5	0.010
IMP_S14.12.0_A4	S15.12.0		Time of Concentration	0.004	100	9.5	109.5	0.004
IMP_S14.12.0_A5	S15.12.0		Time of Concentration	0.010	100	9.5	109.5	0.011
IMP_S14.13.0_A1	S15.13.0		Time of Concentration	0.004	100	0.0	100.0	0.004
IMP_S14.13.0_A2	S15.13.0		Time of Concentration	0.010	100	9.5	109.5	0.011
IMP_S14.13.0_A3	S15.13.0		Time of Concentration	0.004	100	9.5	109.5	0.004
IMP_S14.13.0_A4	S15.13.0		Time of Concentration	0.011	100	9.5	109.5	0.012
IMP_S15.0.0_A1	S16.0.0		Time of Concentration	0.066	100	0.0	100.0	0.066
IMP_S15.0.0_A2	S16.0.0		Time of Concentration	0.008	100	8.4	108.4	0.009
IMP_S15.0.0_A3	S16.0.0		Time of Concentration	0.005	100	8.4	108.4	0.006
IMP_S15.0.0_A4	S16.0.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S15.1.0_A1	S16.1.0		Time of Concentration	0.024	100	0.0	100.0	0.024
IMP_S15.1.0_A2	S16.1.0		Time of Concentration	0.008	100	8.4	108.4	0.009
IMP_S15.1.0_A3	S16.1.0		Time of Concentration	0.009	100	8.4	108.4	0.010
IMP_S15.1.0_A4	S16.1.0		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S15.1.0_A5	S16.1.0		Time of Concentration	0.010	100	8.4	108.4	0.010
IMP_S15.2.0_A1	S16.2.0		Time of Concentration	0.012	100	0.0	100.0	0.012
IMP_S15.2.0_A2	S16.2.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S15.2.0_A3	S16.2.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S15.2.0_A4	S16.2.0		Time of Concentration	0.007	100	8.4	108.4	0.007
IMP_S15.2.1_A1	S16.2.1		Time of Concentration	0.007	100	0.0	100.0	0.007
IMP_S15.2.1_A2	S16.2.1		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S15.2.2_A1	S16.2.2		Time of Concentration	0.003	100	0.0	100.0	0.003
IMP_S15.2.2_A2	S16.2.2		Time of Concentration	0.010	100	8.4	108.4	0.011
IMP_S15.2.2_A3	S16.2.2		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S15.2.3_A1	S16.2.3		Time of Concentration	0.004	100	0.0	100.0	0.004
IMP_S15.2.3_A2	S16.2.3		Time of Concentration	0.010	100	8.4	108.4	0.011
IMP_S15.2.4_A1	S16.2.4		Time of Concentration	0.007	100	0.0	100.0	0.007
IMP_S15.2.4_A2	S16.2.4		Time of Concentration	0.008	100	8.4	108.4	0.008
IMP_S15.3.0_A1	S16.3.0		Time of Concentration	0.026	100	0.0	100.0	0.026
IMP_S15.3.0_A2	S16.3.0		Time of Concentration	0.006	100	8.4	108.4	0.007
IMP_S15.3.0_A3	S16.3.0		Time of Concentration	0.010	100	8.4	108.4	0.011

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Inflow Summary Storm Phase: Phase	Revision: Rev 1			

IMP_S15.3.0 A4	S16.3.0		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S15.3.0 A5	S16.3.0		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S15.3.0 A6	S16.3.0		Time of Concentration	0.005	100	8.4	108.4	0.006
IMP_S15.3.0 A7	S16.3.0		Time of Concentration	0.009	100	8.4	108.4	0.009
IMP_S15.3.0 A8	S16.3.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S15.3.0 A9	S16.3.0		Time of Concentration	0.008	100	8.4	108.4	0.009
IMP_S15.3.0 A10	S16.3.0		Time of Concentration	0.008	100	8.4	108.4	0.009
IMP_S15.3.0 A11	S16.3.0		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S15.3.0 A12	S16.3.0		Time of Concentration	0.010	100	8.4	108.4	0.010
IMP_S15.4.0 A1	S16.4.0		Time of Concentration	0.015	100	0.0	100.0	0.015
IMP_S15.4.0 A2	S16.4.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S15.4.0 A3	S16.4.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S15.4.0 A4	S16.4.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S15.4.0 A5	S16.4.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S15.4.0 A6	S16.4.0		Time of Concentration	0.010	100	8.4	108.4	0.010
IMP_S15.5.0 A1	S16.5.0		Time of Concentration	0.046	100	0.0	100.0	0.046
IMP_S15.5.0 A2	S16.5.0		Time of Concentration	0.005	100	8.4	108.4	0.006
IMP_S15.5.0 A3	S16.5.0		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S15.5.0 A4	S16.5.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S15.5.0 A5	S16.5.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S15.5.0 A6	S16.5.0		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S15.5.0 A7	S16.5.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S15.5.0 A8	S16.5.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S15.5.0 A9	S16.5.0		Time of Concentration	0.004	100	8.4	108.4	0.005
IMP_S15.6.0 A1	S16.6.0		Time of Concentration	0.009	100	8.4	108.4	0.009
IMP_S15.6.0 A2	S16.6.0		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S15.6.0 A3	S16.6.0		Time of Concentration	0.043	100	8.4	108.4	0.047
IMP_S15.7.0 A1	S16.7.0		Time of Concentration	0.030	100	0.0	100.0	0.030
IMP_S15.7.0 A2	S16.7.0		Time of Concentration	0.008	100	8.4	108.4	0.009
IMP_S15.7.0 A3	S16.7.0		Time of Concentration	0.004	100	8.4	108.4	0.005
IMP_S15.7.0 A4	S16.7.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S15.7.1 A1	S16.7.1		Time of Concentration	0.028	100	0.0	100.0	0.028
IMP_S15.7.1 A2	S16.7.1		Time of Concentration	0.008	100	8.4	108.4	0.009
IMP_S15.7.1 A3	S16.7.1		Time of Concentration	0.002	100	8.4	108.4	0.003
IMP_S15.7.1 A4	S16.7.1		Time of Concentration	0.002	100	8.4	108.4	0.002

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by:	Checked by:	Approved By:	
Report Details: Type: Inflow Summary Storm Phase: Phase	J. Dunesby	W. Nienaber	W. Nienaber	
	Revision: Rev 1			

IMP_S15.7.1 A5	S16.7.1		Time of Concentration	0.005	100	8.4	108.4	0.006
IMP_S15.7.1 A6	S16.7.1		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S15.7.1 A7	S16.7.1		Time of Concentration	0.002	100	8.4	108.4	0.003
IMP_S15.7.1 A8	S16.7.1		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S15.7.1 A9	S16.7.1		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S15.7.1 A10	S16.7.1		Time of Concentration	0.008	100	8.4	108.4	0.009
IMP_S15.7.1 A11	S16.7.1		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S15.7.1 A12	S16.7.1		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S15.7.1 A13	S16.7.1		Time of Concentration	0.004	100	8.4	108.4	0.005
IMP_S15.7.1 A14	S16.7.1		Time of Concentration	0.002	100	8.4	108.4	0.003
IMP_S15.7.1 A15	S16.7.1		Time of Concentration	0.010	100	8.4	108.4	0.011
IMP_S15.8.0 A1	S16.9.0 (FC)		Time of Concentration	0.082	100	0.0	100.0	0.082
IMP_S15.8.0 A1_1	S16.8.0		Time of Concentration	0.006	100	8.4	108.4	0.007
IMP_S15.8.0 A1_2	S16.8.0		Time of Concentration	0.007	100	8.4	108.4	0.008
IMP_S15.8.0 A1_3	S16.8.0		Time of Concentration	0.021	100	0.0	100.0	0.021
IMP_S15.8.0 A2	S16.9.0 (FC)		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S15.8.0 A3	S16.9.0 (FC)		Time of Concentration	0.005	100	8.4	108.4	0.006
IMP_S15.8.0 A4	S16.9.0 (FC)		Time of Concentration	0.005	100	8.4	108.4	0.006
IMP_S15.8.0 A5	S16.9.0 (FC)		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S15.8.0 A6	S16.9.0 (FC)		Time of Concentration	0.005	100	8.4	108.4	0.006
IMP_S15.8.0 A7	S16.9.0 (FC)		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S15.8.0 A10	S16.9.0 (FC)		Time of Concentration	0.007	100	8.4	108.4	0.008
IMP_S15.8.0 A11	S16.9.0 (FC)		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S15.8.0 A12	S16.9.0 (FC)		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S15.8.0 A13	S16.9.0 (FC)		Time of Concentration	0.006	100	8.4	108.4	0.007
IMP_S15.8.0 A14	S16.9.0 (FC)		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S15.8.0 A15	S16.9.0 (FC)		Time of Concentration	0.006	100	8.4	108.4	0.007
IMP_S15.8.0 A16	S16.9.0 (FC)		Time of Concentration	0.007	100	8.4	108.4	0.007
IMP_S15.8.0 A17	S16.9.0 (FC)		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S15.8.0 A18	S16.9.0 (FC)		Time of Concentration	0.005	100	8.4	108.4	0.006
IMP_S15.9.0 A1	S16.10.0		Time of Concentration	0.031	100	0.0	100.0	0.031
IMP_S15.9.0 A2	S16.10.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S15.9.0 A3	S16.10.0		Time of Concentration	0.005	100	8.4	108.4	0.006
IMP_S15.9.0 A4	S16.10.0		Time of Concentration	0.004	100	8.4	108.4	0.005
IMP_S15.10. 0 A1	S16.11.0		Time of Concentration	0.028	100	0.0	100.0	0.028

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
Report Details: Type: Inflow Summary Storm Phase: Phase		Revision: Rev 1			

IMP_S15.10.0_A2	S16.11.0		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S15.10.0_A3	S16.11.0		Time of Concentration	0.010	100	8.4	108.4	0.011
IMP_S15.10.0_A4	S16.11.0		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S15.10.0_A5	S16.11.0		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S15.10.0_A6	S16.11.0		Time of Concentration	0.010	100	8.4	108.4	0.010
IMP_S15.10.0_A7	S16.11.0		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S15.10.1_A1	S16.11.1		Time of Concentration	0.010	100	0.0	100.0	0.010
IMP_S15.10.1_A2	S16.11.1		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S15.10.2	S16.11.2		Time of Concentration	0.006	100	0.0	100.0	0.006
IMP_S15.11.0_A1	S16.12.0		Time of Concentration	0.012	100	0.0	100.0	0.012
IMP_S15.11.0_A2	S16.12.0		Time of Concentration	0.010	100	8.4	108.4	0.010
IMP_S15.11.0_A3	S16.12.0		Time of Concentration	0.004	100	8.4	108.4	0.005
IMP_S15.11.0_A4	S16.12.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S15.12.0_A1	S16.13.0		Time of Concentration	0.004	100	0.0	100.0	0.004
IMP_S15.12.0_A2	S16.13.0		Time of Concentration	0.008	100	8.4	108.4	0.008
IMP_S16.0.0_A1	S17.0.0		Time of Concentration	0.050	100	0.0	100.0	0.050
IMP_S16.0.0_A2	S17.0.0		Time of Concentration	0.009	100	8.4	108.4	0.009
IMP_S16.0.0_A3	S17.0.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S16.0.0_A4	S17.0.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S16.0.0_A5	S17.0.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S16.0.0_A6	S17.0.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S16.0.0_A7	S17.0.0		Time of Concentration	0.007	100	8.4	108.4	0.007
IMP_S16.0.0_A8	S17.0.0		Time of Concentration	0.007	100	8.4	108.4	0.007
IMP_S16.0.0_A9	S17.0.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S16.0.0_A10	S17.0.0		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S16.0.0_A11	S17.0.0		Time of Concentration	0.005	100	8.4	108.4	0.006
IMP_S16.0.0_A12	S17.0.0		Time of Concentration	0.009	100	8.4	108.4	0.009
IMP_S16.0.0_A13	S17.0.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S16.0.0_A14	S17.0.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S16.0.0_A15	S17.0.0		Time of Concentration	0.007	100	8.4	108.4	0.008
IMP_S17.0.0_A1	S18.0.0		Time of Concentration	0.057	100	0.0	100.0	0.057
IMP_S17.0.0_A2	S18.0.0		Time of Concentration	0.007	100	8.4	108.4	0.007
IMP_S17.0.0_A3	S18.0.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S17.0.0_A4	S18.0.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S17.0.0_A5	S18.0.0		Time of Concentration	0.006	100	8.4	108.4	0.006

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Inflow Summary Storm Phase: Phase	Revision: Rev 1		



IMP_S17.0.0_A6	S18.0.0		Time of Concentration	0.008	100	8.4	108.4	0.008
IMP_S17.0.0_A7	S18.0.0		Time of Concentration	0.010	100	8.4	108.4	0.011
IMP_S17.0.0_A8	S18.0.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S17.0.0_A9	S18.0.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S17.0.1_A1	S18.0.1		Time of Concentration	0.027	100	0.0	100.0	0.027
IMP_S17.0.1_A2	S18.0.1		Time of Concentration	0.010	100	8.4	108.4	0.011
IMP_S17.0.1_A3	S18.0.1		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S17.0.1_A4	S18.0.1		Time of Concentration	0.007	100	8.4	108.4	0.007
IMP_S17.0.1_A5	S18.0.1		Time of Concentration	0.002	100	8.4	108.4	0.003
IMP_S17.0.1_A6	S18.0.1		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S17.0.1_A7	S18.0.1		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S17.0.1_A8	S18.0.1		Time of Concentration	0.005	100	8.4	108.4	0.006
IMP_S17.0.1_A9	S18.0.1		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S17.0.1_A10	S18.0.1		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S17.0.1_A11	S18.0.1		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S17.0.1_A12	S18.0.1		Time of Concentration	0.005	100	8.4	108.4	0.006
IMP_S17.0.1_A13	S18.0.1		Time of Concentration	0.009	100	8.4	108.4	0.010
IMP_S17.0.1_A14	S18.0.1		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S17.0.2_A1	S18.0.2		Time of Concentration	0.014	100	0.0	100.0	0.014
IMP_S17.0.2_A2	S18.0.2		Time of Concentration	0.007	100	8.4	108.4	0.008
IMP_S17.0.2_A3	S18.0.2		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S17.0.2_A4	S18.0.2		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S17.0.2_A5	S18.0.2		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S17.0.2_A6	S18.0.2		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S17.0.2_A7	S18.0.2		Time of Concentration	0.005	100	8.4	108.4	0.006
IMP_S17.0.2_A8	S18.0.2		Time of Concentration	0.009	100	8.4	108.4	0.010
IMP_S17.0.2_A9	S18.0.2		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S18.0.0_A1	S19.0.0		Time of Concentration	0.039	100	0.0	100.0	0.039
IMP_S18.0.0_A2	S19.0.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S18.0.0_A3	S19.0.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S18.0.0_A4	S19.0.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S18.0.0_A5	S19.0.0		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S18.0.0_A6	S19.0.0		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S18.0.0_A7	S19.0.0		Time of Concentration	0.002	100	8.4	108.4	0.002
IMP_S18.0.0_A8	S19.0.0		Time of Concentration	0.008	100	8.4	108.4	0.008

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by:	Checked by:	Approved By:	
Report Details: Type: Inflow Summary Storm Phase: Phase	J. Dunesby	W. Nienaber	W. Nienaber	
	Revision: Rev 1			

IMP_S18.0.0_A9	S19.0.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S18.0.0_A10	S19.0.0		Time of Concentration	0.004	100	8.4	108.4	0.005
IMP_S19.0.0	S20.0.0		Time of Concentration	0.022	100	0.0	100.0	0.022
IMP_S20.0.0_A1	S21.0.0		Time of Concentration	0.025	100	0.0	100.0	0.025
IMP_S20.0.0_A2	S21.0.0		Time of Concentration	0.010	100	8.4	108.4	0.011
IMP_S20.0.0_A3	S21.0.0		Time of Concentration	0.005	100	8.4	108.4	0.006
IMP_S20.0.0_A4	S21.0.0		Time of Concentration	0.002	100	8.4	108.4	0.003
IMP_S20.0.0_A5	S21.0.0		Time of Concentration	0.010	100	8.4	108.4	0.011
IMP_S20.0.0_A6	S21.0.0		Time of Concentration	0.006	100	8.4	108.4	0.006
IMP_S20.0.0_A7	S21.0.0		Time of Concentration	0.002	100	8.4	108.4	0.003
IMP_S20.0.0_A8	S21.0.0		Time of Concentration	0.011	100	8.4	108.4	0.012
IMP_S21.0.0_A1	S22.0.0		Time of Concentration	0.027	100	0.0	100.0	0.027
IMP_S21.0.0_A2	S22.0.0		Time of Concentration	0.012	100	8.4	108.4	0.013
IMP_S21.0.0_A3	S22.0.0		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S21.0.0_A4	S22.0.0		Time of Concentration	0.011	100	8.4	108.4	0.012
IMP_S21.0.0_A5	S22.0.0		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S21.0.0_A6	S22.0.0		Time of Concentration	0.004	100	8.4	108.4	0.004
IMP_S22.0.0_A1	S23.0.0		Time of Concentration	0.007	100	0.0	100.0	0.007
IMP_S22.0.0_A2	S23.0.0		Time of Concentration	0.010	100	8.4	108.4	0.011
IMP_S22.0.0_A3	S23.0.0		Time of Concentration	0.005	100	8.4	108.4	0.005
IMP_S22.0.0_A4	S23.0.0		Time of Concentration	0.002	100	8.4	108.4	0.003
IMP_S23.1.0	S24.1.0 (FC)		Time of Concentration	0.016	100	0.0	100.0	0.016
IMP_S23.2.0_A1	S24.2.0		Time of Concentration	0.055	100	0.0	100.0	0.055
IMP_S23.2.0_A2	S24.2.0		Time of Concentration	0.004	100	7.1	107.1	0.005
IMP_S23.2.0_A3	S24.2.0		Time of Concentration	0.006	100	7.1	107.1	0.007
IMP_S23.2.0_A4	S24.2.0		Time of Concentration	0.006	100	7.1	107.1	0.006
IMP_S23.2.0_A5	S24.2.0		Time of Concentration	0.009	100	7.1	107.1	0.009
IMP_S23.2.0_A6	S24.2.0		Time of Concentration	0.005	100	7.1	107.1	0.006
IMP_S23.2.0_A7	S24.2.0		Time of Concentration	0.005	100	7.1	107.1	0.005
IMP_S23.2.0_A8	S24.2.0		Time of Concentration	0.009	100	7.1	107.1	0.009
IMP_S23.2.0_A9	S24.2.0		Time of Concentration	0.006	100	7.1	107.1	0.007
IMP_S23.3.0_A1	S24.3.0		Time of Concentration	0.008	100	0.0	100.0	0.008
IMP_S23.3.0_A2	S24.3.0		Time of Concentration	0.010	100	7.1	107.1	0.011
IMP_S23.4.0_A1	S24.4.0		Time of Concentration	0.006	100	0.0	100.0	0.006
IMP_S23.4.0_A2	S24.4.0		Time of Concentration	0.005	100	7.1	107.1	0.006

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
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Report Details: Type: Inflow Summary Storm Phase: Phase		Revision: Rev 1			

IMP_S23.4.0_A3	S24.4.0		Time of Concentration	0.005	100	7.1	107.1	0.005
IMP_S23.5.0_A1	S24.5.0		Time of Concentration	0.014	100	0.0	100.0	0.014
IMP_S23.5.0_A2	S24.5.0		Time of Concentration	0.004	100	7.1	107.1	0.005
IMP_S23.5.0_A3	S24.5.0		Time of Concentration	0.006	100	7.1	107.1	0.006
IMP_S23.5.0_A4	S24.5.0		Time of Concentration	0.006	100	7.1	107.1	0.007
IMP_S23.5.0_A5	S24.5.0		Time of Concentration	0.004	100	7.1	107.1	0.005
IMP_S23.5.0_A6	S24.5.0		Time of Concentration	0.004	100	7.1	107.1	0.005
IMP_S23.5.0_A7	S24.5.0		Time of Concentration	0.005	100	7.1	107.1	0.005
IMP_S23.5.0_A8	S24.5.0		Time of Concentration	0.005	100	7.1	107.1	0.006
IMP_S23.5.0_A9	S24.5.0		Time of Concentration	0.009	100	7.1	107.1	0.009
IMP_S23.5.0_A10	S24.5.0		Time of Concentration	0.006	100	7.1	107.1	0.007
IMP_S23.5.0_A11	S24.5.0		Time of Concentration	0.015	100	0.0	100.0	0.015
IMP_S23.9.0_A1	S24.9.0		Time of Concentration	0.024	100	0.0	100.0	0.024
IMP_S23.9.0_A2	S24.9.0		Time of Concentration	0.005	100	7.1	107.1	0.006
IMP_S23.9.0_A3	S24.9.0		Time of Concentration	0.005	100	7.1	107.1	0.005
IMP_S23.9.0_A4	S24.9.0		Time of Concentration	0.005	100	7.1	107.1	0.006
IMP_S23.9.0_A5	S24.9.0		Time of Concentration	0.005	100	7.1	107.1	0.005
IMP_S23.9.0_A6	S24.9.0		Time of Concentration	0.006	100	7.1	107.1	0.007
RMA1 - Sec. Road 1	S2.1.2		Time of Concentration	0.047	100	0.0	100.0	0.047
RMA1 - Sec. Road 2	S2.1.3		Time of Concentration	0.005	100	0.0	100.0	0.005
TOTAL	0.0			7.716				8.037

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Network Design Criteria Storm Phase: Phase	Revision: Rev 1			

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) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Report Details: Type: Outfall Details Storm Phase: Phase	Revision: Rev 1			

Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
HW 2.1	Free Discharge			
HW24.0 (Outfall)	Free Discharge			

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Report Title: Rainfall Analysis Criteria	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		
FEH2022		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) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
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Report Details: Type: Junctions Summary Storm Phase: Phase	Revision: Rev 1			



FEH2022: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Outflow

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
S2.2.0	FEH2022: 2 years: +0 %: 120 mins: Summer	56.315	54.290	54.906	0.616	447.3	2.786	0.000	446.4	1439.726	OK
S2.1.1	FEH2022: 2 years: +0 %: 120 mins: Summer	56.350	53.990	54.906	0.916	17.2	4.143	0.000	15.6	185.406	Surcharged
HW 2.1	FEH2022: 2 years: +0 %: 180 mins: Summer	54.700	53.910	53.996	0.086	15.6	0.000	0.000	15.6	281.915	OK
S2.1.0	FEH2022: 2 years: +0 %: 180 mins: Summer	54.830	53.930	54.024	0.094	15.6	0.166	0.000	15.6	281.915	OK
S2.3.0	FEH2022: 2 years: +0 %: 120 mins: Summer	56.500	54.600	54.906	0.306	8.2	0.346	0.000	8.2	15.541	Surcharged
S2.1.3	FEH2022: 2 years: +0 %: 120 mins: Summer	56.000	54.665	54.906	0.241	0.4	0.272	0.000	0.4	0.665	Surcharged
S2.1.2	FEH2022: 2 years: +0 %: 120 mins: Summer	55.830	54.590	54.906	0.316	4.9	0.357	0.000	4.9	9.169	Surcharged
S2.4.0	FEH2022: 2 years: +0 %: 120 mins: Summer	56.490	54.625	54.906	0.281	8.2	0.318	0.000	8.2	16.046	OK
S2.5.0	FEH2022: 2 years: +0 %: 120 mins: Summer	56.800	54.940	54.962	0.022	1.1	0.025	0.000	1.1	2.267	OK
S5.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	56.680	54.580	54.957	0.377	427.3	0.427	0.000	426.5	1408.989	OK
S4.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	56.165	54.310	54.906	0.596	448.3	0.674	0.000	447.3	1446.148	OK
S4.1.0	FEH2022: 2 years: +0 %: 120 mins: Summer	56.590	54.875	54.923	0.048	16.4	0.055	0.000	16.4	34.704	OK
S4.1.1	FEH2022: 2 years: +0 %: 120 mins: Summer	57.240	56.115	56.139	0.024	2.2	0.027	0.000	2.2	4.704	OK
S4.2.0	FEH2022: 2 years: +0 %: 120 mins: Summer	55.980	54.995	55.039	0.044	3.0	0.050	0.000	3.0	6.310	OK
S6.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	57.075	54.725	55.126	0.401	424.7	0.453	0.000	424.3	1407.837	OK
S7.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	57.350	54.825	55.247	0.422	418.4	0.477	0.000	418.0	1395.371	OK
S8.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	57.660	54.940	55.366	0.426	414.9	0.482	0.000	414.5	1387.738	OK
S9.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	57.885	55.005	55.462	0.457	411.0	0.517	0.000	412.1	1382.127	OK
S9.0.1	FEH2022: 2 years: +0 %: 120 mins: Summer	57.705	55.675	55.729	0.054	10.3	0.062	0.000	10.3	21.675	OK
S9.0.2	FEH2022: 2 years: +0 %: 120 mins: Summer	56.915	55.975	56.004	0.029	1.8	0.033	0.000	1.8	3.858	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model				Date: 29/06/2026							
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				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S9.1.0	FEH2022: 2 years: +0 %: 120 mins: Summer	58.05 5	55.27 0	55.471	0.201	168.0	0.227	0.000	165.8	354.950	OK
S9.2.0	FEH2022: 2 years: +0 %: 120 mins: Summer	58.05 0	55.38 5	55.613	0.228	164.8	0.258	0.000	164.5	347.743	OK
S9.3.0	FEH2022: 2 years: +0 %: 120 mins: Summer	57.60 0	55.79 0	55.997	0.207	154.8	0.234	0.000	154.7	326.433	OK
S9.4.0	FEH2022: 2 years: +0 %: 120 mins: Summer	58.06 0	56.12 0	56.329	0.209	141.7	0.236	0.000	141.7	298.798	OK
S24.6.0	FEH2022: 2 years: +0 %: 120 mins: Summer	58.08 0	55.46 5	55.522	0.057	6.1	0.065	0.000	6.1	12.792	OK
S24.7.0	FEH2022: 2 years: +0 %: 120 mins: Summer	57.97 0	55.60 5	55.653	0.048	6.1	0.055	0.000	6.1	12.798	OK
S24.5.0	FEH2022: 2 years: +0 %: 120 mins: Summer	58.19 0	55.34 0	55.429	0.089	13.8	0.101	0.000	13.8	29.014	OK
S9.5.0	FEH2022: 2 years: +0 %: 120 mins: Summer	58.29 0	56.28 0	56.486	0.206	140.6	0.233	0.000	140.6	296.334	OK
S9.6.0	FEH2022: 2 years: +0 %: 120 mins: Summer	59.90 0	56.76 0	56.957	0.197	128.8	0.222	0.000	128.8	271.346	OK
S9.6.1	FEH2022: 2 years: +0 %: 120 mins: Summer	59.74 0	58.31 5	58.331	0.016	1.9	0.018	0.000	1.9	3.926	OK
S9.7.0	FEH2022: 2 years: +0 %: 120 mins: Summer	59.57 5	57.54 5	57.693	0.148	124.0	0.167	0.000	123.9	261.153	OK
S9.7.1	FEH2022: 2 years: +0 %: 120 mins: Summer	59.64 5	58.00 0	58.034	0.034	5.7	0.039	0.000	5.7	12.002	OK
S9.7.2	FEH2022: 2 years: +0 %: 120 mins: Summer	59.47 5	58.35 0	58.380	0.030	3.0	0.034	0.000	3.0	6.306	OK
S9.8.0	FEH2022: 2 years: +0 %: 120 mins: Summer	59.69 0	57.81 0	57.978	0.168	116.2	0.189	0.000	116.2	244.723	OK
S9.9.0	FEH2022: 2 years: +0 %: 120 mins: Summer	60.95 5	58.96 0	59.100	0.140	97.0	0.159	0.000	100.2	211.137	OK
S9.10.0	FEH2022: 2 years: +0 %: 120 mins: Summer	61.16 5	58.99 5	59.218	0.223	98.3	0.252	0.000	95.0	206.932	OK
S9.10.1	FEH2022: 2 years: +0 %: 120 mins: Summer	61.31 5	59.52 5	59.551	0.026	4.9	0.029	0.000	4.9	10.333	OK
S9.10.2	FEH2022: 2 years: +0 %: 120 mins: Summer	61.41 0	60.28 5	60.309	0.024	2.4	0.027	0.000	2.4	5.034	OK
S9.11.0	FEH2022: 2 years: +0 %: 120 mins: Summer	61.38 5	59.04 0	59.286	0.246	90.6	0.278	0.000	90.6	190.853	OK
S9.12.0	FEH2022: 2 years: +0 %: 120 mins: Summer	61.72 5	59.16 0	59.387	0.227	82.2	0.257	0.000	82.2	173.133	OK
S9.12.1	FEH2022: 2 years: +0 %: 120 mins: Summer	62.84 0	60.65 0	60.708	0.058	16.1	0.065	0.000	16.1	33.861	OK
S9.12.2	FEH2022: 2 years: +0 %: 120 mins: Summer	63.14 5	61.06 5	61.114	0.049	8.9	0.055	0.000	8.8	18.592	OK
S9.12.3	FEH2022: 2 years: +0 %: 120 mins: Summer	63.22 0	61.40 0	61.449	0.049	7.5	0.055	0.000	7.5	15.863	OK

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				Revision: Rev 1						

S9.12.4	FEH2022: 2 years: +0 %: 120 mins: Summer	63.10 0	61.64 5	61.683	0.038	5.0	0.043	0.000	5.0	10.439	OK
S9.12.5	FEH2022: 2 years: +0 %: 120 mins: Summer	62.91 0	61.78 5	61.828	0.043	3.4	0.049	0.000	3.4	7.122	OK
S9.12.6	FEH2022: 2 years: +0 %: 120 mins: Summer	62.94 0	61.41 0	61.435	0.025	3.2	0.028	0.000	3.2	6.708	OK
S9.12.7	FEH2022: 2 years: +0 %: 120 mins: Summer	63.08 5	61.96 0	61.978	0.018	1.5	0.020	0.000	1.5	3.246	OK
S9.13.0	FEH2022: 2 years: +0 %: 120 mins: Summer	61.66 0	59.32 5	59.467	0.142	56.8	0.160	0.000	56.8	119.683	OK
S9.14.0	FEH2022: 2 years: +0 %: 120 mins: Summer	61.44 0	59.42 5	59.583	0.158	51.8	0.179	0.000	51.8	109.205	OK
S9.15.0	FEH2022: 2 years: +0 %: 120 mins: Summer	61.28 5	59.49 5	59.648	0.153	43.6	0.173	0.000	43.6	91.889	OK
S9.16.0	FEH2022: 2 years: +0 %: 120 mins: Summer	61.25 5	59.60 5	59.726	0.121	31.5	0.137	0.000	31.5	66.340	OK
S9.16.1	FEH2022: 2 years: +0 %: 120 mins: Summer	62.57 0	61.14 5	61.186	0.041	8.0	0.046	0.000	8.0	16.769	OK
S9.16.2	FEH2022: 2 years: +0 %: 120 mins: Summer	62.86 5	61.48 5	61.520	0.035	4.3	0.039	0.000	4.3	9.131	OK
S9.16.3	FEH2022: 2 years: +0 %: 120 mins: Summer	63.14 0	61.75 5	61.783	0.028	2.8	0.032	0.000	2.8	5.879	OK
S9.16.4	FEH2022: 2 years: +0 %: 120 mins: Summer	63.26 0	62.13 5	62.161	0.026	2.4	0.030	0.000	2.4	5.034	OK
S9.17.0	FEH2022: 2 years: +0 %: 120 mins: Summer	61.89 0	60.10 5	60.140	0.035	3.2	0.039	0.000	3.2	6.745	OK
S10.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	59.76 5	56.47 0	56.652	0.182	213.8	0.205	0.000	213.7	961.840	OK
S10.0.1	FEH2022: 2 years: +0 %: 120 mins: Summer	59.86 5	56.97 0	57.035	0.065	28.7	0.073	0.000	28.6	60.328	OK
S10.0.2	FEH2022: 2 years: +0 %: 120 mins: Summer	59.28 5	57.60 5	57.697	0.092	25.3	0.104	0.000	25.3	53.230	OK
S10.0.3	FEH2022: 2 years: +0 %: 120 mins: Summer	59.24 0	57.78 0	57.874	0.094	23.0	0.106	0.000	23.0	48.515	OK
S10.0.4	FEH2022: 2 years: +0 %: 120 mins: Summer	59.59 5	58.17 5	58.248	0.073	11.7	0.082	0.000	11.7	24.736	OK
S10.0.5	FEH2022: 2 years: +0 %: 120 mins: Summer	59.76 0	58.33 5	58.388	0.053	6.3	0.060	0.000	6.3	13.309	OK
S10.1.0	FEH2022: 2 years: +0 %: 120 mins: Summer	59.18 5	57.04 0	57.173	0.133	43.6	0.150	0.000	43.6	91.877	OK
S10.1.1	FEH2022: 2 years: +0 %: 120 mins: Summer	58.73 0	57.30 5	57.344	0.039	3.5	0.044	0.000	3.5	7.376	OK
S10.2.0	FEH2022: 2 years: +0 %: 120 mins: Summer	60.99 0	58.51 5	58.581	0.066	17.4	0.075	0.000	17.3	36.536	OK
S10.2.1	FEH2022: 2 years: +0 %: 120 mins: Summer	60.23 0	58.80 5	58.858	0.053	6.2	0.060	0.000	6.2	12.998	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
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				Revision: Rev 1							

S10.3.0	FEH2022: 2 years: +0 %: 120 mins: Summer	61.44 5	60.02 0	60.047	0.027	3.1	0.030	0.000	3.1	6.470	OK
S11.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	60.80 5	57.01 0	57.178	0.168	134.8	0.190	0.000	134.7	795.881	OK
S11.0.1	FEH2022: 2 years: +0 %: 120 mins: Summer	60.25 0	58.82 5	58.852	0.027	4.1	0.030	0.000	4.1	8.536	OK
S12.0.0	FEH2022: 2 years: +0 %: 360 mins: Summer	61.66 0	57.57 0	57.723	0.153	112.5	0.173	0.000	113.5	1131.535	OK
S13.0.0	FEH2022: 2 years: +0 %: 480 mins: Summer	62.26 5	58.28 0	58.431	0.151	111.0	0.171	0.000	111.1	1211.083	OK
S13.0.1	FEH2022: 2 years: +0 %: 120 mins: Summer	62.51 5	58.92 5	58.998	0.073	15.2	0.083	0.000	15.2	31.989	OK
S13.0.2	FEH2022: 2 years: +0 %: 120 mins: Summer	62.30 5	59.02 0	59.106	0.086	12.1	0.097	0.000	12.2	25.595	OK
S13.0.3	FEH2022: 2 years: +0 %: 120 mins: Summer	60.76 5	59.34 0	59.412	0.072	9.5	0.082	0.000	9.5	19.967	OK
S14.0.0 (FC)	FEH2022: 2 years: +0 %: 480 mins: Summer	62.39 5	58.82 0	60.783	1.963	112.9	2.220	0.000	102.2	1157.505	Surcharged
S15.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	63.60 0	60.53 0	61.084	0.554	191.0	0.626	0.000	183.4	648.190	Surcharged
S15.0.1	FEH2022: 2 years: +0 %: 240 mins: Summer	63.28 0	60.79 0	61.021	0.231	16.7	0.262	0.000	16.4	123.310	OK
S15.0.2 (FC)	FEH2022: 2 years: +0 %: 120 mins: Summer	62.57 5	60.95 5	61.489	0.534	10.8	0.604	0.000	10.0	75.817	Surcharged
S15.0.3	FEH2022: 2 years: +0 %: 120 mins: Summer	63.12 0	61.54 5	61.620	0.075	31.5	0.085	0.000	31.5	66.475	OK
S15.0.4	FEH2022: 2 years: +0 %: 120 mins: Summer	65.07 5	63.57 5	63.638	0.063	18.8	0.072	0.000	18.8	39.689	OK
S15.0.5	FEH2022: 2 years: +0 %: 120 mins: Summer	65.50 0	64.00 0	64.057	0.057	17.2	0.064	0.000	17.2	36.275	OK
S15.0.6	FEH2022: 2 years: +0 %: 120 mins: Summer	66.18 0	64.68 0	64.729	0.049	14.5	0.056	0.000	14.5	30.611	OK
S15.0.7	FEH2022: 2 years: +0 %: 120 mins: Summer	67.03 0	65.52 5	65.571	0.046	12.6	0.052	0.000	12.6	26.621	OK
S15.0.8	FEH2022: 2 years: +0 %: 120 mins: Summer	68.27 5	66.83 5	66.873	0.038	7.5	0.043	0.000	7.5	15.857	OK
S15.0.9	FEH2022: 2 years: +0 %: 120 mins: Summer	70.15 0	68.72 5	68.744	0.019	1.6	0.021	0.000	1.6	3.353	OK
S15.1.0	FEH2022: 2 years: +0 %: 120 mins: Summer	63.51 0	60.77 5	61.085	0.310	29.0	0.351	0.000	26.9	182.203	OK
S15.2.0	FEH2022: 2 years: +0 %: 120 mins: Summer	63.67 0	60.95 0	61.090	0.140	26.0	0.158	0.000	26.1	176.200	OK
S15.3.0	FEH2022: 2 years: +0 %: 120 mins: Summer	64.16 0	61.49 5	61.568	0.073	17.7	0.082	0.000	17.7	159.022	OK
S15.4.0	FEH2022: 2 years: +0 %: 120 mins: Summer	64.34 5	61.70 0	61.768	0.068	14.5	0.077	0.000	14.5	152.681	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S15.5.0 (FC)	FEH2022: 2 years: +0 %: 120 mins: Summer	64.50 0	61.87 0	62.581	0.711	13.2	0.804	0.000	11.0	145.480	Surcharged
S15.6.0	FEH2022: 2 years: +0 %: 120 mins: Summer	64.63 0	62.87 5	62.978	0.103	72.8	0.116	0.000	72.8	153.425	OK
S15.7.0	FEH2022: 2 years: +0 %: 120 mins: Summer	65.94 5	64.30 0	64.406	0.106	66.0	0.120	0.000	66.0	139.017	OK
S15.8.0	FEH2022: 2 years: +0 %: 120 mins: Summer	66.36 5	64.79 0	64.902	0.112	65.0	0.127	0.000	65.0	137.072	OK
S15.8.1	FEH2022: 2 years: +0 %: 120 mins: Summer	66.65 5	65.07 5	65.203	0.128	46.6	0.145	0.000	46.6	98.218	OK
S15.8.2	FEH2022: 2 years: +0 %: 120 mins: Summer	66.91 5	65.41 5	65.537	0.122	38.6	0.138	0.000	38.6	81.267	OK
S15.8.3	FEH2022: 2 years: +0 %: 120 mins: Summer	67.04 5	65.54 5	65.667	0.122	32.3	0.139	0.000	32.3	68.164	OK
S15.8.4	FEH2022: 2 years: +0 %: 120 mins: Summer	68.09 5	66.59 5	66.668	0.073	28.9	0.082	0.000	28.9	60.870	OK
S15.8.5	FEH2022: 2 years: +0 %: 120 mins: Summer	69.83 5	68.33 5	68.389	0.054	16.2	0.061	0.000	16.2	34.155	OK
S15.8.6	FEH2022: 2 years: +0 %: 120 mins: Summer	70.79 0	69.29 0	69.341	0.051	14.1	0.057	0.000	14.1	29.670	OK
S15.8.7	FEH2022: 2 years: +0 %: 120 mins: Summer	71.32 0	69.89 5	69.923	0.028	2.1	0.032	0.000	2.1	4.366	OK
S15.9.0	FEH2022: 2 years: +0 %: 120 mins: Summer	67.20 0	65.80 0	65.856	0.056	17.2	0.063	0.000	17.2	36.316	OK
S15.10.0	FEH2022: 2 years: +0 %: 120 mins: Summer	67.87 5	66.45 0	66.511	0.061	17.2	0.070	0.000	17.2	36.317	OK
S15.11.0	FEH2022: 2 years: +0 %: 120 mins: Summer	68.36 5	66.94 0	67.002	0.062	17.2	0.070	0.000	17.2	36.317	OK
S15.12.0	FEH2022: 2 years: +0 %: 120 mins: Summer	71.43 5	69.95 0	69.990	0.040	8.3	0.046	0.000	8.3	17.429	OK
S15.13.0	FEH2022: 2 years: +0 %: 120 mins: Summer	73.51 5	72.09 0	72.114	0.024	2.9	0.027	0.000	2.9	6.108	OK
S16.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	65.85 5	62.37 5	62.512	0.137	137.6	0.155	0.000	137.9	344.190	OK
S16.1.0	FEH2022: 2 years: +0 %: 120 mins: Summer	66.28 5	63.19 5	63.252	0.057	27.6	0.064	0.000	27.6	58.319	OK
S16.2.0	FEH2022: 2 years: +0 %: 120 mins: Summer	66.62 5	65.12 5	65.182	0.057	22.2	0.064	0.000	22.2	46.971	OK
S16.2.1	FEH2022: 2 years: +0 %: 120 mins: Summer	67.28 0	65.59 0	65.629	0.039	5.9	0.044	0.000	5.9	12.412	OK
S16.2.2	FEH2022: 2 years: +0 %: 120 mins: Summer	67.81 5	65.93 0	65.967	0.037	4.7	0.042	0.000	4.7	9.845	OK
S16.2.3	FEH2022: 2 years: +0 %: 120 mins: Summer	68.03 0	66.09 5	66.124	0.029	2.9	0.033	0.000	2.9	6.101	OK
S16.2.4	FEH2022: 2 years: +0 %: 120 mins: Summer	68.02 0	66.59 5	66.616	0.021	1.4	0.023	0.000	1.4	3.006	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model				Date: 29/06/2026						
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:				
				J. Dunesby	W. Nienaber	W. Nienaber				
				Revision: Rev 1						

S16.3.0	FEH2022: 2 years: +0 %: 120 mins: Summer	66.74 0	65.32 5	65.399	0.074	13.8	0.084	0.000	13.8	29.208	OK
S16.4.0	FEH2022: 2 years: +0 %: 120 mins: Summer	67.04 0	65.61 5	65.657	0.042	4.0	0.047	0.000	4.0	8.531	OK
S16.5.0	FEH2022: 2 years: +0 %: 120 mins: Summer	65.72 0	62.49 0	62.610	0.120	39.9	0.135	0.000	39.9	137.967	OK
S16.6.0	FEH2022: 2 years: +0 %: 120 mins: Summer	65.16 5	62.61 5	62.744	0.129	31.7	0.146	0.000	31.7	120.744	OK
S16.7.0	FEH2022: 2 years: +0 %: 120 mins: Summer	64.95 0	62.66 5	62.789	0.124	26.1	0.140	0.000	26.1	108.915	OK
S16.7.1	FEH2022: 2 years: +0 %: 120 mins: Summer	64.51 0	63.01 0	63.066	0.056	9.7	0.063	0.000	9.7	20.394	OK
S16.8.0	FEH2022: 2 years: +0 %: 120 mins: Summer	65.72 5	63.83 5	63.876	0.041	12.2	0.046	0.000	12.1	79.558	OK
S16.10.0	FEH2022: 2 years: +0 %: 120 mins: Summer	68.88 5	67.38 5	67.435	0.050	17.1	0.057	0.000	17.2	36.226	OK
S16.11.0	FEH2022: 2 years: +0 %: 120 mins: Summer	70.13 0	68.54 5	68.595	0.050	12.7	0.056	0.000	12.7	26.885	OK
S16.11.1	FEH2022: 2 years: +0 %: 120 mins: Summer	70.15 0	68.77 0	68.801	0.031	2.1	0.035	0.000	2.1	4.456	OK
S16.11.2	FEH2022: 2 years: +0 %: 120 mins: Summer	70.29 5	68.87 0	68.888	0.018	0.6	0.020	0.000	0.6	1.200	OK
S16.12.0	FEH2022: 2 years: +0 %: 120 mins: Summer	70.41 0	68.98 5	69.019	0.034	4.0	0.039	0.000	4.0	8.393	OK
S16.13.0	FEH2022: 2 years: +0 %: 120 mins: Summer	70.99 5	69.57 0	69.588	0.018	1.2	0.020	0.000	1.2	2.562	OK
S17.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	68.22 5	65.21 0	65.300	0.090	61.9	0.101	0.000	62.0	130.613	OK
S18.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	69.85 5	67.05 0	67.133	0.083	50.0	0.094	0.000	50.0	105.356	OK
S18.0.1	FEH2022: 2 years: +0 %: 120 mins: Summer	70.27 0	68.17 5	68.232	0.057	14.9	0.064	0.000	14.9	31.405	OK
S18.0.2	FEH2022: 2 years: +0 %: 120 mins: Summer	70.60 0	69.17 5	69.211	0.036	5.5	0.041	0.000	5.5	11.634	OK
S19.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	70.96 0	68.41 0	68.471	0.061	25.3	0.070	0.000	25.3	53.271	OK
S20.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	71.62 0	70.12 0	70.173	0.053	17.7	0.060	0.000	17.7	37.413	OK
S21.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	72.77 5	70.77 5	70.843	0.068	15.7	0.077	0.000	15.7	33.119	OK
S22.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	74.34 0	72.11 5	72.163	0.048	8.4	0.055	0.000	8.4	17.766	OK
S23.0.0	FEH2022: 2 years: +0 %: 120 mins: Summer	74.01 5	72.59 0	72.619	0.029	2.4	0.033	0.000	2.4	5.094	OK
HW24.0 (Outfall)	FEH2022: 2 years: +0 %: 10080 mins: Summer	55.03 0	53.57 0	53.585	0.015	0.6	0.000	0.000	0.6	322.104	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Junctions Summary Storm Phase: Phase		Revision: Rev 1			

S24.0.0	FEH2022: 2 years: +0 %: 10080 mins: Summer	55.14 0	53.62 0	53.635	0.015	0.6	0.017	0.000	0.6	322.104	OK
S24.1.0 (FC)	FEH2022: 2 years: +0 %: 10080 mins: Summer	55.77 0	53.78 0	54.442	0.662	0.6	0.749	0.000	0.6	322.105	Surcharged
S24.2.0	FEH2022: 2 years: +0 %: 120 mins: Winter	56.09 0	53.85 0	54.199	0.349	20.2	0.395	0.000	1.6	55.590	OK
S24.3.0	FEH2022: 2 years: +0 %: 120 mins: Summer	57.67 5	55.16 5	55.226	0.061	17.1	0.069	0.000	17.1	36.176	OK
S24.4.0	FEH2022: 2 years: +0 %: 120 mins: Summer	57.90 5	55.28 0	55.356	0.076	15.3	0.086	0.000	15.3	32.308	OK
S24.8.0	FEH2022: 2 years: +0 %: 120 mins: Summer	57.39 0	55.71 0	55.770	0.060	6.1	0.068	0.000	6.1	12.798	OK
S24.9.0	FEH2022: 2 years: +0 %: 120 mins: Summer	56.96 0	55.83 5	55.888	0.053	5.0	0.059	0.000	5.0	10.447	OK
S16.9.0 (FC)	FEH2022: 2 years: +0 %: 240 mins: Summer	66.59 0	64.52 0	64.828	0.308	23.5	0.349	0.000	9.5	135.782	Surcharged

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Junctions Summary Storm Phase: Phase	Revision: Rev 1			



FEH2022: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Outflow

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
S2.2.0	FEH2022: 30 years: +0 %: 120 mins: Summer	56.315	54.290	55.308	1.018	818.8	4.605	0.000	816.6	2682.808	Surcharged
S2.1.1	FEH2022: 30 years: +0 %: 960 mins: Winter	56.350	53.990	55.501	1.511	72.8	6.834	0.000	72.8	3126.951	Surcharged
HW 2.1	FEH2022: 30 years: +0 %: 960 mins: Winter	54.700	53.910	54.101	0.191	72.8	0.000	0.000	72.8	3126.281	OK
S2.1.0	FEH2022: 30 years: +0 %: 960 mins: Winter	54.830	53.930	54.146	0.216	72.8	0.382	0.000	72.8	3126.281	OK
S2.3.0	FEH2022: 30 years: +0 %: 120 mins: Summer	56.500	54.600	55.308	0.708	15.5	0.801	0.000	14.8	31.480	Surcharged
S2.1.3	FEH2022: 30 years: +0 %: 120 mins: Summer	56.000	54.665	55.308	0.643	0.9	0.727	0.000	0.6	1.079	Surcharged
S2.1.2	FEH2022: 30 years: +0 %: 120 mins: Summer	55.830	54.590	55.308	0.718	9.3	0.812	0.000	8.4	18.870	Surcharged
S2.4.0	FEH2022: 30 years: +0 %: 120 mins: Summer	56.490	54.625	55.308	0.683	16.5	0.772	0.000	15.5	32.409	Surcharged
S2.5.0	FEH2022: 30 years: +0 %: 120 mins: Summer	56.800	54.940	55.308	0.368	2.2	0.416	0.000	2.2	3.852	Surcharged
S5.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	56.680	54.580	55.309	0.729	781.7	0.824	0.000	779.5	2615.589	OK
S4.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	56.165	54.310	55.308	0.998	821.3	1.129	0.000	818.8	2692.994	Surcharged
S4.1.0	FEH2022: 30 years: +0 %: 120 mins: Summer	56.590	54.875	55.308	0.433	33.3	0.490	0.000	32.5	66.853	Surcharged
S4.1.1	FEH2022: 30 years: +0 %: 120 mins: Summer	57.240	56.115	56.148	0.033	4.5	0.037	0.000	4.5	9.503	OK
S4.2.0	FEH2022: 30 years: +0 %: 120 mins: Summer	55.980	54.995	55.308	0.313	6.1	0.354	0.000	6.1	11.819	Surcharged
S6.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	57.075	54.725	55.377	0.652	776.9	0.737	0.000	775.6	2614.689	OK
S7.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	57.350	54.825	55.525	0.700	764.2	0.792	0.000	763.2	2593.497	OK
S8.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	57.660	54.940	55.666	0.726	757.0	0.821	0.000	756.4	2582.440	OK
S9.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	57.885	55.005	55.793	0.788	752.7	0.891	0.000	751.4	2574.627	Surcharged
S9.0.1	FEH2022: 30 years: +0 %: 120 mins: Summer	57.705	55.675	55.813	0.138	20.7	0.156	0.000	20.3	43.715	OK
S9.0.2	FEH2022: 30 years: +0 %: 120 mins: Summer	56.915	55.975	56.016	0.041	3.7	0.046	0.000	3.7	7.782	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S9.1.0	FEH2022: 30 years: +0 %: 120 mins: Summer	58.05 5	55.27 0	55.814	0.544	337.7	0.616	0.000	336.5	718.260	OK
S9.2.0	FEH2022: 30 years: +0 %: 120 mins: Summer	58.05 0	55.38 5	55.854	0.469	333.0	0.530	0.000	330.7	703.365	OK
S9.3.0	FEH2022: 30 years: +0 %: 120 mins: Summer	57.60 0	55.79 0	56.111	0.321	312.3	0.363	0.000	312.5	660.151	OK
S9.4.0	FEH2022: 30 years: +0 %: 120 mins: Summer	58.06 0	56.12 0	56.439	0.319	285.8	0.361	0.000	285.8	604.100	OK
S24.6.0	FEH2022: 30 years: +0 %: 120 mins: Summer	58.08 0	55.46 5	55.547	0.082	12.3	0.093	0.000	12.3	25.953	OK
S24.7.0	FEH2022: 30 years: +0 %: 120 mins: Summer	57.97 0	55.60 5	55.677	0.072	12.3	0.081	0.000	12.3	25.962	OK
S24.5.0	FEH2022: 30 years: +0 %: 120 mins: Summer	58.19 0	55.34 0	55.471	0.131	27.9	0.148	0.000	27.9	58.869	OK
S9.5.0	FEH2022: 30 years: +0 %: 120 mins: Summer	58.29 0	56.28 0	56.608	0.328	283.4	0.371	0.000	283.5	599.124	OK
S9.6.0	FEH2022: 30 years: +0 %: 120 mins: Summer	59.90 0	56.76 0	57.064	0.304	259.0	0.344	0.000	259.4	548.400	OK
S9.6.1	FEH2022: 30 years: +0 %: 120 mins: Summer	59.74 0	58.31 5	58.337	0.022	3.7	0.025	0.000	3.7	7.911	OK
S9.7.0	FEH2022: 30 years: +0 %: 120 mins: Summer	59.57 5	57.54 5	57.774	0.229	249.7	0.259	0.000	249.2	527.808	OK
S9.7.1	FEH2022: 30 years: +0 %: 120 mins: Summer	59.64 5	58.00 0	58.049	0.049	11.5	0.055	0.000	11.5	24.254	OK
S9.7.2	FEH2022: 30 years: +0 %: 120 mins: Summer	59.47 5	58.35 0	58.392	0.042	6.1	0.047	0.000	6.1	12.744	OK
S9.8.0	FEH2022: 30 years: +0 %: 120 mins: Summer	59.69 0	57.81 0	58.072	0.262	235.1	0.296	0.000	233.9	494.596	OK
S9.9.0	FEH2022: 30 years: +0 %: 120 mins: Summer	60.95 5	58.96 0	59.170	0.210	186.9	0.238	0.000	202.9	426.633	OK
S9.10.0	FEH2022: 30 years: +0 %: 120 mins: Summer	61.16 5	58.99 5	59.322	0.327	199.1	0.370	0.000	182.9	417.815	OK
S9.10.1	FEH2022: 30 years: +0 %: 120 mins: Summer	61.31 5	59.52 5	59.561	0.036	9.9	0.041	0.000	9.9	20.857	OK
S9.10.2	FEH2022: 30 years: +0 %: 120 mins: Summer	61.41 0	60.28 5	60.319	0.034	4.8	0.038	0.000	4.8	10.170	OK
S9.11.0	FEH2022: 30 years: +0 %: 120 mins: Summer	61.38 5	59.04 0	59.428	0.388	182.4	0.439	0.000	183.7	385.619	OK
S9.12.0	FEH2022: 30 years: +0 %: 120 mins: Summer	61.72 5	59.16 0	59.548	0.388	165.9	0.438	0.000	165.4	349.842	OK
S9.12.1	FEH2022: 30 years: +0 %: 120 mins: Summer	62.84 0	60.65 0	60.733	0.083	32.5	0.094	0.000	32.5	68.397	OK
S9.12.2	FEH2022: 30 years: +0 %: 120 mins: Summer	63.14 5	61.06 5	61.136	0.071	17.8	0.081	0.000	17.8	37.570	OK
S9.12.3	FEH2022: 30 years: +0 %: 120 mins: Summer	63.22 0	61.40 0	61.470	0.070	15.2	0.079	0.000	15.2	32.033	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026				
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber		
Report Details: Type: Junctions Summary Storm Phase: Phase		Revision: Rev 1			

S9.12.4	FEH2022: 30 years: +0 %: 120 mins: Summer	63.10 0	61.64 5	61.701	0.056	10.0	0.063	0.000	10.0	21.083	OK
S9.12.5	FEH2022: 30 years: +0 %: 120 mins: Summer	62.91 0	61.78 5	61.846	0.061	6.8	0.069	0.000	6.8	14.388	OK
S9.12.6	FEH2022: 30 years: +0 %: 120 mins: Summer	62.94 0	61.41 0	61.445	0.035	6.4	0.039	0.000	6.4	13.512	OK
S9.12.7	FEH2022: 30 years: +0 %: 120 mins: Summer	63.08 5	61.96 0	61.985	0.025	3.1	0.028	0.000	3.1	6.534	OK
S9.13.0	FEH2022: 30 years: +0 %: 120 mins: Summer	61.66 0	59.32 5	59.577	0.252	114.7	0.285	0.000	114.7	241.901	OK
S9.14.0	FEH2022: 30 years: +0 %: 120 mins: Summer	61.44 0	59.42 5	59.677	0.252	104.7	0.285	0.000	104.6	220.731	OK
S9.15.0	FEH2022: 30 years: +0 %: 120 mins: Summer	61.28 5	59.49 5	59.735	0.240	88.1	0.272	0.000	88.1	185.751	OK
S9.16.0	FEH2022: 30 years: +0 %: 120 mins: Summer	61.25 5	59.60 5	59.793	0.188	63.7	0.212	0.000	63.6	134.223	OK
S9.16.1	FEH2022: 30 years: +0 %: 120 mins: Summer	62.57 0	61.14 5	61.203	0.058	16.1	0.065	0.000	16.1	33.911	OK
S9.16.2	FEH2022: 30 years: +0 %: 120 mins: Summer	62.86 5	61.48 5	61.535	0.050	8.8	0.057	0.000	8.8	18.479	OK
S9.16.3	FEH2022: 30 years: +0 %: 120 mins: Summer	63.14 0	61.75 5	61.795	0.040	5.6	0.045	0.000	5.7	11.909	OK
S9.16.4	FEH2022: 30 years: +0 %: 120 mins: Summer	63.26 0	62.13 5	62.172	0.037	4.8	0.042	0.000	4.8	10.188	OK
S9.17.0	FEH2022: 30 years: +0 %: 120 mins: Summer	61.89 0	60.10 5	60.154	0.049	6.5	0.055	0.000	6.5	13.640	OK
S10.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	59.76 5	56.47 0	56.705	0.235	354.3	0.266	0.000	354.3	1730.764	OK
S10.0.1	FEH2022: 30 years: +0 %: 120 mins: Summer	59.86 5	56.97 0	57.072	0.102	57.9	0.116	0.000	57.9	122.158	OK
S10.0.2	FEH2022: 30 years: +0 %: 120 mins: Summer	59.28 5	57.60 5	57.745	0.140	51.1	0.159	0.000	51.1	107.805	OK
S10.0.3	FEH2022: 30 years: +0 %: 120 mins: Summer	59.24 0	57.78 0	57.929	0.149	46.6	0.168	0.000	46.6	98.254	OK
S10.0.4	FEH2022: 30 years: +0 %: 120 mins: Summer	59.59 5	58.17 5	58.282	0.107	23.7	0.121	0.000	23.7	50.042	OK
S10.0.5	FEH2022: 30 years: +0 %: 120 mins: Summer	59.76 0	58.33 5	58.414	0.079	12.8	0.090	0.000	12.8	26.917	OK
S10.1.0	FEH2022: 30 years: +0 %: 120 mins: Summer	59.18 5	57.04 0	57.256	0.216	88.1	0.245	0.000	88.1	185.689	OK
S10.1.1	FEH2022: 30 years: +0 %: 120 mins: Summer	58.73 0	57.30 5	57.360	0.055	7.1	0.062	0.000	7.1	14.900	OK
S10.2.0	FEH2022: 30 years: +0 %: 120 mins: Summer	60.99 0	58.51 5	58.609	0.094	35.1	0.106	0.000	35.1	73.898	OK
S10.2.1	FEH2022: 30 years: +0 %: 120 mins: Summer	60.23 0	58.80 5	58.882	0.077	12.5	0.087	0.000	12.5	26.294	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S10.3.0	FEH2022: 30 years: +0 %: 120 mins: Summer	61.44 5	60.02 0	60.057	0.037	6.2	0.042	0.000	6.2	13.064	OK
S11.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	60.80 5	57.01 0	57.217	0.207	194.5	0.234	0.000	194.4	1394.814	OK
S11.0.1	FEH2022: 30 years: +0 %: 120 mins: Summer	60.25 0	58.82 5	58.863	0.038	8.2	0.043	0.000	8.2	17.245	OK
S12.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	61.66 0	57.57 0	57.743	0.173	143.2	0.195	0.000	143.1	1287.465	OK
S13.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	62.26 5	58.28 0	58.446	0.166	132.4	0.187	0.000	132.3	1265.431	OK
S13.0.1	FEH2022: 30 years: +0 %: 120 mins: Summer	62.51 5	58.92 5	59.033	0.108	30.6	0.122	0.000	30.6	64.633	OK
S13.0.2	FEH2022: 30 years: +0 %: 120 mins: Summer	62.30 5	59.02 0	59.149	0.129	24.5	0.146	0.000	24.5	51.737	OK
S13.0.3	FEH2022: 30 years: +0 %: 120 mins: Summer	60.76 5	59.34 0	59.447	0.107	19.1	0.120	0.000	19.1	40.374	OK
S14.0.0 (FC)	FEH2022: 30 years: +0 %: 480 mins: Winter	62.39 5	58.82 0	61.162	2.342	119.5	2.649	0.000	102.3	2162.339	Surcharged
S15.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	63.60 0	60.53 0	61.651	1.121	355.6	1.267	0.000	354.5	1097.567	Surcharged
S15.0.1	FEH2022: 30 years: +0 %: 120 mins: Summer	63.28 0	60.79 0	61.654	0.864	22.4	0.977	0.000	22.7	166.478	Surcharged
S15.0.2 (FC)	FEH2022: 30 years: +0 %: 120 mins: Summer	62.57 5	60.95 5	61.890	0.935	10.6	1.057	0.000	10.0	130.543	Surcharged
S15.0.3	FEH2022: 30 years: +0 %: 120 mins: Summer	63.12 0	61.54 5	61.891	0.346	63.8	0.391	0.000	61.3	134.428	OK
S15.0.4	FEH2022: 30 years: +0 %: 120 mins: Summer	65.07 5	63.57 5	63.666	0.091	38.1	0.103	0.000	38.1	80.452	OK
S15.0.5	FEH2022: 30 years: +0 %: 120 mins: Summer	65.50 0	64.00 0	64.083	0.083	34.8	0.094	0.000	34.8	73.396	OK
S15.0.6	FEH2022: 30 years: +0 %: 120 mins: Summer	66.18 0	64.68 0	64.751	0.071	29.4	0.081	0.000	29.4	61.936	OK
S15.0.7	FEH2022: 30 years: +0 %: 120 mins: Summer	67.03 0	65.52 5	65.591	0.066	25.6	0.075	0.000	25.6	53.897	OK
S15.0.8	FEH2022: 30 years: +0 %: 120 mins: Summer	68.27 5	66.83 5	66.889	0.054	15.2	0.061	0.000	15.2	32.105	OK
S15.0.9	FEH2022: 30 years: +0 %: 120 mins: Summer	70.15 0	68.72 5	68.751	0.026	3.2	0.029	0.000	3.2	6.755	OK
S15.1.0	FEH2022: 30 years: +0 %: 120 mins: Summer	63.51 0	60.77 5	61.657	0.882	40.9	0.998	0.000	40.3	207.654	Surcharged
S15.2.0	FEH2022: 30 years: +0 %: 120 mins: Summer	63.67 0	60.95 0	61.665	0.715	40.8	0.808	0.000	35.0	195.362	Surcharged
S15.3.0	FEH2022: 30 years: +0 %: 120 mins: Summer	64.16 0	61.49 5	61.671	0.176	24.3	0.199	0.000	24.0	160.209	OK
S15.4.0	FEH2022: 30 years: +0 %: 120 mins: Summer	64.34 5	61.70 0	61.776	0.076	17.9	0.086	0.000	17.8	146.968	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S15.5.0 (FC)	FEH2022: 30 years: +0 %: 120 mins: Winter	64.50 0	61.87 0	62.962	1.092	15.0	1.235	0.000	11.0	130.920	Surcharged
S15.6.0	FEH2022: 30 years: +0 %: 120 mins: Summer	64.63 0	62.87 5	63.037	0.162	147.1	0.183	0.000	147.2	309.858	OK
S15.7.0	FEH2022: 30 years: +0 %: 120 mins: Summer	65.94 5	64.30 0	64.458	0.158	133.3	0.179	0.000	133.3	280.984	OK
S15.8.0	FEH2022: 30 years: +0 %: 120 mins: Summer	66.36 5	64.79 0	64.960	0.170	131.5	0.192	0.000	131.5	277.018	OK
S15.8.1	FEH2022: 30 years: +0 %: 120 mins: Summer	66.65 5	65.07 5	65.276	0.201	94.2	0.228	0.000	94.2	198.488	OK
S15.8.2	FEH2022: 30 years: +0 %: 120 mins: Summer	66.91 5	65.41 5	65.606	0.191	77.9	0.216	0.000	77.9	164.215	OK
S15.8.3	FEH2022: 30 years: +0 %: 120 mins: Summer	67.04 5	65.54 5	65.739	0.194	65.4	0.219	0.000	65.4	137.762	OK
S15.8.4	FEH2022: 30 years: +0 %: 120 mins: Summer	68.09 5	66.59 5	66.700	0.105	58.4	0.118	0.000	58.4	123.042	OK
S15.8.5	FEH2022: 30 years: +0 %: 120 mins: Summer	69.83 5	68.33 5	68.412	0.077	32.7	0.087	0.000	32.7	69.008	OK
S15.8.6	FEH2022: 30 years: +0 %: 120 mins: Summer	70.79 0	69.29 0	69.363	0.073	28.4	0.082	0.000	28.4	59.952	OK
S15.8.7	FEH2022: 30 years: +0 %: 120 mins: Summer	71.32 0	69.89 5	69.935	0.040	4.2	0.045	0.000	4.2	8.835	OK
S15.9.0	FEH2022: 30 years: +0 %: 120 mins: Summer	67.20 0	65.80 0	65.881	0.081	34.8	0.091	0.000	34.8	73.396	OK
S15.10.0	FEH2022: 30 years: +0 %: 120 mins: Summer	67.87 5	66.45 0	66.541	0.091	34.8	0.103	0.000	34.8	73.396	OK
S15.11.0	FEH2022: 30 years: +0 %: 120 mins: Summer	68.36 5	66.94 0	67.032	0.092	34.8	0.104	0.000	34.8	73.396	OK
S15.12.0	FEH2022: 30 years: +0 %: 120 mins: Summer	71.43 5	69.95 0	70.007	0.057	16.7	0.065	0.000	16.7	35.242	OK
S15.13.0	FEH2022: 30 years: +0 %: 120 mins: Summer	73.51 5	72.09 0	72.124	0.034	5.8	0.038	0.000	5.8	12.349	OK
S16.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	65.85 5	62.37 5	62.575	0.200	270.9	0.226	0.000	270.9	669.176	OK
S16.1.0	FEH2022: 30 years: +0 %: 120 mins: Summer	66.28 5	63.19 5	63.277	0.082	55.9	0.092	0.000	55.9	117.796	OK
S16.2.0	FEH2022: 30 years: +0 %: 120 mins: Summer	66.62 5	65.12 5	65.207	0.082	45.0	0.092	0.000	45.0	94.897	OK
S16.2.1	FEH2022: 30 years: +0 %: 120 mins: Summer	67.28 0	65.59 0	65.645	0.055	11.9	0.062	0.000	11.9	25.156	OK
S16.2.2	FEH2022: 30 years: +0 %: 120 mins: Summer	67.81 5	65.93 0	65.983	0.053	9.5	0.060	0.000	9.5	19.943	OK
S16.2.3	FEH2022: 30 years: +0 %: 120 mins: Summer	68.03 0	66.09 5	66.137	0.042	5.9	0.047	0.000	5.9	12.389	OK
S16.2.4	FEH2022: 30 years: +0 %: 120 mins: Summer	68.02 0	66.59 5	66.624	0.029	2.9	0.033	0.000	2.9	6.102	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model				Date: 29/06/2026						
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:				
				J. Dunesby	W. Nienaber	W. Nienaber				
				Revision: Rev 1						

S16.3.0	FEH2022: 30 years: +0 %: 120 mins: Summer	66.74 0	65.32 5	65.436	0.111	28.0	0.125	0.000	28.0	58.943	OK
S16.4.0	FEH2022: 30 years: +0 %: 120 mins: Summer	67.04 0	65.61 5	65.674	0.059	8.2	0.067	0.000	8.2	17.195	OK
S16.5.0	FEH2022: 30 years: +0 %: 120 mins: Summer	65.72 0	62.49 0	62.665	0.175	73.1	0.198	0.000	73.1	253.448	OK
S16.6.0	FEH2022: 30 years: +0 %: 120 mins: Summer	65.16 5	62.61 5	62.793	0.178	56.5	0.202	0.000	56.5	218.814	OK
S16.7.0	FEH2022: 30 years: +0 %: 120 mins: Summer	64.95 0	62.66 5	62.836	0.171	45.1	0.194	0.000	45.1	195.122	OK
S16.7.1	FEH2022: 30 years: +0 %: 120 mins: Summer	64.51 0	63.01 0	63.090	0.080	19.6	0.091	0.000	19.6	41.300	OK
S16.8.0	FEH2022: 30 years: +0 %: 120 mins: Summer	65.72 5	63.83 5	63.882	0.047	16.8	0.053	0.000	16.7	135.951	OK
S16.10.0	FEH2022: 30 years: +0 %: 120 mins: Summer	68.88 5	67.38 5	67.457	0.072	34.7	0.082	0.000	34.6	72.853	OK
S16.11.0	FEH2022: 30 years: +0 %: 120 mins: Summer	70.13 0	68.54 5	68.616	0.071	25.8	0.081	0.000	25.8	54.305	OK
S16.11.1	FEH2022: 30 years: +0 %: 120 mins: Summer	70.15 0	68.77 0	68.813	0.043	4.3	0.049	0.000	4.3	8.992	OK
S16.11.2	FEH2022: 30 years: +0 %: 120 mins: Summer	70.29 5	68.87 0	68.895	0.025	1.1	0.028	0.000	1.1	2.406	OK
S16.12.0	FEH2022: 30 years: +0 %: 120 mins: Summer	70.41 0	68.98 5	69.033	0.048	8.0	0.055	0.000	8.0	16.931	OK
S16.13.0	FEH2022: 30 years: +0 %: 120 mins: Summer	70.99 5	69.57 0	69.594	0.024	2.5	0.028	0.000	2.5	5.184	OK
S17.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	68.22 5	65.21 0	65.339	0.129	125.4	0.146	0.000	125.4	264.168	OK
S18.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	69.85 5	67.05 0	67.171	0.121	101.2	0.137	0.000	101.2	213.156	OK
S18.0.1	FEH2022: 30 years: +0 %: 120 mins: Summer	70.27 0	68.17 5	68.257	0.082	30.1	0.093	0.000	30.1	63.481	OK
S18.0.2	FEH2022: 30 years: +0 %: 120 mins: Summer	70.60 0	69.17 5	69.226	0.051	11.2	0.058	0.000	11.2	23.502	OK
S19.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	70.96 0	68.41 0	68.498	0.088	51.2	0.099	0.000	51.2	107.870	OK
S20.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	71.62 0	70.12 0	70.195	0.075	36.0	0.085	0.000	36.0	75.806	OK
S21.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	72.77 5	70.77 5	70.876	0.101	31.9	0.115	0.000	31.9	67.127	OK
S22.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	74.34 0	72.11 5	72.184	0.069	17.1	0.078	0.000	17.1	35.976	OK
S23.0.0	FEH2022: 30 years: +0 %: 120 mins: Summer	74.01 5	72.59 0	72.631	0.041	4.9	0.046	0.000	4.9	10.356	OK
HW24.0 (Outfall)	FEH2022: 30 years: +0 %: 1440 mins: Winter	55.03 0	53.57 0	53.602	0.032	3.2	0.000	0.000	3.2	152.672	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Junctions Summary Storm Phase: Phase		Revision: Rev 1			

S24.0.0	FEH2022: 30 years: +0 %: 1440 mins: Winter	55.14 0	53.62 0	53.654	0.034	3.2	0.039	0.000	3.2	152.672	OK
S24.1.0 (FC)	FEH2022: 30 years: +0 %: 1440 mins: Winter	55.77 0	53.78 0	54.751	0.971	3.2	1.099	0.000	3.2	152.722	Surcharged
S24.2.0	FEH2022: 30 years: +0 %: 1440 mins: Winter	56.09 0	53.85 0	54.751	0.901	6.1	1.020	0.000	3.1	276.356	Surcharged
S24.3.0	FEH2022: 30 years: +0 %: 120 mins: Summer	57.67 5	55.16 5	55.252	0.087	34.7	0.098	0.000	34.7	73.061	OK
S24.4.0	FEH2022: 30 years: +0 %: 120 mins: Summer	57.90 5	55.28 0	55.391	0.111	31.1	0.125	0.000	31.1	65.553	OK
S24.8.0	FEH2022: 30 years: +0 %: 120 mins: Summer	57.39 0	55.71 0	55.797	0.087	12.3	0.098	0.000	12.3	25.962	OK
S24.9.0	FEH2022: 30 years: +0 %: 120 mins: Summer	56.96 0	55.83 5	55.912	0.077	10.1	0.087	0.000	10.1	21.211	OK
S16.9.0 (FC)	FEH2022: 30 years: +0 %: 120 mins: Summer	66.59 0	64.52 0	65.223	0.703	67.6	0.795	0.000	10.0	210.320	Surcharged

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Junctions Summary Storm Phase: Phase		Revision: Rev 1	



FEH2022: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Outflow

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
S2.2.0	FEH2022: 100 years: +20 %: 120 mins: Summer	56.315	54.290	55.491	1.201	1151.8	5.432	0.000	1148.7	3611.198	Surcharged
S2.1.1	FEH2022: 100 years: +20 %: 1440 mins: Summer	56.350	53.990	55.788	1.798	128.3	8.135	0.000	128.4	6885.748	Surcharged
HW 2.1	FEH2022: 100 years: +20 %: 1440 mins: Summer	54.700	53.910	54.178	0.268	128.4	0.000	0.000	128.4	6885.108	OK
S2.1.0	FEH2022: 100 years: +20 %: 1440 mins: Summer	54.830	53.930	54.237	0.307	128.4	0.542	0.000	128.4	6885.108	OK
S2.3.0	FEH2022: 100 years: +20 %: 120 mins: Summer	56.500	54.600	55.490	0.890	23.8	1.006	0.000	23.3	48.020	Surcharged
S2.1.3	FEH2022: 100 years: +20 %: 120 mins: Summer	56.000	54.665	55.489	0.824	1.4	0.932	0.000	0.9	1.761	Surcharged
S2.1.2	FEH2022: 100 years: +20 %: 120 mins: Summer	55.830	54.590	55.489	0.899	14.4	1.017	0.000	13.9	28.769	Surcharged
S2.4.0	FEH2022: 100 years: +20 %: 120 mins: Summer	56.490	54.625	55.490	0.865	24.8	0.978	0.000	23.8	49.289	Surcharged
S2.5.0	FEH2022: 100 years: +20 %: 120 mins: Summer	56.800	54.940	55.490	0.550	3.3	0.622	0.000	3.2	5.827	Surcharged
S5.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	56.680	54.580	55.630	1.050	1089.7	1.188	0.000	1088.4	3498.703	Surcharged
S4.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	56.165	54.310	55.492	1.182	1153.0	1.337	0.000	1151.8	3621.587	Surcharged
S4.1.0	FEH2022: 100 years: +20 %: 120 mins: Summer	56.590	54.875	55.492	0.617	49.0	0.698	0.000	48.2	100.423	Surcharged
S4.1.1	FEH2022: 100 years: +20 %: 120 mins: Summer	57.240	56.115	56.154	0.039	6.8	0.044	0.000	6.8	14.231	OK
S4.2.0	FEH2022: 100 years: +20 %: 120 mins: Summer	55.980	54.995	55.492	0.497	9.1	0.562	0.000	8.1	17.567	Surcharged
S6.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	57.075	54.725	55.941	1.216	1081.7	1.375	0.000	1080.6	3492.229	Surcharged
S7.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	57.350	54.825	56.196	1.371	1062.3	1.551	0.000	1061.2	3458.238	Surcharged
S8.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	57.660	54.940	56.461	1.521	1051.7	1.720	0.000	1050.5	3440.912	Surcharged
S9.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	57.885	55.005	56.689	1.684	1044.7	1.904	0.000	1043.2	3429.678	Surcharged
S9.0.1	FEH2022: 100 years: +20 %: 120 mins: Summer	57.705	55.675	56.723	1.048	29.7	1.185	0.000	28.1	65.987	Surcharged
S9.0.2	FEH2022: 100 years: +20 %: 180 mins: Summer	56.915	55.975	56.205	0.230	4.3	0.260	0.000	5.9	12.948	Surcharged

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026				
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber		
Report Details: Type: Junctions Summary Storm Phase: Phase		Revision: Rev 1			

S9.1.0	FEH2022: 100 years: +20 %: 120 mins: Summer	58.05 5	55.27 0	56.756	1.486	482.8	1.681	0.000	481.4	1080.151	Surcharged
S9.2.0	FEH2022: 100 years: +20 %: 120 mins: Summer	58.05 0	55.38 5	56.837	1.452	473.7	1.642	0.000	472.2	1058.853	Surcharged
S9.3.0	FEH2022: 100 years: +20 %: 120 mins: Summer	57.60 0	55.79 0	57.073	1.283	444.7	1.451	0.000	442.8	994.636	Surcharged
S9.4.0	FEH2022: 100 years: +20 %: 120 mins: Summer	58.06 0	56.12 0	57.271	1.151	406.7	1.302	0.000	404.7	910.222	Surcharged
S24.6.0	FEH2022: 100 years: +20 %: 120 mins: Summer	58.08 0	55.46 5	55.566	0.101	18.6	0.115	0.000	18.6	39.092	OK
S24.7.0	FEH2022: 100 years: +20 %: 120 mins: Summer	57.97 0	55.60 5	55.696	0.091	18.6	0.103	0.000	18.6	39.102	OK
S24.5.0	FEH2022: 100 years: +20 %: 120 mins: Summer	58.19 0	55.34 0	55.506	0.166	42.1	0.188	0.000	42.1	88.648	OK
S9.5.0	FEH2022: 100 years: +20 %: 120 mins: Summer	58.29 0	56.28 0	57.423	1.143	405.4	1.293	0.000	403.2	902.651	Surcharged
S9.6.0	FEH2022: 100 years: +20 %: 120 mins: Summer	59.90 0	56.76 0	57.795	1.035	372.2	1.170	0.000	369.2	826.149	Surcharged
S9.6.1	FEH2022: 100 years: +20 %: 120 mins: Summer	59.74 0	58.31 5	58.342	0.027	5.6	0.031	0.000	5.6	11.909	OK
S9.7.0	FEH2022: 100 years: +20 %: 120 mins: Summer	59.57 5	57.54 5	58.225	0.680	361.2	0.769	0.000	357.4	795.059	Surcharged
S9.7.1	FEH2022: 100 years: +20 %: 120 mins: Summer	59.64 5	58.00 0	58.238	0.238	17.4	0.269	0.000	17.1	36.515	Surcharged
S9.7.2	FEH2022: 100 years: +20 %: 120 mins: Summer	59.47 5	58.35 0	58.402	0.052	9.1	0.058	0.000	9.1	19.188	OK
S9.8.0	FEH2022: 100 years: +20 %: 120 mins: Summer	59.69 0	57.81 0	58.449	0.639	350.0	0.723	0.000	342.5	745.166	Surcharged
S9.9.0	FEH2022: 100 years: +20 %: 120 mins: Summer	60.95 5	58.96 0	59.222	0.262	303.8	0.296	0.000	301.4	642.695	OK
S9.10.0	FEH2022: 100 years: +20 %: 120 mins: Summer	61.16 5	58.99 5	59.406	0.411	298.0	0.465	0.000	297.7	629.758	OK
S9.10.1	FEH2022: 100 years: +20 %: 120 mins: Summer	61.31 5	59.52 5	59.571	0.046	14.9	0.052	0.000	14.9	31.399	OK
S9.10.2	FEH2022: 100 years: +20 %: 120 mins: Summer	61.41 0	60.28 5	60.326	0.041	7.3	0.047	0.000	7.3	15.312	OK
S9.11.0	FEH2022: 100 years: +20 %: 120 mins: Summer	61.38 5	59.04 0	59.595	0.555	274.8	0.628	0.000	274.8	581.051	Surcharged
S9.12.0	FEH2022: 100 years: +20 %: 120 mins: Summer	61.72 5	59.16 0	59.852	0.692	249.4	0.783	0.000	249.3	527.115	Surcharged
S9.12.1	FEH2022: 100 years: +20 %: 120 mins: Summer	62.84 0	60.65 0	60.755	0.105	48.9	0.119	0.000	48.9	103.048	OK
S9.12.2	FEH2022: 100 years: +20 %: 120 mins: Summer	63.14 5	61.06 5	61.155	0.090	26.9	0.102	0.000	26.9	56.632	OK
S9.12.3	FEH2022: 100 years: +20 %: 120 mins: Summer	63.22 0	61.40 0	61.488	0.088	22.9	0.100	0.000	22.9	48.276	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model				Date: 29/06/2026						
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:				
				J. Dunesby	W. Nienaber	W. Nienaber				
				Revision: Rev 1						

S9.12.4	FEH2022: 100 years: +20 %: 120 mins: Summer	63.10 0	61.64 5	61.715	0.070	15.1	0.079	0.000	15.1	31.769	OK
S9.12.5	FEH2022: 100 years: +20 %: 120 mins: Summer	62.91 0	61.78 5	61.861	0.076	10.3	0.086	0.000	10.3	21.679	OK
S9.12.6	FEH2022: 100 years: +20 %: 120 mins: Summer	62.94 0	61.41 0	61.452	0.042	9.7	0.048	0.000	9.7	20.365	OK
S9.12.7	FEH2022: 100 years: +20 %: 120 mins: Summer	63.08 5	61.96 0	61.991	0.031	4.7	0.035	0.000	4.7	9.834	OK
S9.13.0	FEH2022: 100 years: +20 %: 120 mins: Summer	61.66 0	59.32 5	59.933	0.608	172.3	0.688	0.000	172.2	364.418	Surcharged
S9.14.0	FEH2022: 100 years: +20 %: 120 mins: Summer	61.44 0	59.42 5	60.008	0.583	157.3	0.659	0.000	157.2	332.520	Surcharged
S9.15.0	FEH2022: 100 years: +20 %: 120 mins: Summer	61.28 5	59.49 5	60.050	0.555	132.5	0.628	0.000	132.3	279.770	Surcharged
S9.16.0	FEH2022: 100 years: +20 %: 120 mins: Summer	61.25 5	59.60 5	60.080	0.475	95.9	0.538	0.000	95.6	202.143	Surcharged
S9.16.1	FEH2022: 100 years: +20 %: 120 mins: Summer	62.57 0	61.14 5	61.215	0.070	24.3	0.079	0.000	24.3	51.066	OK
S9.16.2	FEH2022: 100 years: +20 %: 120 mins: Summer	62.86 5	61.48 5	61.548	0.063	13.2	0.071	0.000	13.2	27.827	OK
S9.16.3	FEH2022: 100 years: +20 %: 120 mins: Summer	63.14 0	61.75 5	61.804	0.049	8.5	0.056	0.000	8.5	17.933	OK
S9.16.4	FEH2022: 100 years: +20 %: 120 mins: Summer	63.26 0	62.13 5	62.181	0.046	7.3	0.052	0.000	7.3	15.354	OK
S9.17.0	FEH2022: 100 years: +20 %: 120 mins: Summer	61.89 0	60.10 5	60.167	0.062	9.8	0.070	0.000	9.7	20.548	OK
S10.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	59.76 5	56.47 0	57.040	0.570	487.0	0.645	0.000	470.9	2162.244	OK
S10.0.1	FEH2022: 100 years: +20 %: 120 mins: Summer	59.86 5	56.97 0	57.103	0.133	87.4	0.150	0.000	83.4	183.906	OK
S10.0.2	FEH2022: 100 years: +20 %: 120 mins: Summer	59.28 5	57.60 5	57.807	0.202	77.1	0.229	0.000	77.2	162.282	OK
S10.0.3	FEH2022: 100 years: +20 %: 120 mins: Summer	59.24 0	57.78 0	58.052	0.272	70.2	0.308	0.000	70.2	147.918	Surcharged
S10.0.4	FEH2022: 100 years: +20 %: 120 mins: Summer	59.59 5	58.17 5	58.312	0.137	35.8	0.155	0.000	35.8	75.383	OK
S10.0.5	FEH2022: 100 years: +20 %: 120 mins: Summer	59.76 0	58.33 5	58.436	0.101	19.2	0.114	0.000	19.2	40.537	OK
S10.1.0	FEH2022: 100 years: +20 %: 120 mins: Summer	59.18 5	57.04 0	57.897	0.857	130.7	0.969	0.000	128.4	279.608	Surcharged
S10.1.1	FEH2022: 100 years: +20 %: 120 mins: Summer	58.73 0	57.30 5	57.907	0.602	10.6	0.681	0.000	13.2	22.449	Surcharged
S10.2.0	FEH2022: 100 years: +20 %: 120 mins: Summer	60.99 0	58.51 5	58.632	0.117	52.8	0.132	0.000	52.8	111.194	OK
S10.2.1	FEH2022: 100 years: +20 %: 120 mins: Summer	60.23 0	58.80 5	58.903	0.098	18.8	0.111	0.000	18.8	39.579	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model				Date: 29/06/2026						
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:				
				J. Dunesby	W. Nienaber	W. Nienaber				
				Revision: Rev 1						

S10.3.0	FEH2022: 100 years: +20 %: 120 mins: Summer	61.44 5	60.02 0	60.066	0.046	9.3	0.052	0.000	9.3	19.677	OK
S11.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	60.80 5	57.01 0	57.246	0.236	253.2	0.267	0.000	254.4	1657.523	OK
S11.0.1	FEH2022: 100 years: +20 %: 120 mins: Summer	60.25 0	58.82 5	58.872	0.047	12.3	0.053	0.000	12.3	25.977	OK
S12.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	61.66 0	57.57 0	57.765	0.195	176.0	0.220	0.000	175.7	1496.518	OK
S13.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	62.26 5	58.28 0	58.463	0.183	159.7	0.207	0.000	159.6	1464.020	OK
S13.0.1	FEH2022: 100 years: +20 %: 120 mins: Summer	62.51 5	58.92 5	59.067	0.142	46.2	0.161	0.000	46.2	97.390	OK
S13.0.2	FEH2022: 100 years: +20 %: 120 mins: Summer	62.30 5	59.02 0	59.191	0.171	37.0	0.193	0.000	37.0	77.993	OK
S13.0.3	FEH2022: 100 years: +20 %: 120 mins: Summer	60.76 5	59.34 0	59.477	0.137	28.8	0.155	0.000	28.8	60.852	OK
S14.0.0 (FC)	FEH2022: 100 years: +20 %: 960 mins: Summer	62.39 5	58.82 0	61.475	2.655	154.7	3.002	0.000	102.3	3909.505	Surcharged
S15.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	63.60 0	60.53 0	62.332	1.802	508.5	2.038	0.000	507.8	1430.822	Surcharged
S15.0.1	FEH2022: 100 years: +20 %: 120 mins: Summer	63.28 0	60.79 0	62.335	1.545	28.7	1.748	0.000	22.8	176.993	Surcharged
S15.0.2 (FC)	FEH2022: 100 years: +20 %: 120 mins: Summer	62.57 5	60.95 5	62.245	1.290	23.4	1.459	0.000	10.0	142.148	Surcharged
S15.0.3	FEH2022: 100 years: +20 %: 120 mins: Summer	63.12 0	61.54 5	62.246	0.701	96.0	0.793	0.000	93.6	197.927	Surcharged
S15.0.4	FEH2022: 100 years: +20 %: 120 mins: Summer	65.07 5	63.57 5	63.686	0.111	57.4	0.126	0.000	57.4	120.590	OK
S15.0.5	FEH2022: 100 years: +20 %: 120 mins: Summer	65.50 0	64.00 0	64.106	0.106	52.5	0.120	0.000	52.5	110.507	OK
S15.0.6	FEH2022: 100 years: +20 %: 120 mins: Summer	66.18 0	64.68 0	64.769	0.089	44.3	0.101	0.000	44.3	93.238	OK
S15.0.7	FEH2022: 100 years: +20 %: 120 mins: Summer	67.03 0	65.52 5	65.607	0.082	38.5	0.093	0.000	38.5	81.131	OK
S15.0.8	FEH2022: 100 years: +20 %: 120 mins: Summer	68.27 5	66.83 5	66.902	0.067	22.9	0.076	0.000	22.9	48.323	OK
S15.0.9	FEH2022: 100 years: +20 %: 120 mins: Summer	70.15 0	68.72 5	68.756	0.031	4.8	0.036	0.000	4.8	10.181	OK
S15.1.0	FEH2022: 100 years: +20 %: 120 mins: Summer	63.51 0	60.77 5	62.348	1.573	63.6	1.779	0.000	63.0	253.735	Surcharged
S15.2.0	FEH2022: 100 years: +20 %: 120 mins: Summer	63.67 0	60.95 0	62.365	1.415	55.3	1.600	0.000	54.7	236.980	Surcharged
S15.3.0	FEH2022: 100 years: +20 %: 120 mins: Summer	64.16 0	61.49 5	62.378	0.883	30.5	0.999	0.000	29.9	186.920	Surcharged
S15.4.0	FEH2022: 100 years: +20 %: 120 mins: Summer	64.34 5	61.70 0	62.381	0.681	21.3	0.770	0.000	20.7	166.751	Surcharged

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S15.5.0 (FC)	FEH2022: 100 years: +20 %: 120 mins: Summer	64.50 0	61.87 0	63.254	1.384	17.0	1.565	0.000	11.0	145.151	Surcharged
S15.6.0	FEH2022: 100 years: +20 %: 120 mins: Summer	64.63 0	62.87 5	63.254	0.379	221.6	0.429	0.000	221.6	465.032	Surcharged
S15.7.0	FEH2022: 100 years: +20 %: 120 mins: Summer	65.94 5	64.30 0	64.503	0.203	200.8	0.230	0.000	200.8	423.482	OK
S15.8.0	FEH2022: 100 years: +20 %: 120 mins: Summer	66.36 5	64.79 0	65.013	0.223	198.0	0.252	0.000	198.0	417.459	OK
S15.8.1	FEH2022: 100 years: +20 %: 120 mins: Summer	66.65 5	65.07 5	65.407	0.332	141.9	0.376	0.000	141.9	299.096	Surcharged
S15.8.2	FEH2022: 100 years: +20 %: 120 mins: Summer	66.91 5	65.41 5	65.782	0.367	117.4	0.415	0.000	117.4	247.473	Surcharged
S15.8.3	FEH2022: 100 years: +20 %: 120 mins: Summer	67.04 5	65.54 5	65.929	0.384	98.5	0.435	0.000	98.5	207.573	Surcharged
S15.8.4	FEH2022: 100 years: +20 %: 120 mins: Summer	68.09 5	66.59 5	66.725	0.130	88.0	0.147	0.000	88.0	185.387	OK
S15.8.5	FEH2022: 100 years: +20 %: 120 mins: Summer	69.83 5	68.33 5	68.430	0.095	49.4	0.107	0.000	49.4	103.989	OK
S15.8.6	FEH2022: 100 years: +20 %: 120 mins: Summer	70.79 0	69.29 0	69.381	0.091	42.9	0.103	0.000	42.9	90.343	OK
S15.8.7	FEH2022: 100 years: +20 %: 120 mins: Summer	71.32 0	69.89 5	69.944	0.049	6.3	0.055	0.000	6.3	13.304	OK
S15.9.0	FEH2022: 100 years: +20 %: 120 mins: Summer	67.20 0	65.80 0	65.901	0.101	52.5	0.114	0.000	52.5	110.638	OK
S15.10.0	FEH2022: 100 years: +20 %: 120 mins: Summer	67.87 5	66.45 0	66.567	0.117	52.5	0.132	0.000	52.5	110.639	OK
S15.11.0	FEH2022: 100 years: +20 %: 120 mins: Summer	68.36 5	66.94 0	67.059	0.119	52.5	0.134	0.000	52.5	110.639	OK
S15.12.0	FEH2022: 100 years: +20 %: 120 mins: Summer	71.43 5	69.95 0	70.021	0.071	25.2	0.080	0.000	25.2	53.122	OK
S15.13.0	FEH2022: 100 years: +20 %: 120 mins: Summer	73.51 5	72.09 0	72.131	0.041	8.8	0.047	0.000	8.8	18.601	OK
S16.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	65.85 5	62.37 5	62.709	0.334	399.4	0.378	0.000	388.8	939.295	OK
S16.1.0	FEH2022: 100 years: +20 %: 120 mins: Summer	66.28 5	63.19 5	63.303	0.108	84.2	0.122	0.000	84.1	177.418	OK
S16.2.0	FEH2022: 100 years: +20 %: 120 mins: Summer	66.62 5	65.12 5	65.226	0.101	67.8	0.114	0.000	67.9	142.922	OK
S16.2.1	FEH2022: 100 years: +20 %: 120 mins: Summer	67.28 0	65.59 0	65.658	0.068	18.0	0.077	0.000	18.0	37.816	OK
S16.2.2	FEH2022: 100 years: +20 %: 120 mins: Summer	67.81 5	65.93 0	65.996	0.066	14.3	0.074	0.000	14.2	29.987	OK
S16.2.3	FEH2022: 100 years: +20 %: 120 mins: Summer	68.03 0	66.09 5	66.147	0.052	8.8	0.059	0.000	8.8	18.623	OK
S16.2.4	FEH2022: 100 years: +20 %: 120 mins: Summer	68.02 0	66.59 5	66.630	0.035	4.3	0.040	0.000	4.3	9.156	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S16.3.0	FEH2022: 100 years: +20 %: 120 mins: Summer	66.74 0	65.32 5	65.468	0.143	42.1	0.162	0.000	42.2	88.836	OK
S16.4.0	FEH2022: 100 years: +20 %: 120 mins: Summer	67.04 0	65.61 5	65.688	0.073	12.3	0.083	0.000	12.3	25.901	OK
S16.5.0	FEH2022: 100 years: +20 %: 120 mins: Summer	65.72 0	62.49 0	62.730	0.240	104.6	0.272	0.000	101.6	312.867	OK
S16.6.0	FEH2022: 100 years: +20 %: 120 mins: Summer	65.16 5	62.61 5	62.835	0.220	79.6	0.249	0.000	79.6	260.525	OK
S16.7.0	FEH2022: 100 years: +20 %: 120 mins: Summer	64.95 0	62.66 5	62.876	0.211	62.4	0.239	0.000	62.3	224.614	OK
S16.7.1	FEH2022: 100 years: +20 %: 120 mins: Summer	64.51 0	63.01 0	63.109	0.099	29.5	0.112	0.000	29.5	62.139	OK
S16.8.0	FEH2022: 100 years: +20 %: 120 mins: Summer	65.72 5	63.83 5	63.885	0.050	20.1	0.057	0.000	20.0	135.261	OK
S16.10.0	FEH2022: 100 years: +20 %: 120 mins: Summer	68.88 5	67.38 5	67.476	0.091	52.2	0.103	0.000	52.2	109.752	OK
S16.11.0	FEH2022: 100 years: +20 %: 120 mins: Summer	70.13 0	68.54 5	68.633	0.088	38.8	0.100	0.000	38.8	81.762	OK
S16.11.1	FEH2022: 100 years: +20 %: 120 mins: Summer	70.15 0	68.77 0	68.823	0.053	6.4	0.060	0.000	6.4	13.528	OK
S16.11.2	FEH2022: 100 years: +20 %: 120 mins: Summer	70.29 5	68.87 0	68.900	0.030	1.7	0.034	0.000	1.7	3.624	OK
S16.12.0	FEH2022: 100 years: +20 %: 120 mins: Summer	70.41 0	68.98 5	69.045	0.060	12.1	0.067	0.000	12.1	25.506	OK
S16.13.0	FEH2022: 100 years: +20 %: 120 mins: Summer	70.99 5	69.57 0	69.600	0.030	3.7	0.034	0.000	3.7	7.782	OK
S17.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	68.22 5	65.21 0	65.372	0.162	188.8	0.183	0.000	188.8	397.757	OK
S18.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	69.85 5	67.05 0	67.203	0.153	152.3	0.173	0.000	152.3	320.894	OK
S18.0.1	FEH2022: 100 years: +20 %: 120 mins: Summer	70.27 0	68.17 5	68.278	0.103	45.4	0.116	0.000	45.4	95.600	OK
S18.0.2	FEH2022: 100 years: +20 %: 120 mins: Summer	70.60 0	69.17 5	69.238	0.063	16.8	0.071	0.000	16.8	35.424	OK
S19.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	70.96 0	68.41 0	68.520	0.110	77.1	0.124	0.000	77.1	162.338	OK
S20.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	71.62 0	70.12 0	70.214	0.094	54.1	0.106	0.000	54.1	114.038	OK
S21.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	72.77 5	70.77 5	70.905	0.130	47.9	0.147	0.000	47.9	100.950	OK
S22.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	74.34 0	72.11 5	72.201	0.086	25.7	0.098	0.000	25.7	54.108	OK
S23.0.0	FEH2022: 100 years: +20 %: 120 mins: Summer	74.01 5	72.59 0	72.640	0.050	7.4	0.057	0.000	7.4	15.546	OK
HW24.0 (Outfall)	FEH2022: 100 years: +20 %: 480 mins: Winter	55.03 0	53.57 0	53.614	0.044	6.1	0.000	0.000	6.1	152.813	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model				Date: 29/06/2026						
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:				
				J. Dunesby	W. Nienaber	W. Nienaber				
				Revision: Rev 1						

S24.0.0	FEH2022: 100 years: +20 %: 360 mins: Summer	55.14 0	53.62 0	53.668	0.048	6.1	0.054	0.000	6.1	126.261	OK
S24.1.0 (FC)	FEH2022: 100 years: +20 %: 960 mins: Winter	55.77 0	53.78 0	55.038	1.258	6.2	1.423	0.000	6.1	236.618	Surcharged
S24.2.0	FEH2022: 100 years: +20 %: 120 mins: Winter	56.09 0	53.85 0	54.865	1.015	62.3	1.148	0.000	6.1	200.769	Surcharged
S24.3.0	FEH2022: 100 years: +20 %: 120 mins: Summer	57.67 5	55.16 5	55.274	0.109	52.3	0.123	0.000	52.2	109.618	OK
S24.4.0	FEH2022: 100 years: +20 %: 120 mins: Summer	57.90 5	55.28 0	55.420	0.140	46.9	0.159	0.000	46.9	98.710	OK
S24.8.0	FEH2022: 100 years: +20 %: 120 mins: Summer	57.39 0	55.71 0	55.820	0.110	18.6	0.124	0.000	18.6	39.103	OK
S24.9.0	FEH2022: 100 years: +20 %: 120 mins: Summer	56.96 0	55.83 5	55.933	0.098	15.2	0.111	0.000	15.2	31.934	OK
S16.9.0 (FC)	FEH2022: 100 years: +20 %: 180 mins: Winter	66.59 0	64.52 0	65.731	1.211	54.6	1.370	0.000	10.0	329.084	Surcharged

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Revision: Rev 1			



**FEH2022: 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 2a	FEH2022: 2 years: +0 %: 960 mins: Winter	55.179	55.179	1.169	1.169	121.3	2091.198	0.000	0.000	38.3	1547.173	50.821	OK
Pond 2c	FEH2022: 2 years: +0 %: 120 mins: Summer	61.489	61.489	0.439	0.439	31.5	30.269	0.000	0.000	9.8	66.475	82.710	OK
Pond 2b	FEH2022: 2 years: +0 %: 180 mins: Summer	62.588	62.588	0.388	0.388	60.4	96.198	0.000	0.000	12.3	180.196	78.369	OK
CRATES C12	FEH2022: 2 years: +0 %: 10080 mins: Summer	54.442	54.442	0.557	0.557	1.6	116.507	0.000	0.000	0.5	140.557	53.695	OK
Pond 2d	FEH2022: 2 years: +0 %: 120 mins: Summer	61.069	61.069	0.569	0.569	119.3	112.982	0.000	0.000	49.1	121.215	84.264	OK
CRATES C13	FEH2022: 2 years: +0 %: 240 mins: Summer	64.828	64.828	0.288	0.288	16.7	44.357	0.000	0.000	5.7	45.087	76.087	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026			
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Revision: Rev 1			



**FEH2022: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By:
Max. Resident Volume**

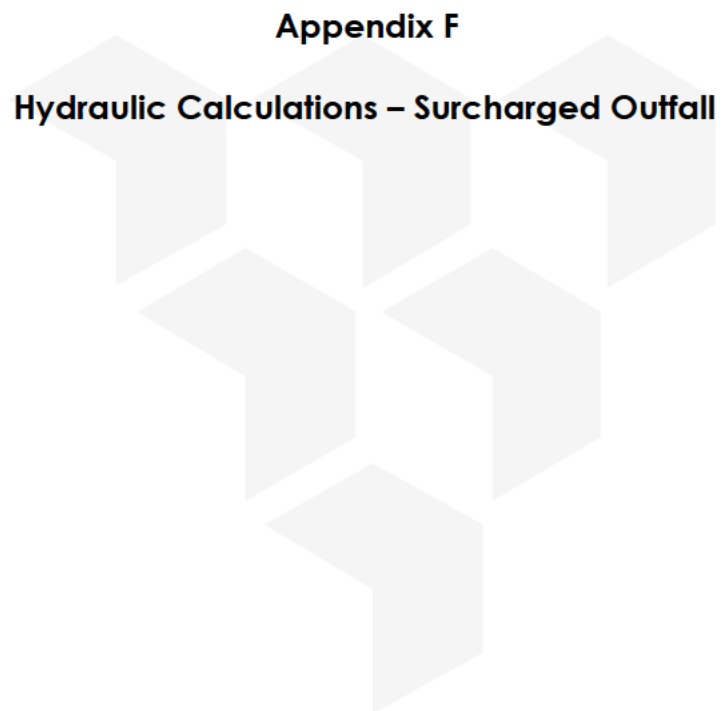
Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond 2a	FEH2022: 30 years: +0 %: 960 mins: Winter	55.501	55.501	1.491	1.491	197.8	3168.468	0.000	0.000	72.3	3101.441	25.487	OK
Pond 2c	FEH2022: 30 years: +0 %: 120 mins: Summer	61.890	61.890	0.840	0.840	66.0	90.828	0.000	0.000	9.9	112.964	48.118	OK
Pond 2b	FEH2022: 30 years: +0 %: 180 mins: Winter	62.969	62.969	0.769	0.769	80.0	262.067	0.000	0.000	11.8	181.612	41.071	OK
CRATES C12	FEH2022: 30 years: +0 %: 1440 mins: Winter	54.751	54.751	0.867	0.867	7.3	181.099	0.000	0.000	1.0	74.671	28.024	OK
Pond 2d	FEH2022: 30 years: +0 %: 120 mins: Winter	61.530	61.530	1.030	1.030	210.0	382.909	0.000	0.000	62.9	390.292	46.669	OK
CRATES C13	FEH2022: 30 years: +0 %: 180 mins: Summer	65.224	65.224	0.684	0.684	48.3	105.200	0.000	0.000	9.8	95.635	43.286	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Revision: Rev 1		



FEH2022: 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 2a	FEH2022: 100 years: +20 %: 1440 mins: Summer	55.791	55.791	1.781	1.781	282.9	4217.918	0.000	0.000	127.8	6836.257	0.807	OK
Pond 2c	FEH2022: 100 years: +20 %: 120 mins: Summer	62.245	62.245	1.195	1.195	116.4	173.810	0.000	0.000	9.9	108.552	0.717	OK
Pond 2b	FEH2022: 100 years: +20 %: 240 mins: Winter	63.293	63.293	1.093	1.093	96.8	440.322	0.000	0.000	12.3	255.675	0.989	OK
CRATES C12	FEH2022: 100 years: +20 %: 1440 mins: Summer	55.061	55.061	1.176	1.176	18.2	245.866	0.000	0.000	4.4	145.196	2.283	OK
Pond 2d	FEH2022: 100 years: +20 %: 120 mins: Winter	61.883	61.883	1.383	1.383	328.2	699.852	0.000	0.000	69.6	486.543	2.525	OK
CRATES C13	FEH2022: 100 years: +20 %: 180 mins: Winter	65.731	65.731	1.191	1.191	51.3	183.341	0.000	0.000	9.8	96.531	1.159	OK



Appendix F

Hydraulic Calculations – Surcharged Outfall

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (Surcharged Outfall)		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
Report Details: Type: Network Design Criteria Storm Phase: Phase		Revision: Rev 1			

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) RM12 / RM13 - Hydraulic Model (Surcharged Outfall)		Date: 29/06/2026			
Report Details: Type: Outfall Details Storm Phase: Phase		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
		Revision: Rev 1			

Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
HW 2.1	Fixed Surcharged Level	☐	54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 120 mins: Summer			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 120 mins: Winter			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 180 mins: Summer			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 180 mins: Winter			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 240 mins: Summer			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 240 mins: Winter			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 360 mins: Summer			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 360 mins: Winter			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 480 mins: Summer			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 480 mins: Winter			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 600 mins: Summer			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 600 mins: Winter			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 720 mins: Summer			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 720 mins: Winter			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 960 mins: Summer			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 960 mins: Winter			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 1440 mins: Summer			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 1440 mins: Winter			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 2160 mins: Summer			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 2160 mins: Winter			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 2880 mins: Summer			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 2880 mins: Winter			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 4320 mins: Summer			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 4320 mins: Winter			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 5760 mins: Summer			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 5760 mins: Winter			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 7200 mins: Summer			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 7200 mins: Winter			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 8640 mins: Summer			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 8640 mins: Winter			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 10080 mins: Summer			54.698	
FEH2022 (100yrCC only) : 100 years: +20 %: 10080 mins: Winter			54.698	

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (Surcharged Outfall)		Date: 29/06/2026			
Report Details: Type: Outfall Details Storm Phase: Phase		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
		Revision: Rev 1			

HW24.0 (Outfall)	Fixed Surcharged Level	☐	54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 120 mins: Summer			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 120 mins: Winter			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 180 mins: Summer			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 180 mins: Winter			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 240 mins: Summer			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 240 mins: Winter			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 360 mins: Summer			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 360 mins: Winter			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 480 mins: Summer			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 480 mins: Winter			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 600 mins: Summer			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 600 mins: Winter			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 720 mins: Summer			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 720 mins: Winter			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 960 mins: Summer			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 960 mins: Winter			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 1440 mins: Summer			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 1440 mins: Winter			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 2160 mins: Summer			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 2160 mins: Winter			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 2880 mins: Summer			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 2880 mins: Winter			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 4320 mins: Summer			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 4320 mins: Winter			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 5760 mins: Summer			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 5760 mins: Winter			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 7200 mins: Summer			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 7200 mins: Winter			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 8640 mins: Summer			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 8640 mins: Winter			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 10080 mins: Summer			54.237
FEH2022 (100yrCC only) : 100 years: +20 %: 10080 mins: Winter			54.237

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (Surcharged Outfall)		Date: 29/06/2026		
Report Title: Rainfall Analysis Criteria		Designed by: J. Dunesby	Checked by: W. Nienaber	
		Approved By: W. Nienaber		
		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

FEH2022 (100yrCC only)		Type: FEH
Site Location	GB 519000 133350 TQ 19000 33350	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

Return Period (years)	Increase Rainfall (%)
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) RM12 / RM13 - Hydraulic Model (Surcharged Outfall)	Date: 29/06/2026		
	Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber
Report Details: Type: Junctions Summary Storm Phase: Phase	Revision: Rev 1		



FEH2022 (100yrCC only): 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
S2.2.0	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	56.315	54.290	55.849	1.559	279.7	7.053	0.000	279.5	8316.831	Surcharged
S2.1.1	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	56.350	53.990	55.844	1.854	137.5	8.388	0.000	133.5	7236.747	Surcharged
HW 2.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	54.700	53.910	54.698	0.788	71.0	0.000	0.000	71.0	584.935	Flood Risk
S2.1.0	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	54.830	53.930	54.725	0.795	133.5	1.405	0.000	133.5	7232.043	Flood Risk
S2.3.0	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	56.500	54.600	55.847	1.247	4.2	1.410	0.000	4.2	93.359	Surcharged
S2.1.3	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	56.000	54.665	55.844	1.179	1.2	1.334	0.000	2.2	5.164	Flood Risk
S2.1.2	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	55.830	54.590	55.844	1.254	6.1	15.474	14.071	9.3	68.104	Flood
S2.4.0	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	56.490	54.625	55.847	1.222	4.3	1.382	0.000	4.2	94.222	Surcharged
S2.5.0	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	56.800	54.940	55.847	0.907	0.6	1.026	0.000	0.5	12.346	Surcharged
S5.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	56.680	54.580	55.857	1.277	268.4	1.444	0.000	268.3	8077.904	Surcharged
S4.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	56.165	54.310	55.851	1.541	279.8	1.743	0.000	279.7	8323.842	Surcharged
S4.1.0	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	56.590	54.875	55.851	0.976	8.7	1.104	0.000	8.7	192.525	Surcharged
S4.1.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	57.240	56.115	56.154	0.039	6.8	0.044	0.000	6.8	14.227	OK
S4.2.0	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	55.980	54.995	55.851	0.856	1.6	0.968	0.000	1.5	35.271	Flood Risk
S6.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	57.075	54.725	55.962	1.237	1080.9	1.399	0.000	1079.8	3491.402	Surcharged

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (Surcharged Outfall)		Date: 29/06/2026			
Report Details: Type: Junctions Summary Storm Phase: Phase		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
		Revision: Rev 1			

S7.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	57.350	54.825	56.218	1.393	1061.5	1.575	0.000	1060.4	3457.464	Surcharged
S8.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	57.660	54.940	56.481	1.541	1050.9	1.743	0.000	1049.6	3440.232	Surcharged
S9.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	57.885	55.005	56.709	1.704	1044.0	1.927	0.000	1042.4	3429.089	Surcharged
S9.0.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	57.705	55.675	56.745	1.070	29.8	1.210	0.000	28.2	65.985	Surcharged
S9.0.2	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	56.915	55.975	56.748	0.773	5.6	0.874	0.000	5.7	11.913	Flood Risk
S9.1.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	58.055	55.270	56.776	1.506	482.7	1.703	0.000	481.3	1079.893	Surcharged
S9.2.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	58.050	55.385	56.857	1.472	473.7	1.664	0.000	472.1	1058.671	Surcharged
S9.3.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	57.600	55.790	57.093	1.303	444.8	1.473	0.000	442.8	994.663	Surcharged
S9.4.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	58.060	56.120	57.291	1.171	406.9	1.325	0.000	404.8	910.229	Surcharged
S24.6.0	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	58.080	55.465	55.773	0.308	3.3	0.349	0.000	3.3	71.680	Surcharged
S24.7.0	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	57.970	55.605	55.773	0.168	3.3	0.191	0.000	3.3	71.671	OK
S24.5.0	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	58.190	55.340	55.773	0.433	7.4	0.490	0.000	7.4	162.446	Surcharged
S9.5.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	58.290	56.280	57.444	1.164	405.7	1.317	0.000	403.4	902.659	Surcharged
S9.6.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	59.900	56.760	57.817	1.057	372.5	1.195	0.000	369.5	826.147	Surcharged
S9.6.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	59.740	58.315	58.342	0.027	5.6	0.031	0.000	5.6	11.909	OK
S9.7.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	59.575	57.545	58.248	0.703	361.6	0.795	0.000	357.8	795.074	Surcharged
S9.7.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	59.645	58.000	58.258	0.258	17.4	0.292	0.000	17.1	36.516	Surcharged

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (Surcharged Outfall)				Date: 29/06/2026						
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:				
				J. Dunesby	W. Nienaber	W. Nienaber				
				Revision: Rev 1						

S9.7.2	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	59.47 5	58.35 0	58.402	0.052	9.1	0.059	0.000	9.1	19.188	OK
S9.8.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	59.69 0	57.81 0	58.475	0.665	351.4	0.752	0.000	342.6	745.173	Surcharged
S9.9.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	60.95 5	58.96 0	59.223	0.263	303.5	0.297	0.000	302.9	642.700	OK
S9.10.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	61.16 5	58.99 5	59.407	0.412	297.9	0.466	0.000	297.5	629.780	OK
S9.10.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	61.31 5	59.52 5	59.571	0.046	14.9	0.052	0.000	14.9	31.399	OK
S9.10.2	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	61.41 0	60.28 5	60.326	0.041	7.3	0.047	0.000	7.3	15.312	OK
S9.11.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	61.38 5	59.04 0	59.595	0.555	274.8	0.628	0.000	274.7	581.056	Surcharged
S9.12.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	61.72 5	59.16 0	59.852	0.692	249.4	0.782	0.000	249.2	527.119	Surcharged
S9.12.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	62.84 0	60.65 0	60.755	0.105	48.9	0.119	0.000	48.9	103.048	OK
S9.12.2	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	63.14 5	61.06 5	61.155	0.090	26.9	0.102	0.000	26.9	56.633	OK
S9.12.3	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	63.22 0	61.40 0	61.488	0.088	22.9	0.100	0.000	22.9	48.276	OK
S9.12.4	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	63.10 0	61.64 5	61.715	0.070	15.1	0.079	0.000	15.1	31.769	OK
S9.12.5	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	62.91 0	61.78 5	61.861	0.076	10.3	0.086	0.000	10.3	21.679	OK
S9.12.6	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	62.94 0	61.41 0	61.452	0.042	9.7	0.048	0.000	9.7	20.365	OK
S9.12.7	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	63.08 5	61.96 0	61.991	0.031	4.7	0.035	0.000	4.7	9.834	OK
S9.13.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	61.66 0	59.32 5	59.933	0.608	172.3	0.688	0.000	172.2	364.422	Surcharged
S9.14.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	61.44 0	59.42 5	60.008	0.583	157.4	0.659	0.000	157.2	332.523	Surcharged

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (Surcharged Outfall)				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S9.15.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	61.28 5	59.49 5	60.050	0.555	132.5	0.627	0.000	132.3	279.772	Surcharged
S9.16.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	61.25 5	59.60 5	60.080	0.475	95.9	0.537	0.000	95.7	202.145	Surcharged
S9.16.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	62.57 0	61.14 5	61.215	0.070	24.3	0.079	0.000	24.3	51.067	OK
S9.16.2	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	62.86 5	61.48 5	61.548	0.063	13.2	0.071	0.000	13.2	27.827	OK
S9.16.3	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	63.14 0	61.75 5	61.804	0.049	8.5	0.056	0.000	8.5	17.933	OK
S9.16.4	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	63.26 0	62.13 5	62.181	0.046	7.3	0.052	0.000	7.3	15.355	OK
S9.17.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	61.89 0	60.10 5	60.167	0.062	9.8	0.070	0.000	9.7	20.548	OK
S10.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	59.76 5	56.47 0	57.064	0.594	486.1	0.672	0.000	470.2	2162.282	OK
S10.0.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	59.86 5	56.97 0	57.109	0.139	88.0	0.157	0.000	83.4	183.906	OK
S10.0.2	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	59.28 5	57.60 5	57.805	0.200	77.0	0.226	0.000	77.7	162.279	OK
S10.0.3	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	59.24 0	57.78 0	58.052	0.272	70.2	0.308	0.000	70.2	147.919	Surcharged
S10.0.4	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	59.59 5	58.17 5	58.312	0.137	35.8	0.155	0.000	35.8	75.384	OK
S10.0.5	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	59.76 0	58.33 5	58.436	0.101	19.2	0.114	0.000	19.2	40.538	OK
S10.1.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	59.18 5	57.04 0	57.921	0.881	130.9	0.997	0.000	128.6	279.604	Surcharged
S10.1.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	58.73 0	57.30 5	57.932	0.627	10.6	0.709	0.000	12.9	22.449	Surcharged
S10.2.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	60.99 0	58.51 5	58.632	0.117	52.8	0.132	0.000	52.8	111.192	OK
S10.2.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	60.23 0	58.80 5	58.903	0.098	18.8	0.111	0.000	18.8	39.579	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (Surcharged Outfall)			Date: 29/06/2026			
Report Details: Type: Junctions Summary Storm Phase: Phase			Designed by:	Checked by:	Approved By:	
			J. Dunesby	W. Nienaber	W. Nienaber	
			Revision: Rev 1			

S10.3.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	61.44 5	60.02 0	60.066	0.046	9.3	0.052	0.000	9.3	19.677	OK
S11.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	60.80 5	57.01 0	57.246	0.236	253.3	0.267	0.000	254.1	1657.548	OK
S11.0.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	60.25 0	58.82 5	58.872	0.047	12.3	0.053	0.000	12.3	25.977	OK
S12.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	61.66 0	57.57 0	57.765	0.195	176.0	0.220	0.000	175.8	1496.541	OK
S13.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	62.26 5	58.28 0	58.463	0.183	159.7	0.207	0.000	159.5	1464.042	OK
S13.0.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	62.51 5	58.92 5	59.067	0.142	46.2	0.161	0.000	46.2	97.391	OK
S13.0.2	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	62.30 5	59.02 0	59.191	0.171	37.0	0.193	0.000	37.0	77.994	OK
S13.0.3	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	60.76 5	59.34 0	59.477	0.137	28.8	0.155	0.000	28.8	60.853	OK
S14.0.0 (FC)	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Winter	62.39 5	58.82 0	61.883	3.063	401.8	3.464	0.000	102.3	1969.646	Surcharged
S15.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	63.60 0	60.53 0	62.332	1.802	508.5	2.038	0.000	507.8	1430.839	Surcharged
S15.0.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	63.28 0	60.79 0	62.335	1.545	28.7	1.748	0.000	22.8	176.997	Surcharged
S15.0.2 (FC)	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	62.57 5	60.95 5	62.245	1.290	23.4	1.459	0.000	10.0	142.150	Surcharged
S15.0.3	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	63.12 0	61.54 5	62.246	0.701	96.0	0.793	0.000	93.6	197.929	Surcharged
S15.0.4	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	65.07 5	63.57 5	63.686	0.111	57.4	0.126	0.000	57.4	120.591	OK
S15.0.5	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	65.50 0	64.00 0	64.106	0.106	52.5	0.120	0.000	52.5	110.508	OK
S15.0.6	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	66.18 0	64.68 0	64.769	0.089	44.3	0.101	0.000	44.3	93.239	OK
S15.0.7	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	67.03 0	65.52 5	65.607	0.082	38.5	0.093	0.000	38.5	81.132	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (Surcharged Outfall)				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S15.0.8	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	68.27 5	66.83 5	66.902	0.067	22.9	0.076	0.000	22.9	48.323	OK
S15.0.9	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	70.15 0	68.72 5	68.756	0.031	4.8	0.036	0.000	4.8	10.181	OK
S15.1.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	63.51 0	60.77 5	62.348	1.573	63.6	1.779	0.000	63.0	253.737	Surcharged
S15.2.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	63.67 0	60.95 0	62.365	1.415	55.3	1.600	0.000	54.7	236.983	Surcharged
S15.3.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	64.16 0	61.49 5	62.378	0.883	30.5	0.999	0.000	29.9	186.924	Surcharged
S15.4.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	64.34 5	61.70 0	62.381	0.681	21.3	0.770	0.000	20.7	166.754	Surcharged
S15.5.0 (FC)	FEH2022 (100yrCC only): 100 years: +20 %: 240 mins: Winter	64.50 0	61.87 0	63.292	1.422	13.3	1.608	0.000	11.0	285.940	Surcharged
S15.6.0	FEH2022 (100yrCC only): 100 years: +20 %: 240 mins: Winter	64.63 0	62.87 5	63.293	0.418	96.1	0.473	0.000	96.1	550.229	Surcharged
S15.7.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	65.94 5	64.30 0	64.503	0.203	200.8	0.230	0.000	200.8	423.486	OK
S15.8.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	66.36 5	64.79 0	65.013	0.223	198.0	0.252	0.000	198.0	417.462	OK
S15.8.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	66.65 5	65.07 5	65.407	0.332	141.9	0.376	0.000	141.9	299.098	Surcharged
S15.8.2	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	66.91 5	65.41 5	65.782	0.367	117.4	0.415	0.000	117.4	247.474	Surcharged
S15.8.3	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	67.04 5	65.54 5	65.929	0.384	98.5	0.435	0.000	98.5	207.574	Surcharged
S15.8.4	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	68.09 5	66.59 5	66.725	0.130	88.0	0.147	0.000	88.0	185.388	OK
S15.8.5	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	69.83 5	68.33 5	68.430	0.095	49.4	0.107	0.000	49.4	103.989	OK
S15.8.6	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	70.79 0	69.29 0	69.381	0.091	42.9	0.103	0.000	42.9	90.344	OK
S15.8.7	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	71.32 0	69.89 5	69.944	0.049	6.3	0.055	0.000	6.3	13.304	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (Surcharged Outfall)				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S15.9.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	67.20 0	65.80 0	65.901	0.101	52.5	0.114	0.000	52.5	110.639	OK
S15.10.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	67.87 5	66.45 0	66.567	0.117	52.5	0.132	0.000	52.5	110.640	OK
S15.11.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	68.36 5	66.94 0	67.059	0.119	52.5	0.134	0.000	52.5	110.640	OK
S15.12.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	71.43 5	69.95 0	70.021	0.071	25.2	0.080	0.000	25.2	53.122	OK
S15.13.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	73.51 5	72.09 0	72.131	0.041	8.8	0.047	0.000	8.8	18.601	OK
S16.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	65.85 5	62.37 5	62.709	0.334	399.4	0.378	0.000	388.8	939.303	OK
S16.1.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	66.28 5	63.19 5	63.303	0.108	84.2	0.122	0.000	84.1	177.419	OK
S16.2.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	66.62 5	65.12 5	65.226	0.101	67.8	0.114	0.000	67.9	142.923	OK
S16.2.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	67.28 0	65.59 0	65.658	0.068	18.0	0.077	0.000	18.0	37.816	OK
S16.2.2	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	67.81 5	65.93 0	65.996	0.066	14.3	0.074	0.000	14.2	29.987	OK
S16.2.3	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	68.03 0	66.09 5	66.147	0.052	8.8	0.059	0.000	8.8	18.623	OK
S16.2.4	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	68.02 0	66.59 5	66.630	0.035	4.3	0.040	0.000	4.3	9.156	OK
S16.3.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	66.74 0	65.32 5	65.468	0.143	42.1	0.162	0.000	42.2	88.837	OK
S16.4.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	67.04 0	65.61 5	65.688	0.073	12.3	0.083	0.000	12.3	25.901	OK
S16.5.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	65.72 0	62.49 0	62.730	0.240	104.6	0.272	0.000	101.6	312.870	OK
S16.6.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	65.16 5	62.61 5	62.835	0.220	79.6	0.249	0.000	79.6	260.527	OK
S16.7.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	64.95 0	62.66 5	62.876	0.211	62.4	0.239	0.000	62.3	224.615	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (Surcharged Outfall)					Date: 29/06/2026					
Report Details: Type: Junctions Summary Storm Phase: Phase					Designed by:	Checked by:	Approved By:			
					J. Dunesby	W. Nienaber	W. Nienaber			
					Revision: Rev 1					

S16.7.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	64.510	63.010	63.109	0.099	29.5	0.112	0.000	29.5	62.139	OK
S16.8.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	65.725	63.835	63.885	0.050	20.1	0.057	0.000	20.0	135.262	OK
S16.10.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	68.885	67.385	67.476	0.091	52.2	0.103	0.000	52.2	109.752	OK
S16.11.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	70.130	68.545	68.633	0.088	38.8	0.100	0.000	38.8	81.763	OK
S16.11.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	70.150	68.770	68.823	0.053	6.4	0.060	0.000	6.4	13.528	OK
S16.11.2	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	70.295	68.870	68.900	0.030	1.7	0.034	0.000	1.7	3.624	OK
S16.12.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	70.410	68.985	69.045	0.060	12.1	0.067	0.000	12.1	25.506	OK
S16.13.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	70.995	69.570	69.600	0.030	3.7	0.034	0.000	3.7	7.782	OK
S17.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	68.225	65.210	65.372	0.162	188.8	0.183	0.000	188.8	397.760	OK
S18.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	69.855	67.050	67.203	0.153	152.3	0.173	0.000	152.3	320.896	OK
S18.0.1	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	70.270	68.175	68.278	0.103	45.4	0.116	0.000	45.4	95.601	OK
S18.0.2	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	70.600	69.175	69.238	0.063	16.8	0.071	0.000	16.8	35.424	OK
S19.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	70.960	68.410	68.520	0.110	77.1	0.124	0.000	77.1	162.339	OK
S20.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	71.620	70.120	70.214	0.094	54.1	0.106	0.000	54.1	114.039	OK
S21.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	72.775	70.775	70.905	0.130	47.9	0.147	0.000	47.9	100.950	OK
S22.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	74.340	72.115	72.201	0.086	25.7	0.098	0.000	25.7	54.108	OK
S23.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	74.015	72.590	72.640	0.050	7.4	0.057	0.000	7.4	15.546	OK

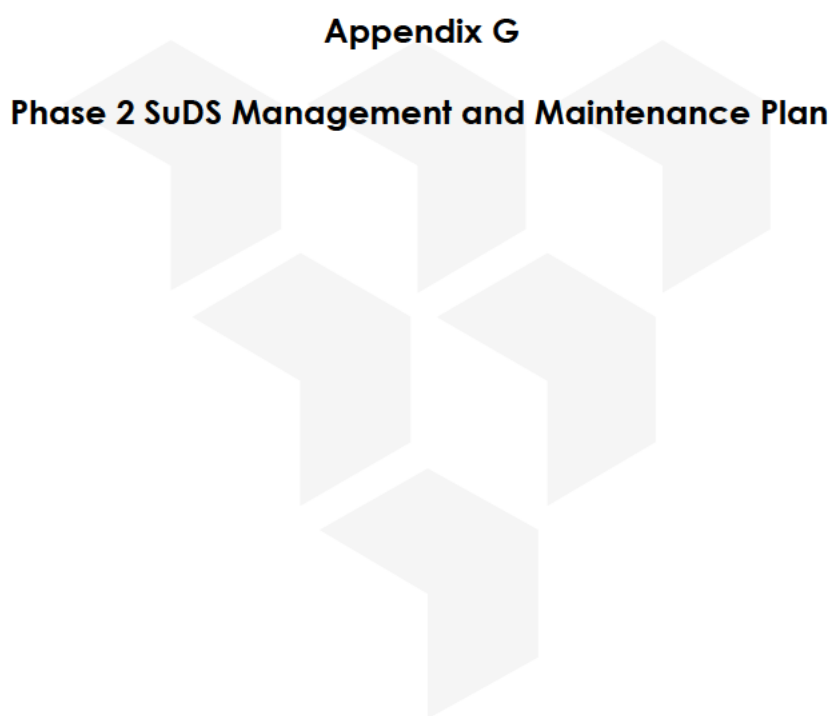
Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (Surcharged Outfall)				Date: 29/06/2026									
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by: J. Dunesby		Checked by: W. Nienaber						Approved By: W. Nienaber	
				Revision: Rev 1									
HW24.0 (Outfall)	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	55.03 0	53.57 0	54.237	0.667	6.0	0.000	0.000	6.0	57.220	OK		
S24.0.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	55.14 0	53.62 0	54.243	0.623	6.0	0.704	0.000	6.0	54.497	Surcharged		
S24.1.0 (FC)	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	55.77 0	53.78 0	55.772	1.992	8.0	4.700	2.449	6.6	317.543	Flood		
S24.2.0	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	56.09 0	53.85 0	55.773	1.923	14.6	2.175	0.000	7.6	478.150	Surcharged		
S24.3.0	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	57.67 5	55.16 5	55.773	0.608	9.1	0.688	0.000	9.2	201.731	Surcharged		
S24.4.0	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	57.90 5	55.28 0	55.773	0.493	8.2	0.558	0.000	8.2	180.922	Surcharged		
S24.8.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	57.39 0	55.71 0	55.820	0.110	18.6	0.124	0.000	18.6	39.103	OK		
S24.9.0	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	56.96 0	55.83 5	55.933	0.098	15.2	0.111	0.000	15.2	31.934	OK		
S16.9.0 (FC)	FEH2022 (100yrCC only): 100 years: +20 %: 180 mins: Winter	66.59 0	64.52 0	65.731	1.211	54.6	1.370	0.000	10.0	329.084	Surcharged		

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (Surcharged Outfall)				Date: 29/06/2026				
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase				Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber		
				Revision: Rev 1				



FEH2022 (100yrCC only): 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 2a	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	55.847	55.847	1.837	1.837	283.6	4429.782	0.000	0.000	137.5	7027.629	-4.175	Flood Risk
Pond 2c	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Summer	62.245	62.245	1.195	1.195	116.4	173.811	0.000	0.000	9.9	108.553	0.717	OK
Pond 2b	FEH2022 (100yrCC only): 100 years: +20 %: 240 mins: Winter	63.293	63.293	1.093	1.093	96.8	440.320	0.000	0.000	12.3	255.676	0.989	OK
CRATES C12	FEH2022 (100yrCC only): 100 years: +20 %: 1440 mins: Summer	55.773	55.773	1.888	1.888	15.1	251.527	0.000	0.000	4.4	147.820	0.033	OK
Pond 2d	FEH2022 (100yrCC only): 100 years: +20 %: 120 mins: Winter	61.883	61.883	1.383	1.383	328.2	699.851	0.000	0.000	69.6	486.543	2.525	OK
CRATES C13	FEH2022 (100yrCC only): 100 years: +20 %: 180 mins: Winter	65.731	65.731	1.191	1.191	51.3	183.341	0.000	0.000	9.8	96.531	1.159	OK



Appendix G

Phase 2 SuDS Management and Maintenance Plan

Mowbray, North Horsham, West Sussex (Phase 2)

Phase 2 – SuDS Management and Maintenance Plan

1.0 Site and Drainage Description

- 1.1 The wider Mowbray development at North Horsham is currently under construction with various applications for the approval of reserved matters for individual infrastructure elements and sub-phases, both under consideration and determined.
- 1.2 This SuDS Management and Maintenance Plan relates to the drainage infrastructure proposed as part of Phase 2 of the development.
- 1.3 Surface water run-off generated by the Phase 2 of the development will be discharged to the existing network of watercourses running through and around Phase 2, utilising attenuation provided by basins and geo-cellular attenuation crates located across the phase and serving various land parcels.
- 1.4 Foul effluent generated by the residential parcels will be conveyed by gravity sewer networks, which will gravitate flows to the various pump stations proposed.
- 1.5 This plan should be read alongside the accompanying drainage reports for the various applications submitted for individual infrastructure elements and residential parcels located across Phase 2. This SuDS Management and Maintenance Plan does not constitute a complete maintenance schedule and should be developed at the appropriate design stage, taking into account advice and recommendations from system manufacturers and installers. Appropriate health and safety measures should also be put in place.

2.0 Management Responsibilities

- 2.1 The proposed surface water pipe network and associated drainage infrastructure serving the development parcels of Phase 2 are to be adopted by the Advanced Water Infrastructure Networks (AWIN), which will have the responsibility to keep them maintained. There are some exceptions to this where small sections of proposed surface water drainage infrastructure will remain private. The accompanying drainage reports for the various applications submitted for individual infrastructure elements and development parcels should be referred to.
- 2.2 Gullies, gully connections and other surface water drainage infrastructure solely serving highway land are to be adopted by West Sussex County Council (WSCC) in its role as highway authority. Surface water drainage infrastructure adopted by WSCC will be their responsibility to maintain.
- 2.3 Foul water drainage infrastructure constructed as part of Phase 2 and serving the residential parcels are to be adopted by AWIN and will have the responsibility to keep them maintained.
- 2.4 All attenuation basins will remain private and be the responsibility of a management company to maintain.

3.0 Maintenance Activities

- 3.1 This section details the type and frequency of maintenance activities for the drainage infrastructure which will be implemented as part of Phase 2 of the Mowbray development.

Conventional Pipe Network / Inspection Chambers / Catchpits / Gullies

- 3.2 Piped network components require regular inspection and maintenance to ensure that the individual components continue to operate as designed, both in terms of hydraulic capacity and potential pollutant removal. All gullies, inspection chambers and catchpits will therefore be inspected and cleaned regularly, with typical maintenance activities detailed in Table 1.

Table 1: Conventional Pipe Network / Inspection Chambers / Gullies – Typical Maintenance Activities

Maintenance Schedule	Maintenance Activity	Inspection Frequency
Regular Maintenance	Inspect and identify any features that are not operating correctly. If required, take remedial action.	Monthly (for first three months), then six monthly
	Remove debris from catchment surface / gratings (where it may cause risk to performance).	Quarterly and after large storms
	Inspect and remove sediment, debris, and silt from gullies, silt traps, and catchpit chambers.	Annually, or as required
	Inspect pipework for blockages, root ingress, displaced joints, or other signs of differential settlement.	Annually, or as required
Remedial Actions	Clear pipework of blockages, root ingress, repair joints or repair other signs of differential settlement.	As required
	Replacement of gullies / pipe system.	As required
	Repair / rehabilitation of gratings, inlets and outlets.	As required
Monitoring	Inspect / check all gratings, manholes, gullies, and catchpits to ensure that they are in good condition and operating as designed.	Annually and after large storm events
Structure Rehabilitation / Repair	Regular maintenance and monitoring to identify if repair and / or replacement of features or pipe system is required.	As required

Attenuation Basin

- 3.3 Attenuation basins are landscaped depressions which surface water is attenuated within prior to being discharged to the network of watercourses running through and around Phase 2 of the Mowbray development. To ensure the effective operation of the basins with limited erosion and silt accumulation, regular inspection and maintenance is required including the typical maintenance activities detailed in Table 2.

Table 2: Attenuation Basins – Typical Maintenance Activities

Maintenance Schedule	Maintenance Activity	Inspection Frequency
Regular Maintenance	Mow grass access paths and verges surrounding basins, at 35mm-50mm minimum and 75mm maximum.	Monthly (during growing season), or as required
	Mow rough grass areas for occasional access or habitat reasons at 100mm and 150mm maximum with cutting removed to wildlife piles.	As required
	Manage other vegetation and remove nuisance plants.	Monthly (for first three months, then as required)
	Inspect for signs of clogging and remove any litter / debris found.	Monthly, or as required
	Inspect and clear inlets, outlets, and overflows of any blockages.	Annually, or as required
	Inspect inlets and pre-treatment systems for silt accumulation; establish appropriate silt removal frequencies.	Monthly (for first year), then annually, or as required
	Inspect banksides for evidence of physical damage and repair as appropriate.	Annually, or as required
	Cut (trim) wetland vegetation at 100mm and remove cuttings.	Annually, or as required
	Reseed areas of poor vegetation growth.	As required
	Prune and trim any trees and remove cuttings.	Every 2 years, or as required
Occasional Maintenance	Where silt accumulates on apron or area in front of inlet or outlet then remove and spread above design profile of SuDS. Where silt accumulates more than 150mm in base of basins undertake a phased removal of silt subject to Client approval. Remove silt but not more than 30% of basin area at any one time and to an agreed depth. Retain as much representative existing vegetation as possible to ensure rapid re-colonisation of open areas. Stack excavated material adjacent to basin to allow dewatering of silt. Undertake silt removal during September-October to minimise damage to protected wildlife and ensure re-growth of aquatic vegetation before winter. Spread excavated material on site above SUDS design profile.	Every 3 years, or as required (likely to be minimal requirements where effective upstream source control is provided)
Remedial Actions	Repair erosion or other damage by reseeding or re-turfing.	As required

Geo-Cellular Attenuation Crates

- 3.4 Geo-cellular attenuation crates are below ground structures utilised to attenuate surface water run-off. To ensure both the effective operation and hydraulic capacity of the attenuation crates is maintained, regular inspection and maintenance is required including the typical maintenance activities detailed in Table 3.

Table 3: Geo-Cellular Attenuation Crates (Wavin or Similar)* - Typical Maintenance Activities

Maintenance Schedule	Maintenance Activity	Inspection Frequency
Regular maintenance	Initial inspection and identify any areas that are not operating correctly and either clean or replacement inlets, outlets, overflows, and/or vents.	Monthly for 3 months, then annually
	Inspect / check all inlets, outlets, vents, and overflows to ensure that they are in good condition and operating as designed.	Annually
	Remove sediment from pre-treatment structures and/or internal forebays.	Annually, or as required

*Refer to manufacturer's guidance for specific maintenance instructions.

Inlet / Outlets / Controls

- 3.5 Headwalls, flow control chambers and outfalls direct the flow in and control the flow rate out of the proposed basins across Phase 2. To prevent surface water exceedance, regular inspection and maintenance of these structures are required to remove potential blockages and ensure the intended design flow rates are achieved. Typical maintenance activities for these structures are included in Table 4.

Table 4: Inlets / Outlets / Flow Control Devices* – Typical Maintenance Activities

Maintenance Schedule	Maintenance Activity	Inspection Frequency
Regular Maintenance	Inspect control chamber and remove any sediment, debris, and silt to ensure water is flowing freely.	Quarterly, or as required
	Inspect chamber and incoming / outgoing pipework for blockage or root ingress.	Six monthly, or as required
	Inspect surface structures for physical damage.	Quarterly, or as required
	Cut (Strim) vegetation 1m minimum from the surround of structures.	Six monthly (spring and autumn)
	Remove debris and silt from hard head wall aprons.	Quarterly, or as required
	Inspect and clear headwall grills.	Quarterly, or as required
	Undertake general inspection after Autumn leaf fall.	Annually
Occasional Maintenance	Check topsoil levels are 20mm above chamber edges to avoid mower damage.	As required
Remedial Actions	Clear chamber and incoming / outgoing pipework of blockages.	As required
	Repair physical damage or replace missing grills or controls.	As required

*Refer to manufacturer's guidance for specific maintenance instructions

Appendix H

Hydraulic Calculations – 1 in 100 year +40% Climate Change Design Event

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (1 in 100yr + 40% Climate Change)		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
Report Details: Type: Network Design Criteria Storm Phase: Phase		Revision: Rev 1			

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) RM12 / RM13 - Hydraulic Model (1 in 100yr + 40% Climate Change)		Date: 29/06/2026			
		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
Report Details: Type: Outfall Details Storm Phase: Phase		Revision: Rev 1			

Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
HW 2.1	Free Discharge			
HW24.0 (Outfall)	Free Discharge			

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (1 in 100yr + 40% Climate Change)		Date: 29/06/2026		
Report Title: Rainfall Analysis Criteria		Designed by: J. Dunesby	Checked by: W. Nienaber	
		Approved By: W. Nienaber		
		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

FEH2022 (100yr40CC)		Type: FEH
Site Location	GB 519000 133350 TQ 19000 33350	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

Return Period (years)	Increase Rainfall (%)
100.0	40.000

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) RM12 / RM13 - Hydraulic Model (1 in 100yr + 40% Climate Change)		Date: 29/06/2026			
Report Details: Type: Junctions Summary Storm Phase: Phase		Designed by: J. Dunesby	Checked by: W. Nienaber		Approved By: W. Nienaber
		Revision: Rev 1			



FEH2022 (100yr40CC): 100 years: Increase Rainfall (%): +40: 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
S2.2.0	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	56.315	54.290	55.903	1.613	315.2	7.295	0.000	314.9	9702.065	Surcharged
S2.1.1	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	56.350	53.990	55.897	1.907	151.5	8.627	0.000	142.7	8257.969	Surcharged
HW 2.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	54.700	53.910	54.122	0.212	86.9	0.000	0.000	86.9	784.987	OK
S2.1.0	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	54.830	53.930	54.260	0.330	142.7	0.583	0.000	142.7	8197.013	OK
S2.3.0	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	56.500	54.600	55.900	1.300	4.9	1.471	0.000	4.9	109.042	Surcharged
S2.1.3	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	56.000	54.665	55.897	1.232	0.3	1.393	0.000	2.1	6.003	Flood Risk
S2.1.2	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	55.830	54.590	55.897	1.307	14.1	68.410	67.008	12.4	124.683	Flood
S2.4.0	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	56.490	54.625	55.900	1.275	5.0	1.442	0.000	4.9	109.971	Surcharged
S2.5.0	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	56.800	54.940	55.900	0.960	0.7	1.086	0.000	0.6	14.308	Surcharged
S5.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	56.680	54.580	55.912	1.332	302.0	1.506	0.000	301.9	9422.379	Surcharged
S4.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	56.165	54.310	55.905	1.595	315.3	1.804	0.000	315.2	9709.464	Flood Risk
S4.1.0	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	56.590	54.875	55.905	1.030	10.1	1.165	0.000	10.1	223.667	Surcharged
S4.1.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	57.240	56.115	56.157	0.042	7.9	0.048	0.000	7.9	16.604	OK
S4.2.0	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	55.980	54.995	55.905	0.910	1.9	1.029	0.000	1.8	40.879	Flood Risk
S6.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	57.075	54.725	56.228	1.503	1191.9	1.700	0.000	1190.9	3899.453	Surcharged

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (1 in 100yr + 40% Climate Change)				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S7.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	57.35 0	54.82 5	56.535	1.710	1169.0	1.934	0.000	1167.9	3858.500	Surcharged
S8.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	57.66 0	54.94 0	56.850	1.910	1156.3	2.160	0.000	1155.2	3837.461	Surcharged
S9.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	57.88 5	55.00 5	57.121	2.116	1156.6	2.393	0.000	1146.3	3826.458	Surcharged
S9.0.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	57.70 5	55.67 5	57.111	1.436	61.8	1.624	0.000	66.5	95.502	Surcharged
S9.0.2	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	56.91 5	55.97 5	56.933	0.958	44.2	18.863	17.800	48.2	29.429	Flood
S9.1.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	58.05 5	55.27 0	57.206	1.936	549.8	2.190	0.000	548.7	1258.913	Surcharged
S9.2.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	58.05 0	55.38 5	57.308	1.923	538.4	2.175	0.000	537.5	1234.864	Surcharged
S9.3.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	57.60 0	55.79 0	57.600	1.810	505.1	2.055	0.008	502.4	1160.854	Flood
S9.4.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	58.06 0	56.12 0	57.850	1.730	459.6	1.956	0.000	458.3	1062.114	Flood Risk
S24.6.0	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	58.08 0	55.46 5	55.797	0.332	3.8	0.375	0.000	3.8	84.601	Surcharged
S24.7.0	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	57.97 0	55.60 5	55.797	0.192	3.8	0.217	0.000	3.8	83.988	OK
S24.5.0	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	58.19 0	55.34 0	55.797	0.457	8.6	0.516	0.000	8.6	190.719	Surcharged
S9.5.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	58.29 0	56.28 0	58.039	1.759	457.2	1.989	0.000	455.5	1053.361	Flood Risk
S9.6.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	59.90 0	56.76 0	58.489	1.729	417.0	1.956	0.000	414.9	963.900	Surcharged
S9.6.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	59.74 0	58.31 5	58.491	0.176	6.6	0.199	0.000	6.5	13.881	OK
S9.7.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	59.57 5	57.54 5	59.014	1.469	405.3	1.662	0.000	403.1	928.013	Surcharged
S9.7.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	59.64 5	58.00 0	59.029	1.029	20.1	1.164	0.000	21.2	42.914	Surcharged

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (1 in 100yr + 40% Climate Change)				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S9.7.2	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	59.47 5	58.35 0	59.034	0.684	10.6	0.774	0.000	11.0	22.436	Surcharged
S9.8.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	59.69 0	57.81 0	59.292	1.482	384.1	1.676	0.000	381.7	869.547	Surcharged
S9.9.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	60.95 5	58.96 0	59.917	0.957	330.2	1.083	0.000	327.5	749.813	Surcharged
S9.10.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	61.16 5	58.99 5	60.114	1.119	325.7	1.265	0.000	323.1	734.890	Surcharged
S9.10.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	61.31 5	59.52 5	60.122	0.597	17.4	0.675	0.000	25.1	36.675	Surcharged
S9.10.2	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	61.41 0	60.28 5	60.330	0.045	8.5	0.050	0.000	8.5	17.881	OK
S9.11.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	61.38 5	59.04 0	60.315	1.275	304.0	1.442	0.000	301.2	677.970	Surcharged
S9.12.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	61.72 5	59.16 0	60.627	1.467	277.0	1.659	0.000	274.1	615.068	Surcharged
S9.12.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	62.84 0	60.65 0	60.765	0.115	57.0	0.130	0.000	56.7	120.199	OK
S9.12.2	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	63.14 5	61.06 5	61.164	0.099	31.3	0.112	0.000	31.3	66.077	OK
S9.12.3	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	63.22 0	61.40 0	61.497	0.097	26.7	0.109	0.000	26.7	56.322	OK
S9.12.4	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	63.10 0	61.64 5	61.722	0.077	17.6	0.087	0.000	17.6	37.085	OK
S9.12.5	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	62.91 0	61.78 5	61.868	0.083	12.0	0.094	0.000	12.0	25.309	OK
S9.12.6	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	62.94 0	61.41 0	61.456	0.046	11.3	0.052	0.000	11.3	23.755	OK
S9.12.7	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	63.08 5	61.96 0	61.993	0.033	5.4	0.037	0.000	5.4	11.484	OK
S9.13.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	61.66 0	59.32 5	60.724	1.399	190.1	1.582	0.000	187.3	425.285	Surcharged
S9.14.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	61.44 0	59.42 5	60.815	1.390	175.3	1.572	0.000	172.4	388.046	Surcharged

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (1 in 100yr + 40% Climate Change)				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S9.15.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	61.28 5	59.49 5	60.866	1.371	149.0	1.551	0.000	146.1	326.488	Surcharged
S9.16.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	61.25 5	59.60 5	60.903	1.298	110.4	1.468	0.000	106.1	235.939	Surcharged
S9.16.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	62.57 0	61.14 5	61.222	0.077	28.3	0.087	0.000	28.3	59.585	OK
S9.16.2	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	62.86 5	61.48 5	61.553	0.068	15.4	0.077	0.000	15.4	32.495	OK
S9.16.3	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	63.14 0	61.75 5	61.809	0.054	9.9	0.061	0.000	9.9	20.933	OK
S9.16.4	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	63.26 0	62.13 5	62.185	0.050	8.5	0.056	0.000	8.5	17.917	OK
S9.17.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	61.89 0	60.10 5	60.916	0.811	11.4	0.917	0.000	14.3	23.968	Surcharged
S10.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	59.76 5	56.47 0	57.577	1.107	534.6	1.251	0.000	532.9	2344.729	Surcharged
S10.0.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	59.86 5	56.97 0	57.673	0.703	95.7	0.795	0.000	99.8	214.728	Surcharged
S10.0.2	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	59.28 5	57.60 5	58.376	0.771	84.8	0.872	0.000	83.8	189.434	Surcharged
S10.0.3	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	59.24 0	57.78 0	58.626	0.846	78.1	0.957	0.000	76.9	172.733	Surcharged
S10.0.4	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	59.59 5	58.17 5	58.849	0.674	41.8	0.763	0.000	37.9	87.972	Surcharged
S10.0.5	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	59.76 0	58.33 5	58.881	0.546	22.4	0.617	0.000	22.5	47.322	Surcharged
S10.1.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	59.18 5	57.04 0	58.581	1.541	148.0	1.743	0.000	143.0	326.104	Surcharged
S10.1.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	58.73 0	57.30 5	58.596	1.291	12.4	1.460	0.000	15.0	26.192	Flood Risk
S10.2.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	60.99 0	58.51 5	58.730	0.215	61.7	0.243	0.000	59.9	129.715	OK
S10.2.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	60.23 0	58.80 5	58.912	0.107	21.9	0.121	0.000	22.0	46.164	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (1 in 100yr + 40% Climate Change)				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S10.3.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	61.44 5	60.02 0	60.069	0.049	10.9	0.055	0.000	10.9	22.959	OK
S11.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	60.80 5	57.01 0	57.654	0.644	282.5	0.728	0.000	273.9	1755.373	Surcharged
S11.0.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	60.25 0	58.82 5	58.876	0.051	14.4	0.058	0.000	14.4	30.281	OK
S12.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	61.66 0	57.57 0	57.769	0.199	192.0	0.225	0.000	192.1	1567.236	OK
S13.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	62.26 5	58.28 0	58.473	0.193	173.0	0.219	0.000	172.8	1529.045	OK
S13.0.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	62.51 5	58.92 5	59.086	0.161	53.9	0.182	0.000	53.9	113.579	OK
S13.0.2	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	62.30 5	59.02 0	59.221	0.201	43.1	0.227	0.000	43.2	90.942	OK
S13.0.3	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	60.76 5	59.34 0	59.492	0.152	33.7	0.172	0.000	33.7	70.950	OK
S14.0.0 (FC)	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Winter	62.39 5	58.82 0	62.046	3.226	463.6	3.648	0.000	104.2	2172.801	Surcharged
S15.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	63.60 0	60.53 0	62.719	2.189	589.4	2.475	0.000	587.9	1621.213	Surcharged
S15.0.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	63.28 0	60.79 0	62.725	1.935	33.5	2.188	0.000	22.2	185.963	Surcharged
S15.0.2 (FC)	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Winter	62.57 5	60.95 5	62.396	1.441	20.9	1.629	0.000	10.0	141.782	Flood Risk
S15.0.3	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Winter	63.12 0	61.54 5	62.396	0.851	80.7	0.963	0.000	79.7	230.855	Surcharged
S15.0.4	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	65.07 5	63.57 5	63.697	0.122	67.0	0.138	0.000	67.0	140.736	OK
S15.0.5	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	65.50 0	64.00 0	64.116	0.116	61.2	0.131	0.000	61.2	129.000	OK
S15.0.6	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	66.18 0	64.68 0	64.778	0.098	51.6	0.110	0.000	51.6	108.839	OK
S15.0.7	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	67.03 0	65.52 5	65.615	0.090	44.9	0.101	0.000	44.9	94.698	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (1 in 100yr + 40% Climate Change)				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S15.0.8	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	68.27 5	66.83 5	66.908	0.073	26.8	0.082	0.000	26.8	56.394	OK
S15.0.9	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	70.15 0	68.72 5	68.759	0.034	5.6	0.038	0.000	5.6	11.903	OK
S15.1.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	63.51 0	60.77 5	62.736	1.961	70.5	2.218	0.000	68.8	274.419	Surcharged
S15.2.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	63.67 0	60.95 0	62.757	1.807	62.0	2.043	0.000	60.1	254.878	Surcharged
S15.3.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	64.16 0	61.49 5	62.772	1.277	33.7	1.445	0.000	32.4	197.607	Surcharged
S15.4.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	64.34 5	61.70 0	62.776	1.076	23.2	1.217	0.000	22.3	174.026	Surcharged
S15.5.0 (FC)	FEH2022 (100yr40CC): 100 years: +40 %: 240 mins: Winter	64.50 0	61.87 0	63.442	1.572	15.6	1.778	0.000	11.0	295.883	Surcharged
S15.6.0	FEH2022 (100yr40CC): 100 years: +40 %: 240 mins: Winter	64.63 0	62.87 5	63.444	0.569	112.3	0.643	0.000	111.1	640.710	Surcharged
S15.7.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	65.94 5	64.30 0	64.511	0.211	234.3	0.239	0.000	234.3	493.763	OK
S15.8.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	66.36 5	64.79 0	65.039	0.249	231.0	0.282	0.000	231.0	486.859	OK
S15.8.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	66.65 5	65.07 5	65.608	0.533	165.5	0.603	0.000	165.5	348.779	Surcharged
S15.8.2	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	66.91 5	65.41 5	66.129	0.714	136.9	0.808	0.000	136.9	288.551	Surcharged
S15.8.3	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	67.04 5	65.54 5	66.334	0.789	114.9	0.893	0.000	114.9	242.026	Surcharged
S15.8.4	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	68.09 5	66.59 5	66.738	0.143	102.6	0.162	0.000	102.6	216.120	OK
S15.8.5	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	69.83 5	68.33 5	68.438	0.103	57.6	0.116	0.000	57.6	121.269	OK
S15.8.6	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	70.79 0	69.29 0	69.389	0.099	50.0	0.112	0.000	50.0	105.344	OK
S15.8.7	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	71.32 0	69.89 5	69.948	0.053	7.4	0.060	0.000	7.4	15.518	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (1 in 100yr + 40% Climate Change)				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S15.9.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	67.20 0	65.80 0	65.911	0.111	61.2	0.125	0.000	61.2	129.077	OK
S15.10.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	67.87 5	66.45 0	66.579	0.129	61.2	0.146	0.000	61.2	129.078	OK
S15.11.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	68.36 5	66.94 0	67.072	0.132	61.2	0.149	0.000	61.2	129.078	OK
S15.12.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	71.43 5	69.95 0	70.027	0.077	29.4	0.087	0.000	29.4	61.984	OK
S15.13.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	73.51 5	72.09 0	72.135	0.045	10.3	0.050	0.000	10.3	21.703	OK
S16.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	65.85 5	62.37 5	63.318	0.943	454.9	1.067	0.000	453.3	1091.270	Surcharged
S16.1.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	66.28 5	63.19 5	63.375	0.180	98.2	0.203	0.000	96.7	206.911	OK
S16.2.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	66.62 5	65.12 5	65.233	0.108	79.1	0.122	0.000	79.1	166.689	OK
S16.2.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	67.28 0	65.59 0	65.664	0.074	21.0	0.084	0.000	21.0	44.140	OK
S16.2.2	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	67.81 5	65.93 0	66.002	0.072	16.6	0.081	0.000	16.6	35.016	OK
S16.2.3	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	68.03 0	66.09 5	66.152	0.057	10.3	0.065	0.000	10.3	21.737	OK
S16.2.4	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	68.02 0	66.59 5	66.633	0.038	5.1	0.043	0.000	5.1	10.692	OK
S16.3.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	66.74 0	65.32 5	65.484	0.159	49.2	0.180	0.000	49.2	103.591	OK
S16.4.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	67.04 0	65.61 5	65.694	0.079	14.3	0.090	0.000	14.3	30.203	OK
S16.5.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	65.72 0	62.49 0	63.345	0.855	118.4	0.967	0.000	119.2	360.243	Surcharged
S16.6.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	65.16 5	62.61 5	63.380	0.765	89.3	0.865	0.000	91.6	299.185	Surcharged
S16.7.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	64.95 0	62.66 5	63.391	0.726	70.9	0.821	0.000	69.1	257.102	Surcharged

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (1 in 100yr + 40% Climate Change)				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

S16.7.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	64.51 0	63.01 0	63.424	0.414	34.4	0.469	0.000	34.0	72.473	Surcharged
S16.8.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	65.72 5	63.83 5	63.887	0.052	21.6	0.059	0.000	21.5	152.721	OK
S16.10.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	68.88 5	67.38 5	67.484	0.099	60.9	0.112	0.000	60.9	128.052	OK
S16.11.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	70.13 0	68.54 5	68.641	0.096	45.3	0.108	0.000	45.3	95.365	OK
S16.11.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	70.15 0	68.77 0	68.827	0.057	7.5	0.065	0.000	7.5	15.772	OK
S16.11.2	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	70.29 5	68.87 0	68.903	0.033	2.0	0.037	0.000	2.0	4.236	OK
S16.12.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	70.41 0	68.98 5	69.049	0.064	14.1	0.073	0.000	14.1	29.760	OK
S16.13.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	70.99 5	69.57 0	69.602	0.032	4.3	0.036	0.000	4.3	9.078	OK
S17.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	68.22 5	65.21 0	65.387	0.177	220.2	0.200	0.000	220.2	463.904	OK
S18.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	69.85 5	67.05 0	67.217	0.167	177.7	0.189	0.000	177.7	374.405	OK
S18.0.1	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	70.27 0	68.17 5	68.287	0.112	52.9	0.127	0.000	52.9	111.465	OK
S18.0.2	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	70.60 0	69.17 5	69.243	0.068	19.6	0.077	0.000	19.6	41.269	OK
S19.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	70.96 0	68.41 0	68.531	0.121	89.9	0.136	0.000	89.9	189.489	OK
S20.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	71.62 0	70.12 0	70.222	0.102	63.2	0.115	0.000	63.2	133.131	OK
S21.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	72.77 5	70.77 5	70.920	0.145	55.9	0.164	0.000	55.9	117.877	OK
S22.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	74.34 0	72.11 5	72.209	0.094	30.0	0.106	0.000	30.0	63.193	OK
S23.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	74.01 5	72.59 0	72.644	0.054	8.6	0.061	0.000	8.6	18.156	OK

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (1 in 100yr + 40% Climate Change)				Date: 29/06/2026							
Report Details: Type: Junctions Summary Storm Phase: Phase				Designed by:	Checked by:	Approved By:					
				J. Dunesby	W. Nienaber	W. Nienaber					
				Revision: Rev 1							

HW24.0 (Outfall)	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	55.03 0	53.57 0	53.614	0.044	6.1	0.000	0.000	6.1	62.761	OK
S24.0.0	FEH2022 (100yr40CC): 100 years: +40 %: 360 mins: Summer	55.14 0	53.62 0	53.670	0.050	6.6	0.056	0.000	6.6	171.396	OK
S24.1.0 (FC)	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	55.77 0	53.78 0	55.796	2.016	13.8	28.118	25.867	6.6	369.406	Flood
S24.2.0	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	56.09 0	53.85 0	55.796	1.946	17.1	2.201	0.000	13.2	537.676	Flood Risk
S24.3.0	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	57.67 5	55.16 5	55.796	0.631	10.7	0.714	0.000	10.7	236.574	Surcharged
S24.4.0	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	57.90 5	55.28 0	55.797	0.517	9.6	0.584	0.000	9.6	211.748	Surcharged
S24.8.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	57.39 0	55.71 0	55.830	0.120	21.6	0.136	0.000	21.6	45.674	OK
S24.9.0	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Summer	56.96 0	55.83 5	55.942	0.107	17.7	0.122	0.000	17.7	37.317	OK
S16.9.0 (FC)	FEH2022 (100yr40CC): 100 years: +40 %: 180 mins: Winter	66.59 0	64.52 0	66.612	2.092	63.7	24.180	21.838	10.9	353.481	Flood

Project: Mowbray (Land North of Horsham) RM12 / RM13 - Hydraulic Model (1 in 100yr + 40% Climate Change)				Date: 29/06/2026				
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase				Designed by: J. Dunesby	Checked by: W. Nienaber	Approved By: W. Nienaber		
				Revision: Rev 1				



FEH2022 (100yr40CC): 100 years: Increase Rainfall (%): +40: 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 2a	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	55.900	55.900	1.890	1.890	319.8	4633.919	0.000	0.000	151.5	8140.192	-8.976	Flood Risk
Pond 2c	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Winter	62.396	62.396	1.346	1.346	100.1	218.511	0.000	0.000	9.9	103.191	-24.817	Flood Risk
Pond 2b	FEH2022 (100yr40CC): 100 years: +40 %: 240 mins: Winter	63.443	63.443	1.243	1.243	112.0	535.434	0.000	0.000	14.5	260.141	-20.398	Flood Risk
CRATES C12	FEH2022 (100yr40CC): 100 years: +40 %: 1440 mins: Summer	55.796	55.796	1.911	1.911	17.8	251.549	0.000	0.000	4.5	168.458	0.024	OK
Pond 2d	FEH2022 (100yr40CC): 100 years: +40 %: 120 mins: Winter	62.046	62.046	1.546	1.546	391.2	880.960	0.000	0.000	70.5	495.437	-22.700	Flood Risk
CRATES C13	FEH2022 (100yr40CC): 100 years: +40 %: 180 mins: Winter	66.612	66.612	2.072	2.072	62.1	194.930	9.425	0.000	18.2	81.458	-5.089	Flood

Appendix I

Southern Water Section 106 Approval Letter



Your ref

Our ref
PAPER_19485

Date
15 February 2023

Contact
Tel 0330 303 0119

Dear Ms Salt,

Application to Connect to the Public Sewerage System - Section 106.

Location: Mowbray Land North of Horsham, Horsham, West Sussex, RH12 5QR – Consent B.

We are pleased to advise that your Section 106 application to connect to the public foul sewer, as shown on your drawing GLA-S106-ZZ-D-C-1021 Revision P1 dated 12/12/2022, is approved by Southern Water. Our approval means we are satisfied with your connection method.

Connections to existing/new Southern Water assets (i.e., manholes) and the arrangement of Southern Water assets (i.e., pipe junctions within manholes) should always be in accordance with the new Design and Construction Guidance manual (“the Code”) and Southern Water’s guidance documentation. water.org.uk/sewerage-sector-guidance-approved-documents/

This Section 106 approval does not confirm that public sewer network capacity is available at your location for the proposed development. The availability of capacity may be assessed through the Pre-Planning Enquiry process.

Please note that your connection should not proceed if:

- There are unapproved changes to your submitted plan or to the intended connection point. Any unapproved changes may lead to us disconnecting your connection under S109 of the Water Industry Act 1991.
- The relevant Planning Authority has set out conditions relating to the site’s drainage and those conditions have not yet been discharged.
- You have not consulted our Health and Safety Advisory that can be viewed at the following link southernwater.co.uk/developing-building/health-and-safety
- You have not obtained the necessary Building Regulations Approvals or, if relevant, obtained a Highway Authority Road Opening License.

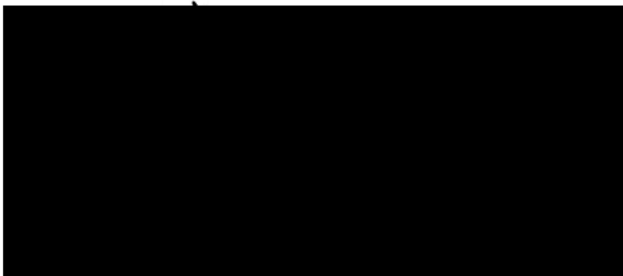
- Landowner consent has not been obtained where your connection is to be made through another Party's land.

What Comes Next?

Now you have received our approval, you will now need to arrange with your contractor to carry out your works on site to connect into our sewer.

Please contact Malcolm Penny our Assistant Adoption Manager for this area on 07922 860784 giving at least two full working days' notice, in order for a mutually convenient date and time for the inspection of the works to be arranged.

Yours sincerely,



Hertfordshire

|

Oxfordshire

|

Cambridgeshire

|

Bristol

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