Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
S01- 5	Manhole	342605.592	397089.855	28.623	1.634	26.989	Circular	1.200
S03 - 5	Manhole	342664.502	397093.634	28.792	2.044	26.748	Circular	1.200
S02 - 5	Manhole	342645.902	397092.435	28.622	1.798	26.824	Circular	1.200
S04- 5	Manhole	342679.665	397025.278	28.502	2.251	26.251	Circular	1.200
S12-5	Manhole	342589.034	397067.989	28.755	1.743	27.012	Circular	1.200
S06 - 5	Manhole	342657.849	397015.980	28.888	1.259	27.629	Circular	0.600
S14 - 5	Manhole	342607.362	397061.964	27.850	0.600	27.250	Rectangular	
EX	Manhole	342688.701	397024.562	28.200	1.999	26.201	Circular	1.200
S03-5	Manhole	342665.332	397080.714	28.711	2.016	26.695	Circular	2.700
S08-5	Manhole	342578.687	397011.016	28.888	0.603	28.285	Circular	0.600
S11-5	Manhole	342596.605	397080.138	28.558	1.800	26.758	Circular	1.200
S13-5	Manhole	342631.100	397070.688	28.754	1.813	26.941	Circular	1.200
S10-5	Manhole	342646.068	397082.879	28.560	1.954	26.606	Circular	1.200
S09-5	Manhole	342655.698	397071.794	28.846	2.288	26.558	Circular	1.200
S07-5	Manhole	342618.065	397013.483	28.888	1.096	27.792	Circular	0.600

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Diameter (m)	Width (m)	Lock
S01- 5			None
S03 - 5			None
S02 - 5			None
S04- 5			None
S12-5			None
S06 - 5			None
S14 - 5	0.450	0.450	None
EX			None
S03-5			None
S08-5			None
S11-5			None
S13-5			None
S10-5			None
S09-5			None
S07-5			None

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

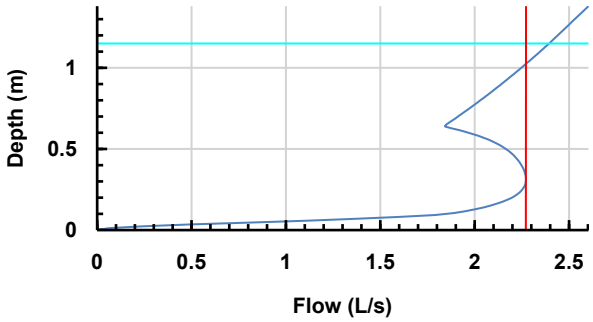
Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S01- 5	Inlet	Sw-2.000-5	(None)	No Restriction
S03 - 5	Inlet	Car-Park Unit 05	(None)	No Restriction
	Inlet (1)	Access Road Unit 05	(None)	No Restriction
	Inlet (2)	Sw-1.001-5	(None)	No Restriction
S02 - 5	Inlet	Unit 05 Loading Area Sw-1.000-5	(None)	No Restriction
S04- 5	Inlet	Sw-1.004-5	(None)	No Restriction
S12-5	Inlet	Unit 5 Roof to S12	(None)	No Restriction
S06 - 5	Inlet	Unit 05 Rear Foot path	(None)	No Restriction
	Inlet (1)	Sw-5.001-5	(None)	No Restriction
	Inlet (2)	Unit 5 Roof to S06-5	(None)	No Restriction
S14 - 5	Inlet	Unit 05 Dock	(None)	No Restriction
EX	Inlet	Sw-1.005 - 5	(None)	No Restriction
S03-5	Inlet (1)	Sw-1.002-5	(None)	No Restriction
S08-5	Inlet (1)	Side Footpath Unit 05	(None)	No Restriction
S11-5	Inlet	Sw-3.0003--5	(None)	No Restriction
S13-5	Inlet	Unit 5 Rooft to S13-5	(None)	No Restriction
S10-5	Inlet (1)	Sw-3.002-5	(None)	No Restriction
S09-5	Inlet	Sw-3.001-5	(None)	No Restriction
	Inlet (1)	Sw-4.000-5	(None)	No Restriction
S07-5	Inlet	Sw-5.002-5 Unit 5 Roof To S07-5	(None)	No Restriction

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
S01- 5	Outlet	Sw-1.000-5	Free Discharge
S03 - 5	Outlet	Sw-1.002-5	Free Discharge
S02 - 5	Outlet	Sw-1.001-5	Free Discharge
S04- 5	Outlet	Sw-1.005 - 5	Hydro-Brake®
	Invert Level (m)	26.251	
	Design Depth (m)	1.150	
	Design Flow (L/s)	2.4	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☑	
	Unit Reference	SHE-0071-2400-1150-2400	
S12-5	Outlet	Sw-3.0003--5	Free Discharge
S06 - 5	Outlet	Sw-5.000-5	Free Discharge
S14 - 5	Outlet	Sw-2.000-5	Free Discharge
S03-5	Outlet	Sw-1.003-5	Free Discharge
S08-5	Outlet	Sw-5.002-5	Free Discharge
S11-5	Outlet	Sw-3.002-5	Free Discharge
S13-5	Outlet	Sw-4.000-5	Free Discharge
S10-5	Outlet	Sw-3.001-5	Free Discharge
S09-5	Outlet	Sw-3.000-5	Free Discharge
S07-5	Outlet	Sw-5.001-5	Free Discharge



Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Tank

Type : Tank

Dimensions

Exceedance Level (m)	28.670
Depth (m)	2.400
Base Level (m)	26.270
Freeboard (mm)	1000
Initial Depth (m)	0.000
Porosity (%)	95
Average Slope (1:X)	0.00
Total Volume (m³)	890.435

Depth (m)	Area (m²)	Volume (m³)
0.000	669.50	0.000
1.400	669.50	890.435

Inlets

Inlet (2)

Inlet Type	Point Inflow
Incoming Item(s)	Sw-1.003-5
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Sw-5.000-5
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Sw-3.000-5
Bypass Destination	(None)
Capacity Type	No Restriction

Drainage Network Unit 5:	Date:		
Alchemy,Western Plot Network Space Developments	17/07/2026		
	Designed	Checked by:	Approved
	AMG		
Report Details:	Company Address:		
Type: Stormwater Controls Storm Phase: UNIT 5	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Outlets

Outlet

Outgoing Connection	Sw-1.004-5
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	53.115

Drainage Network Unit 5:	Date:		
Alchemy,Western Plot Network Space Developments	17/07/2026		
	Designed	Checked by:	Approved
	AMG		
Report Details:	Company Address:		
Type: Connections Storm Phase: UNIT 5	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

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)
Sw-1.003-5	6.230	Pipe	245.000		0.6	300	28.711	26.695
Sw-5.001-5	39.862	Pipe	245.000		0.6	300	28.888	27.792
Sw-1.000-5	40.393	Pipe	244.803		0.6	300	28.623	26.989
Sw-1.001-5	18.639	Pipe	245.244		0.6	300	28.622	26.824
Sw-1.002-5	12.946	Pipe	244.271		0.6	300	28.792	26.748
Sw-2.000-5	27.947	Pipe	107.076		0.6	300	27.850	27.250
Sw-1.005 - 5	9.064	Pipe	180.635		0.6	225	28.502	26.251
Sw-5.000-5	12.693	Pipe	79.830		0.6	300	28.888	27.629
Sw-5.002-5	39.455	Pipe	80.000		0.6	300	28.888	28.285
Sw-3.001-5	14.684	Pipe	308.132		0.6	300	28.560	26.606
Sw-3.000-5	4.927	Pipe	245.000		0.6	300	28.846	26.558
Sw-3.0003--5	14.314	Pipe	79.969		0.6	225	28.755	27.012
Sw-4.000-5	24.622	Pipe	79.942		0.6	225	28.754	26.941
Sw-1.004-5	3.215	Pipe	167.000		0.6	225	28.670	26.270
Sw-3.002-5	49.539	Pipe	325.000		0.6	300	28.558	26.758

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance	Wall Thickness (mm)
Sw-1.003-5	28.670	26.670		All		(None)	(None)	0
Sw-5.001-5	28.888	27.629		None		(None)	(None)	0
Sw-1.000-5	28.622	26.824		All		(None)	(None)	0
Sw-1.001-5	28.792	26.748		None		(None)	(None)	0
Sw-1.002-5	28.711	26.695		None		(None)	(None)	0
Sw-2.000-5	28.623	26.989		All		(None)	(None)	0
Sw-1.005 - 5	28.200	26.201		All	2.6	(None)	(None)	0
Sw-5.000-5	28.670	27.470		All		(None)	(None)	0
Sw-5.002-5	28.888	27.792		None		(None)	(None)	0
Sw-3.001-5	28.846	26.558		None		(None)	(None)	0
Sw-3.000-5	28.670	26.538		All		(None)	(None)	0
Sw-3.0003--5	28.558	26.833		All		(None)	(None)	0
Sw-4.000-5	28.846	26.633		All		(None)	(None)	0
Sw-1.004-5	28.502	26.251		None		(None)	(None)	0
Sw-3.002-5	28.560	26.606		None		(None)	(None)	0

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Material	Trench Width (mm)	Bedding Material	Surrounding Material
Sw-1.003-5		0		
Sw-5.001-5		0		
Sw-1.000-5		0		
Sw-1.001-5		0		
Sw-1.002-5		0		
Sw-2.000-5		0		
Sw-1.005 - 5		0		
Sw-5.000-5		0		
Sw-5.002-5		0		
Sw-3.001-5		0		
Sw-3.000-5		0		
Sw-3.0003--5		0		
Sw-4.000-5		0		
Sw-1.004-5		0		
Sw-3.002-5		0		

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Manhole Schedule Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S01- 5	28.623 26.989	Diameter / Length: 1.200	{1} Sw-2.000-5	Pipe	26.989	Diam/Width:300	Manhole
E:342605.592 N:397089.855	1.634		{a} Sw-1.000-5	Pipe	26.989	Diam/Width:300	Not Applicable
S03 - 5	28.792 26.748	Diameter / Length: 1.200	{1} Sw-1.001-5	Pipe	26.748	Diam/Width:300	Manhole
E:342664.502 N:397093.634	2.044		{a} Sw-1.002-5	Pipe	26.748	Diam/Width:300	Not Applicable

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Manhole Schedule Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S02 - 5	28.622 26.824	Diameter / Length: 1.200	{1} Sw-1.000-5	Pipe	26.824	Diam/Width:300	Manhole
E:342645.902 N:397092.435	1.798		{a} Sw-1.001-5	Pipe	26.824	Diam/Width:300	Not Applicable
S04- 5	28.502 26.251	Diameter / Length: 1.200	{1} Sw-1.004-5	Pipe	26.251	Diam/Width:225	Manhole
E:342679.665 N:397025.278	2.251		{a} Sw-1.005 - 5	Pipe	26.251	Diam/Width:225	Not Applicable

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Manhole Schedule Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S12-5	28.755 27.012	Diameter / Length: 1.200					Manhole
E:342589.034 N:397067.989	1.743		{a} Sw-3.0003--5	Pipe	27.012	Diam/Width:225	Not Applicable
S06 - 5	28.888 27.629	Diameter / Length: 0.600	{1} Sw-5.001-5	Pipe	27.629	Diam/Width:300	Manhole
E:342657.849 N:397015.980	1.259		{a} Sw-5.000-5	Pipe	27.629	Diam/Width:300	Not Applicable

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Manhole Schedule Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S14 - 5	27.850 27.250	Diameter / Length: 0.450					Manhole
E:342607.362 N:397061.964	0.600						
		Width: 0.450	{a} Sw-2.000-5	Pipe	27.250	Diam/Width:300	Not Applicable
EX	28.200 26.201	Diameter / Length: 1.200	{1} Sw-1.005 - 5	Pipe	26.201	Diam/Width:225	Manhole
E:342688.701 N:397024.562	1.999						
							Not Applicable

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Manhole Schedule Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S03-5	28.711 26.695	Diameter / Length: 2.700	{1} Sw-1.002-5	Pipe	26.695	Diam/Width:300	Manhole
E:342665.332 N:397080.714	2.016		{a} Sw-1.003-5	Pipe	26.695	Diam/Width:300	Not Applicable
S08-5	28.888 28.285	Diameter / Length: 0.600					Manhole
E:342578.687 N:397011.016	0.603		{a} Sw-5.002-5	Pipe	28.285	Diam/Width:300	Not Applicable

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Manhole Schedule Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S11-5	28.558 26.758	Diameter / Length: 1.200	{1} Sw-3.0003--5	Pipe	26.833	Diam/Width:225	Manhole
E:342596.605 N:397080.138	1.800		{a} Sw-3.002-5	Pipe	26.758	Diam/Width:300	Not Applicable
S13-5	28.754 26.941	Diameter / Length: 1.200					Manhole
E:342631.100 N:397070.688	1.813		{a} Sw-4.000-5	Pipe	26.941	Diam/Width:225	Not Applicable

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Manhole Schedule Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S10-5	28.560 26.606	Diameter / Length: 1.200	{1} Sw-3.002-5	Pipe	26.606	Diam/Width:300	Manhole
E:342646.068 N:397082.879	1.954		{a} Sw-3.001-5	Pipe	26.606	Diam/Width:300	Not Applicable
S09-5	28.846 26.558	Diameter / Length: 1.200	{1} Sw-3.001-5	Pipe	26.558	Diam/Width:300	Manhole
E:342655.698 N:397071.794	2.288		{2} Sw-4.000-5	Pipe	26.633	Diam/Width:225	
			{a} Sw-3.000-5	Pipe	26.558	Diam/Width:300	Not Applicable

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Manhole Schedule Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S07-5	28.888 27.792	Diameter / Length: 0.600	{1} Sw-5.002-5	Pipe	27.792	Diam/Width:300	Manhole
E:342618.065 N:397013.483	1.096		{a} Sw-5.001-5	Pipe	27.792	Diam/Width:300	Not Applicable

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflow Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Access Road Unit 05	S03 - 5		Time of Concentration	0.030	100	0	100	0.030
Car-Park Unit 05	S03 - 5		Time of Concentration	0.120	100	0	100	0.120
Side Footpath Unit 05	S08-5		Time of Concentration	0.008	100	0	100	0.008
Unit 05 Dock	S14 - 5		Time of Concentration	0.014	100	0	100	0.014
Unit 05 Loading Area	S02 - 5		Time of Concentration	0.281	100	0	100	0.281
Unit 05 Rear Foot path	S06 - 5		Time of Concentration	0.015	100	0	100	0.015
Unit 5 Roof to S06-5	S06 - 5		Time of Concentration	0.093	100	0	100	0.093
Unit 5 Roof To S07-5	S07-5		Time of Concentration	0.093	100	0	100	0.093
Unit 5 Roof to S12	S12-5		Time of Concentration	0.093	100	0	100	0.093
Unit 5 Rooft to S13-5	S13-5		Time of Concentration	0.092	100	0	100	0.092
TOTAL		**0.0**		**0.839**				**0.839**

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Network Design Criteria Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

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	☐

Pipe Size Library

Default

Add. Increment (mm)	75
Max. Diameter (mm)	0

Diameter (mm)	Min. Slope (1:X)	Max. Slope (1:X)
100	0.00	0.00
150	0.00	0.00

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Network Design Criteria Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Manhole Options

Apply Offset	☐

Manhole Size Library

Default

Diameter / Width

Connection (mm)	Diameter / Length (m)	Width (m)
0	1.200	0.000
375	1.350	0.000
500	1.500	0.000
750	1.800	0.000

Additional Sizing

Connection (mm)	900
Diameter / Length (m)	0.900
Width (m)	0.000

Depth

Depth (m)	Diameter / Length (m)	Width (m)
0.000	1.050	0.000
1.500	1.200	0.000

Access

Depth (m)	Ladder Protrusion (mm)
0.000	130
3.000	230

Benching Requirements

Landing Width (mm)	500
Benching Width (mm)	225

Drainage Network Unit 5:	Date:		
Alchemy,Western Plot Network Space Developments	17/07/2026		
	Designed	Checked by:	Approved
	AMG		
Report Details:	Company Address:		
Type: Outfall Details Storm Phase: UNIT 5	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Outfalls

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

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Title: Rainfall Analysis Criteria	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

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

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Unit 5 Roof to S12: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 2 years: +0 %: 15 mins: Summer	0.09	18.1	7.860
FEH: 2 years: +0 %: 15 mins: Winter	0.09	17.0	7.854
FEH: 2 years: +0 %: 30 mins: Summer	0.09	11.6	10.080
FEH: 2 years: +0 %: 30 mins: Winter	0.09	10.9	10.068
FEH: 2 years: +0 %: 60 mins: Summer	0.09	10.0	12.498
FEH: 2 years: +0 %: 60 mins: Winter	0.09	8.0	12.504

FEH: 2 years: +0 %: 120 mins: Summer	0.09	7.7	16.146
FEH: 2 years: +0 %: 120 mins: Winter	0.09	5.5	16.140
FEH: 2 years: +0 %: 180 mins: Summer	0.09	6.2	18.534
FEH: 2 years: +0 %: 180 mins: Winter	0.09	4.3	18.516
FEH: 2 years: +0 %: 240 mins: Summer	0.09	5.3	20.340
FEH: 2 years: +0 %: 240 mins: Winter	0.09	3.5	20.352
FEH: 2 years: +0 %: 360 mins: Summer	0.09	4.1	23.094
FEH: 2 years: +0 %: 360 mins: Winter	0.09	2.7	23.130

FEH: 2 years: +0 %: 480 mins: Summer	0.09	3.4	25.278
FEH: 2 years: +0 %: 480 mins: Winter	0.09	2.2	25.260
FEH: 2 years: +0 %: 600 mins: Summer	0.09	3.0	27.048
FEH: 2 years: +0 %: 600 mins: Winter	0.09	1.9	27.012
FEH: 2 years: +0 %: 720 mins: Summer	0.09	2.6	28.560
FEH: 2 years: +0 %: 720 mins: Winter	0.09	1.7	28.536
FEH: 2 years: +0 %: 960 mins: Summer	0.09	2.1	31.158
FEH: 2 years: +0 %: 960 mins: Winter	0.09	1.4	31.170

FEH: 2 years: +0 %: 1440 mins: Summer	0.09	1.6	35.256
FEH: 2 years: +0 %: 1440 mins: Winter	0.09	1.0	35.214
FEH: 2 years: +0 %: 2160 mins: Summer	0.09	1.2	39.954
FEH: 2 years: +0 %: 2160 mins: Winter	0.09	0.8	40.056
FEH: 2 years: +0 %: 2880 mins: Summer	0.09	1.0	43.788
FEH: 2 years: +0 %: 2880 mins: Winter	0.09	0.6	43.728
FEH: 2 years: +0 %: 4320 mins: Summer	0.09	0.8	50.298
FEH: 2 years: +0 %: 4320 mins: Winter	0.09	0.5	50.580

FEH: 2 years: +0 %: 5760 mins: Summer	0.09	0.6	56.124
FEH: 2 years: +0 %: 5760 mins: Winter	0.09	0.4	55.776
FEH: 2 years: +0 %: 7200 mins: Summer	0.09	0.6	61.596
FEH: 2 years: +0 %: 7200 mins: Winter	0.09	0.4	61.416
FEH: 2 years: +0 %: 8640 mins: Summer	0.09	0.5	66.342
FEH: 2 years: +0 %: 8640 mins: Winter	0.09	0.3	66.570
FEH: 2 years: +0 %: 10080 mins: Summer	0.09	0.5	70.890
FEH: 2 years: +0 %: 10080 mins: Winter	0.09	0.3	70.668

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Unit 05 Loading Area: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 2 years: +0 %: 15 mins: Summer	0.28	54.9	23.835
FEH: 2 years: +0 %: 15 mins: Winter	0.28	51.5	23.832
FEH: 2 years: +0 %: 30 mins: Summer	0.28	35.3	30.564
FEH: 2 years: +0 %: 30 mins: Winter	0.28	33.1	30.564
FEH: 2 years: +0 %: 60 mins: Summer	0.28	30.3	37.914
FEH: 2 years: +0 %: 60 mins: Winter	0.28	24.4	37.926

FEH: 2 years: +0 %: 120 mins: Summer	0.28	23.2	48.972
FEH: 2 years: +0 %: 120 mins: Winter	0.28	16.7	48.972
FEH: 2 years: +0 %: 180 mins: Summer	0.28	18.8	56.196
FEH: 2 years: +0 %: 180 mins: Winter	0.28	13.0	56.202
FEH: 2 years: +0 %: 240 mins: Summer	0.28	16.0	61.716
FEH: 2 years: +0 %: 240 mins: Winter	0.28	10.8	61.722
FEH: 2 years: +0 %: 360 mins: Summer	0.28	12.4	70.122
FEH: 2 years: +0 %: 360 mins: Winter	0.28	8.2	70.122

FEH: 2 years: +0 %: 480 mins: Summer	0.28	10.4	76.626
FEH: 2 years: +0 %: 480 mins: Winter	0.28	6.7	76.650
FEH: 2 years: +0 %: 600 mins: Summer	0.28	8.9	82.038
FEH: 2 years: +0 %: 600 mins: Winter	0.28	5.8	82.050
FEH: 2 years: +0 %: 720 mins: Summer	0.28	7.9	86.682
FEH: 2 years: +0 %: 720 mins: Winter	0.28	5.1	86.718
FEH: 2 years: +0 %: 960 mins: Summer	0.28	6.4	94.512
FEH: 2 years: +0 %: 960 mins: Winter	0.28	4.2	94.533

FEH: 2 years: +0 %: 1440 mins: Summer	0.28	4.9	106.932
FEH: 2 years: +0 %: 1440 mins: Winter	0.28	3.1	106.938
FEH: 2 years: +0 %: 2160 mins: Summer	0.28	3.7	121.320
FEH: 2 years: +0 %: 2160 mins: Winter	0.28	2.4	121.272
FEH: 2 years: +0 %: 2880 mins: Summer	0.28	3.0	132.960
FEH: 2 years: +0 %: 2880 mins: Winter	0.28	1.9	132.990
FEH: 2 years: +0 %: 4320 mins: Summer	0.28	2.3	152.820
FEH: 2 years: +0 %: 4320 mins: Winter	0.28	1.5	152.664

FEH: 2 years: +0 %: 5760 mins: Summer	0.28	1.9	170.226
FEH: 2 years: +0 %: 5760 mins: Winter	0.28	1.2	170.064
FEH: 2 years: +0 %: 7200 mins: Summer	0.28	1.7	186.126
FEH: 2 years: +0 %: 7200 mins: Winter	0.28	1.1	185.934
FEH: 2 years: +0 %: 8640 mins: Summer	0.28	1.5	201.456
FEH: 2 years: +0 %: 8640 mins: Winter	0.28	1.0	201.132
FEH: 2 years: +0 %: 10080 mins: Summer	0.28	1.4	215.676
FEH: 2 years: +0 %: 10080 mins: Winter	0.28	0.9	215.910

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Access Road Unit 05: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 2 years: +0 %: 15 mins: Summer	0.03	5.8	2.505
FEH: 2 years: +0 %: 15 mins: Winter	0.03	5.4	2.505
FEH: 2 years: +0 %: 30 mins: Summer	0.03	3.7	3.216
FEH: 2 years: +0 %: 30 mins: Winter	0.03	3.5	3.216
FEH: 2 years: +0 %: 60 mins: Summer	0.03	3.2	3.990
FEH: 2 years: +0 %: 60 mins: Winter	0.03	2.6	3.984

FEH: 2 years: +0 %: 120 mins: Summer	0.03	2.4	5.160
FEH: 2 years: +0 %: 120 mins: Winter	0.03	1.8	5.154
FEH: 2 years: +0 %: 180 mins: Summer	0.03	2.0	5.916
FEH: 2 years: +0 %: 180 mins: Winter	0.03	1.4	5.898
FEH: 2 years: +0 %: 240 mins: Summer	0.03	1.7	6.510
FEH: 2 years: +0 %: 240 mins: Winter	0.03	1.1	6.480
FEH: 2 years: +0 %: 360 mins: Summer	0.03	1.3	7.380
FEH: 2 years: +0 %: 360 mins: Winter	0.03	0.9	7.374

FEH: 2 years: +0 %: 480 mins: Summer	0.03	1.1	8.052
FEH: 2 years: +0 %: 480 mins: Winter	0.03	0.7	8.046
FEH: 2 years: +0 %: 600 mins: Summer	0.03	0.9	8.622
FEH: 2 years: +0 %: 600 mins: Winter	0.03	0.6	8.670
FEH: 2 years: +0 %: 720 mins: Summer	0.03	0.8	9.132
FEH: 2 years: +0 %: 720 mins: Winter	0.03	0.5	9.108
FEH: 2 years: +0 %: 960 mins: Summer	0.03	0.7	9.930
FEH: 2 years: +0 %: 960 mins: Winter	0.03	0.4	9.966

FEH: 2 years: +0 %: 1440 mins: Summer	0.03	0.5	11.256
FEH: 2 years: +0 %: 1440 mins: Winter	0.03	0.3	11.262
FEH: 2 years: +0 %: 2160 mins: Summer	0.03	0.4	12.744
FEH: 2 years: +0 %: 2160 mins: Winter	0.03	0.3	12.684
FEH: 2 years: +0 %: 2880 mins: Summer	0.03	0.3	14.034
FEH: 2 years: +0 %: 2880 mins: Winter	0.03	0.2	14.064
FEH: 2 years: +0 %: 4320 mins: Summer	0.03	0.2	15.924
FEH: 2 years: +0 %: 4320 mins: Winter	0.03	0.2	16.128

FEH: 2 years: +0 %: 5760 mins: Summer	0.03	0.2	18.096
FEH: 2 years: +0 %: 5760 mins: Winter	0.03	0.1	17.748
FEH: 2 years: +0 %: 7200 mins: Summer	0.03	0.2	19.788
FEH: 2 years: +0 %: 7200 mins: Winter	0.03	0.1	19.536
FEH: 2 years: +0 %: 8640 mins: Summer	0.03	0.2	20.946
FEH: 2 years: +0 %: 8640 mins: Winter	0.03	0.1	21.264
FEH: 2 years: +0 %: 10080 mins: Summer	0.03	0.2	22.392
FEH: 2 years: +0 %: 10080 mins: Winter	0.03	0.1	22.986

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Car-Park Unit 05: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 2 years: +0 %: 15 mins: Summer	0.12	23.5	10.188
FEH: 2 years: +0 %: 15 mins: Winter	0.12	22.0	10.185
FEH: 2 years: +0 %: 30 mins: Summer	0.12	15.1	13.062
FEH: 2 years: +0 %: 30 mins: Winter	0.12	14.2	13.062
FEH: 2 years: +0 %: 60 mins: Summer	0.12	13.0	16.206
FEH: 2 years: +0 %: 60 mins: Winter	0.12	10.4	16.206

FEH: 2 years: +0 %: 120 mins: Summer	0.12	9.9	20.922
FEH: 2 years: +0 %: 120 mins: Winter	0.12	7.2	20.910
FEH: 2 years: +0 %: 180 mins: Summer	0.12	8.1	24.024
FEH: 2 years: +0 %: 180 mins: Winter	0.12	5.5	24.018
FEH: 2 years: +0 %: 240 mins: Summer	0.12	6.8	26.370
FEH: 2 years: +0 %: 240 mins: Winter	0.12	4.6	26.376
FEH: 2 years: +0 %: 360 mins: Summer	0.12	5.3	29.970
FEH: 2 years: +0 %: 360 mins: Winter	0.12	3.5	29.952

FEH: 2 years: +0 %: 480 mins: Summer	0.12	4.4	32.742
FEH: 2 years: +0 %: 480 mins: Winter	0.12	2.9	32.760
FEH: 2 years: +0 %: 600 mins: Summer	0.12	3.8	35.070
FEH: 2 years: +0 %: 600 mins: Winter	0.12	2.5	35.046
FEH: 2 years: +0 %: 720 mins: Summer	0.12	3.4	37.062
FEH: 2 years: +0 %: 720 mins: Winter	0.12	2.2	37.038
FEH: 2 years: +0 %: 960 mins: Summer	0.12	2.8	40.380
FEH: 2 years: +0 %: 960 mins: Winter	0.12	1.8	40.398

FEH: 2 years: +0 %: 1440 mins: Summer	0.12	2.1	45.714
FEH: 2 years: +0 %: 1440 mins: Winter	0.12	1.3	45.732
FEH: 2 years: +0 %: 2160 mins: Summer	0.12	1.6	51.822
FEH: 2 years: +0 %: 2160 mins: Winter	0.12	1.0	51.816
FEH: 2 years: +0 %: 2880 mins: Summer	0.12	1.3	56.856
FEH: 2 years: +0 %: 2880 mins: Winter	0.12	0.8	56.964
FEH: 2 years: +0 %: 4320 mins: Summer	0.12	1.0	65.322
FEH: 2 years: +0 %: 4320 mins: Winter	0.12	0.6	65.124

FEH: 2 years: +0 %: 5760 mins: Summer	0.12	0.8	72.696
FEH: 2 years: +0 %: 5760 mins: Winter	0.12	0.5	72.582
FEH: 2 years: +0 %: 7200 mins: Summer	0.12	0.7	79.308
FEH: 2 years: +0 %: 7200 mins: Winter	0.12	0.5	79.578
FEH: 2 years: +0 %: 8640 mins: Summer	0.12	0.6	85.668
FEH: 2 years: +0 %: 8640 mins: Winter	0.12	0.4	85.764
FEH: 2 years: +0 %: 10080 mins: Summer	0.12	0.6	92.406
FEH: 2 years: +0 %: 10080 mins: Winter	0.12	0.4	92.550

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Unit 05 Rear Foot path: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 2 years: +0 %: 15 mins: Summer	0.01	2.8	1.233
FEH: 2 years: +0 %: 15 mins: Winter	0.01	2.7	1.236
FEH: 2 years: +0 %: 30 mins: Summer	0.01	1.8	1.584
FEH: 2 years: +0 %: 30 mins: Winter	0.01	1.7	1.590
FEH: 2 years: +0 %: 60 mins: Summer	0.01	1.6	1.968
FEH: 2 years: +0 %: 60 mins: Winter	0.01	1.3	1.968

FEH: 2 years: +0 %: 120 mins: Summer	0.01	1.2	2.538
FEH: 2 years: +0 %: 120 mins: Winter	0.01	0.9	2.544
FEH: 2 years: +0 %: 180 mins: Summer	0.01	1.0	2.916
FEH: 2 years: +0 %: 180 mins: Winter	0.01	0.7	2.904
FEH: 2 years: +0 %: 240 mins: Summer	0.01	0.8	3.192
FEH: 2 years: +0 %: 240 mins: Winter	0.01	0.6	3.204
FEH: 2 years: +0 %: 360 mins: Summer	0.01	0.6	3.636
FEH: 2 years: +0 %: 360 mins: Winter	0.01	0.4	3.642

FEH: 2 years: +0 %: 480 mins: Summer	0.01	0.5	3.978
FEH: 2 years: +0 %: 480 mins: Winter	0.01	0.3	3.972
FEH: 2 years: +0 %: 600 mins: Summer	0.01	0.5	4.248
FEH: 2 years: +0 %: 600 mins: Winter	0.01	0.3	4.230
FEH: 2 years: +0 %: 720 mins: Summer	0.01	0.4	4.500
FEH: 2 years: +0 %: 720 mins: Winter	0.01	0.3	4.518
FEH: 2 years: +0 %: 960 mins: Summer	0.01	0.3	4.890
FEH: 2 years: +0 %: 960 mins: Winter	0.01	0.2	4.926

FEH: 2 years: +0 %: 1440 mins: Summer	0.01	0.3	5.508
FEH: 2 years: +0 %: 1440 mins: Winter	0.01	0.2	5.562
FEH: 2 years: +0 %: 2160 mins: Summer	0.01	0.2	6.336
FEH: 2 years: +0 %: 2160 mins: Winter	0.01	0.1	6.234
FEH: 2 years: +0 %: 2880 mins: Summer	0.01	0.2	6.846
FEH: 2 years: +0 %: 2880 mins: Winter	0.01	0.1	7.008
FEH: 2 years: +0 %: 4320 mins: Summer	0.01	0.1	7.788
FEH: 2 years: +0 %: 4320 mins: Winter	0.01	0.1	7.686

FEH: 2 years: +0 %: 5760 mins: Summer	0.01	0.1	8.718
FEH: 2 years: +0 %: 5760 mins: Winter	0.01	0.1	8.694
FEH: 2 years: +0 %: 7200 mins: Summer	0.01	0.1	9.846
FEH: 2 years: +0 %: 7200 mins: Winter	0.01	0.1	9.594
FEH: 2 years: +0 %: 8640 mins: Summer	0.01	0.1	10.890
FEH: 2 years: +0 %: 8640 mins: Winter	0.01	0.0	10.674
FEH: 2 years: +0 %: 10080 mins: Summer	0.01	0.1	11.970
FEH: 2 years: +0 %: 10080 mins: Winter	0.01	0.0	11.604

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Unit 05 Dock: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 2 years: +0 %: 15 mins: Summer	0.01	2.8	1.212
FEH: 2 years: +0 %: 15 mins: Winter	0.01	2.6	1.212
FEH: 2 years: +0 %: 30 mins: Summer	0.01	1.8	1.548
FEH: 2 years: +0 %: 30 mins: Winter	0.01	1.7	1.554
FEH: 2 years: +0 %: 60 mins: Summer	0.01	1.5	1.926
FEH: 2 years: +0 %: 60 mins: Winter	0.01	1.2	1.932

FEH: 2 years: +0 %: 120 mins: Summer	0.01	1.2	2.484
FEH: 2 years: +0 %: 120 mins: Winter	0.01	0.9	2.484
FEH: 2 years: +0 %: 180 mins: Summer	0.01	1.0	2.868
FEH: 2 years: +0 %: 180 mins: Winter	0.01	0.7	2.862
FEH: 2 years: +0 %: 240 mins: Summer	0.01	0.8	3.144
FEH: 2 years: +0 %: 240 mins: Winter	0.01	0.6	3.138
FEH: 2 years: +0 %: 360 mins: Summer	0.01	0.6	3.564
FEH: 2 years: +0 %: 360 mins: Winter	0.01	0.4	3.564

FEH: 2 years: +0 %: 480 mins: Summer	0.01	0.5	3.900
FEH: 2 years: +0 %: 480 mins: Winter	0.01	0.3	3.882
FEH: 2 years: +0 %: 600 mins: Summer	0.01	0.4	4.164
FEH: 2 years: +0 %: 600 mins: Winter	0.01	0.3	4.164
FEH: 2 years: +0 %: 720 mins: Summer	0.01	0.4	4.398
FEH: 2 years: +0 %: 720 mins: Winter	0.01	0.3	4.440
FEH: 2 years: +0 %: 960 mins: Summer	0.01	0.3	4.812
FEH: 2 years: +0 %: 960 mins: Winter	0.01	0.2	4.818

FEH: 2 years: +0 %: 1440 mins: Summer	0.01	0.3	5.424
FEH: 2 years: +0 %: 1440 mins: Winter	0.01	0.2	5.472
FEH: 2 years: +0 %: 2160 mins: Summer	0.01	0.2	6.252
FEH: 2 years: +0 %: 2160 mins: Winter	0.01	0.1	6.156
FEH: 2 years: +0 %: 2880 mins: Summer	0.01	0.2	6.690
FEH: 2 years: +0 %: 2880 mins: Winter	0.01	0.1	6.882
FEH: 2 years: +0 %: 4320 mins: Summer	0.01	0.1	7.722
FEH: 2 years: +0 %: 4320 mins: Winter	0.01	0.1	7.524

FEH: 2 years: +0 %: 5760 mins: Summer	0.01	0.1	8.646
FEH: 2 years: +0 %: 5760 mins: Winter	0.01	0.1	8.502
FEH: 2 years: +0 %: 7200 mins: Summer	0.01	0.1	9.672
FEH: 2 years: +0 %: 7200 mins: Winter	0.01	0.1	9.414
FEH: 2 years: +0 %: 8640 mins: Summer	0.01	0.1	10.584
FEH: 2 years: +0 %: 8640 mins: Winter	0.01	0.0	10.470
FEH: 2 years: +0 %: 10080 mins: Summer	0.01	0.1	11.622
FEH: 2 years: +0 %: 10080 mins: Winter	0.01	0.0	11.250

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Side Footpath Unit 05: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 2 years: +0 %: 15 mins: Summer	0.01	1.6	0.699
FEH: 2 years: +0 %: 15 mins: Winter	0.01	1.5	0.699
FEH: 2 years: +0 %: 30 mins: Summer	0.01	1.0	0.894
FEH: 2 years: +0 %: 30 mins: Winter	0.01	1.0	0.894
FEH: 2 years: +0 %: 60 mins: Summer	0.01	0.9	1.116
FEH: 2 years: +0 %: 60 mins: Winter	0.01	0.7	1.110

FEH: 2 years: +0 %: 120 mins: Summer	0.01	0.7	1.434
FEH: 2 years: +0 %: 120 mins: Winter	0.01	0.5	1.434
FEH: 2 years: +0 %: 180 mins: Summer	0.01	0.6	1.644
FEH: 2 years: +0 %: 180 mins: Winter	0.01	0.4	1.656
FEH: 2 years: +0 %: 240 mins: Summer	0.01	0.5	1.806
FEH: 2 years: +0 %: 240 mins: Winter	0.01	0.3	1.806
FEH: 2 years: +0 %: 360 mins: Summer	0.01	0.4	2.040
FEH: 2 years: +0 %: 360 mins: Winter	0.01	0.2	2.058

FEH: 2 years: +0 %: 480 mins: Summer	0.01	0.3	2.244
FEH: 2 years: +0 %: 480 mins: Winter	0.01	0.2	2.232
FEH: 2 years: +0 %: 600 mins: Summer	0.01	0.3	2.388
FEH: 2 years: +0 %: 600 mins: Winter	0.01	0.2	2.418
FEH: 2 years: +0 %: 720 mins: Summer	0.01	0.2	2.520
FEH: 2 years: +0 %: 720 mins: Winter	0.01	0.2	2.580
FEH: 2 years: +0 %: 960 mins: Summer	0.01	0.2	2.790
FEH: 2 years: +0 %: 960 mins: Winter	0.01	0.1	2.760

FEH: 2 years: +0 %: 1440 mins: Summer	0.01	0.1	3.090
FEH: 2 years: +0 %: 1440 mins: Winter	0.01	0.1	3.192
FEH: 2 years: +0 %: 2160 mins: Summer	0.01	0.1	3.522
FEH: 2 years: +0 %: 2160 mins: Winter	0.01	0.1	3.498
FEH: 2 years: +0 %: 2880 mins: Summer	0.01	0.1	3.942
FEH: 2 years: +0 %: 2880 mins: Winter	0.01	0.1	3.900
FEH: 2 years: +0 %: 4320 mins: Summer	0.01	0.1	4.872
FEH: 2 years: +0 %: 4320 mins: Winter	0.01	0.0	4.614

FEH: 2 years: +0 %: 5760 mins: Summer	0.01	0.1	5.388
FEH: 2 years: +0 %: 5760 mins: Winter	0.01	0.0	5.322
FEH: 2 years: +0 %: 7200 mins: Summer	0.01	0.0	5.436
FEH: 2 years: +0 %: 7200 mins: Winter	0.01	0.0	5.880
FEH: 2 years: +0 %: 8640 mins: Summer	0.01	0.0	5.592
FEH: 2 years: +0 %: 8640 mins: Winter	0.01	0.0	6.324
FEH: 2 years: +0 %: 10080 mins: Summer	0.01	0.0	5.808
FEH: 2 years: +0 %: 10080 mins: Winter	0.01	0.0	5.688

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Unit 5 Rooft to S13-5: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 2 years: +0 %: 15 mins: Summer	0.09	18.0	7.809
FEH: 2 years: +0 %: 15 mins: Winter	0.09	16.9	7.812
FEH: 2 years: +0 %: 30 mins: Summer	0.09	11.6	10.014
FEH: 2 years: +0 %: 30 mins: Winter	0.09	10.9	10.014
FEH: 2 years: +0 %: 60 mins: Summer	0.09	9.9	12.420
FEH: 2 years: +0 %: 60 mins: Winter	0.09	8.0	12.432

FEH: 2 years: +0 %: 120 mins: Summer	0.09	7.6	16.044
FEH: 2 years: +0 %: 120 mins: Winter	0.09	5.5	16.050
FEH: 2 years: +0 %: 180 mins: Summer	0.09	6.2	18.420
FEH: 2 years: +0 %: 180 mins: Winter	0.09	4.3	18.432
FEH: 2 years: +0 %: 240 mins: Summer	0.09	5.2	20.244
FEH: 2 years: +0 %: 240 mins: Winter	0.09	3.5	20.226
FEH: 2 years: +0 %: 360 mins: Summer	0.09	4.1	22.980
FEH: 2 years: +0 %: 360 mins: Winter	0.09	2.7	22.944

FEH: 2 years: +0 %: 480 mins: Summer	0.09	3.4	25.116
FEH: 2 years: +0 %: 480 mins: Winter	0.09	2.2	25.116
FEH: 2 years: +0 %: 600 mins: Summer	0.09	2.9	26.898
FEH: 2 years: +0 %: 600 mins: Winter	0.09	1.9	26.850
FEH: 2 years: +0 %: 720 mins: Summer	0.09	2.6	28.398
FEH: 2 years: +0 %: 720 mins: Winter	0.09	1.7	28.416
FEH: 2 years: +0 %: 960 mins: Summer	0.09	2.1	30.954
FEH: 2 years: +0 %: 960 mins: Winter	0.09	1.4	30.966

FEH: 2 years: +0 %: 1440 mins: Summer	0.09	1.6	35.058
FEH: 2 years: +0 %: 1440 mins: Winter	0.09	1.0	35.028
FEH: 2 years: +0 %: 2160 mins: Summer	0.09	1.2	39.792
FEH: 2 years: +0 %: 2160 mins: Winter	0.09	0.8	39.768
FEH: 2 years: +0 %: 2880 mins: Summer	0.09	1.0	43.566
FEH: 2 years: +0 %: 2880 mins: Winter	0.09	0.6	43.482
FEH: 2 years: +0 %: 4320 mins: Summer	0.09	0.8	49.992
FEH: 2 years: +0 %: 4320 mins: Winter	0.09	0.5	50.214

FEH: 2 years: +0 %: 5760 mins: Summer	0.09	0.6	55.710
FEH: 2 years: +0 %: 5760 mins: Winter	0.09	0.4	55.434
FEH: 2 years: +0 %: 7200 mins: Summer	0.09	0.6	60.996
FEH: 2 years: +0 %: 7200 mins: Winter	0.09	0.4	60.972
FEH: 2 years: +0 %: 8640 mins: Summer	0.09	0.5	66.030
FEH: 2 years: +0 %: 8640 mins: Winter	0.09	0.3	66.048
FEH: 2 years: +0 %: 10080 mins: Summer	0.09	0.5	70.650
FEH: 2 years: +0 %: 10080 mins: Winter	0.09	0.3	70.518

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Unit 5 Roof To S07-5: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 2 years: +0 %: 15 mins: Summer	0.09	18.1	7.851
FEH: 2 years: +0 %: 15 mins: Winter	0.09	17.0	7.854
FEH: 2 years: +0 %: 30 mins: Summer	0.09	11.6	10.074
FEH: 2 years: +0 %: 30 mins: Winter	0.09	10.9	10.068
FEH: 2 years: +0 %: 60 mins: Summer	0.09	10.0	12.492
FEH: 2 years: +0 %: 60 mins: Winter	0.09	8.0	12.504

FEH: 2 years: +0 %: 120 mins: Summer	0.09	7.7	16.140
FEH: 2 years: +0 %: 120 mins: Winter	0.09	5.5	16.134
FEH: 2 years: +0 %: 180 mins: Summer	0.09	6.2	18.516
FEH: 2 years: +0 %: 180 mins: Winter	0.09	4.3	18.516
FEH: 2 years: +0 %: 240 mins: Summer	0.09	5.3	20.328
FEH: 2 years: +0 %: 240 mins: Winter	0.09	3.5	20.340
FEH: 2 years: +0 %: 360 mins: Summer	0.09	4.1	23.088
FEH: 2 years: +0 %: 360 mins: Winter	0.09	2.7	23.124

FEH: 2 years: +0 %: 480 mins: Summer	0.09	3.4	25.272
FEH: 2 years: +0 %: 480 mins: Winter	0.09	2.2	25.254
FEH: 2 years: +0 %: 600 mins: Summer	0.09	2.9	27.030
FEH: 2 years: +0 %: 600 mins: Winter	0.09	1.9	27.012
FEH: 2 years: +0 %: 720 mins: Summer	0.09	2.6	28.554
FEH: 2 years: +0 %: 720 mins: Winter	0.09	1.7	28.536
FEH: 2 years: +0 %: 960 mins: Summer	0.09	2.1	31.134
FEH: 2 years: +0 %: 960 mins: Winter	0.09	1.4	31.164

FEH: 2 years: +0 %: 1440 mins: Summer	0.09	1.6	35.244
FEH: 2 years: +0 %: 1440 mins: Winter	0.09	1.0	35.214
FEH: 2 years: +0 %: 2160 mins: Summer	0.09	1.2	39.918
FEH: 2 years: +0 %: 2160 mins: Winter	0.09	0.8	40.032
FEH: 2 years: +0 %: 2880 mins: Summer	0.09	1.0	43.734
FEH: 2 years: +0 %: 2880 mins: Winter	0.09	0.6	43.728
FEH: 2 years: +0 %: 4320 mins: Summer	0.09	0.8	50.298
FEH: 2 years: +0 %: 4320 mins: Winter	0.09	0.5	50.532

FEH: 2 years: +0 %: 5760 mins: Summer	0.09	0.6	56.124
FEH: 2 years: +0 %: 5760 mins: Winter	0.09	0.4	55.776
FEH: 2 years: +0 %: 7200 mins: Summer	0.09	0.6	61.512
FEH: 2 years: +0 %: 7200 mins: Winter	0.09	0.4	61.404
FEH: 2 years: +0 %: 8640 mins: Summer	0.09	0.5	66.336
FEH: 2 years: +0 %: 8640 mins: Winter	0.09	0.3	66.570
FEH: 2 years: +0 %: 10080 mins: Summer	0.09	0.5	70.890
FEH: 2 years: +0 %: 10080 mins: Winter	0.09	0.3	70.668

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Unit 5 Roof to S06-5: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 2 years: +0 %: 15 mins: Summer	0.09	18.1	7.851
FEH: 2 years: +0 %: 15 mins: Winter	0.09	17.0	7.854
FEH: 2 years: +0 %: 30 mins: Summer	0.09	11.6	10.074
FEH: 2 years: +0 %: 30 mins: Winter	0.09	10.9	10.068
FEH: 2 years: +0 %: 60 mins: Summer	0.09	10.0	12.498
FEH: 2 years: +0 %: 60 mins: Winter	0.09	8.0	12.504

FEH: 2 years: +0 %: 120 mins: Summer	0.09	7.7	16.140
FEH: 2 years: +0 %: 120 mins: Winter	0.09	5.5	16.134
FEH: 2 years: +0 %: 180 mins: Summer	0.09	6.2	18.516
FEH: 2 years: +0 %: 180 mins: Winter	0.09	4.3	18.516
FEH: 2 years: +0 %: 240 mins: Summer	0.09	5.3	20.328
FEH: 2 years: +0 %: 240 mins: Winter	0.09	3.5	20.346
FEH: 2 years: +0 %: 360 mins: Summer	0.09	4.1	23.088
FEH: 2 years: +0 %: 360 mins: Winter	0.09	2.7	23.130

FEH: 2 years: +0 %: 480 mins: Summer	0.09	3.4	25.272
FEH: 2 years: +0 %: 480 mins: Winter	0.09	2.2	25.254
FEH: 2 years: +0 %: 600 mins: Summer	0.09	2.9	27.036
FEH: 2 years: +0 %: 600 mins: Winter	0.09	1.9	27.012
FEH: 2 years: +0 %: 720 mins: Summer	0.09	2.6	28.554
FEH: 2 years: +0 %: 720 mins: Winter	0.09	1.7	28.536
FEH: 2 years: +0 %: 960 mins: Summer	0.09	2.1	31.140
FEH: 2 years: +0 %: 960 mins: Winter	0.09	1.4	31.170

FEH: 2 years: +0 %: 1440 mins: Summer	0.09	1.6	35.250
FEH: 2 years: +0 %: 1440 mins: Winter	0.09	1.0	35.214
FEH: 2 years: +0 %: 2160 mins: Summer	0.09	1.2	39.924
FEH: 2 years: +0 %: 2160 mins: Winter	0.09	0.8	40.038
FEH: 2 years: +0 %: 2880 mins: Summer	0.09	1.0	43.734
FEH: 2 years: +0 %: 2880 mins: Winter	0.09	0.6	43.728
FEH: 2 years: +0 %: 4320 mins: Summer	0.09	0.8	50.298
FEH: 2 years: +0 %: 4320 mins: Winter	0.09	0.5	50.532

FEH: 2 years: +0 %: 5760 mins: Summer	0.09	0.6	56.124
FEH: 2 years: +0 %: 5760 mins: Winter	0.09	0.4	55.776
FEH: 2 years: +0 %: 7200 mins: Summer	0.09	0.6	61.596
FEH: 2 years: +0 %: 7200 mins: Winter	0.09	0.4	61.404
FEH: 2 years: +0 %: 8640 mins: Summer	0.09	0.5	66.336
FEH: 2 years: +0 %: 8640 mins: Winter	0.09	0.3	66.570
FEH: 2 years: +0 %: 10080 mins: Summer	0.09	0.5	70.890
FEH: 2 years: +0 %: 10080 mins: Winter	0.09	0.3	70.668

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Unit 5 Roof to S12: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 30 years: +0 %: 15 mins: Summer	0.09	36.2	15.708
FEH: 30 years: +0 %: 15 mins: Winter	0.09	33.9	15.705
FEH: 30 years: +0 %: 30 mins: Summer	0.09	23.7	20.496
FEH: 30 years: +0 %: 30 mins: Winter	0.09	22.2	20.496
FEH: 30 years: +0 %: 60 mins: Summer	0.09	20.5	25.644
FEH: 30 years: +0 %: 60 mins: Winter	0.09	16.5	25.650

FEH: 30 years: +0 %: 120 mins: Summer	0.09	14.3	30.114
FEH: 30 years: +0 %: 120 mins: Winter	0.09	10.3	30.108
FEH: 30 years: +0 %: 180 mins: Summer	0.09	11.1	33.132
FEH: 30 years: +0 %: 180 mins: Winter	0.09	7.7	33.120
FEH: 30 years: +0 %: 240 mins: Summer	0.09	9.2	35.454
FEH: 30 years: +0 %: 240 mins: Winter	0.09	6.2	35.448
FEH: 30 years: +0 %: 360 mins: Summer	0.09	6.9	38.994
FEH: 30 years: +0 %: 360 mins: Winter	0.09	4.6	38.994

FEH: 30 years: +0 %: 480 mins: Summer	0.09	5.7	41.790
FEH: 30 years: +0 %: 480 mins: Winter	0.09	3.7	41.820
FEH: 30 years: +0 %: 600 mins: Summer	0.09	4.8	44.118
FEH: 30 years: +0 %: 600 mins: Winter	0.09	3.1	44.154
FEH: 30 years: +0 %: 720 mins: Summer	0.09	4.2	46.176
FEH: 30 years: +0 %: 720 mins: Winter	0.09	2.7	46.188
FEH: 30 years: +0 %: 960 mins: Summer	0.09	3.4	49.668
FEH: 30 years: +0 %: 960 mins: Winter	0.09	2.2	49.626

FEH: 30 years: +0 %: 1440 mins: Summer	0.09	2.5	55.188
FEH: 30 years: +0 %: 1440 mins: Winter	0.09	1.6	55.080
FEH: 30 years: +0 %: 2160 mins: Summer	0.09	1.9	61.536
FEH: 30 years: +0 %: 2160 mins: Winter	0.09	1.2	61.434
FEH: 30 years: +0 %: 2880 mins: Summer	0.09	1.5	66.672
FEH: 30 years: +0 %: 2880 mins: Winter	0.09	1.0	66.552
FEH: 30 years: +0 %: 4320 mins: Summer	0.09	1.1	75.216
FEH: 30 years: +0 %: 4320 mins: Winter	0.09	0.7	75.204

FEH: 30 years: +0 %: 5760 mins: Summer	0.09	0.9	82.542
FEH: 30 years: +0 %: 5760 mins: Winter	0.09	0.6	82.674
FEH: 30 years: +0 %: 7200 mins: Summer	0.09	0.8	89.250
FEH: 30 years: +0 %: 7200 mins: Winter	0.09	0.5	89.412
FEH: 30 years: +0 %: 8640 mins: Summer	0.09	0.7	95.202
FEH: 30 years: +0 %: 8640 mins: Winter	0.09	0.5	95.496
FEH: 30 years: +0 %: 10080 mins: Summer	0.09	0.7	101.736
FEH: 30 years: +0 %: 10080 mins: Winter	0.09	0.4	101.724

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Unit 05 Loading Area: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 30 years: +0 %: 15 mins: Summer	0.28	109.7	47.642
FEH: 30 years: +0 %: 15 mins: Winter	0.28	103.0	47.642
FEH: 30 years: +0 %: 30 mins: Summer	0.28	71.8	62.165
FEH: 30 years: +0 %: 30 mins: Winter	0.28	67.3	62.171
FEH: 30 years: +0 %: 60 mins: Summer	0.28	62.3	77.808
FEH: 30 years: +0 %: 60 mins: Winter	0.28	50.1	77.808

FEH: 30 years: +0 %: 120 mins: Summer	0.28	43.4	91.362
FEH: 30 years: +0 %: 120 mins: Winter	0.28	31.2	91.356
FEH: 30 years: +0 %: 180 mins: Summer	0.28	33.7	100.482
FEH: 30 years: +0 %: 180 mins: Winter	0.28	23.2	100.488
FEH: 30 years: +0 %: 240 mins: Summer	0.28	27.9	107.550
FEH: 30 years: +0 %: 240 mins: Winter	0.28	18.7	107.544
FEH: 30 years: +0 %: 360 mins: Summer	0.28	21.0	118.326
FEH: 30 years: +0 %: 360 mins: Winter	0.28	13.8	118.344

FEH: 30 years: +0 %: 480 mins: Summer	0.28	17.2	126.822
FEH: 30 years: +0 %: 480 mins: Winter	0.28	11.1	126.804
FEH: 30 years: +0 %: 600 mins: Summer	0.28	14.6	133.908
FEH: 30 years: +0 %: 600 mins: Winter	0.28	9.4	133.914
FEH: 30 years: +0 %: 720 mins: Summer	0.28	12.7	140.112
FEH: 30 years: +0 %: 720 mins: Winter	0.28	8.2	140.100
FEH: 30 years: +0 %: 960 mins: Summer	0.28	10.3	150.636
FEH: 30 years: +0 %: 960 mins: Winter	0.28	6.6	150.582

FEH: 30 years: +0 %: 1440 mins: Summer	0.28	7.6	167.346
FEH: 30 years: +0 %: 1440 mins: Winter	0.28	4.9	167.388
FEH: 30 years: +0 %: 2160 mins: Summer	0.28	5.6	186.576
FEH: 30 years: +0 %: 2160 mins: Winter	0.28	3.6	186.504
FEH: 30 years: +0 %: 2880 mins: Summer	0.28	4.6	202.224
FEH: 30 years: +0 %: 2880 mins: Winter	0.28	3.0	202.158
FEH: 30 years: +0 %: 4320 mins: Summer	0.28	3.5	228.168
FEH: 30 years: +0 %: 4320 mins: Winter	0.28	2.2	228.102

FEH: 30 years: +0 %: 5760 mins: Summer	0.28	2.8	250.302
FEH: 30 years: +0 %: 5760 mins: Winter	0.28	1.8	250.146
FEH: 30 years: +0 %: 7200 mins: Summer	0.28	2.5	270.852
FEH: 30 years: +0 %: 7200 mins: Winter	0.28	1.6	270.840
FEH: 30 years: +0 %: 8640 mins: Summer	0.28	2.2	289.692
FEH: 30 years: +0 %: 8640 mins: Winter	0.28	1.4	289.788
FEH: 30 years: +0 %: 10080 mins: Summer	0.28	2.0	308.214
FEH: 30 years: +0 %: 10080 mins: Winter	0.28	1.3	308.922

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Access Road Unit 05: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 30 years: +0 %: 15 mins: Summer	0.03	11.5	5.010
FEH: 30 years: +0 %: 15 mins: Winter	0.03	10.8	5.007
FEH: 30 years: +0 %: 30 mins: Summer	0.03	7.5	6.534
FEH: 30 years: +0 %: 30 mins: Winter	0.03	7.1	6.534
FEH: 30 years: +0 %: 60 mins: Summer	0.03	6.6	8.184
FEH: 30 years: +0 %: 60 mins: Winter	0.03	5.3	8.184

FEH: 30 years: +0 %: 120 mins: Summer	0.03	4.6	9.606
FEH: 30 years: +0 %: 120 mins: Winter	0.03	3.3	9.606
FEH: 30 years: +0 %: 180 mins: Summer	0.03	3.5	10.572
FEH: 30 years: +0 %: 180 mins: Winter	0.03	2.4	10.578
FEH: 30 years: +0 %: 240 mins: Summer	0.03	2.9	11.310
FEH: 30 years: +0 %: 240 mins: Winter	0.03	2.0	11.298
FEH: 30 years: +0 %: 360 mins: Summer	0.03	2.2	12.450
FEH: 30 years: +0 %: 360 mins: Winter	0.03	1.4	12.450

FEH: 30 years: +0 %: 480 mins: Summer	0.03	1.8	13.332
FEH: 30 years: +0 %: 480 mins: Winter	0.03	1.2	13.338
FEH: 30 years: +0 %: 600 mins: Summer	0.03	1.5	14.064
FEH: 30 years: +0 %: 600 mins: Winter	0.03	1.0	14.040
FEH: 30 years: +0 %: 720 mins: Summer	0.03	1.3	14.736
FEH: 30 years: +0 %: 720 mins: Winter	0.03	0.9	14.718
FEH: 30 years: +0 %: 960 mins: Summer	0.03	1.1	15.816
FEH: 30 years: +0 %: 960 mins: Winter	0.03	0.7	15.828

FEH: 30 years: +0 %: 1440 mins: Summer	0.03	0.8	17.646
FEH: 30 years: +0 %: 1440 mins: Winter	0.03	0.5	17.568
FEH: 30 years: +0 %: 2160 mins: Summer	0.03	0.6	19.632
FEH: 30 years: +0 %: 2160 mins: Winter	0.03	0.4	19.614
FEH: 30 years: +0 %: 2880 mins: Summer	0.03	0.5	21.270
FEH: 30 years: +0 %: 2880 mins: Winter	0.03	0.3	21.186
FEH: 30 years: +0 %: 4320 mins: Summer	0.03	0.4	23.868
FEH: 30 years: +0 %: 4320 mins: Winter	0.03	0.2	23.952

FEH: 30 years: +0 %: 5760 mins: Summer	0.03	0.3	26.418
FEH: 30 years: +0 %: 5760 mins: Winter	0.03	0.2	26.118
FEH: 30 years: +0 %: 7200 mins: Summer	0.03	0.3	28.416
FEH: 30 years: +0 %: 7200 mins: Winter	0.03	0.2	28.524
FEH: 30 years: +0 %: 8640 mins: Summer	0.03	0.2	30.276
FEH: 30 years: +0 %: 8640 mins: Winter	0.03	0.2	30.996
FEH: 30 years: +0 %: 10080 mins: Summer	0.03	0.2	32.412
FEH: 30 years: +0 %: 10080 mins: Winter	0.03	0.1	31.938

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Car-Park Unit 05: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 30 years: +0 %: 15 mins: Summer	0.12	46.9	20.358
FEH: 30 years: +0 %: 15 mins: Winter	0.12	44.0	20.361
FEH: 30 years: +0 %: 30 mins: Summer	0.12	30.7	26.568
FEH: 30 years: +0 %: 30 mins: Winter	0.12	28.8	26.562
FEH: 30 years: +0 %: 60 mins: Summer	0.12	26.6	33.246
FEH: 30 years: +0 %: 60 mins: Winter	0.12	21.4	33.252

FEH: 30 years: +0 %: 120 mins: Summer	0.12	18.5	39.042
FEH: 30 years: +0 %: 120 mins: Winter	0.12	13.3	39.030
FEH: 30 years: +0 %: 180 mins: Summer	0.12	14.4	42.942
FEH: 30 years: +0 %: 180 mins: Winter	0.12	9.9	42.936
FEH: 30 years: +0 %: 240 mins: Summer	0.12	11.9	45.948
FEH: 30 years: +0 %: 240 mins: Winter	0.12	8.0	45.948
FEH: 30 years: +0 %: 360 mins: Summer	0.12	8.9	50.574
FEH: 30 years: +0 %: 360 mins: Winter	0.12	5.9	50.586

FEH: 30 years: +0 %: 480 mins: Summer	0.12	7.3	54.180
FEH: 30 years: +0 %: 480 mins: Winter	0.12	4.8	54.198
FEH: 30 years: +0 %: 600 mins: Summer	0.12	6.2	57.228
FEH: 30 years: +0 %: 600 mins: Winter	0.12	4.0	57.246
FEH: 30 years: +0 %: 720 mins: Summer	0.12	5.4	59.886
FEH: 30 years: +0 %: 720 mins: Winter	0.12	3.5	59.892
FEH: 30 years: +0 %: 960 mins: Summer	0.12	4.4	64.356
FEH: 30 years: +0 %: 960 mins: Winter	0.12	2.8	64.374

FEH: 30 years: +0 %: 1440 mins: Summer	0.12	3.2	71.544
FEH: 30 years: +0 %: 1440 mins: Winter	0.12	2.1	71.514
FEH: 30 years: +0 %: 2160 mins: Summer	0.12	2.4	79.788
FEH: 30 years: +0 %: 2160 mins: Winter	0.12	1.6	79.620
FEH: 30 years: +0 %: 2880 mins: Summer	0.12	2.0	86.619
FEH: 30 years: +0 %: 2880 mins: Winter	0.12	1.3	86.334
FEH: 30 years: +0 %: 4320 mins: Summer	0.12	1.5	97.410
FEH: 30 years: +0 %: 4320 mins: Winter	0.12	0.9	97.524

FEH: 30 years: +0 %: 5760 mins: Summer	0.12	1.2	106.986
FEH: 30 years: +0 %: 5760 mins: Winter	0.12	0.8	107.064
FEH: 30 years: +0 %: 7200 mins: Summer	0.12	1.0	115.620
FEH: 30 years: +0 %: 7200 mins: Winter	0.12	0.7	115.932
FEH: 30 years: +0 %: 8640 mins: Summer	0.12	0.9	123.912
FEH: 30 years: +0 %: 8640 mins: Winter	0.12	0.6	124.080
FEH: 30 years: +0 %: 10080 mins: Summer	0.12	0.9	131.604
FEH: 30 years: +0 %: 10080 mins: Winter	0.12	0.6	131.952

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Unit 05 Rear Foot path: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 30 years: +0 %: 15 mins: Summer	0.01	5.7	2.472
FEH: 30 years: +0 %: 15 mins: Winter	0.01	5.3	2.469
FEH: 30 years: +0 %: 30 mins: Summer	0.01	3.7	3.222
FEH: 30 years: +0 %: 30 mins: Winter	0.01	3.5	3.222
FEH: 30 years: +0 %: 60 mins: Summer	0.01	3.2	4.032
FEH: 30 years: +0 %: 60 mins: Winter	0.01	2.6	4.038

FEH: 30 years: +0 %: 120 mins: Summer	0.01	2.3	4.734
FEH: 30 years: +0 %: 120 mins: Winter	0.01	1.6	4.740
FEH: 30 years: +0 %: 180 mins: Summer	0.01	1.8	5.214
FEH: 30 years: +0 %: 180 mins: Winter	0.01	1.2	5.214
FEH: 30 years: +0 %: 240 mins: Summer	0.01	1.4	5.592
FEH: 30 years: +0 %: 240 mins: Winter	0.01	1.0	5.580
FEH: 30 years: +0 %: 360 mins: Summer	0.01	1.1	6.156
FEH: 30 years: +0 %: 360 mins: Winter	0.01	0.7	6.168

FEH: 30 years: +0 %: 480 mins: Summer	0.01	0.9	6.588
FEH: 30 years: +0 %: 480 mins: Winter	0.01	0.6	6.576
FEH: 30 years: +0 %: 600 mins: Summer	0.01	0.8	6.960
FEH: 30 years: +0 %: 600 mins: Winter	0.01	0.5	6.966
FEH: 30 years: +0 %: 720 mins: Summer	0.01	0.7	7.266
FEH: 30 years: +0 %: 720 mins: Winter	0.01	0.4	7.242
FEH: 30 years: +0 %: 960 mins: Summer	0.01	0.5	7.812
FEH: 30 years: +0 %: 960 mins: Winter	0.01	0.3	7.794

FEH: 30 years: +0 %: 1440 mins: Summer	0.01	0.4	8.676
FEH: 30 years: +0 %: 1440 mins: Winter	0.01	0.3	8.640
FEH: 30 years: +0 %: 2160 mins: Summer	0.01	0.3	9.684
FEH: 30 years: +0 %: 2160 mins: Winter	0.01	0.2	9.636
FEH: 30 years: +0 %: 2880 mins: Summer	0.01	0.2	10.446
FEH: 30 years: +0 %: 2880 mins: Winter	0.01	0.2	10.572
FEH: 30 years: +0 %: 4320 mins: Summer	0.01	0.2	12.060
FEH: 30 years: +0 %: 4320 mins: Winter	0.01	0.1	11.766

FEH: 30 years: +0 %: 5760 mins: Summer	0.01	0.2	12.786
FEH: 30 years: +0 %: 5760 mins: Winter	0.01	0.1	13.134
FEH: 30 years: +0 %: 7200 mins: Summer	0.01	0.1	13.902
FEH: 30 years: +0 %: 7200 mins: Winter	0.01	0.1	13.656
FEH: 30 years: +0 %: 8640 mins: Summer	0.01	0.1	14.832
FEH: 30 years: +0 %: 8640 mins: Winter	0.01	0.1	14.616
FEH: 30 years: +0 %: 10080 mins: Summer	0.01	0.1	15.738
FEH: 30 years: +0 %: 10080 mins: Winter	0.01	0.1	15.612

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Unit 05 Dock: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 30 years: +0 %: 15 mins: Summer	0.01	5.6	2.421
FEH: 30 years: +0 %: 15 mins: Winter	0.01	5.2	2.421
FEH: 30 years: +0 %: 30 mins: Summer	0.01	3.7	3.162
FEH: 30 years: +0 %: 30 mins: Winter	0.01	3.4	3.156
FEH: 30 years: +0 %: 60 mins: Summer	0.01	3.2	3.948
FEH: 30 years: +0 %: 60 mins: Winter	0.01	2.5	3.954

FEH: 30 years: +0 %: 120 mins: Summer	0.01	2.2	4.644
FEH: 30 years: +0 %: 120 mins: Winter	0.01	1.6	4.644
FEH: 30 years: +0 %: 180 mins: Summer	0.01	1.7	5.100
FEH: 30 years: +0 %: 180 mins: Winter	0.01	1.2	5.112
FEH: 30 years: +0 %: 240 mins: Summer	0.01	1.4	5.466
FEH: 30 years: +0 %: 240 mins: Winter	0.01	0.9	5.466
FEH: 30 years: +0 %: 360 mins: Summer	0.01	1.1	6.012
FEH: 30 years: +0 %: 360 mins: Winter	0.01	0.7	6.012

FEH: 30 years: +0 %: 480 mins: Summer	0.01	0.9	6.438
FEH: 30 years: +0 %: 480 mins: Winter	0.01	0.6	6.468
FEH: 30 years: +0 %: 600 mins: Summer	0.01	0.7	6.798
FEH: 30 years: +0 %: 600 mins: Winter	0.01	0.5	6.792
FEH: 30 years: +0 %: 720 mins: Summer	0.01	0.6	7.122
FEH: 30 years: +0 %: 720 mins: Winter	0.01	0.4	7.086
FEH: 30 years: +0 %: 960 mins: Summer	0.01	0.5	7.662
FEH: 30 years: +0 %: 960 mins: Winter	0.01	0.3	7.668

FEH: 30 years: +0 %: 1440 mins: Summer	0.01	0.4	8.508
FEH: 30 years: +0 %: 1440 mins: Winter	0.01	0.3	8.460
FEH: 30 years: +0 %: 2160 mins: Summer	0.01	0.3	9.504
FEH: 30 years: +0 %: 2160 mins: Winter	0.01	0.2	9.384
FEH: 30 years: +0 %: 2880 mins: Summer	0.01	0.2	10.200
FEH: 30 years: +0 %: 2880 mins: Winter	0.01	0.2	10.398
FEH: 30 years: +0 %: 4320 mins: Summer	0.01	0.2	11.670
FEH: 30 years: +0 %: 4320 mins: Winter	0.01	0.1	11.604

FEH: 30 years: +0 %: 5760 mins: Summer	0.01	0.1	12.576
FEH: 30 years: +0 %: 5760 mins: Winter	0.01	0.1	12.984
FEH: 30 years: +0 %: 7200 mins: Summer	0.01	0.1	13.488
FEH: 30 years: +0 %: 7200 mins: Winter	0.01	0.1	13.476
FEH: 30 years: +0 %: 8640 mins: Summer	0.01	0.1	14.412
FEH: 30 years: +0 %: 8640 mins: Winter	0.01	0.1	14.406
FEH: 30 years: +0 %: 10080 mins: Summer	0.01	0.1	15.480
FEH: 30 years: +0 %: 10080 mins: Winter	0.01	0.1	15.354

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Side Footpath Unit 05: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 30 years: +0 %: 15 mins: Summer	0.01	3.2	1.392
FEH: 30 years: +0 %: 15 mins: Winter	0.01	3.0	1.392
FEH: 30 years: +0 %: 30 mins: Summer	0.01	2.1	1.818
FEH: 30 years: +0 %: 30 mins: Winter	0.01	2.0	1.818
FEH: 30 years: +0 %: 60 mins: Summer	0.01	1.8	2.280
FEH: 30 years: +0 %: 60 mins: Winter	0.01	1.5	2.274

FEH: 30 years: +0 %: 120 mins: Summer	0.01	1.3	2.670
FEH: 30 years: +0 %: 120 mins: Winter	0.01	0.9	2.664
FEH: 30 years: +0 %: 180 mins: Summer	0.01	1.0	2.940
FEH: 30 years: +0 %: 180 mins: Winter	0.01	0.7	2.946
FEH: 30 years: +0 %: 240 mins: Summer	0.01	0.8	3.156
FEH: 30 years: +0 %: 240 mins: Winter	0.01	0.6	3.150
FEH: 30 years: +0 %: 360 mins: Summer	0.01	0.6	3.468
FEH: 30 years: +0 %: 360 mins: Winter	0.01	0.4	3.462

FEH: 30 years: +0 %: 480 mins: Summer	0.01	0.5	3.720
FEH: 30 years: +0 %: 480 mins: Winter	0.01	0.3	3.744
FEH: 30 years: +0 %: 600 mins: Summer	0.01	0.4	3.942
FEH: 30 years: +0 %: 600 mins: Winter	0.01	0.3	3.930
FEH: 30 years: +0 %: 720 mins: Summer	0.01	0.4	4.104
FEH: 30 years: +0 %: 720 mins: Winter	0.01	0.2	4.086
FEH: 30 years: +0 %: 960 mins: Summer	0.01	0.3	4.410
FEH: 30 years: +0 %: 960 mins: Winter	0.01	0.2	4.374

FEH: 30 years: +0 %: 1440 mins: Summer	0.01	0.2	4.902
FEH: 30 years: +0 %: 1440 mins: Winter	0.01	0.1	4.950
FEH: 30 years: +0 %: 2160 mins: Summer	0.01	0.2	5.538
FEH: 30 years: +0 %: 2160 mins: Winter	0.01	0.1	5.514
FEH: 30 years: +0 %: 2880 mins: Summer	0.01	0.1	5.778
FEH: 30 years: +0 %: 2880 mins: Winter	0.01	0.1	6.048
FEH: 30 years: +0 %: 4320 mins: Summer	0.01	0.1	6.594
FEH: 30 years: +0 %: 4320 mins: Winter	0.01	0.1	6.570

FEH: 30 years: +0 %: 5760 mins: Summer	0.01	0.1	7.542
FEH: 30 years: +0 %: 5760 mins: Winter	0.01	0.0	7.326
FEH: 30 years: +0 %: 7200 mins: Summer	0.01	0.1	8.466
FEH: 30 years: +0 %: 7200 mins: Winter	0.01	0.0	8.046
FEH: 30 years: +0 %: 8640 mins: Summer	0.01	0.1	9.138
FEH: 30 years: +0 %: 8640 mins: Winter	0.01	0.0	8.922
FEH: 30 years: +0 %: 10080 mins: Summer	0.01	0.1	9.804
FEH: 30 years: +0 %: 10080 mins: Winter	0.01	0.0	9.672

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Unit 5 Rooft to S13-5: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 30 years: +0 %: 15 mins: Summer	0.09	35.9	15.612
FEH: 30 years: +0 %: 15 mins: Winter	0.09	33.7	15.615
FEH: 30 years: +0 %: 30 mins: Summer	0.09	23.5	20.376
FEH: 30 years: +0 %: 30 mins: Winter	0.09	22.1	20.370
FEH: 30 years: +0 %: 60 mins: Summer	0.09	20.4	25.494
FEH: 30 years: +0 %: 60 mins: Winter	0.09	16.4	25.494

FEH: 30 years: +0 %: 120 mins: Summer	0.09	14.2	29.946
FEH: 30 years: +0 %: 120 mins: Winter	0.09	10.2	29.934
FEH: 30 years: +0 %: 180 mins: Summer	0.09	11.0	32.928
FEH: 30 years: +0 %: 180 mins: Winter	0.09	7.6	32.922
FEH: 30 years: +0 %: 240 mins: Summer	0.09	9.1	35.250
FEH: 30 years: +0 %: 240 mins: Winter	0.09	6.1	35.244
FEH: 30 years: +0 %: 360 mins: Summer	0.09	6.9	38.796
FEH: 30 years: +0 %: 360 mins: Winter	0.09	4.5	38.784

FEH: 30 years: +0 %: 480 mins: Summer	0.09	5.6	41.568
FEH: 30 years: +0 %: 480 mins: Winter	0.09	3.7	41.538
FEH: 30 years: +0 %: 600 mins: Summer	0.09	4.8	43.878
FEH: 30 years: +0 %: 600 mins: Winter	0.09	3.1	43.854
FEH: 30 years: +0 %: 720 mins: Summer	0.09	4.2	45.918
FEH: 30 years: +0 %: 720 mins: Winter	0.09	2.7	45.909
FEH: 30 years: +0 %: 960 mins: Summer	0.09	3.4	49.332
FEH: 30 years: +0 %: 960 mins: Winter	0.09	2.2	49.356

FEH: 30 years: +0 %: 1440 mins: Summer	0.09	2.5	54.846
FEH: 30 years: +0 %: 1440 mins: Winter	0.09	1.6	54.780
FEH: 30 years: +0 %: 2160 mins: Summer	0.09	1.9	61.188
FEH: 30 years: +0 %: 2160 mins: Winter	0.09	1.2	61.230
FEH: 30 years: +0 %: 2880 mins: Summer	0.09	1.5	66.228
FEH: 30 years: +0 %: 2880 mins: Winter	0.09	1.0	66.348
FEH: 30 years: +0 %: 4320 mins: Summer	0.09	1.1	74.856
FEH: 30 years: +0 %: 4320 mins: Winter	0.09	0.7	74.790

FEH: 30 years: +0 %: 5760 mins: Summer	0.09	0.9	81.918
FEH: 30 years: +0 %: 5760 mins: Winter	0.09	0.6	82.188
FEH: 30 years: +0 %: 7200 mins: Summer	0.09	0.8	88.638
FEH: 30 years: +0 %: 7200 mins: Winter	0.09	0.5	88.566
FEH: 30 years: +0 %: 8640 mins: Summer	0.09	0.7	94.962
FEH: 30 years: +0 %: 8640 mins: Winter	0.09	0.5	94.884
FEH: 30 years: +0 %: 10080 mins: Summer	0.09	0.6	101.250
FEH: 30 years: +0 %: 10080 mins: Winter	0.09	0.4	100.980

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Unit 5 Roof To S07-5: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 30 years: +0 %: 15 mins: Summer	0.09	36.2	15.699
FEH: 30 years: +0 %: 15 mins: Winter	0.09	33.9	15.702
FEH: 30 years: +0 %: 30 mins: Summer	0.09	23.6	20.490
FEH: 30 years: +0 %: 30 mins: Winter	0.09	22.2	20.484
FEH: 30 years: +0 %: 60 mins: Summer	0.09	20.5	25.644
FEH: 30 years: +0 %: 60 mins: Winter	0.09	16.5	25.638

FEH: 30 years: +0 %: 120 mins: Summer	0.09	14.3	30.108
FEH: 30 years: +0 %: 120 mins: Winter	0.09	10.3	30.108
FEH: 30 years: +0 %: 180 mins: Summer	0.09	11.1	33.108
FEH: 30 years: +0 %: 180 mins: Winter	0.09	7.7	33.120
FEH: 30 years: +0 %: 240 mins: Summer	0.09	9.2	35.430
FEH: 30 years: +0 %: 240 mins: Winter	0.09	6.2	35.436
FEH: 30 years: +0 %: 360 mins: Summer	0.09	6.9	38.988
FEH: 30 years: +0 %: 360 mins: Winter	0.09	4.6	38.970

FEH: 30 years: +0 %: 480 mins: Summer	0.09	5.7	41.778
FEH: 30 years: +0 %: 480 mins: Winter	0.09	3.7	41.808
FEH: 30 years: +0 %: 600 mins: Summer	0.09	4.8	44.112
FEH: 30 years: +0 %: 600 mins: Winter	0.09	3.1	44.142
FEH: 30 years: +0 %: 720 mins: Summer	0.09	4.2	46.176
FEH: 30 years: +0 %: 720 mins: Winter	0.09	2.7	46.164
FEH: 30 years: +0 %: 960 mins: Summer	0.09	3.4	49.632
FEH: 30 years: +0 %: 960 mins: Winter	0.09	2.2	49.614

FEH: 30 years: +0 %: 1440 mins: Summer	0.09	2.5	55.170
FEH: 30 years: +0 %: 1440 mins: Winter	0.09	1.6	55.080
FEH: 30 years: +0 %: 2160 mins: Summer	0.09	1.9	61.512
FEH: 30 years: +0 %: 2160 mins: Winter	0.09	1.2	61.434
FEH: 30 years: +0 %: 2880 mins: Summer	0.09	1.5	66.612
FEH: 30 years: +0 %: 2880 mins: Winter	0.09	1.0	66.546
FEH: 30 years: +0 %: 4320 mins: Summer	0.09	1.1	75.174
FEH: 30 years: +0 %: 4320 mins: Winter	0.09	0.7	75.204

FEH: 30 years: +0 %: 5760 mins: Summer	0.09	0.9	82.536
FEH: 30 years: +0 %: 5760 mins: Winter	0.09	0.6	82.668
FEH: 30 years: +0 %: 7200 mins: Summer	0.09	0.8	89.250
FEH: 30 years: +0 %: 7200 mins: Winter	0.09	0.5	89.334
FEH: 30 years: +0 %: 8640 mins: Summer	0.09	0.7	95.202
FEH: 30 years: +0 %: 8640 mins: Winter	0.09	0.5	95.496
FEH: 30 years: +0 %: 10080 mins: Summer	0.09	0.7	101.736
FEH: 30 years: +0 %: 10080 mins: Winter	0.09	0.4	101.598

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Unit 5 Roof to S06-5: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 30 years: +0 %: 15 mins: Summer	0.09	36.2	15.699
FEH: 30 years: +0 %: 15 mins: Winter	0.09	33.9	15.702
FEH: 30 years: +0 %: 30 mins: Summer	0.09	23.6	20.490
FEH: 30 years: +0 %: 30 mins: Winter	0.09	22.2	20.490
FEH: 30 years: +0 %: 60 mins: Summer	0.09	20.5	25.644
FEH: 30 years: +0 %: 60 mins: Winter	0.09	16.5	25.638

FEH: 30 years: +0 %: 120 mins: Summer	0.09	14.3	30.114
FEH: 30 years: +0 %: 120 mins: Winter	0.09	10.3	30.108
FEH: 30 years: +0 %: 180 mins: Summer	0.09	11.1	33.108
FEH: 30 years: +0 %: 180 mins: Winter	0.09	7.7	33.120
FEH: 30 years: +0 %: 240 mins: Summer	0.09	9.2	35.436
FEH: 30 years: +0 %: 240 mins: Winter	0.09	6.2	35.442
FEH: 30 years: +0 %: 360 mins: Summer	0.09	6.9	38.994
FEH: 30 years: +0 %: 360 mins: Winter	0.09	4.6	38.976

FEH: 30 years: +0 %: 480 mins: Summer	0.09	5.7	41.778
FEH: 30 years: +0 %: 480 mins: Winter	0.09	3.7	41.808
FEH: 30 years: +0 %: 600 mins: Summer	0.09	4.8	44.112
FEH: 30 years: +0 %: 600 mins: Winter	0.09	3.1	44.142
FEH: 30 years: +0 %: 720 mins: Summer	0.09	4.2	46.176
FEH: 30 years: +0 %: 720 mins: Winter	0.09	2.7	46.164
FEH: 30 years: +0 %: 960 mins: Summer	0.09	3.4	49.644
FEH: 30 years: +0 %: 960 mins: Winter	0.09	2.2	49.614

FEH: 30 years: +0 %: 1440 mins: Summer	0.09	2.5	55.182
FEH: 30 years: +0 %: 1440 mins: Winter	0.09	1.6	55.080
FEH: 30 years: +0 %: 2160 mins: Summer	0.09	1.9	61.512
FEH: 30 years: +0 %: 2160 mins: Winter	0.09	1.2	61.434
FEH: 30 years: +0 %: 2880 mins: Summer	0.09	1.5	66.612
FEH: 30 years: +0 %: 2880 mins: Winter	0.09	1.0	66.546
FEH: 30 years: +0 %: 4320 mins: Summer	0.09	1.1	75.174
FEH: 30 years: +0 %: 4320 mins: Winter	0.09	0.7	75.204

FEH: 30 years: +0 %: 5760 mins: Summer	0.09	0.9	82.536
FEH: 30 years: +0 %: 5760 mins: Winter	0.09	0.6	82.668
FEH: 30 years: +0 %: 7200 mins: Summer	0.09	0.8	89.250
FEH: 30 years: +0 %: 7200 mins: Winter	0.09	0.5	89.412
FEH: 30 years: +0 %: 8640 mins: Summer	0.09	0.7	95.202
FEH: 30 years: +0 %: 8640 mins: Winter	0.09	0.5	95.496
FEH: 30 years: +0 %: 10080 mins: Summer	0.09	0.7	101.736
FEH: 30 years: +0 %: 10080 mins: Winter	0.09	0.4	101.598

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Unit 5 Roof to S12: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 30 years: +40 %: 15 mins: Summer	0.09	50.6	21.984
FEH: 30 years: +40 %: 15 mins: Winter	0.09	47.5	21.990
FEH: 30 years: +40 %: 30 mins: Summer	0.09	33.1	28.692
FEH: 30 years: +40 %: 30 mins: Winter	0.09	31.1	28.692
FEH: 30 years: +40 %: 60 mins: Summer	0.09	28.7	35.898
FEH: 30 years: +40 %: 60 mins: Winter	0.09	23.1	35.904

FEH: 30 years: +40 %: 120 mins: Summer	0.09	20.0	42.168
FEH: 30 years: +40 %: 120 mins: Winter	0.09	14.4	42.162
FEH: 30 years: +40 %: 180 mins: Summer	0.09	15.5	46.380
FEH: 30 years: +40 %: 180 mins: Winter	0.09	10.7	46.374
FEH: 30 years: +40 %: 240 mins: Summer	0.09	12.9	49.626
FEH: 30 years: +40 %: 240 mins: Winter	0.09	8.7	49.620
FEH: 30 years: +40 %: 360 mins: Summer	0.09	9.7	54.606
FEH: 30 years: +40 %: 360 mins: Winter	0.09	6.4	54.618

FEH: 30 years: +40 %: 480 mins: Summer	0.09	7.9	58.530
FEH: 30 years: +40 %: 480 mins: Winter	0.09	5.1	58.542
FEH: 30 years: +40 %: 600 mins: Summer	0.09	6.7	61.800
FEH: 30 years: +40 %: 600 mins: Winter	0.09	4.3	61.776
FEH: 30 years: +40 %: 720 mins: Summer	0.09	5.9	64.644
FEH: 30 years: +40 %: 720 mins: Winter	0.09	3.8	64.662
FEH: 30 years: +40 %: 960 mins: Summer	0.09	4.7	69.522
FEH: 30 years: +40 %: 960 mins: Winter	0.09	3.0	69.516

FEH: 30 years: +40 %: 1440 mins: Summer	0.09	3.5	77.172
FEH: 30 years: +40 %: 1440 mins: Winter	0.09	2.3	77.220
FEH: 30 years: +40 %: 2160 mins: Summer	0.09	2.6	86.166
FEH: 30 years: +40 %: 2160 mins: Winter	0.09	1.7	86.166
FEH: 30 years: +40 %: 2880 mins: Summer	0.09	2.1	93.246
FEH: 30 years: +40 %: 2880 mins: Winter	0.09	1.4	93.330
FEH: 30 years: +40 %: 4320 mins: Summer	0.09	1.6	105.216

FEH: 30 years: +40 %: 4320 mins: Winter	0.09	1.0	105.144
FEH: 30 years: +40 %: 5760 mins: Summer	0.09	1.3	115.422
FEH: 30 years: +40 %: 5760 mins: Winter	0.09	0.9	115.440
FEH: 30 years: +40 %: 7200 mins: Summer	0.09	1.1	125.100
FEH: 30 years: +40 %: 7200 mins: Winter	0.09	0.7	124.836
FEH: 30 years: +40 %: 8640 mins: Summer	0.09	1.0	134.148
FEH: 30 years: +40 %: 8640 mins: Winter	0.09	0.6	133.680

FEH: 30 years: +40 %: 10080 mins: Summer	0.09	0.9	142.254
FEH: 30 years: +40 %: 10080 mins: Winter	0.09	0.6	142.116

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Unit 05 Loading Area: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 30 years: +40 %: 15 mins: Summer	0.28	153.6	66.699
FEH: 30 years: +40 %: 15 mins: Winter	0.28	144.2	66.702
FEH: 30 years: +40 %: 30 mins: Summer	0.28	100.5	87.036
FEH: 30 years: +40 %: 30 mins: Winter	0.28	94.3	87.036
FEH: 30 years: +40 %: 60 mins: Summer	0.28	87.2	108.924
FEH: 30 years: +40 %: 60 mins: Winter	0.28	70.1	108.936

FEH: 30 years: +40 %: 120 mins: Summer	0.28	60.7	127.908
FEH: 30 years: +40 %: 120 mins: Winter	0.28	43.7	127.908
FEH: 30 years: +40 %: 180 mins: Summer	0.28	47.1	140.664
FEH: 30 years: +40 %: 180 mins: Winter	0.28	32.5	140.670
FEH: 30 years: +40 %: 240 mins: Summer	0.28	39.0	150.555
FEH: 30 years: +40 %: 240 mins: Winter	0.28	26.2	150.564
FEH: 30 years: +40 %: 360 mins: Summer	0.28	29.3	165.672
FEH: 30 years: +40 %: 360 mins: Winter	0.28	19.3	165.672

FEH: 30 years: +40 %: 480 mins: Summer	0.28	24.1	177.540
FEH: 30 years: +40 %: 480 mins: Winter	0.28	15.6	177.540
FEH: 30 years: +40 %: 600 mins: Summer	0.28	20.4	187.506
FEH: 30 years: +40 %: 600 mins: Winter	0.28	13.2	187.500
FEH: 30 years: +40 %: 720 mins: Summer	0.28	17.8	196.140
FEH: 30 years: +40 %: 720 mins: Winter	0.28	11.5	196.146
FEH: 30 years: +40 %: 960 mins: Summer	0.28	14.3	210.846
FEH: 30 years: +40 %: 960 mins: Winter	0.28	9.3	210.876

FEH: 30 years: +40 %: 1440 mins: Summer	0.28	10.6	234.276
FEH: 30 years: +40 %: 1440 mins: Winter	0.28	6.9	234.366
FEH: 30 years: +40 %: 2160 mins: Summer	0.28	7.9	261.378
FEH: 30 years: +40 %: 2160 mins: Winter	0.28	5.1	261.252
FEH: 30 years: +40 %: 2880 mins: Summer	0.28	6.4	283.020
FEH: 30 years: +40 %: 2880 mins: Winter	0.28	4.1	283.026
FEH: 30 years: +40 %: 4320 mins: Summer	0.28	4.8	319.452

FEH: 30 years: +40 %: 4320 mins: Winter	0.28	3.1	319.428
FEH: 30 years: +40 %: 5760 mins: Summer	0.28	4.0	350.574
FEH: 30 years: +40 %: 5760 mins: Winter	0.28	2.6	350.316
FEH: 30 years: +40 %: 7200 mins: Summer	0.28	3.4	378.864
FEH: 30 years: +40 %: 7200 mins: Winter	0.28	2.2	378.720
FEH: 30 years: +40 %: 8640 mins: Summer	0.28	3.1	405.618
FEH: 30 years: +40 %: 8640 mins: Winter	0.28	2.0	405.990

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Summer	0.28	2.8	431.826
FEH: 30 years: +40 %: 10080 mins: Winter	0.28	1.8	432.042

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Access Road Unit 05: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 30 years: +40 %: 15 mins: Summer	0.03	16.1	7.011
FEH: 30 years: +40 %: 15 mins: Winter	0.03	15.2	7.011
FEH: 30 years: +40 %: 30 mins: Summer	0.03	10.6	9.150
FEH: 30 years: +40 %: 30 mins: Winter	0.03	9.9	9.150
FEH: 30 years: +40 %: 60 mins: Summer	0.03	9.2	11.454
FEH: 30 years: +40 %: 60 mins: Winter	0.03	7.4	11.454

FEH: 30 years: +40 %: 120 mins: Summer	0.03	6.4	13.446
FEH: 30 years: +40 %: 120 mins: Winter	0.03	4.6	13.446
FEH: 30 years: +40 %: 180 mins: Summer	0.03	4.9	14.790
FEH: 30 years: +40 %: 180 mins: Winter	0.03	3.4	14.778
FEH: 30 years: +40 %: 240 mins: Summer	0.03	4.1	15.816
FEH: 30 years: +40 %: 240 mins: Winter	0.03	2.8	15.828
FEH: 30 years: +40 %: 360 mins: Summer	0.03	3.1	17.412
FEH: 30 years: +40 %: 360 mins: Winter	0.03	2.0	17.418

FEH: 30 years: +40 %: 480 mins: Summer	0.03	2.5	18.672
FEH: 30 years: +40 %: 480 mins: Winter	0.03	1.6	18.660
FEH: 30 years: +40 %: 600 mins: Summer	0.03	2.2	19.692
FEH: 30 years: +40 %: 600 mins: Winter	0.03	1.4	19.698
FEH: 30 years: +40 %: 720 mins: Summer	0.03	1.9	20.634
FEH: 30 years: +40 %: 720 mins: Winter	0.03	1.2	20.640
FEH: 30 years: +40 %: 960 mins: Summer	0.03	1.5	22.152
FEH: 30 years: +40 %: 960 mins: Winter	0.03	1.0	22.164

FEH: 30 years: +40 %: 1440 mins: Summer	0.03	1.1	24.636
FEH: 30 years: +40 %: 1440 mins: Winter	0.03	0.7	24.648
FEH: 30 years: +40 %: 2160 mins: Summer	0.03	0.8	27.432
FEH: 30 years: +40 %: 2160 mins: Winter	0.03	0.5	27.420
FEH: 30 years: +40 %: 2880 mins: Summer	0.03	0.7	29.748
FEH: 30 years: +40 %: 2880 mins: Winter	0.03	0.4	29.886
FEH: 30 years: +40 %: 4320 mins: Summer	0.03	0.5	33.600

FEH: 30 years: +40 %: 4320 mins: Winter	0.03	0.3	33.702
FEH: 30 years: +40 %: 5760 mins: Summer	0.03	0.4	36.972
FEH: 30 years: +40 %: 5760 mins: Winter	0.03	0.3	36.924
FEH: 30 years: +40 %: 7200 mins: Summer	0.03	0.4	39.738
FEH: 30 years: +40 %: 7200 mins: Winter	0.03	0.2	39.822
FEH: 30 years: +40 %: 8640 mins: Summer	0.03	0.3	42.726
FEH: 30 years: +40 %: 8640 mins: Winter	0.03	0.2	42.936

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Summer	0.03	0.3	45.480
FEH: 30 years: +40 %: 10080 mins: Winter	0.03	0.2	45.114

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Car-Park Unit 05: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 30 years: +40 %: 15 mins: Summer	0.12	65.6	28.503
FEH: 30 years: +40 %: 15 mins: Winter	0.12	61.6	28.506
FEH: 30 years: +40 %: 30 mins: Summer	0.12	42.9	37.188
FEH: 30 years: +40 %: 30 mins: Winter	0.12	40.3	37.194
FEH: 30 years: +40 %: 60 mins: Summer	0.12	37.3	46.548
FEH: 30 years: +40 %: 60 mins: Winter	0.12	30.0	46.560

FEH: 30 years: +40 %: 120 mins: Summer	0.12	25.9	54.660
FEH: 30 years: +40 %: 120 mins: Winter	0.12	18.7	54.660
FEH: 30 years: +40 %: 180 mins: Summer	0.12	20.1	60.114
FEH: 30 years: +40 %: 180 mins: Winter	0.12	13.9	60.126
FEH: 30 years: +40 %: 240 mins: Summer	0.12	16.7	64.344
FEH: 30 years: +40 %: 240 mins: Winter	0.12	11.2	64.338
FEH: 30 years: +40 %: 360 mins: Summer	0.12	12.5	70.818
FEH: 30 years: +40 %: 360 mins: Winter	0.12	8.3	70.806

FEH: 30 years: +40 %: 480 mins: Summer	0.12	10.3	75.876
FEH: 30 years: +40 %: 480 mins: Winter	0.12	6.7	75.858
FEH: 30 years: +40 %: 600 mins: Summer	0.12	8.7	80.094
FEH: 30 years: +40 %: 600 mins: Winter	0.12	5.6	80.112
FEH: 30 years: +40 %: 720 mins: Summer	0.12	7.6	83.844
FEH: 30 years: +40 %: 720 mins: Winter	0.12	4.9	83.802
FEH: 30 years: +40 %: 960 mins: Summer	0.12	6.1	90.102
FEH: 30 years: +40 %: 960 mins: Winter	0.12	4.0	90.126

FEH: 30 years: +40 %: 1440 mins: Summer	0.12	4.5	100.134
FEH: 30 years: +40 %: 1440 mins: Winter	0.12	2.9	100.194
FEH: 30 years: +40 %: 2160 mins: Summer	0.12	3.4	111.564
FEH: 30 years: +40 %: 2160 mins: Winter	0.12	2.2	111.600
FEH: 30 years: +40 %: 2880 mins: Summer	0.12	2.7	121.056
FEH: 30 years: +40 %: 2880 mins: Winter	0.12	1.8	120.930
FEH: 30 years: +40 %: 4320 mins: Summer	0.12	2.1	136.332

FEH: 30 years: +40 %: 4320 mins: Winter	0.12	1.3	136.446
FEH: 30 years: +40 %: 5760 mins: Summer	0.12	1.7	149.592
FEH: 30 years: +40 %: 5760 mins: Winter	0.12	1.1	149.562
FEH: 30 years: +40 %: 7200 mins: Summer	0.12	1.5	161.520
FEH: 30 years: +40 %: 7200 mins: Winter	0.12	0.9	162.228
FEH: 30 years: +40 %: 8640 mins: Summer	0.12	1.3	173.160
FEH: 30 years: +40 %: 8640 mins: Winter	0.12	0.9	173.370

FEH: 30 years: +40 %: 10080 mins: Summer	0.12	1.2	184.932
FEH: 30 years: +40 %: 10080 mins: Winter	0.12	0.8	184.470

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Unit 05 Rear Foot path: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 30 years: +40 %: 15 mins: Summer	0.01	8.0	3.459
FEH: 30 years: +40 %: 15 mins: Winter	0.01	7.5	3.459
FEH: 30 years: +40 %: 30 mins: Summer	0.01	5.2	4.512
FEH: 30 years: +40 %: 30 mins: Winter	0.01	4.9	4.518
FEH: 30 years: +40 %: 60 mins: Summer	0.01	4.5	5.646
FEH: 30 years: +40 %: 60 mins: Winter	0.01	3.6	5.652

FEH: 30 years: +40 %: 120 mins: Summer	0.01	3.2	6.630
FEH: 30 years: +40 %: 120 mins: Winter	0.01	2.3	6.642
FEH: 30 years: +40 %: 180 mins: Summer	0.01	2.4	7.296
FEH: 30 years: +40 %: 180 mins: Winter	0.01	1.7	7.302
FEH: 30 years: +40 %: 240 mins: Summer	0.01	2.0	7.794
FEH: 30 years: +40 %: 240 mins: Winter	0.01	1.4	7.812
FEH: 30 years: +40 %: 360 mins: Summer	0.01	1.5	8.592
FEH: 30 years: +40 %: 360 mins: Winter	0.01	1.0	8.592

FEH: 30 years: +40 %: 480 mins: Summer	0.01	1.3	9.222
FEH: 30 years: +40 %: 480 mins: Winter	0.01	0.8	9.192
FEH: 30 years: +40 %: 600 mins: Summer	0.01	1.1	9.738
FEH: 30 years: +40 %: 600 mins: Winter	0.01	0.7	9.744
FEH: 30 years: +40 %: 720 mins: Summer	0.01	0.9	10.176
FEH: 30 years: +40 %: 720 mins: Winter	0.01	0.6	10.176
FEH: 30 years: +40 %: 960 mins: Summer	0.01	0.7	10.914
FEH: 30 years: +40 %: 960 mins: Winter	0.01	0.5	10.878

FEH: 30 years: +40 %: 1440 mins: Summer	0.01	0.6	12.144
FEH: 30 years: +40 %: 1440 mins: Winter	0.01	0.4	12.132
FEH: 30 years: +40 %: 2160 mins: Summer	0.01	0.4	13.560
FEH: 30 years: +40 %: 2160 mins: Winter	0.01	0.3	13.638
FEH: 30 years: +40 %: 2880 mins: Summer	0.01	0.3	14.598
FEH: 30 years: +40 %: 2880 mins: Winter	0.01	0.2	14.724
FEH: 30 years: +40 %: 4320 mins: Summer	0.01	0.3	16.464

FEH: 30 years: +40 %: 4320 mins: Winter	0.01	0.2	16.638
FEH: 30 years: +40 %: 5760 mins: Summer	0.01	0.2	18.264
FEH: 30 years: +40 %: 5760 mins: Winter	0.01	0.1	17.832
FEH: 30 years: +40 %: 7200 mins: Summer	0.01	0.2	20.040
FEH: 30 years: +40 %: 7200 mins: Winter	0.01	0.1	19.620
FEH: 30 years: +40 %: 8640 mins: Summer	0.01	0.2	20.946
FEH: 30 years: +40 %: 8640 mins: Winter	0.01	0.1	21.258

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Summer	0.01	0.2	22.134
FEH: 30 years: +40 %: 10080 mins: Winter	0.01	0.1	22.746

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Unit 05 Dock: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 30 years: +40 %: 15 mins: Summer	0.01	7.8	3.390
FEH: 30 years: +40 %: 15 mins: Winter	0.01	7.3	3.390
FEH: 30 years: +40 %: 30 mins: Summer	0.01	5.1	4.422
FEH: 30 years: +40 %: 30 mins: Winter	0.01	4.8	4.422
FEH: 30 years: +40 %: 60 mins: Summer	0.01	4.4	5.526
FEH: 30 years: +40 %: 60 mins: Winter	0.01	3.6	5.532

FEH: 30 years: +40 %: 120 mins: Summer	0.01	3.1	6.504
FEH: 30 years: +40 %: 120 mins: Winter	0.01	2.2	6.498
FEH: 30 years: +40 %: 180 mins: Summer	0.01	2.4	7.146
FEH: 30 years: +40 %: 180 mins: Winter	0.01	1.6	7.146
FEH: 30 years: +40 %: 240 mins: Summer	0.01	2.0	7.650
FEH: 30 years: +40 %: 240 mins: Winter	0.01	1.3	7.656
FEH: 30 years: +40 %: 360 mins: Summer	0.01	1.5	8.424
FEH: 30 years: +40 %: 360 mins: Winter	0.01	1.0	8.400

FEH: 30 years: +40 %: 480 mins: Summer	0.01	1.2	9.018
FEH: 30 years: +40 %: 480 mins: Winter	0.01	0.8	9.030
FEH: 30 years: +40 %: 600 mins: Summer	0.01	1.0	9.546
FEH: 30 years: +40 %: 600 mins: Winter	0.01	0.7	9.540
FEH: 30 years: +40 %: 720 mins: Summer	0.01	0.9	9.972
FEH: 30 years: +40 %: 720 mins: Winter	0.01	0.6	9.960
FEH: 30 years: +40 %: 960 mins: Summer	0.01	0.7	10.716
FEH: 30 years: +40 %: 960 mins: Winter	0.01	0.5	10.662

FEH: 30 years: +40 %: 1440 mins: Summer	0.01	0.5	11.922
FEH: 30 years: +40 %: 1440 mins: Winter	0.01	0.3	11.898
FEH: 30 years: +40 %: 2160 mins: Summer	0.01	0.4	13.290
FEH: 30 years: +40 %: 2160 mins: Winter	0.01	0.3	13.278
FEH: 30 years: +40 %: 2880 mins: Summer	0.01	0.3	14.388
FEH: 30 years: +40 %: 2880 mins: Winter	0.01	0.2	14.436
FEH: 30 years: +40 %: 4320 mins: Summer	0.01	0.3	16.302

FEH: 30 years: +40 %: 4320 mins: Winter	0.01	0.2	16.410
FEH: 30 years: +40 %: 5760 mins: Summer	0.01	0.2	17.958
FEH: 30 years: +40 %: 5760 mins: Winter	0.01	0.1	17.742
FEH: 30 years: +40 %: 7200 mins: Summer	0.01	0.2	19.296
FEH: 30 years: +40 %: 7200 mins: Winter	0.01	0.1	19.272
FEH: 30 years: +40 %: 8640 mins: Summer	0.01	0.2	20.436
FEH: 30 years: +40 %: 8640 mins: Winter	0.01	0.1	20.934

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Summer	0.01	0.1	21.642
FEH: 30 years: +40 %: 10080 mins: Winter	0.01	0.1	22.380

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Side Footpath Unit 05: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 30 years: +40 %: 15 mins: Summer	0.01	4.5	1.953
FEH: 30 years: +40 %: 15 mins: Winter	0.01	4.2	1.953
FEH: 30 years: +40 %: 30 mins: Summer	0.01	2.9	2.544
FEH: 30 years: +40 %: 30 mins: Winter	0.01	2.8	2.550
FEH: 30 years: +40 %: 60 mins: Summer	0.01	2.6	3.186
FEH: 30 years: +40 %: 60 mins: Winter	0.01	2.0	3.186

FEH: 30 years: +40 %: 120 mins: Summer	0.01	1.8	3.738
FEH: 30 years: +40 %: 120 mins: Winter	0.01	1.3	3.750
FEH: 30 years: +40 %: 180 mins: Summer	0.01	1.4	4.122
FEH: 30 years: +40 %: 180 mins: Winter	0.01	0.9	4.122
FEH: 30 years: +40 %: 240 mins: Summer	0.01	1.1	4.422
FEH: 30 years: +40 %: 240 mins: Winter	0.01	0.8	4.434
FEH: 30 years: +40 %: 360 mins: Summer	0.01	0.9	4.866
FEH: 30 years: +40 %: 360 mins: Winter	0.01	0.6	4.836

FEH: 30 years: +40 %: 480 mins: Summer	0.01	0.7	5.196
FEH: 30 years: +40 %: 480 mins: Winter	0.01	0.5	5.214
FEH: 30 years: +40 %: 600 mins: Summer	0.01	0.6	5.478
FEH: 30 years: +40 %: 600 mins: Winter	0.01	0.4	5.514
FEH: 30 years: +40 %: 720 mins: Summer	0.01	0.5	5.748
FEH: 30 years: +40 %: 720 mins: Winter	0.01	0.3	5.748
FEH: 30 years: +40 %: 960 mins: Summer	0.01	0.4	6.192
FEH: 30 years: +40 %: 960 mins: Winter	0.01	0.3	6.198

FEH: 30 years: +40 %: 1440 mins: Summer	0.01	0.3	6.900
FEH: 30 years: +40 %: 1440 mins: Winter	0.01	0.2	6.924
FEH: 30 years: +40 %: 2160 mins: Summer	0.01	0.2	7.596
FEH: 30 years: +40 %: 2160 mins: Winter	0.01	0.2	7.764
FEH: 30 years: +40 %: 2880 mins: Summer	0.01	0.2	8.370
FEH: 30 years: +40 %: 2880 mins: Winter	0.01	0.1	8.262
FEH: 30 years: +40 %: 4320 mins: Summer	0.01	0.1	9.228

FEH: 30 years: +40 %: 4320 mins: Winter	0.01	0.1	9.492
FEH: 30 years: +40 %: 5760 mins: Summer	0.01	0.1	10.224
FEH: 30 years: +40 %: 5760 mins: Winter	0.01	0.1	10.020
FEH: 30 years: +40 %: 7200 mins: Summer	0.01	0.1	10.896
FEH: 30 years: +40 %: 7200 mins: Winter	0.01	0.1	10.878
FEH: 30 years: +40 %: 8640 mins: Summer	0.01	0.1	12.024
FEH: 30 years: +40 %: 8640 mins: Winter	0.01	0.1	11.820

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Summer	0.01	0.1	13.068
FEH: 30 years: +40 %: 10080 mins: Winter	0.01	0.0	12.816

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Unit 5 Rooft to S13-5: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 30 years: +40 %: 15 mins: Summer	0.09	50.3	21.858
FEH: 30 years: +40 %: 15 mins: Winter	0.09	47.2	21.858
FEH: 30 years: +40 %: 30 mins: Summer	0.09	32.9	28.518
FEH: 30 years: +40 %: 30 mins: Winter	0.09	30.9	28.518
FEH: 30 years: +40 %: 60 mins: Summer	0.09	28.6	35.688
FEH: 30 years: +40 %: 60 mins: Winter	0.09	23.0	35.694

FEH: 30 years: +40 %: 120 mins: Summer	0.09	19.9	41.910
FEH: 30 years: +40 %: 120 mins: Winter	0.09	14.3	41.916
FEH: 30 years: +40 %: 180 mins: Summer	0.09	15.4	46.098
FEH: 30 years: +40 %: 180 mins: Winter	0.09	10.6	46.098
FEH: 30 years: +40 %: 240 mins: Summer	0.09	12.8	49.332
FEH: 30 years: +40 %: 240 mins: Winter	0.09	8.6	49.344
FEH: 30 years: +40 %: 360 mins: Summer	0.09	9.6	54.288
FEH: 30 years: +40 %: 360 mins: Winter	0.09	6.3	54.258

FEH: 30 years: +40 %: 480 mins: Summer	0.09	7.9	58.182
FEH: 30 years: +40 %: 480 mins: Winter	0.09	5.1	58.188
FEH: 30 years: +40 %: 600 mins: Summer	0.09	6.7	61.458
FEH: 30 years: +40 %: 600 mins: Winter	0.09	4.3	61.464
FEH: 30 years: +40 %: 720 mins: Summer	0.09	5.8	64.260
FEH: 30 years: +40 %: 720 mins: Winter	0.09	3.8	64.263
FEH: 30 years: +40 %: 960 mins: Summer	0.09	4.7	69.102
FEH: 30 years: +40 %: 960 mins: Winter	0.09	3.0	69.078

FEH: 30 years: +40 %: 1440 mins: Summer	0.09	3.5	76.764
FEH: 30 years: +40 %: 1440 mins: Winter	0.09	2.3	76.782
FEH: 30 years: +40 %: 2160 mins: Summer	0.09	2.6	85.548
FEH: 30 years: +40 %: 2160 mins: Winter	0.09	1.7	85.524
FEH: 30 years: +40 %: 2880 mins: Summer	0.09	2.1	92.718
FEH: 30 years: +40 %: 2880 mins: Winter	0.09	1.4	92.676
FEH: 30 years: +40 %: 4320 mins: Summer	0.09	1.6	104.718

FEH: 30 years: +40 %: 4320 mins: Winter	0.09	1.0	104.796
FEH: 30 years: +40 %: 5760 mins: Summer	0.09	1.3	114.822
FEH: 30 years: +40 %: 5760 mins: Winter	0.09	0.8	114.924
FEH: 30 years: +40 %: 7200 mins: Summer	0.09	1.1	124.224
FEH: 30 years: +40 %: 7200 mins: Winter	0.09	0.7	124.218
FEH: 30 years: +40 %: 8640 mins: Summer	0.09	1.0	132.714
FEH: 30 years: +40 %: 8640 mins: Winter	0.09	0.6	132.930

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Summer	0.09	0.9	141.642
FEH: 30 years: +40 %: 10080 mins: Winter	0.09	0.6	140.820

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Unit 5 Roof To S07-5: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 30 years: +40 %: 15 mins: Summer	0.09	50.6	21.978
FEH: 30 years: +40 %: 15 mins: Winter	0.09	47.5	21.978
FEH: 30 years: +40 %: 30 mins: Summer	0.09	33.1	28.680
FEH: 30 years: +40 %: 30 mins: Winter	0.09	31.1	28.680
FEH: 30 years: +40 %: 60 mins: Summer	0.09	28.7	35.892
FEH: 30 years: +40 %: 60 mins: Winter	0.09	23.1	35.898

FEH: 30 years: +40 %: 120 mins: Summer	0.09	20.0	42.162
FEH: 30 years: +40 %: 120 mins: Winter	0.09	14.4	42.144
FEH: 30 years: +40 %: 180 mins: Summer	0.09	15.5	46.350
FEH: 30 years: +40 %: 180 mins: Winter	0.09	10.7	46.368
FEH: 30 years: +40 %: 240 mins: Summer	0.09	12.8	49.602
FEH: 30 years: +40 %: 240 mins: Winter	0.09	8.6	49.596
FEH: 30 years: +40 %: 360 mins: Summer	0.09	9.7	54.600
FEH: 30 years: +40 %: 360 mins: Winter	0.09	6.4	54.594

FEH: 30 years: +40 %: 480 mins: Summer	0.09	7.9	58.506
FEH: 30 years: +40 %: 480 mins: Winter	0.09	5.1	58.500
FEH: 30 years: +40 %: 600 mins: Summer	0.09	6.7	61.779
FEH: 30 years: +40 %: 600 mins: Winter	0.09	4.3	61.758
FEH: 30 years: +40 %: 720 mins: Summer	0.09	5.9	64.626
FEH: 30 years: +40 %: 720 mins: Winter	0.09	3.8	64.656
FEH: 30 years: +40 %: 960 mins: Summer	0.09	4.7	69.492
FEH: 30 years: +40 %: 960 mins: Winter	0.09	3.0	69.504

FEH: 30 years: +40 %: 1440 mins: Summer	0.09	3.5	77.166
FEH: 30 years: +40 %: 1440 mins: Winter	0.09	2.3	77.202
FEH: 30 years: +40 %: 2160 mins: Summer	0.09	2.6	86.148
FEH: 30 years: +40 %: 2160 mins: Winter	0.09	1.7	86.088
FEH: 30 years: +40 %: 2880 mins: Summer	0.09	2.1	93.210
FEH: 30 years: +40 %: 2880 mins: Winter	0.09	1.4	93.300
FEH: 30 years: +40 %: 4320 mins: Summer	0.09	1.6	105.168

FEH: 30 years: +40 %: 4320 mins: Winter	0.09	1.0	105.138
FEH: 30 years: +40 %: 5760 mins: Summer	0.09	1.3	115.356
FEH: 30 years: +40 %: 5760 mins: Winter	0.09	0.8	115.308
FEH: 30 years: +40 %: 7200 mins: Summer	0.09	1.1	124.932
FEH: 30 years: +40 %: 7200 mins: Winter	0.09	0.7	124.830
FEH: 30 years: +40 %: 8640 mins: Summer	0.09	1.0	133.950
FEH: 30 years: +40 %: 8640 mins: Winter	0.09	0.6	133.578

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Summer	0.09	0.9	142.248
FEH: 30 years: +40 %: 10080 mins: Winter	0.09	0.6	141.996

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Unit 5 Roof to S06-5: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 30 years: +40 %: 15 mins: Summer	0.09	50.6	21.981
FEH: 30 years: +40 %: 15 mins: Winter	0.09	47.5	21.981
FEH: 30 years: +40 %: 30 mins: Summer	0.09	33.1	28.680
FEH: 30 years: +40 %: 30 mins: Winter	0.09	31.1	28.686
FEH: 30 years: +40 %: 60 mins: Summer	0.09	28.7	35.898
FEH: 30 years: +40 %: 60 mins: Winter	0.09	23.1	35.898

FEH: 30 years: +40 %: 120 mins: Summer	0.09	20.0	42.162
FEH: 30 years: +40 %: 120 mins: Winter	0.09	14.4	42.147
FEH: 30 years: +40 %: 180 mins: Summer	0.09	15.5	46.350
FEH: 30 years: +40 %: 180 mins: Winter	0.09	10.7	46.368
FEH: 30 years: +40 %: 240 mins: Summer	0.09	12.9	49.608
FEH: 30 years: +40 %: 240 mins: Winter	0.09	8.7	49.608
FEH: 30 years: +40 %: 360 mins: Summer	0.09	9.7	54.600
FEH: 30 years: +40 %: 360 mins: Winter	0.09	6.4	54.594

FEH: 30 years: +40 %: 480 mins: Summer	0.09	7.9	58.512
FEH: 30 years: +40 %: 480 mins: Winter	0.09	5.1	58.506
FEH: 30 years: +40 %: 600 mins: Summer	0.09	6.7	61.788
FEH: 30 years: +40 %: 600 mins: Winter	0.09	4.3	61.764
FEH: 30 years: +40 %: 720 mins: Summer	0.09	5.9	64.632
FEH: 30 years: +40 %: 720 mins: Winter	0.09	3.8	64.656
FEH: 30 years: +40 %: 960 mins: Summer	0.09	4.7	69.492
FEH: 30 years: +40 %: 960 mins: Winter	0.09	3.0	69.504

FEH: 30 years: +40 %: 1440 mins: Summer	0.09	3.5	77.172
FEH: 30 years: +40 %: 1440 mins: Winter	0.09	2.3	77.208
FEH: 30 years: +40 %: 2160 mins: Summer	0.09	2.6	86.166
FEH: 30 years: +40 %: 2160 mins: Winter	0.09	1.7	86.106
FEH: 30 years: +40 %: 2880 mins: Summer	0.09	2.1	93.210
FEH: 30 years: +40 %: 2880 mins: Winter	0.09	1.4	93.300
FEH: 30 years: +40 %: 4320 mins: Summer	0.09	1.6	105.168

FEH: 30 years: +40 %: 4320 mins: Winter	0.09	1.0	105.138
FEH: 30 years: +40 %: 5760 mins: Summer	0.09	1.3	115.356
FEH: 30 years: +40 %: 5760 mins: Winter	0.09	0.9	115.374
FEH: 30 years: +40 %: 7200 mins: Summer	0.09	1.1	124.932
FEH: 30 years: +40 %: 7200 mins: Winter	0.09	0.7	124.836
FEH: 30 years: +40 %: 8640 mins: Summer	0.09	1.0	133.950
FEH: 30 years: +40 %: 8640 mins: Winter	0.09	0.6	133.674

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Summer	0.09	0.9	142.248
FEH: 30 years: +40 %: 10080 mins: Winter	0.09	0.6	141.996

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Unit 5 Roof to S12: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 100 years: +45 %: 15 mins: Summer	0.09	65.4	28.404
FEH: 100 years: +45 %: 15 mins: Winter	0.09	61.4	28.406
FEH: 100 years: +45 %: 30 mins: Summer	0.09	43.2	37.416
FEH: 100 years: +45 %: 30 mins: Winter	0.09	40.5	37.416
FEH: 100 years: +45 %: 60 mins: Summer	0.09	37.6	46.974
FEH: 100 years: +45 %: 60 mins: Winter	0.09	30.2	46.962

FEH: 100 years: +45 %: 120 mins: Summer	0.09	25.8	54.396
FEH: 100 years: +45 %: 120 mins: Winter	0.09	18.6	54.408
FEH: 100 years: +45 %: 180 mins: Summer	0.09	19.9	59.436
FEH: 100 years: +45 %: 180 mins: Winter	0.09	13.7	59.430
FEH: 100 years: +45 %: 240 mins: Summer	0.09	16.4	63.384
FEH: 100 years: +45 %: 240 mins: Winter	0.09	11.0	63.378
FEH: 100 years: +45 %: 360 mins: Summer	0.09	12.3	69.624
FEH: 100 years: +45 %: 360 mins: Winter	0.09	8.1	69.606

FEH: 100 years: +45 %: 480 mins: Summer	0.09	10.1	74.592
FEH: 100 years: +45 %: 480 mins: Winter	0.09	6.6	74.592
FEH: 100 years: +45 %: 600 mins: Summer	0.09	8.6	78.804
FEH: 100 years: +45 %: 600 mins: Winter	0.09	5.5	78.798
FEH: 100 years: +45 %: 720 mins: Summer	0.09	7.5	82.476
FEH: 100 years: +45 %: 720 mins: Winter	0.09	4.8	82.452
FEH: 100 years: +45 %: 960 mins: Summer	0.09	6.0	88.728
FEH: 100 years: +45 %: 960 mins: Winter	0.09	3.9	88.770

FEH: 100 years: +45 %: 1440 mins: Summer	0.09	4.5	98.718
FEH: 100 years: +45 %: 1440 mins: Winter	0.09	2.9	98.748
FEH: 100 years: +45 %: 2160 mins: Summer	0.09	3.3	109.794
FEH: 100 years: +45 %: 2160 mins: Winter	0.09	2.1	109.782
FEH: 100 years: +45 %: 2880 mins: Summer	0.09	2.7	118.674
FEH: 100 years: +45 %: 2880 mins: Winter	0.09	1.7	118.794
FEH: 100 years: +45 %: 4320 mins: Summer	0.09	2.0	132.732

FEH: 100 years: +45 %: 4320 mins: Winter	0.09	1.3	132.810
FEH: 100 years: +45 %: 5760 mins: Summer	0.09	1.6	144.216
FEH: 100 years: +45 %: 5760 mins: Winter	0.09	1.1	144.336
FEH: 100 years: +45 %: 7200 mins: Summer	0.09	1.4	154.746
FEH: 100 years: +45 %: 7200 mins: Winter	0.09	0.9	154.746
FEH: 100 years: +45 %: 8640 mins: Summer	0.09	1.2	164.238
FEH: 100 years: +45 %: 8640 mins: Winter	0.09	0.8	164.424

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.09	1.1	173.820
FEH: 100 years: +45 %: 10080 mins: Winter	0.09	0.7	173.814

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Unit 05 Loading Area: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 100 years: +45 %: 15 mins: Summer	0.28	198.4	86.177
FEH: 100 years: +45 %: 15 mins: Winter	0.28	186.4	86.178
FEH: 100 years: +45 %: 30 mins: Summer	0.28	131.0	113.520
FEH: 100 years: +45 %: 30 mins: Winter	0.28	123.0	113.520
FEH: 100 years: +45 %: 60 mins: Summer	0.28	114.0	142.494
FEH: 100 years: +45 %: 60 mins: Winter	0.28	91.7	142.506

FEH: 100 years: +45 %: 120 mins: Summer	0.28	78.3	165.012
FEH: 100 years: +45 %: 120 mins: Winter	0.28	56.3	165.012
FEH: 100 years: +45 %: 180 mins: Summer	0.28	60.4	180.288
FEH: 100 years: +45 %: 180 mins: Winter	0.28	41.6	180.294
FEH: 100 years: +45 %: 240 mins: Summer	0.28	49.8	192.294
FEH: 100 years: +45 %: 240 mins: Winter	0.28	33.5	192.288
FEH: 100 years: +45 %: 360 mins: Summer	0.28	37.4	211.218
FEH: 100 years: +45 %: 360 mins: Winter	0.28	24.6	211.200

FEH: 100 years: +45 %: 480 mins: Summer	0.28	30.7	226.290
FEH: 100 years: +45 %: 480 mins: Winter	0.28	19.9	226.290
FEH: 100 years: +45 %: 600 mins: Summer	0.28	26.0	239.028
FEH: 100 years: +45 %: 600 mins: Winter	0.28	16.8	239.046
FEH: 100 years: +45 %: 720 mins: Summer	0.28	22.7	250.194
FEH: 100 years: +45 %: 720 mins: Winter	0.28	14.7	250.164
FEH: 100 years: +45 %: 960 mins: Summer	0.28	18.3	269.250
FEH: 100 years: +45 %: 960 mins: Winter	0.28	11.8	269.250

FEH: 100 years: +45 %: 1440 mins: Summer	0.28	13.6	299.316
FEH: 100 years: +45 %: 1440 mins: Winter	0.28	8.8	299.376
FEH: 100 years: +45 %: 2160 mins: Summer	0.28	10.1	333.192
FEH: 100 years: +45 %: 2160 mins: Winter	0.28	6.5	333.150
FEH: 100 years: +45 %: 2880 mins: Summer	0.28	8.2	360.066
FEH: 100 years: +45 %: 2880 mins: Winter	0.28	5.3	360.102
FEH: 100 years: +45 %: 4320 mins: Summer	0.28	6.1	402.492

FEH: 100 years: +45 %: 4320 mins: Winter	0.28	3.9	402.420
FEH: 100 years: +45 %: 5760 mins: Summer	0.28	5.0	437.868
FEH: 100 years: +45 %: 5760 mins: Winter	0.28	3.2	437.916
FEH: 100 years: +45 %: 7200 mins: Summer	0.28	4.3	469.680
FEH: 100 years: +45 %: 7200 mins: Winter	0.28	2.8	469.722
FEH: 100 years: +45 %: 8640 mins: Summer	0.28	3.8	499.314
FEH: 100 years: +45 %: 8640 mins: Winter	0.28	2.4	498.810

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.28	3.4	527.148
FEH: 100 years: +45 %: 10080 mins: Winter	0.28	2.2	527.148

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Access Road Unit 05: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 100 years: +45 %: 15 mins: Summer	0.03	20.9	9.060
FEH: 100 years: +45 %: 15 mins: Winter	0.03	19.6	9.057
FEH: 100 years: +45 %: 30 mins: Summer	0.03	13.8	11.934
FEH: 100 years: +45 %: 30 mins: Winter	0.03	12.9	11.934
FEH: 100 years: +45 %: 60 mins: Summer	0.03	12.0	14.982
FEH: 100 years: +45 %: 60 mins: Winter	0.03	9.6	14.982

FEH: 100 years: +45 %: 120 mins: Summer	0.03	8.2	17.358
FEH: 100 years: +45 %: 120 mins: Winter	0.03	5.9	17.346
FEH: 100 years: +45 %: 180 mins: Summer	0.03	6.3	18.948
FEH: 100 years: +45 %: 180 mins: Winter	0.03	4.4	18.942
FEH: 100 years: +45 %: 240 mins: Summer	0.03	5.2	20.232
FEH: 100 years: +45 %: 240 mins: Winter	0.03	3.5	20.208
FEH: 100 years: +45 %: 360 mins: Summer	0.03	3.9	22.218
FEH: 100 years: +45 %: 360 mins: Winter	0.03	2.6	22.218

FEH: 100 years: +45 %: 480 mins: Summer	0.03	3.2	23.784
FEH: 100 years: +45 %: 480 mins: Winter	0.03	2.1	23.802
FEH: 100 years: +45 %: 600 mins: Summer	0.03	2.7	25.134
FEH: 100 years: +45 %: 600 mins: Winter	0.03	1.8	25.134
FEH: 100 years: +45 %: 720 mins: Summer	0.03	2.4	26.322
FEH: 100 years: +45 %: 720 mins: Winter	0.03	1.5	26.298
FEH: 100 years: +45 %: 960 mins: Summer	0.03	1.9	28.326
FEH: 100 years: +45 %: 960 mins: Winter	0.03	1.2	28.314

FEH: 100 years: +45 %: 1440 mins: Summer	0.03	1.4	31.464
FEH: 100 years: +45 %: 1440 mins: Winter	0.03	0.9	31.488
FEH: 100 years: +45 %: 2160 mins: Summer	0.03	1.1	35.034
FEH: 100 years: +45 %: 2160 mins: Winter	0.03	0.7	34.998
FEH: 100 years: +45 %: 2880 mins: Summer	0.03	0.9	37.842
FEH: 100 years: +45 %: 2880 mins: Winter	0.03	0.6	37.848
FEH: 100 years: +45 %: 4320 mins: Summer	0.03	0.6	42.354

FEH: 100 years: +45 %: 4320 mins: Winter	0.03	0.4	42.192
FEH: 100 years: +45 %: 5760 mins: Summer	0.03	0.5	46.098
FEH: 100 years: +45 %: 5760 mins: Winter	0.03	0.3	46.290
FEH: 100 years: +45 %: 7200 mins: Summer	0.03	0.4	49.248
FEH: 100 years: +45 %: 7200 mins: Winter	0.03	0.3	49.332
FEH: 100 years: +45 %: 8640 mins: Summer	0.03	0.4	52.272
FEH: 100 years: +45 %: 8640 mins: Winter	0.03	0.3	52.578

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.03	0.4	55.050
FEH: 100 years: +45 %: 10080 mins: Winter	0.03	0.2	55.056

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Car -Park Unit 05: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 100 years: +45 %: 15 mins: Summer	0.12	84.8	36.828
FEH: 100 years: +45 %: 15 mins: Winter	0.12	79.6	36.827
FEH: 100 years: +45 %: 30 mins: Summer	0.12	56.0	48.510
FEH: 100 years: +45 %: 30 mins: Winter	0.12	52.6	48.516
FEH: 100 years: +45 %: 60 mins: Summer	0.12	48.7	60.894
FEH: 100 years: +45 %: 60 mins: Winter	0.12	39.2	60.888

FEH: 100 years: +45 %: 120 mins: Summer	0.12	33.5	70.518
FEH: 100 years: +45 %: 120 mins: Winter	0.12	24.1	70.518
FEH: 100 years: +45 %: 180 mins: Summer	0.12	25.8	77.040
FEH: 100 years: +45 %: 180 mins: Winter	0.12	17.8	77.046
FEH: 100 years: +45 %: 240 mins: Summer	0.12	21.3	82.176
FEH: 100 years: +45 %: 240 mins: Winter	0.12	14.3	82.158
FEH: 100 years: +45 %: 360 mins: Summer	0.12	16.0	90.252
FEH: 100 years: +45 %: 360 mins: Winter	0.12	10.5	90.258

FEH: 100 years: +45 %: 480 mins: Summer	0.12	13.1	96.714
FEH: 100 years: +45 %: 480 mins: Winter	0.12	8.5	96.702
FEH: 100 years: +45 %: 600 mins: Summer	0.12	11.1	102.129
FEH: 100 years: +45 %: 600 mins: Winter	0.12	7.2	102.138
FEH: 100 years: +45 %: 720 mins: Summer	0.12	9.7	106.938
FEH: 100 years: +45 %: 720 mins: Winter	0.12	6.3	106.908
FEH: 100 years: +45 %: 960 mins: Summer	0.12	7.8	115.110
FEH: 100 years: +45 %: 960 mins: Winter	0.12	5.0	115.071

FEH: 100 years: +45 %: 1440 mins: Summer	0.12	5.8	127.926
FEH: 100 years: +45 %: 1440 mins: Winter	0.12	3.7	127.932
FEH: 100 years: +45 %: 2160 mins: Summer	0.12	4.3	142.386
FEH: 100 years: +45 %: 2160 mins: Winter	0.12	2.8	142.422
FEH: 100 years: +45 %: 2880 mins: Summer	0.12	3.5	153.816
FEH: 100 years: +45 %: 2880 mins: Winter	0.12	2.3	153.870
FEH: 100 years: +45 %: 4320 mins: Summer	0.12	2.6	172.212

FEH: 100 years: +45 %: 4320 mins: Winter	0.12	1.7	172.116
FEH: 100 years: +45 %: 5760 mins: Summer	0.12	2.1	187.068
FEH: 100 years: +45 %: 5760 mins: Winter	0.12	1.4	187.158
FEH: 100 years: +45 %: 7200 mins: Summer	0.12	1.8	200.550
FEH: 100 years: +45 %: 7200 mins: Winter	0.12	1.2	200.874
FEH: 100 years: +45 %: 8640 mins: Summer	0.12	1.6	213.354
FEH: 100 years: +45 %: 8640 mins: Winter	0.12	1.0	212.766

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.12	1.5	225.210
FEH: 100 years: +45 %: 10080 mins: Winter	0.12	0.9	225.690

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Unit 05 Rear Foot path: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 100 years: +45 %: 15 mins: Summer	0.01	10.3	4.470
FEH: 100 years: +45 %: 15 mins: Winter	0.01	9.7	4.470
FEH: 100 years: +45 %: 30 mins: Summer	0.01	6.8	5.892
FEH: 100 years: +45 %: 30 mins: Winter	0.01	6.4	5.886
FEH: 100 years: +45 %: 60 mins: Summer	0.01	5.9	7.392
FEH: 100 years: +45 %: 60 mins: Winter	0.01	4.8	7.392

FEH: 100 years: +45 %: 120 mins: Summer	0.01	4.1	8.556
FEH: 100 years: +45 %: 120 mins: Winter	0.01	2.9	8.550
FEH: 100 years: +45 %: 180 mins: Summer	0.01	3.1	9.342
FEH: 100 years: +45 %: 180 mins: Winter	0.01	2.2	9.366
FEH: 100 years: +45 %: 240 mins: Summer	0.01	2.6	9.960
FEH: 100 years: +45 %: 240 mins: Winter	0.01	1.7	9.972
FEH: 100 years: +45 %: 360 mins: Summer	0.01	1.9	10.944
FEH: 100 years: +45 %: 360 mins: Winter	0.01	1.3	10.962

FEH: 100 years: +45 %: 480 mins: Summer	0.01	1.6	11.724
FEH: 100 years: +45 %: 480 mins: Winter	0.01	1.0	11.736
FEH: 100 years: +45 %: 600 mins: Summer	0.01	1.4	12.384
FEH: 100 years: +45 %: 600 mins: Winter	0.01	0.9	12.372
FEH: 100 years: +45 %: 720 mins: Summer	0.01	1.2	12.978
FEH: 100 years: +45 %: 720 mins: Winter	0.01	0.8	12.954
FEH: 100 years: +45 %: 960 mins: Summer	0.01	0.9	13.962
FEH: 100 years: +45 %: 960 mins: Winter	0.01	0.6	13.968

FEH: 100 years: +45 %: 1440 mins: Summer	0.01	0.7	15.498
FEH: 100 years: +45 %: 1440 mins: Winter	0.01	0.4	15.552
FEH: 100 years: +45 %: 2160 mins: Summer	0.01	0.5	17.286
FEH: 100 years: +45 %: 2160 mins: Winter	0.01	0.3	17.346
FEH: 100 years: +45 %: 2880 mins: Summer	0.01	0.4	18.684
FEH: 100 years: +45 %: 2880 mins: Winter	0.01	0.3	18.654
FEH: 100 years: +45 %: 4320 mins: Summer	0.01	0.3	20.964

FEH: 100 years: +45 %: 4320 mins: Winter	0.01	0.2	21.096
FEH: 100 years: +45 %: 5760 mins: Summer	0.01	0.3	22.602
FEH: 100 years: +45 %: 5760 mins: Winter	0.01	0.2	22.752
FEH: 100 years: +45 %: 7200 mins: Summer	0.01	0.2	24.366
FEH: 100 years: +45 %: 7200 mins: Winter	0.01	0.1	24.630
FEH: 100 years: +45 %: 8640 mins: Summer	0.01	0.2	26.028
FEH: 100 years: +45 %: 8640 mins: Winter	0.01	0.1	25.518

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.01	0.2	27.582
FEH: 100 years: +45 %: 10080 mins: Winter	0.01	0.1	27.102

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Unit 05 Dock: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 100 years: +45 %: 15 mins: Summer	0.01	10.1	4.377
FEH: 100 years: +45 %: 15 mins: Winter	0.01	9.5	4.377
FEH: 100 years: +45 %: 30 mins: Summer	0.01	6.7	5.772
FEH: 100 years: +45 %: 30 mins: Winter	0.01	6.3	5.772
FEH: 100 years: +45 %: 60 mins: Summer	0.01	5.8	7.242
FEH: 100 years: +45 %: 60 mins: Winter	0.01	4.7	7.236

FEH: 100 years: +45 %: 120 mins: Summer	0.01	4.0	8.388
FEH: 100 years: +45 %: 120 mins: Winter	0.01	2.9	8.376
FEH: 100 years: +45 %: 180 mins: Summer	0.01	3.1	9.168
FEH: 100 years: +45 %: 180 mins: Winter	0.01	2.1	9.174
FEH: 100 years: +45 %: 240 mins: Summer	0.01	2.5	9.768
FEH: 100 years: +45 %: 240 mins: Winter	0.01	1.7	9.774
FEH: 100 years: +45 %: 360 mins: Summer	0.01	1.9	10.734
FEH: 100 years: +45 %: 360 mins: Winter	0.01	1.3	10.734

FEH: 100 years: +45 %: 480 mins: Summer	0.01	1.6	11.502
FEH: 100 years: +45 %: 480 mins: Winter	0.01	1.0	11.490
FEH: 100 years: +45 %: 600 mins: Summer	0.01	1.3	12.120
FEH: 100 years: +45 %: 600 mins: Winter	0.01	0.9	12.138
FEH: 100 years: +45 %: 720 mins: Summer	0.01	1.1	12.714
FEH: 100 years: +45 %: 720 mins: Winter	0.01	0.7	12.702
FEH: 100 years: +45 %: 960 mins: Summer	0.01	0.9	13.680
FEH: 100 years: +45 %: 960 mins: Winter	0.01	0.6	13.710

FEH: 100 years: +45 %: 1440 mins: Summer	0.01	0.7	15.252
FEH: 100 years: +45 %: 1440 mins: Winter	0.01	0.4	15.252
FEH: 100 years: +45 %: 2160 mins: Summer	0.01	0.5	16.926
FEH: 100 years: +45 %: 2160 mins: Winter	0.01	0.3	16.980
FEH: 100 years: +45 %: 2880 mins: Summer	0.01	0.4	18.276
FEH: 100 years: +45 %: 2880 mins: Winter	0.01	0.3	18.408
FEH: 100 years: +45 %: 4320 mins: Summer	0.01	0.3	20.628

FEH: 100 years: +45 %: 4320 mins: Winter	0.01	0.2	20.628
FEH: 100 years: +45 %: 5760 mins: Summer	0.01	0.3	22.050
FEH: 100 years: +45 %: 5760 mins: Winter	0.01	0.2	22.278
FEH: 100 years: +45 %: 7200 mins: Summer	0.01	0.2	23.838
FEH: 100 years: +45 %: 7200 mins: Winter	0.01	0.1	23.508
FEH: 100 years: +45 %: 8640 mins: Summer	0.01	0.2	25.524
FEH: 100 years: +45 %: 8640 mins: Winter	0.01	0.1	25.092

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.01	0.2	26.982
FEH: 100 years: +45 %: 10080 mins: Winter	0.01	0.1	26.970

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Side Footpath Unit 05: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 100 years: +45 %: 15 mins: Summer	0.01	5.8	2.523
FEH: 100 years: +45 %: 15 mins: Winter	0.01	5.5	2.523
FEH: 100 years: +45 %: 30 mins: Summer	0.01	3.8	3.324
FEH: 100 years: +45 %: 30 mins: Winter	0.01	3.6	3.324
FEH: 100 years: +45 %: 60 mins: Summer	0.01	3.3	4.176
FEH: 100 years: +45 %: 60 mins: Winter	0.01	2.7	4.170

FEH: 100 years: +45 %: 120 mins: Summer	0.01	2.3	4.830
FEH: 100 years: +45 %: 120 mins: Winter	0.01	1.6	4.830
FEH: 100 years: +45 %: 180 mins: Summer	0.01	1.8	5.274
FEH: 100 years: +45 %: 180 mins: Winter	0.01	1.2	5.274
FEH: 100 years: +45 %: 240 mins: Summer	0.01	1.5	5.628
FEH: 100 years: +45 %: 240 mins: Winter	0.01	1.0	5.628
FEH: 100 years: +45 %: 360 mins: Summer	0.01	1.1	6.180
FEH: 100 years: +45 %: 360 mins: Winter	0.01	0.7	6.198

FEH: 100 years: +45 %: 480 mins: Summer	0.01	0.9	6.630
FEH: 100 years: +45 %: 480 mins: Winter	0.01	0.6	6.618
FEH: 100 years: +45 %: 600 mins: Summer	0.01	0.8	6.996
FEH: 100 years: +45 %: 600 mins: Winter	0.01	0.5	7.020
FEH: 100 years: +45 %: 720 mins: Summer	0.01	0.7	7.314
FEH: 100 years: +45 %: 720 mins: Winter	0.01	0.4	7.338
FEH: 100 years: +45 %: 960 mins: Summer	0.01	0.5	7.896
FEH: 100 years: +45 %: 960 mins: Winter	0.01	0.3	7.878

FEH: 100 years: +45 %: 1440 mins: Summer	0.01	0.4	8.718
FEH: 100 years: +45 %: 1440 mins: Winter	0.01	0.3	8.808
FEH: 100 years: +45 %: 2160 mins: Summer	0.01	0.3	9.780
FEH: 100 years: +45 %: 2160 mins: Winter	0.01	0.2	9.678
FEH: 100 years: +45 %: 2880 mins: Summer	0.01	0.2	10.500
FEH: 100 years: +45 %: 2880 mins: Winter	0.01	0.2	10.602
FEH: 100 years: +45 %: 4320 mins: Summer	0.01	0.2	12.012

FEH: 100 years: +45 %: 4320 mins: Winter	0.01	0.1	11.760
FEH: 100 years: +45 %: 5760 mins: Summer	0.01	0.2	12.648
FEH: 100 years: +45 %: 5760 mins: Winter	0.01	0.1	12.990
FEH: 100 years: +45 %: 7200 mins: Summer	0.01	0.1	13.488
FEH: 100 years: +45 %: 7200 mins: Winter	0.01	0.1	13.476
FEH: 100 years: +45 %: 8640 mins: Summer	0.01	0.1	14.310
FEH: 100 years: +45 %: 8640 mins: Winter	0.01	0.1	14.304

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.01	0.1	15.246
FEH: 100 years: +45 %: 10080 mins: Winter	0.01	0.1	15.228

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Unit 5 Rooft to S13-5: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 100 years: +45 %: 15 mins: Summer	0.09	65.0	28.242
FEH: 100 years: +45 %: 15 mins: Winter	0.09	61.1	28.238
FEH: 100 years: +45 %: 30 mins: Summer	0.09	42.9	37.194
FEH: 100 years: +45 %: 30 mins: Winter	0.09	40.3	37.200
FEH: 100 years: +45 %: 60 mins: Summer	0.09	37.4	46.692
FEH: 100 years: +45 %: 60 mins: Winter	0.09	30.0	46.698

FEH: 100 years: +45 %: 120 mins: Summer	0.09	25.7	54.072
FEH: 100 years: +45 %: 120 mins: Winter	0.09	18.5	54.072
FEH: 100 years: +45 %: 180 mins: Summer	0.09	19.8	59.082
FEH: 100 years: +45 %: 180 mins: Winter	0.09	13.6	59.076
FEH: 100 years: +45 %: 240 mins: Summer	0.09	16.3	63.012
FEH: 100 years: +45 %: 240 mins: Winter	0.09	11.0	63.030
FEH: 100 years: +45 %: 360 mins: Summer	0.09	12.3	69.216
FEH: 100 years: +45 %: 360 mins: Winter	0.09	8.1	69.228

FEH: 100 years: +45 %: 480 mins: Summer	0.09	10.1	74.166
FEH: 100 years: +45 %: 480 mins: Winter	0.09	6.5	74.142
FEH: 100 years: +45 %: 600 mins: Summer	0.09	8.5	78.324
FEH: 100 years: +45 %: 600 mins: Winter	0.09	5.5	78.336
FEH: 100 years: +45 %: 720 mins: Summer	0.09	7.4	82.014
FEH: 100 years: +45 %: 720 mins: Winter	0.09	4.8	81.978
FEH: 100 years: +45 %: 960 mins: Summer	0.09	6.0	88.224
FEH: 100 years: +45 %: 960 mins: Winter	0.09	3.9	88.230

FEH: 100 years: +45 %: 1440 mins: Summer	0.09	4.4	98.070
FEH: 100 years: +45 %: 1440 mins: Winter	0.09	2.9	98.124
FEH: 100 years: +45 %: 2160 mins: Summer	0.09	3.3	109.164
FEH: 100 years: +45 %: 2160 mins: Winter	0.09	2.1	109.188
FEH: 100 years: +45 %: 2880 mins: Summer	0.09	2.7	118.044
FEH: 100 years: +45 %: 2880 mins: Winter	0.09	1.7	117.858
FEH: 100 years: +45 %: 4320 mins: Summer	0.09	2.0	131.874

FEH: 100 years: +45 %: 4320 mins: Winter	0.09	1.3	132.174
FEH: 100 years: +45 %: 5760 mins: Summer	0.09	1.6	143.550
FEH: 100 years: +45 %: 5760 mins: Winter	0.09	1.0	143.622
FEH: 100 years: +45 %: 7200 mins: Summer	0.09	1.4	153.960
FEH: 100 years: +45 %: 7200 mins: Winter	0.09	0.9	153.942
FEH: 100 years: +45 %: 8640 mins: Summer	0.09	1.2	163.500
FEH: 100 years: +45 %: 8640 mins: Winter	0.09	0.8	163.596

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.09	1.1	172.626
FEH: 100 years: +45 %: 10080 mins: Winter	0.09	0.7	172.848

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Unit 5 Roof To S07-5: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 100 years: +45 %: 15 mins: Summer	0.09	65.4	28.398
FEH: 100 years: +45 %: 15 mins: Winter	0.09	61.4	28.400
FEH: 100 years: +45 %: 30 mins: Summer	0.09	43.2	37.410
FEH: 100 years: +45 %: 30 mins: Winter	0.09	40.5	37.410
FEH: 100 years: +45 %: 60 mins: Summer	0.09	37.6	46.962
FEH: 100 years: +45 %: 60 mins: Winter	0.09	30.2	46.956

FEH: 100 years: +45 %: 120 mins: Summer	0.09	25.8	54.378
FEH: 100 years: +45 %: 120 mins: Winter	0.09	18.6	54.375
FEH: 100 years: +45 %: 180 mins: Summer	0.09	19.9	59.406
FEH: 100 years: +45 %: 180 mins: Winter	0.09	13.7	59.424
FEH: 100 years: +45 %: 240 mins: Summer	0.09	16.4	63.366
FEH: 100 years: +45 %: 240 mins: Winter	0.09	11.0	63.372
FEH: 100 years: +45 %: 360 mins: Summer	0.09	12.3	69.594
FEH: 100 years: +45 %: 360 mins: Winter	0.09	8.1	69.588

FEH: 100 years: +45 %: 480 mins: Summer	0.09	10.1	74.586
FEH: 100 years: +45 %: 480 mins: Winter	0.09	6.5	74.562
FEH: 100 years: +45 %: 600 mins: Summer	0.09	8.6	78.786
FEH: 100 years: +45 %: 600 mins: Winter	0.09	5.5	78.756
FEH: 100 years: +45 %: 720 mins: Summer	0.09	7.5	82.458
FEH: 100 years: +45 %: 720 mins: Winter	0.09	4.8	82.434
FEH: 100 years: +45 %: 960 mins: Summer	0.09	6.0	88.698
FEH: 100 years: +45 %: 960 mins: Winter	0.09	3.9	88.716

FEH: 100 years: +45 %: 1440 mins: Summer	0.09	4.5	98.676
FEH: 100 years: +45 %: 1440 mins: Winter	0.09	2.9	98.706
FEH: 100 years: +45 %: 2160 mins: Summer	0.09	3.3	109.746
FEH: 100 years: +45 %: 2160 mins: Winter	0.09	2.1	109.758
FEH: 100 years: +45 %: 2880 mins: Summer	0.09	2.7	118.662
FEH: 100 years: +45 %: 2880 mins: Winter	0.09	1.7	118.734
FEH: 100 years: +45 %: 4320 mins: Summer	0.09	2.0	132.684

FEH: 100 years: +45 %: 4320 mins: Winter	0.09	1.3	132.804
FEH: 100 years: +45 %: 5760 mins: Summer	0.09	1.6	144.204
FEH: 100 years: +45 %: 5760 mins: Winter	0.09	1.1	144.276
FEH: 100 years: +45 %: 7200 mins: Summer	0.09	1.4	154.578
FEH: 100 years: +45 %: 7200 mins: Winter	0.09	0.9	154.746
FEH: 100 years: +45 %: 8640 mins: Summer	0.09	1.2	164.232
FEH: 100 years: +45 %: 8640 mins: Winter	0.09	0.8	164.322

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.09	1.1	173.814
FEH: 100 years: +45 %: 10080 mins: Winter	0.09	0.7	173.808

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Unit 5 Roof to S06-5: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 100 years: +45 %: 15 mins: Summer	0.09	65.4	28.401
FEH: 100 years: +45 %: 15 mins: Winter	0.09	61.4	28.400
FEH: 100 years: +45 %: 30 mins: Summer	0.09	43.2	37.410
FEH: 100 years: +45 %: 30 mins: Winter	0.09	40.5	37.410
FEH: 100 years: +45 %: 60 mins: Summer	0.09	37.6	46.968
FEH: 100 years: +45 %: 60 mins: Winter	0.09	30.2	46.956

FEH: 100 years: +45 %: 120 mins: Summer	0.09	25.8	54.384
FEH: 100 years: +45 %: 120 mins: Winter	0.09	18.6	54.384
FEH: 100 years: +45 %: 180 mins: Summer	0.09	19.9	59.412
FEH: 100 years: +45 %: 180 mins: Winter	0.09	13.7	59.424
FEH: 100 years: +45 %: 240 mins: Summer	0.09	16.4	63.366
FEH: 100 years: +45 %: 240 mins: Winter	0.09	11.0	63.372
FEH: 100 years: +45 %: 360 mins: Summer	0.09	12.3	69.594
FEH: 100 years: +45 %: 360 mins: Winter	0.09	8.1	69.591

FEH: 100 years: +45 %: 480 mins: Summer	0.09	10.1	74.586
FEH: 100 years: +45 %: 480 mins: Winter	0.09	6.6	74.574
FEH: 100 years: +45 %: 600 mins: Summer	0.09	8.6	78.798
FEH: 100 years: +45 %: 600 mins: Winter	0.09	5.5	78.756
FEH: 100 years: +45 %: 720 mins: Summer	0.09	7.5	82.458
FEH: 100 years: +45 %: 720 mins: Winter	0.09	4.8	82.440
FEH: 100 years: +45 %: 960 mins: Summer	0.09	6.0	88.710
FEH: 100 years: +45 %: 960 mins: Winter	0.09	3.9	88.728

FEH: 100 years: +45 %: 1440 mins: Summer	0.09	4.5	98.688
FEH: 100 years: +45 %: 1440 mins: Winter	0.09	2.9	98.712
FEH: 100 years: +45 %: 2160 mins: Summer	0.09	3.3	109.752
FEH: 100 years: +45 %: 2160 mins: Winter	0.09	2.1	109.758
FEH: 100 years: +45 %: 2880 mins: Summer	0.09	2.7	118.662
FEH: 100 years: +45 %: 2880 mins: Winter	0.09	1.7	118.734
FEH: 100 years: +45 %: 4320 mins: Summer	0.09	2.0	132.684

FEH: 100 years: +45 %: 4320 mins: Winter	0.09	1.3	132.804
FEH: 100 years: +45 %: 5760 mins: Summer	0.09	1.6	144.204
FEH: 100 years: +45 %: 5760 mins: Winter	0.09	1.1	144.276
FEH: 100 years: +45 %: 7200 mins: Summer	0.09	1.4	154.662
FEH: 100 years: +45 %: 7200 mins: Winter	0.09	0.9	154.746
FEH: 100 years: +45 %: 8640 mins: Summer	0.09	1.2	164.232
FEH: 100 years: +45 %: 8640 mins: Winter	0.09	0.8	164.325

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.09	1.1	173.820
FEH: 100 years: +45 %: 10080 mins: Winter	0.09	0.7	173.808

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Unit 5 Roof to S12: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 200 years: +45 %: 15 mins: Summer	0.09	73.3	31.848
FEH: 200 years: +45 %: 15 mins: Winter	0.09	68.8	31.848
FEH: 200 years: +45 %: 30 mins: Summer	0.09	48.7	42.210
FEH: 200 years: +45 %: 30 mins: Winter	0.09	45.7	42.204
FEH: 200 years: +45 %: 60 mins: Summer	0.09	42.6	53.202
FEH: 200 years: +45 %: 60 mins: Winter	0.09	34.2	53.190

FEH: 200 years: +45 %: 120 mins: Summer	0.09	29.1	61.428
FEH: 200 years: +45 %: 120 mins: Winter	0.09	21.0	61.428
FEH: 200 years: +45 %: 180 mins: Summer	0.09	22.5	67.158
FEH: 200 years: +45 %: 180 mins: Winter	0.09	15.5	67.164
FEH: 200 years: +45 %: 240 mins: Summer	0.09	18.6	71.754
FEH: 200 years: +45 %: 240 mins: Winter	0.09	12.5	71.748
FEH: 200 years: +45 %: 360 mins: Summer	0.09	14.0	79.101
FEH: 200 years: +45 %: 360 mins: Winter	0.09	9.2	79.098

FEH: 200 years: +45 %: 480 mins: Summer	0.09	11.5	84.972
FEH: 200 years: +45 %: 480 mins: Winter	0.09	7.5	84.984
FEH: 200 years: +45 %: 600 mins: Summer	0.09	9.8	89.934
FEH: 200 years: +45 %: 600 mins: Winter	0.09	6.3	89.970
FEH: 200 years: +45 %: 720 mins: Summer	0.09	8.6	94.320
FEH: 200 years: +45 %: 720 mins: Winter	0.09	5.5	94.296
FEH: 200 years: +45 %: 960 mins: Summer	0.09	6.9	101.706
FEH: 200 years: +45 %: 960 mins: Winter	0.09	4.5	101.718

FEH: 200 years: +45 %: 1440 mins: Summer	0.09	5.1	113.208
FEH: 200 years: +45 %: 1440 mins: Winter	0.09	3.3	113.166
FEH: 200 years: +45 %: 2160 mins: Summer	0.09	3.8	125.754
FEH: 200 years: +45 %: 2160 mins: Winter	0.09	2.5	125.712
FEH: 200 years: +45 %: 2880 mins: Summer	0.09	3.1	135.396
FEH: 200 years: +45 %: 2880 mins: Winter	0.09	2.0	135.462
FEH: 200 years: +45 %: 4320 mins: Summer	0.09	2.3	150.396

FEH: 200 years: +45 %: 4320 mins: Winter	0.09	1.5	150.594
FEH: 200 years: +45 %: 5760 mins: Summer	0.09	1.9	162.780
FEH: 200 years: +45 %: 5760 mins: Winter	0.09	1.2	162.720
FEH: 200 years: +45 %: 7200 mins: Summer	0.09	1.6	173.244
FEH: 200 years: +45 %: 7200 mins: Winter	0.09	1.0	173.418
FEH: 200 years: +45 %: 8640 mins: Summer	0.09	1.4	183.612
FEH: 200 years: +45 %: 8640 mins: Winter	0.09	0.9	183.330

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Summer	0.09	1.3	192.696
FEH: 200 years: +45 %: 10080 mins: Winter	0.09	0.8	192.792

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Unit 05 Loading Area: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 200 years: +45 %: 15 mins: Summer	0.28	222.5	96.617
FEH: 200 years: +45 %: 15 mins: Winter	0.28	208.8	96.617
FEH: 200 years: +45 %: 30 mins: Summer	0.28	147.8	128.052
FEH: 200 years: +45 %: 30 mins: Winter	0.28	138.7	128.046
FEH: 200 years: +45 %: 60 mins: Summer	0.28	129.1	161.382
FEH: 200 years: +45 %: 60 mins: Winter	0.28	103.8	161.382

FEH: 200 years: +45 %: 120 mins: Summer	0.28	88.4	186.360
FEH: 200 years: +45 %: 120 mins: Winter	0.28	63.6	186.360
FEH: 200 years: +45 %: 180 mins: Summer	0.28	68.3	203.766
FEH: 200 years: +45 %: 180 mins: Winter	0.28	47.0	203.766
FEH: 200 years: +45 %: 240 mins: Summer	0.28	56.4	217.668
FEH: 200 years: +45 %: 240 mins: Winter	0.28	37.9	217.674
FEH: 200 years: +45 %: 360 mins: Summer	0.28	42.5	239.982
FEH: 200 years: +45 %: 360 mins: Winter	0.28	28.0	239.964

FEH: 200 years: +45 %: 480 mins: Summer	0.28	35.0	257.826
FEH: 200 years: +45 %: 480 mins: Winter	0.28	22.6	257.838
FEH: 200 years: +45 %: 600 mins: Summer	0.28	29.7	272.940
FEH: 200 years: +45 %: 600 mins: Winter	0.28	19.2	272.952
FEH: 200 years: +45 %: 720 mins: Summer	0.28	26.0	286.134
FEH: 200 years: +45 %: 720 mins: Winter	0.28	16.8	286.110
FEH: 200 years: +45 %: 960 mins: Summer	0.28	21.0	308.520
FEH: 200 years: +45 %: 960 mins: Winter	0.28	13.6	308.508

FEH: 200 years: +45 %: 1440 mins: Summer	0.28	15.6	343.470
FEH: 200 years: +45 %: 1440 mins: Winter	0.28	10.0	343.452
FEH: 200 years: +45 %: 2160 mins: Summer	0.28	11.5	381.462
FEH: 200 years: +45 %: 2160 mins: Winter	0.28	7.4	381.570
FEH: 200 years: +45 %: 2880 mins: Summer	0.28	9.3	410.988
FEH: 200 years: +45 %: 2880 mins: Winter	0.28	6.0	411.042
FEH: 200 years: +45 %: 4320 mins: Summer	0.28	6.9	456.702

FEH: 200 years: +45 %: 4320 mins: Winter	0.28	4.5	456.732
FEH: 200 years: +45 %: 5760 mins: Summer	0.28	5.6	493.656
FEH: 200 years: +45 %: 5760 mins: Winter	0.28	3.6	493.926
FEH: 200 years: +45 %: 7200 mins: Summer	0.28	4.8	526.362
FEH: 200 years: +45 %: 7200 mins: Winter	0.28	3.1	526.110
FEH: 200 years: +45 %: 8640 mins: Summer	0.28	4.2	556.350
FEH: 200 years: +45 %: 8640 mins: Winter	0.28	2.7	556.734

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Summer	0.28	3.8	585.054
FEH: 200 years: +45 %: 10080 mins: Winter	0.28	2.5	584.640

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Access Road Unit 05: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 200 years: +45 %: 15 mins: Summer	0.03	23.4	10.155
FEH: 200 years: +45 %: 15 mins: Winter	0.03	22.0	10.155
FEH: 200 years: +45 %: 30 mins: Summer	0.03	15.5	13.464
FEH: 200 years: +45 %: 30 mins: Winter	0.03	14.6	13.458
FEH: 200 years: +45 %: 60 mins: Summer	0.03	13.6	16.974
FEH: 200 years: +45 %: 60 mins: Winter	0.03	10.9	16.974

FEH: 200 years: +45 %: 120 mins: Summer	0.03	9.3	19.596
FEH: 200 years: +45 %: 120 mins: Winter	0.03	6.7	19.596
FEH: 200 years: +45 %: 180 mins: Summer	0.03	7.2	21.420
FEH: 200 years: +45 %: 180 mins: Winter	0.03	4.9	21.420
FEH: 200 years: +45 %: 240 mins: Summer	0.03	5.9	22.890
FEH: 200 years: +45 %: 240 mins: Winter	0.03	4.0	22.890
FEH: 200 years: +45 %: 360 mins: Summer	0.03	4.5	25.242
FEH: 200 years: +45 %: 360 mins: Winter	0.03	2.9	25.224

FEH: 200 years: +45 %: 480 mins: Summer	0.03	3.7	27.090
FEH: 200 years: +45 %: 480 mins: Winter	0.03	2.4	27.108
FEH: 200 years: +45 %: 600 mins: Summer	0.03	3.1	28.680
FEH: 200 years: +45 %: 600 mins: Winter	0.03	2.0	28.698
FEH: 200 years: +45 %: 720 mins: Summer	0.03	2.7	30.078
FEH: 200 years: +45 %: 720 mins: Winter	0.03	1.8	30.066
FEH: 200 years: +45 %: 960 mins: Summer	0.03	2.2	32.454
FEH: 200 years: +45 %: 960 mins: Winter	0.03	1.4	32.424

FEH: 200 years: +45 %: 1440 mins: Summer	0.03	1.6	36.096
FEH: 200 years: +45 %: 1440 mins: Winter	0.03	1.1	36.084
FEH: 200 years: +45 %: 2160 mins: Summer	0.03	1.2	40.128
FEH: 200 years: +45 %: 2160 mins: Winter	0.03	0.8	40.164
FEH: 200 years: +45 %: 2880 mins: Summer	0.03	1.0	43.398
FEH: 200 years: +45 %: 2880 mins: Winter	0.03	0.6	43.128
FEH: 200 years: +45 %: 4320 mins: Summer	0.03	0.7	47.934

FEH: 200 years: +45 %: 4320 mins: Winter	0.03	0.5	47.946
FEH: 200 years: +45 %: 5760 mins: Summer	0.03	0.6	51.966
FEH: 200 years: +45 %: 5760 mins: Winter	0.03	0.4	51.912
FEH: 200 years: +45 %: 7200 mins: Summer	0.03	0.5	55.302
FEH: 200 years: +45 %: 7200 mins: Winter	0.03	0.3	55.464
FEH: 200 years: +45 %: 8640 mins: Summer	0.03	0.4	58.368
FEH: 200 years: +45 %: 8640 mins: Winter	0.03	0.3	58.482

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Summer	0.03	0.4	61.218
FEH: 200 years: +45 %: 10080 mins: Winter	0.03	0.3	61.698

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Car -Park Unit 05: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 200 years: +45 %: 15 mins: Summer	0.12	95.1	41.286
FEH: 200 years: +45 %: 15 mins: Winter	0.12	89.2	41.286
FEH: 200 years: +45 %: 30 mins: Summer	0.12	63.2	54.714
FEH: 200 years: +45 %: 30 mins: Winter	0.12	59.3	54.714
FEH: 200 years: +45 %: 60 mins: Summer	0.12	55.2	68.964
FEH: 200 years: +45 %: 60 mins: Winter	0.12	44.4	68.964

FEH: 200 years: +45 %: 120 mins: Summer	0.12	37.8	79.626
FEH: 200 years: +45 %: 120 mins: Winter	0.12	27.2	79.644
FEH: 200 years: +45 %: 180 mins: Summer	0.12	29.2	87.072
FEH: 200 years: +45 %: 180 mins: Winter	0.12	20.1	87.078
FEH: 200 years: +45 %: 240 mins: Summer	0.12	24.1	93.015
FEH: 200 years: +45 %: 240 mins: Winter	0.12	16.2	93.018
FEH: 200 years: +45 %: 360 mins: Summer	0.12	18.2	102.540
FEH: 200 years: +45 %: 360 mins: Winter	0.12	12.0	102.552

FEH: 200 years: +45 %: 480 mins: Summer	0.12	14.9	110.172
FEH: 200 years: +45 %: 480 mins: Winter	0.12	9.7	110.178
FEH: 200 years: +45 %: 600 mins: Summer	0.12	12.7	116.616
FEH: 200 years: +45 %: 600 mins: Winter	0.12	8.2	116.622
FEH: 200 years: +45 %: 720 mins: Summer	0.12	11.1	122.256
FEH: 200 years: +45 %: 720 mins: Winter	0.12	7.2	122.274
FEH: 200 years: +45 %: 960 mins: Summer	0.12	9.0	131.838
FEH: 200 years: +45 %: 960 mins: Winter	0.12	5.8	131.856

FEH: 200 years: +45 %: 1440 mins: Summer	0.12	6.7	146.790
FEH: 200 years: +45 %: 1440 mins: Winter	0.12	4.3	146.826
FEH: 200 years: +45 %: 2160 mins: Summer	0.12	4.9	163.134
FEH: 200 years: +45 %: 2160 mins: Winter	0.12	3.2	162.978
FEH: 200 years: +45 %: 2880 mins: Summer	0.12	4.0	175.860
FEH: 200 years: +45 %: 2880 mins: Winter	0.12	2.6	175.704
FEH: 200 years: +45 %: 4320 mins: Summer	0.12	3.0	195.270

FEH: 200 years: +45 %: 4320 mins: Winter	0.12	1.9	195.186
FEH: 200 years: +45 %: 5760 mins: Summer	0.12	2.4	210.966
FEH: 200 years: +45 %: 5760 mins: Winter	0.12	1.5	211.194
FEH: 200 years: +45 %: 7200 mins: Summer	0.12	2.0	224.898
FEH: 200 years: +45 %: 7200 mins: Winter	0.12	1.3	224.988
FEH: 200 years: +45 %: 8640 mins: Summer	0.12	1.8	237.828
FEH: 200 years: +45 %: 8640 mins: Winter	0.12	1.2	237.720

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Summer	0.12	1.6	249.792
FEH: 200 years: +45 %: 10080 mins: Winter	0.12	1.0	249.468

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Unit 05 Rear Foot path: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 200 years: +45 %: 15 mins: Summer	0.01	11.5	5.013
FEH: 200 years: +45 %: 15 mins: Winter	0.01	10.8	5.010
FEH: 200 years: +45 %: 30 mins: Summer	0.01	7.7	6.642
FEH: 200 years: +45 %: 30 mins: Winter	0.01	7.2	6.636
FEH: 200 years: +45 %: 60 mins: Summer	0.01	6.7	8.364
FEH: 200 years: +45 %: 60 mins: Winter	0.01	5.4	8.364

FEH: 200 years: +45 %: 120 mins: Summer	0.01	4.6	9.660
FEH: 200 years: +45 %: 120 mins: Winter	0.01	3.3	9.660
FEH: 200 years: +45 %: 180 mins: Summer	0.01	3.5	10.572
FEH: 200 years: +45 %: 180 mins: Winter	0.01	2.4	10.578
FEH: 200 years: +45 %: 240 mins: Summer	0.01	2.9	11.274
FEH: 200 years: +45 %: 240 mins: Winter	0.01	2.0	11.286
FEH: 200 years: +45 %: 360 mins: Summer	0.01	2.2	12.456
FEH: 200 years: +45 %: 360 mins: Winter	0.01	1.4	12.450

FEH: 200 years: +45 %: 480 mins: Summer	0.01	1.8	13.362
FEH: 200 years: +45 %: 480 mins: Winter	0.01	1.2	13.374
FEH: 200 years: +45 %: 600 mins: Summer	0.01	1.5	14.154
FEH: 200 years: +45 %: 600 mins: Winter	0.01	1.0	14.166
FEH: 200 years: +45 %: 720 mins: Summer	0.01	1.4	14.850
FEH: 200 years: +45 %: 720 mins: Winter	0.01	0.9	14.808
FEH: 200 years: +45 %: 960 mins: Summer	0.01	1.1	15.972
FEH: 200 years: +45 %: 960 mins: Winter	0.01	0.7	15.972

FEH: 200 years: +45 %: 1440 mins: Summer	0.01	0.8	17.826
FEH: 200 years: +45 %: 1440 mins: Winter	0.01	0.5	17.808
FEH: 200 years: +45 %: 2160 mins: Summer	0.01	0.6	19.782
FEH: 200 years: +45 %: 2160 mins: Winter	0.01	0.4	19.824
FEH: 200 years: +45 %: 2880 mins: Summer	0.01	0.5	21.270
FEH: 200 years: +45 %: 2880 mins: Winter	0.01	0.3	21.246
FEH: 200 years: +45 %: 4320 mins: Summer	0.01	0.4	23.598

FEH: 200 years: +45 %: 4320 mins: Winter	0.01	0.2	23.556
FEH: 200 years: +45 %: 5760 mins: Summer	0.01	0.3	25.710
FEH: 200 years: +45 %: 5760 mins: Winter	0.01	0.2	25.440
FEH: 200 years: +45 %: 7200 mins: Summer	0.01	0.3	27.270
FEH: 200 years: +45 %: 7200 mins: Winter	0.01	0.2	27.474
FEH: 200 years: +45 %: 8640 mins: Summer	0.01	0.2	28.926
FEH: 200 years: +45 %: 8640 mins: Winter	0.01	0.1	28.620

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Summer	0.01	0.2	30.714
FEH: 200 years: +45 %: 10080 mins: Winter	0.01	0.1	29.886

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Unit 05 Dock: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 200 years: +45 %: 15 mins: Summer	0.01	11.3	4.911
FEH: 200 years: +45 %: 15 mins: Winter	0.01	10.6	4.908
FEH: 200 years: +45 %: 30 mins: Summer	0.01	7.5	6.504
FEH: 200 years: +45 %: 30 mins: Winter	0.01	7.1	6.504
FEH: 200 years: +45 %: 60 mins: Summer	0.01	6.6	8.196
FEH: 200 years: +45 %: 60 mins: Winter	0.01	5.3	8.202

FEH: 200 years: +45 %: 120 mins: Summer	0.01	4.5	9.468
FEH: 200 years: +45 %: 120 mins: Winter	0.01	3.2	9.480
FEH: 200 years: +45 %: 180 mins: Summer	0.01	3.5	10.362
FEH: 200 years: +45 %: 180 mins: Winter	0.01	2.4	10.362
FEH: 200 years: +45 %: 240 mins: Summer	0.01	2.9	11.058
FEH: 200 years: +45 %: 240 mins: Winter	0.01	1.9	11.064
FEH: 200 years: +45 %: 360 mins: Summer	0.01	2.2	12.186
FEH: 200 years: +45 %: 360 mins: Winter	0.01	1.4	12.192

FEH: 200 years: +45 %: 480 mins: Summer	0.01	1.8	13.110
FEH: 200 years: +45 %: 480 mins: Winter	0.01	1.1	13.098
FEH: 200 years: +45 %: 600 mins: Summer	0.01	1.5	13.872
FEH: 200 years: +45 %: 600 mins: Winter	0.01	1.0	13.830
FEH: 200 years: +45 %: 720 mins: Summer	0.01	1.3	14.526
FEH: 200 years: +45 %: 720 mins: Winter	0.01	0.9	14.532
FEH: 200 years: +45 %: 960 mins: Summer	0.01	1.1	15.690
FEH: 200 years: +45 %: 960 mins: Winter	0.01	0.7	15.660

FEH: 200 years: +45 %: 1440 mins: Summer	0.01	0.8	17.424
FEH: 200 years: +45 %: 1440 mins: Winter	0.01	0.5	17.442
FEH: 200 years: +45 %: 2160 mins: Summer	0.01	0.6	19.416
FEH: 200 years: +45 %: 2160 mins: Winter	0.01	0.4	19.410
FEH: 200 years: +45 %: 2880 mins: Summer	0.01	0.5	20.808
FEH: 200 years: +45 %: 2880 mins: Winter	0.01	0.3	20.832
FEH: 200 years: +45 %: 4320 mins: Summer	0.01	0.3	23.118

FEH: 200 years: +45 %: 4320 mins: Winter	0.01	0.2	23.232
FEH: 200 years: +45 %: 5760 mins: Summer	0.01	0.3	25.146
FEH: 200 years: +45 %: 5760 mins: Winter	0.01	0.2	24.822
FEH: 200 years: +45 %: 7200 mins: Summer	0.01	0.2	26.532
FEH: 200 years: +45 %: 7200 mins: Winter	0.01	0.2	26.880
FEH: 200 years: +45 %: 8640 mins: Summer	0.01	0.2	28.098
FEH: 200 years: +45 %: 8640 mins: Winter	0.01	0.1	28.086

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Summer	0.01	0.2	29.886
FEH: 200 years: +45 %: 10080 mins: Winter	0.01	0.1	29.394

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Side Footpath Unit 05: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 200 years: +45 %: 15 mins: Summer	0.01	6.5	2.829
FEH: 200 years: +45 %: 15 mins: Winter	0.01	6.1	2.829
FEH: 200 years: +45 %: 30 mins: Summer	0.01	4.3	3.750
FEH: 200 years: +45 %: 30 mins: Winter	0.01	4.1	3.750
FEH: 200 years: +45 %: 60 mins: Summer	0.01	3.8	4.728
FEH: 200 years: +45 %: 60 mins: Winter	0.01	3.0	4.728

FEH: 200 years: +45 %: 120 mins: Summer	0.01	2.6	5.460
FEH: 200 years: +45 %: 120 mins: Winter	0.01	1.9	5.460
FEH: 200 years: +45 %: 180 mins: Summer	0.01	2.0	5.964
FEH: 200 years: +45 %: 180 mins: Winter	0.01	1.4	5.964
FEH: 200 years: +45 %: 240 mins: Summer	0.01	1.6	6.372
FEH: 200 years: +45 %: 240 mins: Winter	0.01	1.1	6.384
FEH: 200 years: +45 %: 360 mins: Summer	0.01	1.2	7.026
FEH: 200 years: +45 %: 360 mins: Winter	0.01	0.8	7.032

FEH: 200 years: +45 %: 480 mins: Summer	0.01	1.0	7.548
FEH: 200 years: +45 %: 480 mins: Winter	0.01	0.7	7.548
FEH: 200 years: +45 %: 600 mins: Summer	0.01	0.9	7.986
FEH: 200 years: +45 %: 600 mins: Winter	0.01	0.6	7.992
FEH: 200 years: +45 %: 720 mins: Summer	0.01	0.8	8.376
FEH: 200 years: +45 %: 720 mins: Winter	0.01	0.5	8.394
FEH: 200 years: +45 %: 960 mins: Summer	0.01	0.6	9.006
FEH: 200 years: +45 %: 960 mins: Winter	0.01	0.4	9.018

FEH: 200 years: +45 %: 1440 mins: Summer	0.01	0.5	10.068
FEH: 200 years: +45 %: 1440 mins: Winter	0.01	0.3	9.996
FEH: 200 years: +45 %: 2160 mins: Summer	0.01	0.3	11.202
FEH: 200 years: +45 %: 2160 mins: Winter	0.01	0.2	11.220
FEH: 200 years: +45 %: 2880 mins: Summer	0.01	0.3	12.024
FEH: 200 years: +45 %: 2880 mins: Winter	0.01	0.2	12.030
FEH: 200 years: +45 %: 4320 mins: Summer	0.01	0.2	13.470

FEH: 200 years: +45 %: 4320 mins: Winter	0.01	0.1	13.314
FEH: 200 years: +45 %: 5760 mins: Summer	0.01	0.2	14.580
FEH: 200 years: +45 %: 5760 mins: Winter	0.01	0.1	14.586
FEH: 200 years: +45 %: 7200 mins: Summer	0.01	0.1	15.204
FEH: 200 years: +45 %: 7200 mins: Winter	0.01	0.1	15.732
FEH: 200 years: +45 %: 8640 mins: Summer	0.01	0.1	15.978
FEH: 200 years: +45 %: 8640 mins: Winter	0.01	0.1	16.074

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Summer	0.01	0.1	16.698
FEH: 200 years: +45 %: 10080 mins: Winter	0.01	0.1	16.698

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Unit 5 Rooft to S13-5: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 200 years: +45 %: 15 mins: Summer	0.09	72.9	31.659
FEH: 200 years: +45 %: 15 mins: Winter	0.09	68.4	31.662
FEH: 200 years: +45 %: 30 mins: Summer	0.09	48.4	41.958
FEH: 200 years: +45 %: 30 mins: Winter	0.09	45.5	41.964
FEH: 200 years: +45 %: 60 mins: Summer	0.09	42.3	52.890
FEH: 200 years: +45 %: 60 mins: Winter	0.09	34.0	52.884

FEH: 200 years: +45 %: 120 mins: Summer	0.09	29.0	61.074
FEH: 200 years: +45 %: 120 mins: Winter	0.09	20.9	61.080
FEH: 200 years: +45 %: 180 mins: Summer	0.09	22.4	66.762
FEH: 200 years: +45 %: 180 mins: Winter	0.09	15.4	66.774
FEH: 200 years: +45 %: 240 mins: Summer	0.09	18.5	71.328
FEH: 200 years: +45 %: 240 mins: Winter	0.09	12.4	71.322
FEH: 200 years: +45 %: 360 mins: Summer	0.09	13.9	78.630
FEH: 200 years: +45 %: 360 mins: Winter	0.09	9.2	78.612

FEH: 200 years: +45 %: 480 mins: Summer	0.09	11.5	84.474
FEH: 200 years: +45 %: 480 mins: Winter	0.09	7.4	84.486
FEH: 200 years: +45 %: 600 mins: Summer	0.09	9.7	89.418
FEH: 200 years: +45 %: 600 mins: Winter	0.09	6.3	89.436
FEH: 200 years: +45 %: 720 mins: Summer	0.09	8.5	93.762
FEH: 200 years: +45 %: 720 mins: Winter	0.09	5.5	93.750
FEH: 200 years: +45 %: 960 mins: Summer	0.09	6.9	101.082
FEH: 200 years: +45 %: 960 mins: Winter	0.09	4.4	101.106

FEH: 200 years: +45 %: 1440 mins: Summer	0.09	5.1	112.569
FEH: 200 years: +45 %: 1440 mins: Winter	0.09	3.3	112.512
FEH: 200 years: +45 %: 2160 mins: Summer	0.09	3.8	125.052
FEH: 200 years: +45 %: 2160 mins: Winter	0.09	2.4	125.076
FEH: 200 years: +45 %: 2880 mins: Summer	0.09	3.1	134.736
FEH: 200 years: +45 %: 2880 mins: Winter	0.09	2.0	134.736
FEH: 200 years: +45 %: 4320 mins: Summer	0.09	2.3	149.616

FEH: 200 years: +45 %: 4320 mins: Winter	0.09	1.5	149.712
FEH: 200 years: +45 %: 5760 mins: Summer	0.09	1.8	161.814
FEH: 200 years: +45 %: 5760 mins: Winter	0.09	1.2	161.904
FEH: 200 years: +45 %: 7200 mins: Summer	0.09	1.6	172.542
FEH: 200 years: +45 %: 7200 mins: Winter	0.09	1.0	172.626
FEH: 200 years: +45 %: 8640 mins: Summer	0.09	1.4	182.058
FEH: 200 years: +45 %: 8640 mins: Winter	0.09	0.9	182.772

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Summer	0.09	1.2	191.484
FEH: 200 years: +45 %: 10080 mins: Winter	0.09	0.8	191.598

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Unit 5 Roof To S07-5: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 200 years: +45 %: 15 mins: Summer	0.09	73.3	31.836
FEH: 200 years: +45 %: 15 mins: Winter	0.09	68.8	31.836
FEH: 200 years: +45 %: 30 mins: Summer	0.09	48.7	42.192
FEH: 200 years: +45 %: 30 mins: Winter	0.09	45.7	42.192
FEH: 200 years: +45 %: 60 mins: Summer	0.09	42.6	53.172
FEH: 200 years: +45 %: 60 mins: Winter	0.09	34.2	53.172

FEH: 200 years: +45 %: 120 mins: Summer	0.09	29.1	61.416
FEH: 200 years: +45 %: 120 mins: Winter	0.09	21.0	61.410
FEH: 200 years: +45 %: 180 mins: Summer	0.09	22.5	67.158
FEH: 200 years: +45 %: 180 mins: Winter	0.09	15.5	67.146
FEH: 200 years: +45 %: 240 mins: Summer	0.09	18.6	71.730
FEH: 200 years: +45 %: 240 mins: Winter	0.09	12.5	71.736
FEH: 200 years: +45 %: 360 mins: Summer	0.09	14.0	79.080
FEH: 200 years: +45 %: 360 mins: Winter	0.09	9.2	79.074

FEH: 200 years: +45 %: 480 mins: Summer	0.09	11.5	84.960
FEH: 200 years: +45 %: 480 mins: Winter	0.09	7.5	84.960
FEH: 200 years: +45 %: 600 mins: Summer	0.09	9.8	89.904
FEH: 200 years: +45 %: 600 mins: Winter	0.09	6.3	89.934
FEH: 200 years: +45 %: 720 mins: Summer	0.09	8.6	94.284
FEH: 200 years: +45 %: 720 mins: Winter	0.09	5.5	94.278
FEH: 200 years: +45 %: 960 mins: Summer	0.09	6.9	101.676
FEH: 200 years: +45 %: 960 mins: Winter	0.09	4.5	101.694

FEH: 200 years: +45 %: 1440 mins: Summer	0.09	5.1	113.166
FEH: 200 years: +45 %: 1440 mins: Winter	0.09	3.3	113.142
FEH: 200 years: +45 %: 2160 mins: Summer	0.09	3.8	125.718
FEH: 200 years: +45 %: 2160 mins: Winter	0.09	2.5	125.670
FEH: 200 years: +45 %: 2880 mins: Summer	0.09	3.1	135.396
FEH: 200 years: +45 %: 2880 mins: Winter	0.09	2.0	135.408
FEH: 200 years: +45 %: 4320 mins: Summer	0.09	2.3	150.390

FEH: 200 years: +45 %: 4320 mins: Winter	0.09	1.5	150.594
FEH: 200 years: +45 %: 5760 mins: Summer	0.09	1.9	162.774
FEH: 200 years: +45 %: 5760 mins: Winter	0.09	1.2	162.660
FEH: 200 years: +45 %: 7200 mins: Summer	0.09	1.6	173.244
FEH: 200 years: +45 %: 7200 mins: Winter	0.09	1.0	173.334
FEH: 200 years: +45 %: 8640 mins: Summer	0.09	1.4	183.318
FEH: 200 years: +45 %: 8640 mins: Winter	0.09	0.9	183.324

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Summer	0.09	1.3	192.696
FEH: 200 years: +45 %: 10080 mins: Winter	0.09	0.8	192.564

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Unit 5 Roof to S06-5: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 200 years: +45 %: 15 mins: Summer	0.09	73.3	31.839
FEH: 200 years: +45 %: 15 mins: Winter	0.09	68.8	31.839
FEH: 200 years: +45 %: 30 mins: Summer	0.09	48.7	42.192
FEH: 200 years: +45 %: 30 mins: Winter	0.09	45.7	42.192
FEH: 200 years: +45 %: 60 mins: Summer	0.09	42.6	53.178
FEH: 200 years: +45 %: 60 mins: Winter	0.09	34.2	53.172

FEH: 200 years: +45 %: 120 mins: Summer	0.09	29.1	61.416
FEH: 200 years: +45 %: 120 mins: Winter	0.09	21.0	61.422
FEH: 200 years: +45 %: 180 mins: Summer	0.09	22.5	67.158
FEH: 200 years: +45 %: 180 mins: Winter	0.09	15.5	67.146
FEH: 200 years: +45 %: 240 mins: Summer	0.09	18.6	71.730
FEH: 200 years: +45 %: 240 mins: Winter	0.09	12.5	71.736
FEH: 200 years: +45 %: 360 mins: Summer	0.09	14.0	79.086
FEH: 200 years: +45 %: 360 mins: Winter	0.09	9.2	79.086

FEH: 200 years: +45 %: 480 mins: Summer	0.09	11.5	84.960
FEH: 200 years: +45 %: 480 mins: Winter	0.09	7.5	84.966
FEH: 200 years: +45 %: 600 mins: Summer	0.09	9.8	89.910
FEH: 200 years: +45 %: 600 mins: Winter	0.09	6.3	89.934
FEH: 200 years: +45 %: 720 mins: Summer	0.09	8.6	94.290
FEH: 200 years: +45 %: 720 mins: Winter	0.09	5.5	94.284
FEH: 200 years: +45 %: 960 mins: Summer	0.09	6.9	101.682
FEH: 200 years: +45 %: 960 mins: Winter	0.09	4.5	101.694

FEH: 200 years: +45 %: 1440 mins: Summer	0.09	5.1	113.190
FEH: 200 years: +45 %: 1440 mins: Winter	0.09	3.3	113.142
FEH: 200 years: +45 %: 2160 mins: Summer	0.09	3.8	125.724
FEH: 200 years: +45 %: 2160 mins: Winter	0.09	2.5	125.706
FEH: 200 years: +45 %: 2880 mins: Summer	0.09	3.1	135.396
FEH: 200 years: +45 %: 2880 mins: Winter	0.09	2.0	135.408
FEH: 200 years: +45 %: 4320 mins: Summer	0.09	2.3	150.390

FEH: 200 years: +45 %: 4320 mins: Winter	0.09	1.5	150.594
FEH: 200 years: +45 %: 5760 mins: Summer	0.09	1.9	162.774
FEH: 200 years: +45 %: 5760 mins: Winter	0.09	1.2	162.660
FEH: 200 years: +45 %: 7200 mins: Summer	0.09	1.6	173.244
FEH: 200 years: +45 %: 7200 mins: Winter	0.09	1.0	173.418
FEH: 200 years: +45 %: 8640 mins: Summer	0.09	1.4	183.324
FEH: 200 years: +45 %: 8640 mins: Winter	0.09	0.9	183.324

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Summer	0.09	1.3	192.696
FEH: 200 years: +45 %: 10080 mins: Winter	0.09	0.8	192.564

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Unit 5 Roof to S12: Rank By: Max. Inflow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Unit 05 Loading Area: Rank By: Max. Inflow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Access Road Unit 05: Rank By: Max. Inflow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Car-Park Unit 05: Rank By: Max. Inflow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Unit 05 Rear Foot path: Rank By: Max. Inflow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Unit 05 Dock: Rank By: Max. Inflow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Side Footpath Unit 05: Rank By: Max. Inflow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Unit 5 Rooft to S13-5: Rank By: Max. Inflow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Unit 5 Roof To S07-5: Rank By: Max. Inflow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Inflows Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Unit 5 Roof to S06-5: Rank By: Max. Inflow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S01-5: Rank By: Max. Depth

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
FEH: 2 years: +0 %: 15 mins: Summer	28.623	26.989	27.051	0.062	7.9	0.071	0.000	1.7	1.596	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.623	26.989	27.041	0.052	6.2	0.059	0.000	1.6	1.467	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.623	26.989	27.020	0.031	1.8	0.036	0.000	1.8	1.529	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.623	26.989	27.020	0.031	1.7	0.035	0.000	1.7	1.536	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.623	26.989	27.018	0.029	1.5	0.033	0.000	1.5	1.913	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.623	26.989	27.016	0.027	1.2	0.030	0.000	1.2	1.921	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.623	26.989	27.015	0.026	1.2	0.029	0.000	1.2	2.476	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.623	26.989	27.011	0.022	0.8	0.025	0.000	0.8	2.477	OK

FEH: 2 years: +0 %: 180 mins: Summer	28.623	26.989	27.013	0.024	1.0	0.027	0.000	1.0	2.861	OK
FEH: 2 years: +0 %: 180 mins: Winter	28.623	26.989	27.009	0.020	0.7	0.022	0.000	0.7	2.856	OK
FEH: 2 years: +0 %: 240 mins: Summer	28.623	26.989	27.011	0.022	0.8	0.025	0.000	0.8	3.138	OK
FEH: 2 years: +0 %: 240 mins: Winter	28.623	26.989	27.007	0.018	0.5	0.021	0.000	0.5	3.133	OK
FEH: 2 years: +0 %: 360 mins: Summer	28.623	26.989	27.008	0.019	0.6	0.022	0.000	0.6	3.559	OK
FEH: 2 years: +0 %: 360 mins: Winter	28.623	26.989	27.005	0.016	0.4	0.018	0.000	0.4	3.560	OK
FEH: 2 years: +0 %: 480 mins: Summer	28.623	26.989	27.007	0.018	0.5	0.020	0.000	0.5	3.895	OK
FEH: 2 years: +0 %: 480 mins: Winter	28.623	26.989	27.004	0.015	0.3	0.016	0.000	0.3	3.878	OK
FEH: 2 years: +0 %: 600 mins: Summer	28.623	26.989	27.006	0.017	0.4	0.019	0.000	0.4	4.160	OK
FEH: 2 years: +0 %: 600 mins: Winter	28.623	26.989	27.003	0.014	0.3	0.015	0.000	0.3	4.161	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 720 mins: Summer	28.623	26.989	27.005	0.016	0.4	0.018	0.000	0.4	4.394	OK
FEH: 2 years: +0 %: 720 mins: Winter	28.623	26.989	27.002	0.013	0.3	0.015	0.000	0.3	4.437	OK
FEH: 2 years: +0 %: 960 mins: Summer	28.623	26.989	27.003	0.014	0.3	0.016	0.000	0.3	4.808	OK
FEH: 2 years: +0 %: 960 mins: Winter	28.623	26.989	27.001	0.012	0.2	0.013	0.000	0.2	4.815	OK
FEH: 2 years: +0 %: 1440 mins: Summer	28.623	26.989	27.002	0.013	0.3	0.014	0.000	0.2	5.421	OK
FEH: 2 years: +0 %: 1440 mins: Winter	28.623	26.989	26.999	0.010	0.2	0.011	0.000	0.2	5.470	OK
FEH: 2 years: +0 %: 2160 mins: Summer	28.623	26.989	27.000	0.011	0.2	0.013	0.000	0.2	6.249	OK
FEH: 2 years: +0 %: 2160 mins: Winter	28.623	26.989	26.997	0.008	0.1	0.010	0.000	0.1	6.154	OK
FEH: 2 years: +0 %: 2880 mins: Summer	28.623	26.989	26.999	0.010	0.2	0.011	0.000	0.1	6.688	OK
FEH: 2 years: +0 %: 2880 mins: Winter	28.623	26.989	26.997	0.008	0.1	0.009	0.000	0.1	6.880	OK

FEH: 2 years: +0 %: 4320 mins: Summer	28.623	26.989	26.997	0.008	0.1	0.010	0.000	0.1	7.720	OK
FEH: 2 years: +0 %: 4320 mins: Winter	28.623	26.989	26.996	0.007	0.1	0.007	0.000	0.1	7.523	OK
FEH: 2 years: +0 %: 5760 mins: Summer	28.623	26.989	26.997	0.008	0.1	0.009	0.000	0.1	8.644	OK
FEH: 2 years: +0 %: 5760 mins: Winter	28.623	26.989	26.995	0.006	0.1	0.007	0.000	0.1	8.501	OK
FEH: 2 years: +0 %: 7200 mins: Summer	28.623	26.989	26.996	0.007	0.1	0.008	0.000	0.1	9.670	OK
FEH: 2 years: +0 %: 7200 mins: Winter	28.623	26.989	26.995	0.006	0.1	0.007	0.000	0.1	9.413	OK
FEH: 2 years: +0 %: 8640 mins: Summer	28.623	26.989	26.996	0.007	0.1	0.007	0.000	0.1	10.582	OK
FEH: 2 years: +0 %: 8640 mins: Winter	28.623	26.989	26.995	0.006	0.1	0.006	0.000	0.1	10.469	OK
FEH: 2 years: +0 %: 10080 mins: Summer	28.623	26.989	26.995	0.006	0.1	0.007	0.000	0.1	11.620	OK
FEH: 2 years: +0 %: 10080 mins: Winter	28.623	26.989	26.995	0.006	0.1	0.006	0.000	0.1	11.249	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S03 - 5: Rank By: Max. Depth

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
FEH: 2 years: +0 %: 15 mins: Summer	28.792	26.748	27.032	0.284	73.8	0.321	0.000	71.8	37.705	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.792	26.748	27.022	0.274	71.0	0.310	0.000	69.1	37.699	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.792	26.748	26.980	0.232	55.8	0.262	0.000	55.8	48.385	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.792	26.748	26.969	0.221	52.4	0.250	0.000	52.4	48.392	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.792	26.748	26.956	0.208	48.0	0.235	0.000	48.0	60.037	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.792	26.748	26.927	0.179	38.6	0.203	0.000	38.6	60.049	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.792	26.748	26.921	0.173	36.8	0.196	0.000	36.8	77.540	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.792	26.748	26.889	0.141	26.5	0.160	0.000	26.5	77.521	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 180 mins: Summer	28.792	26.748	26.900	0.152	29.8	0.172	0.000	29.8	89.006	OK
FEH: 2 years: +0 %: 180 mins: Winter	28.792	26.748	26.869	0.121	20.5	0.137	0.000	20.5	88.982	OK
FEH: 2 years: +0 %: 240 mins: Summer	28.792	26.748	26.885	0.137	25.3	0.155	0.000	25.3	97.742	OK
FEH: 2 years: +0 %: 240 mins: Winter	28.792	26.748	26.857	0.109	17.0	0.123	0.000	17.0	97.718	OK
FEH: 2 years: +0 %: 360 mins: Summer	28.792	26.748	26.866	0.118	19.7	0.134	0.000	19.7	111.038	OK
FEH: 2 years: +0 %: 360 mins: Winter	28.792	26.748	26.841	0.093	12.9	0.105	0.000	12.9	111.013	OK
FEH: 2 years: +0 %: 480 mins: Summer	28.792	26.748	26.855	0.107	16.5	0.121	0.000	16.5	121.322	OK
FEH: 2 years: +0 %: 480 mins: Winter	28.792	26.748	26.832	0.084	10.6	0.094	0.000	10.6	121.339	OK
FEH: 2 years: +0 %: 600 mins: Summer	28.792	26.748	26.846	0.098	14.1	0.111	0.000	14.1	129.896	OK
FEH: 2 years: +0 %: 600 mins: Winter	28.792	26.748	26.825	0.077	9.1	0.087	0.000	9.1	129.931	OK

FEH: 2 years: +0 %: 720 mins: Summer	28.792	26.748	26.839	0.091	12.5	0.103	0.000	12.5	137.276	OK
FEH: 2 years: +0 %: 720 mins: Winter	28.792	26.748	26.820	0.072	8.0	0.081	0.000	8.0	137.305	OK
FEH: 2 years: +0 %: 960 mins: Summer	28.792	26.748	26.830	0.082	10.2	0.092	0.000	10.2	149.635	OK
FEH: 2 years: +0 %: 960 mins: Winter	28.792	26.748	26.812	0.064	6.6	0.073	0.000	6.6	149.716	OK
FEH: 2 years: +0 %: 1440 mins: Summer	28.792	26.748	26.818	0.070	7.7	0.079	0.000	7.7	169.327	OK
FEH: 2 years: +0 %: 1440 mins: Winter	28.792	26.748	26.804	0.056	5.0	0.063	0.000	5.0	169.404	OK
FEH: 2 years: +0 %: 2160 mins: Summer	28.792	26.748	26.809	0.061	5.8	0.068	0.000	5.8	192.139	OK
FEH: 2 years: +0 %: 2160 mins: Winter	28.792	26.748	26.796	0.048	3.8	0.055	0.000	3.8	191.928	OK
FEH: 2 years: +0 %: 2880 mins: Summer	28.792	26.748	26.803	0.055	4.8	0.062	0.000	4.8	210.541	OK
FEH: 2 years: +0 %: 2880 mins: Winter	28.792	26.748	26.792	0.044	3.1	0.049	0.000	3.1	210.900	OK

FEH: 2 years: +0 %: 4320 mins: Summer	28.792	26.748	26.796	0.048	3.7	0.054	0.000	3.7	241.789	OK
FEH: 2 years: +0 %: 4320 mins: Winter	28.792	26.748	26.786	0.038	2.4	0.043	0.000	2.4	241.440	OK
FEH: 2 years: +0 %: 5760 mins: Summer	28.792	26.748	26.791	0.043	3.0	0.049	0.000	3.0	269.665	OK
FEH: 2 years: +0 %: 5760 mins: Winter	28.792	26.748	26.783	0.035	2.0	0.039	0.000	2.0	268.896	OK
FEH: 2 years: +0 %: 7200 mins: Summer	28.792	26.748	26.789	0.041	2.7	0.046	0.000	2.7	294.895	OK
FEH: 2 years: +0 %: 7200 mins: Winter	28.792	26.748	26.781	0.033	1.7	0.037	0.000	1.7	294.462	OK
FEH: 2 years: +0 %: 8640 mins: Summer	28.792	26.748	26.787	0.039	2.4	0.044	0.000	2.4	318.654	OK
FEH: 2 years: +0 %: 8640 mins: Winter	28.792	26.748	26.779	0.031	1.6	0.035	0.000	1.6	318.630	OK
FEH: 2 years: +0 %: 10080 mins: Summer	28.792	26.748	26.785	0.037	2.2	0.042	0.000	2.2	342.096	OK
FEH: 2 years: +0 %: 10080 mins: Winter	28.792	26.748	26.778	0.030	1.4	0.034	0.000	1.4	342.696	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S02 - 5: Rank By: Max. Depth

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
FEH: 2 years: +0 %: 15 mins: Summer	28.622	26.824	27.065	0.241	54.9	0.273	0.000	44.6	25.444	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.622	26.824	27.054	0.230	51.5	0.261	0.000	43.6	25.310	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.622	26.824	27.014	0.190	37.1	0.214	0.000	37.0	32.106	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.622	26.824	27.003	0.179	34.8	0.203	0.000	34.8	32.111	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.622	26.824	26.990	0.166	31.9	0.188	0.000	31.9	39.837	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.622	26.824	26.964	0.140	25.6	0.159	0.000	25.6	39.855	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.622	26.824	26.959	0.135	24.4	0.153	0.000	24.4	51.455	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.622	26.824	26.932	0.108	17.6	0.122	0.000	17.6	51.454	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 180 mins: Summer	28.622	26.824	26.941	0.117	19.8	0.132	0.000	19.8	59.063	OK
FEH: 2 years: +0 %: 180 mins: Winter	28.622	26.824	26.916	0.092	13.6	0.104	0.000	13.6	59.063	OK
FEH: 2 years: +0 %: 240 mins: Summer	28.622	26.824	26.929	0.105	16.8	0.119	0.000	16.8	64.859	OK
FEH: 2 years: +0 %: 240 mins: Winter	28.622	26.824	26.907	0.083	11.3	0.093	0.000	11.3	64.859	OK
FEH: 2 years: +0 %: 360 mins: Summer	28.622	26.824	26.914	0.090	13.0	0.102	0.000	13.0	73.685	OK
FEH: 2 years: +0 %: 360 mins: Winter	28.622	26.824	26.895	0.071	8.6	0.080	0.000	8.6	73.685	OK
FEH: 2 years: +0 %: 480 mins: Summer	28.622	26.824	26.905	0.081	10.9	0.091	0.000	10.9	80.525	OK
FEH: 2 years: +0 %: 480 mins: Winter	28.622	26.824	26.888	0.064	7.1	0.072	0.000	7.1	80.531	OK
FEH: 2 years: +0 %: 600 mins: Summer	28.622	26.824	26.898	0.074	9.4	0.084	0.000	9.4	86.201	OK
FEH: 2 years: +0 %: 600 mins: Winter	28.622	26.824	26.883	0.059	6.0	0.067	0.000	6.0	86.213	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 720 mins: Summer	28.622	26.824	26.893	0.069	8.3	0.078	0.000	8.3	91.079	OK
FEH: 2 years: +0 %: 720 mins: Winter	28.622	26.824	26.879	0.055	5.3	0.063	0.000	5.3	91.157	OK
FEH: 2 years: +0 %: 960 mins: Summer	28.622	26.824	26.886	0.062	6.8	0.070	0.000	6.8	99.323	OK
FEH: 2 years: +0 %: 960 mins: Winter	28.622	26.824	26.874	0.050	4.4	0.057	0.000	4.4	99.350	OK
FEH: 2 years: +0 %: 1440 mins: Summer	28.622	26.824	26.878	0.054	5.1	0.061	0.000	5.1	112.355	OK
FEH: 2 years: +0 %: 1440 mins: Winter	28.622	26.824	26.868	0.044	3.3	0.050	0.000	3.3	112.409	OK
FEH: 2 years: +0 %: 2160 mins: Summer	28.622	26.824	26.871	0.047	3.9	0.054	0.000	3.9	127.571	OK
FEH: 2 years: +0 %: 2160 mins: Winter	28.622	26.824	26.862	0.038	2.5	0.043	0.000	2.5	127.427	OK
FEH: 2 years: +0 %: 2880 mins: Summer	28.622	26.824	26.867	0.043	3.2	0.049	0.000	3.2	139.649	OK
FEH: 2 years: +0 %: 2880 mins: Winter	28.622	26.824	26.859	0.035	2.1	0.039	0.000	2.1	139.871	OK

FEH: 2 years: +0 %: 4320 mins: Summer	28.622	26.824	26.862	0.038	2.4	0.043	0.000	2.4	160.541	OK
FEH: 2 years: +0 %: 4320 mins: Winter	28.622	26.824	26.855	0.031	1.6	0.035	0.000	1.6	160.187	OK
FEH: 2 years: +0 %: 5760 mins: Summer	28.622	26.824	26.859	0.035	2.0	0.039	0.000	2.0	178.871	OK
FEH: 2 years: +0 %: 5760 mins: Winter	28.622	26.824	26.852	0.028	1.3	0.032	0.000	1.3	178.565	OK
FEH: 2 years: +0 %: 7200 mins: Summer	28.622	26.824	26.857	0.033	1.8	0.037	0.000	1.8	195.797	OK
FEH: 2 years: +0 %: 7200 mins: Winter	28.622	26.824	26.851	0.027	1.1	0.030	0.000	1.1	195.347	OK
FEH: 2 years: +0 %: 8640 mins: Summer	28.622	26.824	26.855	0.031	1.6	0.035	0.000	1.6	212.039	OK
FEH: 2 years: +0 %: 8640 mins: Winter	28.622	26.824	26.849	0.025	1.0	0.029	0.000	1.0	211.601	OK
FEH: 2 years: +0 %: 10080 mins: Summer	28.622	26.824	26.854	0.030	1.5	0.034	0.000	1.5	227.297	OK
FEH: 2 years: +0 %: 10080 mins: Winter	28.622	26.824	26.848	0.024	0.9	0.028	0.000	0.9	227.159	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S04-5: Rank By: Max. Depth

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
FEH: 2 years: +0 %: 15 mins: Summer	28.502	26.251	26.378	0.127	1.8	0.144	0.000	1.8	1.969	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.502	26.251	26.378	0.127	1.8	0.144	0.000	1.8	1.968	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.502	26.251	26.408	0.157	2.0	0.178	0.000	2.0	4.972	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.502	26.251	26.408	0.157	2.0	0.178	0.000	2.0	4.976	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.502	26.251	26.439	0.188	2.1	0.213	0.000	2.1	11.161	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.502	26.251	26.439	0.188	2.1	0.213	0.000	2.1	11.197	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.502	26.251	26.483	0.232	2.2	0.262	0.000	2.2	24.350	Surcharged
FEH: 2 years: +0 %: 120 mins: Winter	28.502	26.251	26.483	0.232	2.2	0.262	0.000	2.2	24.483	Surcharged

FEH: 2 years: +0 %: 180 mins: Summer	28.502	26.251	26.508	0.258	2.2	0.291	0.000	2.2	37.769	Surcharged
FEH: 2 years: +0 %: 180 mins: Winter	28.502	26.251	26.508	0.258	2.2	0.291	0.000	2.2	38.003	Surcharged
FEH: 2 years: +0 %: 240 mins: Summer	28.502	26.251	26.526	0.275	2.2	0.311	0.000	2.2	51.302	Surcharged
FEH: 2 years: +0 %: 240 mins: Winter	28.502	26.251	26.526	0.275	2.2	0.311	0.000	2.2	51.640	Surcharged
FEH: 2 years: +0 %: 360 mins: Summer	28.502	26.251	26.548	0.297	2.3	0.336	0.000	2.3	78.412	Surcharged
FEH: 2 years: +0 %: 360 mins: Winter	28.502	26.251	26.548	0.298	2.3	0.337	0.000	2.3	78.949	Surcharged
FEH: 2 years: +0 %: 480 mins: Summer	28.502	26.251	26.561	0.311	2.3	0.351	0.000	2.3	105.438	Surcharged
FEH: 2 years: +0 %: 480 mins: Winter	28.502	26.251	26.562	0.311	2.3	0.352	0.000	2.3	106.158	Surcharged
FEH: 2 years: +0 %: 600 mins: Summer	28.502	26.251	26.569	0.318	2.3	0.360	0.000	2.3	132.264	Surcharged
FEH: 2 years: +0 %: 600 mins: Winter	28.502	26.251	26.570	0.319	2.3	0.361	0.000	2.3	133.150	Surcharged

FEH: 2 years: +0 %: 720 mins: Summer	28.502	26.251	26.575	0.324	2.3	0.366	0.000	2.3	158.643	Surcharged
FEH: 2 years: +0 %: 720 mins: Winter	28.502	26.251	26.575	0.324	2.3	0.367	0.000	2.3	159.736	Surcharged
FEH: 2 years: +0 %: 960 mins: Summer	28.502	26.251	26.582	0.331	2.3	0.375	0.000	2.3	209.354	Surcharged
FEH: 2 years: +0 %: 960 mins: Winter	28.502	26.251	26.580	0.329	2.3	0.372	0.000	2.3	210.727	Surcharged
FEH: 2 years: +0 %: 1440 mins: Summer	28.502	26.251	26.590	0.339	2.3	0.383	0.000	2.3	287.464	Surcharged
FEH: 2 years: +0 %: 1440 mins: Winter	28.502	26.251	26.584	0.333	2.3	0.377	0.000	2.3	288.409	Surcharged
FEH: 2 years: +0 %: 2160 mins: Summer	28.502	26.251	26.590	0.340	2.3	0.384	0.000	2.3	351.840	Surcharged
FEH: 2 years: +0 %: 2160 mins: Winter	28.502	26.251	26.577	0.326	2.3	0.369	0.000	2.3	352.178	Surcharged
FEH: 2 years: +0 %: 2880 mins: Summer	28.502	26.251	26.585	0.335	2.3	0.379	0.000	2.3	392.933	Surcharged
FEH: 2 years: +0 %: 2880 mins: Winter	28.502	26.251	26.564	0.313	2.3	0.354	0.000	2.3	393.369	Surcharged

FEH: 2 years: +0 %: 4320 mins: Summer	28.502	26.251	26.571	0.320	2.3	0.362	0.000	2.3	453.878	Surcharged
FEH: 2 years: +0 %: 4320 mins: Winter	28.502	26.251	26.534	0.283	2.3	0.320	0.000	2.3	454.164	Surcharged
FEH: 2 years: +0 %: 5760 mins: Summer	28.502	26.251	26.556	0.305	2.3	0.345	0.000	2.3	506.802	Surcharged
FEH: 2 years: +0 %: 5760 mins: Winter	28.502	26.251	26.505	0.255	2.2	0.288	0.000	2.2	504.638	Surcharged
FEH: 2 years: +0 %: 7200 mins: Summer	28.502	26.251	26.542	0.291	2.3	0.330	0.000	2.3	555.021	Surcharged
FEH: 2 years: +0 %: 7200 mins: Winter	28.502	26.251	26.482	0.231	2.2	0.261	0.000	2.2	554.286	Surcharged
FEH: 2 years: +0 %: 8640 mins: Summer	28.502	26.251	26.528	0.278	2.2	0.314	0.000	2.2	599.447	Surcharged
FEH: 2 years: +0 %: 8640 mins: Winter	28.502	26.251	26.461	0.211	2.1	0.238	0.000	2.1	600.660	OK
FEH: 2 years: +0 %: 10080 mins: Summer	28.502	26.251	26.517	0.266	2.2	0.301	0.000	2.2	642.547	Surcharged
FEH: 2 years: +0 %: 10080 mins: Winter	28.502	26.251	26.444	0.193	2.1	0.218	0.000	2.1	641.869	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S12-5: Rank By: Max. Depth

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
FEH: 2 years: +0 %: 15 mins: Summer	28.755	27.012	27.103	0.091	18.1	0.102	0.000	17.5	7.859	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.755	27.012	27.099	0.087	17.0	0.099	0.000	16.4	7.853	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.755	27.012	27.084	0.072	11.6	0.081	0.000	11.6	10.079	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.755	27.012	27.081	0.069	10.9	0.078	0.000	10.9	10.067	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.755	27.012	27.078	0.066	10.0	0.075	0.000	10.0	12.497	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.755	27.012	27.071	0.059	8.0	0.066	0.000	8.0	12.503	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.755	27.012	27.069	0.057	7.7	0.065	0.000	7.7	16.145	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.755	27.012	27.060	0.048	5.5	0.055	0.000	5.5	16.139	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 180 mins: Summer	28.755	27.012	27.063	0.051	6.2	0.058	0.000	6.2	18.533	OK
FEH: 2 years: +0 %: 180 mins: Winter	28.755	27.012	27.054	0.042	4.3	0.048	0.000	4.3	18.515	OK
FEH: 2 years: +0 %: 240 mins: Summer	28.755	27.012	27.059	0.047	5.3	0.053	0.000	5.3	20.339	OK
FEH: 2 years: +0 %: 240 mins: Winter	28.755	27.012	27.051	0.039	3.5	0.044	0.000	3.5	20.351	OK
FEH: 2 years: +0 %: 360 mins: Summer	28.755	27.012	27.053	0.041	4.1	0.047	0.000	4.1	23.093	OK
FEH: 2 years: +0 %: 360 mins: Winter	28.755	27.012	27.046	0.034	2.7	0.038	0.000	2.7	23.129	OK
FEH: 2 years: +0 %: 480 mins: Summer	28.755	27.012	27.050	0.038	3.4	0.043	0.000	3.4	25.277	OK
FEH: 2 years: +0 %: 480 mins: Winter	28.755	27.012	27.043	0.031	2.2	0.035	0.000	2.2	25.259	OK
FEH: 2 years: +0 %: 600 mins: Summer	28.755	27.012	27.047	0.035	3.0	0.040	0.000	3.0	27.047	OK
FEH: 2 years: +0 %: 600 mins: Winter	28.755	27.012	27.040	0.028	1.9	0.032	0.000	1.9	27.011	OK

FEH: 2 years: +0 %: 720 mins: Summer	28.755	27.012	27.045	0.033	2.6	0.037	0.000	2.6	28.559	OK
FEH: 2 years: +0 %: 720 mins: Winter	28.755	27.012	27.039	0.027	1.7	0.030	0.000	1.7	28.535	OK
FEH: 2 years: +0 %: 960 mins: Summer	28.755	27.012	27.042	0.030	2.1	0.034	0.000	2.1	31.157	OK
FEH: 2 years: +0 %: 960 mins: Winter	28.755	27.012	27.036	0.024	1.4	0.027	0.000	1.4	31.169	OK
FEH: 2 years: +0 %: 1440 mins: Summer	28.755	27.012	27.038	0.026	1.6	0.029	0.000	1.6	35.255	OK
FEH: 2 years: +0 %: 1440 mins: Winter	28.755	27.012	27.033	0.021	1.0	0.024	0.000	1.0	35.213	OK
FEH: 2 years: +0 %: 2160 mins: Summer	28.755	27.012	27.035	0.023	1.2	0.026	0.000	1.2	39.953	OK
FEH: 2 years: +0 %: 2160 mins: Winter	28.755	27.012	27.030	0.018	0.8	0.021	0.000	0.8	40.055	OK
FEH: 2 years: +0 %: 2880 mins: Summer	28.755	27.012	27.033	0.021	1.0	0.023	0.000	1.0	43.787	OK
FEH: 2 years: +0 %: 2880 mins: Winter	28.755	27.012	27.029	0.017	0.6	0.019	0.000	0.6	43.727	OK

FEH: 2 years: +0 %: 4320 mins: Summer	28.755	27.012	27.030	0.018	0.8	0.021	0.000	0.8	50.297	OK
FEH: 2 years: +0 %: 4320 mins: Winter	28.755	27.012	27.027	0.015	0.5	0.017	0.000	0.5	50.579	OK
FEH: 2 years: +0 %: 5760 mins: Summer	28.755	27.012	27.029	0.017	0.6	0.019	0.000	0.6	56.123	OK
FEH: 2 years: +0 %: 5760 mins: Winter	28.755	27.012	27.026	0.014	0.4	0.015	0.000	0.4	55.775	OK
FEH: 2 years: +0 %: 7200 mins: Summer	28.755	27.012	27.028	0.016	0.6	0.018	0.000	0.6	61.595	OK
FEH: 2 years: +0 %: 7200 mins: Winter	28.755	27.012	27.025	0.013	0.4	0.015	0.000	0.4	61.415	OK
FEH: 2 years: +0 %: 8640 mins: Summer	28.755	27.012	27.027	0.015	0.5	0.017	0.000	0.5	66.341	OK
FEH: 2 years: +0 %: 8640 mins: Winter	28.755	27.012	27.024	0.012	0.3	0.014	0.000	0.3	66.569	OK
FEH: 2 years: +0 %: 10080 mins: Summer	28.755	27.012	27.026	0.014	0.5	0.016	0.000	0.5	70.889	OK
FEH: 2 years: +0 %: 10080 mins: Winter	28.755	27.012	27.024	0.012	0.3	0.013	0.000	0.3	70.667	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S06 - 5 : Rank By: Max. Depth

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
FEH: 2 years: +0 %: 15 mins: Summer	28.888	27.629	27.752	0.123	38.6	0.035	0.000	36.5	17.619	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.888	27.629	27.748	0.118	36.4	0.034	0.000	34.5	17.627	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.888	27.629	27.729	0.100	26.1	0.028	0.000	26.1	22.623	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.888	27.629	27.726	0.097	24.5	0.027	0.000	24.5	22.617	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.888	27.629	27.721	0.092	22.5	0.026	0.000	22.5	28.072	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.888	27.629	27.711	0.082	18.1	0.023	0.000	18.1	28.085	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.888	27.629	27.709	0.080	17.2	0.023	0.000	17.2	36.251	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.888	27.629	27.696	0.067	12.4	0.019	0.000	12.4	36.245	OK

FEH: 2 years: +0 %: 180 mins: Summer	28.888	27.629	27.700	0.071	13.9	0.020	0.000	13.9	41.591	OK
FEH: 2 years: +0 %: 180 mins: Winter	28.888	27.629	27.688	0.059	9.6	0.017	0.000	9.6	41.591	OK
FEH: 2 years: +0 %: 240 mins: Summer	28.888	27.629	27.694	0.065	11.8	0.018	0.000	11.8	45.653	OK
FEH: 2 years: +0 %: 240 mins: Winter	28.888	27.629	27.682	0.053	7.9	0.015	0.000	7.9	45.695	OK
FEH: 2 years: +0 %: 360 mins: Summer	28.888	27.629	27.686	0.057	9.2	0.016	0.000	9.2	51.851	OK
FEH: 2 years: +0 %: 360 mins: Winter	28.888	27.629	27.675	0.046	6.0	0.013	0.000	6.0	51.953	OK
FEH: 2 years: +0 %: 480 mins: Summer	28.888	27.629	27.681	0.052	7.7	0.015	0.000	7.7	56.765	OK
FEH: 2 years: +0 %: 480 mins: Winter	28.888	27.629	27.671	0.042	5.0	0.012	0.000	5.0	56.711	OK
FEH: 2 years: +0 %: 600 mins: Summer	28.888	27.629	27.677	0.048	6.6	0.014	0.000	6.6	60.701	OK
FEH: 2 years: +0 %: 600 mins: Winter	28.888	27.629	27.668	0.039	4.3	0.011	0.000	4.3	60.671	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 720 mins: Summer	28.888	27.629	27.674	0.045	5.8	0.013	0.000	5.8	64.127	OK
FEH: 2 years: +0 %: 720 mins: Winter	28.888	27.629	27.666	0.036	3.7	0.010	0.000	3.7	64.169	OK
FEH: 2 years: +0 %: 960 mins: Summer	28.888	27.629	27.670	0.041	4.8	0.012	0.000	4.8	69.953	OK
FEH: 2 years: +0 %: 960 mins: Winter	28.888	27.629	27.662	0.033	3.1	0.009	0.000	3.1	70.019	OK
FEH: 2 years: +0 %: 1440 mins: Summer	28.888	27.629	27.665	0.036	3.6	0.010	0.000	3.6	79.091	OK
FEH: 2 years: +0 %: 1440 mins: Winter	28.888	27.629	27.658	0.029	2.3	0.008	0.000	2.3	79.181	OK
FEH: 2 years: +0 %: 2160 mins: Summer	28.888	27.629	27.660	0.031	2.7	0.009	0.000	2.7	89.699	OK
FEH: 2 years: +0 %: 2160 mins: Winter	28.888	27.629	27.654	0.025	1.8	0.007	0.000	1.8	89.801	OK
FEH: 2 years: +0 %: 2880 mins: Summer	28.888	27.629	27.657	0.028	2.2	0.008	0.000	2.2	98.255	OK
FEH: 2 years: +0 %: 2880 mins: Winter	28.888	27.629	27.652	0.023	1.4	0.006	0.000	1.4	98.363	OK

FEH: 2 years: +0 %: 4320 mins: Summer	28.888	27.629	27.654	0.025	1.7	0.007	0.000	1.7	113.255	OK
FEH: 2 years: +0 %: 4320 mins: Winter	28.888	27.629	27.649	0.020	1.1	0.006	0.000	1.1	113.363	OK
FEH: 2 years: +0 %: 5760 mins: Summer	28.888	27.629	27.652	0.023	1.4	0.006	0.000	1.4	126.353	OK
FEH: 2 years: +0 %: 5760 mins: Winter	28.888	27.629	27.648	0.019	0.9	0.005	0.000	0.9	125.567	OK
FEH: 2 years: +0 %: 7200 mins: Summer	28.888	27.629	27.651	0.021	1.3	0.006	0.000	1.3	138.389	OK
FEH: 2 years: +0 %: 7200 mins: Winter	28.888	27.629	27.647	0.017	0.8	0.005	0.000	0.8	138.281	OK
FEH: 2 years: +0 %: 8640 mins: Summer	28.888	27.629	27.649	0.020	1.1	0.006	0.000	1.1	149.153	OK
FEH: 2 years: +0 %: 8640 mins: Winter	28.888	27.629	27.646	0.016	0.7	0.005	0.000	0.7	150.137	OK
FEH: 2 years: +0 %: 10080 mins: Summer	28.888	27.629	27.649	0.020	1.0	0.006	0.000	1.0	159.557	OK
FEH: 2 years: +0 %: 10080 mins: Winter	28.888	27.629	27.645	0.016	0.7	0.005	0.000	0.7	158.627	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S14 - 5: Rank By: Max. Depth

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
FEH: 2 years: +0 %: 15 mins: Summer	27.850	27.250	27.282	0.032	2.8	0.007	0.000	2.7	1.219	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.850	27.250	27.281	0.031	2.6	0.006	0.000	2.5	1.218	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.850	27.250	27.277	0.027	1.8	0.005	0.000	1.8	1.551	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.850	27.250	27.276	0.026	1.7	0.005	0.000	1.7	1.556	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.850	27.250	27.275	0.025	1.5	0.005	0.000	1.5	1.928	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.850	27.250	27.273	0.023	1.2	0.005	0.000	1.2	1.933	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.850	27.250	27.272	0.022	1.2	0.004	0.000	1.2	2.485	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.850	27.250	27.269	0.019	0.9	0.004	0.000	0.8	2.485	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 180 mins: Summer	27.850	27.250	27.270	0.020	1.0	0.004	0.000	1.0	2.869	OK
FEH: 2 years: +0 %: 180 mins: Winter	27.850	27.250	27.267	0.017	0.7	0.003	0.000	0.7	2.862	OK
FEH: 2 years: +0 %: 240 mins: Summer	27.850	27.250	27.269	0.019	0.8	0.004	0.000	0.8	3.144	OK
FEH: 2 years: +0 %: 240 mins: Winter	27.850	27.250	27.265	0.015	0.6	0.003	0.000	0.5	3.138	OK
FEH: 2 years: +0 %: 360 mins: Summer	27.850	27.250	27.266	0.016	0.6	0.003	0.000	0.6	3.564	OK
FEH: 2 years: +0 %: 360 mins: Winter	27.850	27.250	27.264	0.014	0.4	0.003	0.000	0.4	3.564	OK
FEH: 2 years: +0 %: 480 mins: Summer	27.850	27.250	27.265	0.015	0.5	0.003	0.000	0.5	3.900	OK
FEH: 2 years: +0 %: 480 mins: Winter	27.850	27.250	27.262	0.012	0.3	0.003	0.000	0.3	3.882	OK
FEH: 2 years: +0 %: 600 mins: Summer	27.850	27.250	27.264	0.014	0.4	0.003	0.000	0.4	4.164	OK
FEH: 2 years: +0 %: 600 mins: Winter	27.850	27.250	27.262	0.012	0.3	0.002	0.000	0.3	4.164	OK

FEH: 2 years: +0 %: 720 mins: Summer	27.850	27.250	27.263	0.013	0.4	0.003	0.000	0.4	4.398	OK
FEH: 2 years: +0 %: 720 mins: Winter	27.850	27.250	27.261	0.011	0.3	0.002	0.000	0.3	4.440	OK
FEH: 2 years: +0 %: 960 mins: Summer	27.850	27.250	27.262	0.012	0.3	0.002	0.000	0.3	4.812	OK
FEH: 2 years: +0 %: 960 mins: Winter	27.850	27.250	27.260	0.010	0.2	0.002	0.000	0.2	4.818	OK
FEH: 2 years: +0 %: 1440 mins: Summer	27.850	27.250	27.261	0.011	0.3	0.002	0.000	0.3	5.424	OK
FEH: 2 years: +0 %: 1440 mins: Winter	27.850	27.250	27.259	0.009	0.2	0.002	0.000	0.2	5.472	OK
FEH: 2 years: +0 %: 2160 mins: Summer	27.850	27.250	27.260	0.010	0.2	0.002	0.000	0.2	6.252	OK
FEH: 2 years: +0 %: 2160 mins: Winter	27.850	27.250	27.258	0.008	0.1	0.002	0.000	0.1	6.156	OK
FEH: 2 years: +0 %: 2880 mins: Summer	27.850	27.250	27.259	0.009	0.2	0.002	0.000	0.2	6.690	OK
FEH: 2 years: +0 %: 2880 mins: Winter	27.850	27.250	27.257	0.007	0.1	0.001	0.000	0.1	6.882	OK

FEH: 2 years: +0 %: 4320 mins: Summer	27.850	27.250	27.258	0.008	0.1	0.002	0.000	0.1	7.722	OK
FEH: 2 years: +0 %: 4320 mins: Winter	27.850	27.250	27.256	0.006	0.1	0.001	0.000	0.1	7.524	OK
FEH: 2 years: +0 %: 5760 mins: Summer	27.850	27.250	27.257	0.007	0.1	0.001	0.000	0.1	8.646	OK
FEH: 2 years: +0 %: 5760 mins: Winter	27.850	27.250	27.255	0.005	0.1	0.001	0.000	0.1	8.502	OK
FEH: 2 years: +0 %: 7200 mins: Summer	27.850	27.250	27.257	0.007	0.1	0.001	0.000	0.1	9.672	OK
FEH: 2 years: +0 %: 7200 mins: Winter	27.850	27.250	27.255	0.005	0.1	0.001	0.000	0.1	9.414	OK
FEH: 2 years: +0 %: 8640 mins: Summer	27.850	27.250	27.256	0.006	0.1	0.001	0.000	0.1	10.584	OK
FEH: 2 years: +0 %: 8640 mins: Winter	27.850	27.250	27.254	0.004	0.0	0.001	0.000	0.1	10.470	OK
FEH: 2 years: +0 %: 10080 mins: Summer	27.850	27.250	27.256	0.006	0.1	0.001	0.000	0.1	11.622	OK
FEH: 2 years: +0 %: 10080 mins: Winter	27.850	27.250	27.254	0.004	0.0	0.001	0.000	0.1	11.250	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for EX : Rank By: Max. Depth

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
FEH: 2 years: +0 %: 15 mins: Summer	28.200	26.201	26.234	0.033	1.8	0.000	0.000	1.8	1.929	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.200	26.201	26.234	0.033	1.8	0.000	0.000	1.8	1.928	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.200	26.201	26.235	0.034	2.0	0.000	0.000	2.0	4.930	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.200	26.201	26.235	0.034	2.0	0.000	0.000	2.0	4.934	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.200	26.201	26.236	0.035	2.1	0.000	0.000	2.1	11.118	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.200	26.201	26.236	0.035	2.1	0.000	0.000	2.1	11.154	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.200	26.201	26.237	0.036	2.2	0.000	0.000	2.2	24.307	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.200	26.201	26.237	0.036	2.2	0.000	0.000	2.2	24.439	OK

FEH: 2 years: +0 %: 180 mins: Summer	28.200	26.201	26.237	0.036	2.2	0.000	0.000	2.2	37.725	OK
FEH: 2 years: +0 %: 180 mins: Winter	28.200	26.201	26.237	0.036	2.2	0.000	0.000	2.2	37.959	OK
FEH: 2 years: +0 %: 240 mins: Summer	28.200	26.201	26.237	0.037	2.2	0.000	0.000	2.2	51.258	OK
FEH: 2 years: +0 %: 240 mins: Winter	28.200	26.201	26.237	0.037	2.2	0.000	0.000	2.2	51.596	OK
FEH: 2 years: +0 %: 360 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	78.368	OK
FEH: 2 years: +0 %: 360 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	78.905	OK
FEH: 2 years: +0 %: 480 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	105.394	OK
FEH: 2 years: +0 %: 480 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	106.115	OK
FEH: 2 years: +0 %: 600 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	132.220	OK
FEH: 2 years: +0 %: 600 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	133.107	OK

FEH: 2 years: +0 %: 720 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	158.600	OK
FEH: 2 years: +0 %: 720 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	159.693	OK
FEH: 2 years: +0 %: 960 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	209.314	OK
FEH: 2 years: +0 %: 960 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	210.687	OK
FEH: 2 years: +0 %: 1440 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	287.438	OK
FEH: 2 years: +0 %: 1440 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	288.383	OK
FEH: 2 years: +0 %: 2160 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	351.826	OK
FEH: 2 years: +0 %: 2160 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	352.165	OK
FEH: 2 years: +0 %: 2880 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	392.926	OK
FEH: 2 years: +0 %: 2880 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	393.363	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 4320 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	453.875	OK
FEH: 2 years: +0 %: 4320 mins: Winter	28.200	26.201	26.237	0.037	2.3	0.000	0.000	2.3	454.162	OK
FEH: 2 years: +0 %: 5760 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	506.800	OK
FEH: 2 years: +0 %: 5760 mins: Winter	28.200	26.201	26.237	0.036	2.2	0.000	0.000	2.2	504.636	OK
FEH: 2 years: +0 %: 7200 mins: Summer	28.200	26.201	26.237	0.037	2.3	0.000	0.000	2.3	555.020	OK
FEH: 2 years: +0 %: 7200 mins: Winter	28.200	26.201	26.237	0.036	2.2	0.000	0.000	2.2	554.285	OK
FEH: 2 years: +0 %: 8640 mins: Summer	28.200	26.201	26.237	0.037	2.2	0.000	0.000	2.2	599.445	OK
FEH: 2 years: +0 %: 8640 mins: Winter	28.200	26.201	26.237	0.036	2.1	0.000	0.000	2.1	600.658	OK
FEH: 2 years: +0 %: 10080 mins: Summer	28.200	26.201	26.237	0.037	2.2	0.000	0.000	2.2	642.545	OK
FEH: 2 years: +0 %: 10080 mins: Winter	28.200	26.201	26.236	0.035	2.1	0.000	0.000	2.1	641.868	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S03-5: Rank By: Max. Depth

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
FEH: 2 years: +0 %: 15 mins: Summer	28.711	26.695	26.944	0.249	71.8	1.428	0.000	68.7	37.615	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.711	26.695	26.938	0.243	69.1	1.391	0.000	66.2	37.607	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.711	26.695	26.911	0.216	55.8	1.240	0.000	55.8	48.345	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.711	26.695	26.903	0.208	52.4	1.191	0.000	52.4	48.351	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.711	26.695	26.892	0.197	48.0	1.130	0.000	48.0	60.017	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.711	26.695	26.868	0.173	38.6	0.992	0.000	38.6	60.029	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.711	26.695	26.863	0.168	36.8	0.964	0.000	36.8	77.524	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.711	26.695	26.834	0.139	26.5	0.798	0.000	26.5	77.506	OK

FEH: 2 years: +0 %: 180 mins: Summer	28.711	26.695	26.844	0.149	29.8	0.855	0.000	29.8	88.993	OK
FEH: 2 years: +0 %: 180 mins: Winter	28.711	26.695	26.816	0.121	20.5	0.693	0.000	20.5	88.969	OK
FEH: 2 years: +0 %: 240 mins: Summer	28.711	26.695	26.831	0.136	25.3	0.779	0.000	25.3	97.731	OK
FEH: 2 years: +0 %: 240 mins: Winter	28.711	26.695	26.804	0.109	17.0	0.625	0.000	17.0	97.707	OK
FEH: 2 years: +0 %: 360 mins: Summer	28.711	26.695	26.813	0.118	19.7	0.676	0.000	19.7	111.030	OK
FEH: 2 years: +0 %: 360 mins: Winter	28.711	26.695	26.789	0.094	12.9	0.539	0.000	12.9	111.006	OK
FEH: 2 years: +0 %: 480 mins: Summer	28.711	26.695	26.802	0.107	16.5	0.614	0.000	16.5	121.315	OK
FEH: 2 years: +0 %: 480 mins: Winter	28.711	26.695	26.780	0.085	10.6	0.485	0.000	10.6	121.334	OK
FEH: 2 years: +0 %: 600 mins: Summer	28.711	26.695	26.794	0.099	14.1	0.565	0.000	14.1	129.889	OK
FEH: 2 years: +0 %: 600 mins: Winter	28.711	26.695	26.773	0.078	9.1	0.447	0.000	9.1	129.926	OK

FEH: 2 years: +0 %: 720 mins: Summer	28.711	26.695	26.787	0.092	12.5	0.528	0.000	12.5	137.270	OK
FEH: 2 years: +0 %: 720 mins: Winter	28.711	26.695	26.768	0.073	8.0	0.418	0.000	8.0	137.300	OK
FEH: 2 years: +0 %: 960 mins: Summer	28.711	26.695	26.778	0.083	10.2	0.474	0.000	10.2	149.630	OK
FEH: 2 years: +0 %: 960 mins: Winter	28.711	26.695	26.761	0.066	6.6	0.376	0.000	6.6	149.711	OK
FEH: 2 years: +0 %: 1440 mins: Summer	28.711	26.695	26.766	0.071	7.7	0.408	0.000	7.7	169.322	OK
FEH: 2 years: +0 %: 1440 mins: Winter	28.711	26.695	26.752	0.057	5.0	0.325	0.000	5.0	169.400	OK
FEH: 2 years: +0 %: 2160 mins: Summer	28.711	26.695	26.757	0.062	5.8	0.353	0.000	5.8	192.134	OK
FEH: 2 years: +0 %: 2160 mins: Winter	28.711	26.695	26.744	0.049	3.8	0.282	0.000	3.8	191.924	OK
FEH: 2 years: +0 %: 2880 mins: Summer	28.711	26.695	26.751	0.056	4.8	0.319	0.000	4.8	210.536	OK
FEH: 2 years: +0 %: 2880 mins: Winter	28.711	26.695	26.740	0.045	3.1	0.255	0.000	3.1	210.896	OK

FEH: 2 years: +0 %: 4320 mins: Summer	28.711	26.695	26.744	0.049	3.7	0.278	0.000	3.7	241.784	OK
FEH: 2 years: +0 %: 4320 mins: Winter	28.711	26.695	26.734	0.039	2.4	0.224	0.000	2.4	241.436	OK
FEH: 2 years: +0 %: 5760 mins: Summer	28.711	26.695	26.739	0.044	3.0	0.254	0.000	3.0	269.660	OK
FEH: 2 years: +0 %: 5760 mins: Winter	28.711	26.695	26.731	0.036	2.0	0.204	0.000	2.0	268.892	OK
FEH: 2 years: +0 %: 7200 mins: Summer	28.711	26.695	26.737	0.042	2.7	0.238	0.000	2.7	294.890	OK
FEH: 2 years: +0 %: 7200 mins: Winter	28.711	26.695	26.728	0.033	1.7	0.192	0.000	1.7	294.458	OK
FEH: 2 years: +0 %: 8640 mins: Summer	28.711	26.695	26.735	0.040	2.4	0.226	0.000	2.4	318.650	OK
FEH: 2 years: +0 %: 8640 mins: Winter	28.711	26.695	26.727	0.032	1.6	0.182	0.000	1.6	318.626	OK
FEH: 2 years: +0 %: 10080 mins: Summer	28.711	26.695	26.733	0.038	2.2	0.217	0.000	2.2	342.092	OK
FEH: 2 years: +0 %: 10080 mins: Winter	28.711	26.695	26.726	0.031	1.4	0.175	0.000	1.4	342.692	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S08-5: Rank By: Max. Depth

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
FEH: 2 years: +0 %: 15 mins: Summer	28.888	28.285	28.307	0.022	1.6	0.006	0.000	1.5	0.698	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.888	28.285	28.306	0.021	1.5	0.006	0.000	1.4	0.698	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.888	28.285	28.303	0.018	1.0	0.005	0.000	1.0	0.894	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.888	28.285	28.303	0.018	1.0	0.005	0.000	1.0	0.894	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.888	28.285	28.302	0.017	0.9	0.005	0.000	0.9	1.116	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.888	28.285	28.300	0.015	0.7	0.004	0.000	0.7	1.110	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.888	28.285	28.300	0.015	0.7	0.004	0.000	0.7	1.434	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.888	28.285	28.298	0.013	0.5	0.004	0.000	0.5	1.434	OK

FEH: 2 years: +0 %: 180 mins: Summer	28.888	28.285	28.299	0.014	0.6	0.004	0.000	0.5	1.644	OK
FEH: 2 years: +0 %: 180 mins: Winter	28.888	28.285	28.297	0.012	0.4	0.003	0.000	0.4	1.656	OK
FEH: 2 years: +0 %: 240 mins: Summer	28.888	28.285	28.298	0.013	0.5	0.004	0.000	0.5	1.806	OK
FEH: 2 years: +0 %: 240 mins: Winter	28.888	28.285	28.296	0.011	0.3	0.003	0.000	0.3	1.806	OK
FEH: 2 years: +0 %: 360 mins: Summer	28.888	28.285	28.296	0.011	0.4	0.003	0.000	0.4	2.040	OK
FEH: 2 years: +0 %: 360 mins: Winter	28.888	28.285	28.294	0.009	0.2	0.003	0.000	0.2	2.058	OK
FEH: 2 years: +0 %: 480 mins: Summer	28.888	28.285	28.295	0.010	0.3	0.003	0.000	0.3	2.244	OK
FEH: 2 years: +0 %: 480 mins: Winter	28.888	28.285	28.294	0.009	0.2	0.002	0.000	0.2	2.232	OK
FEH: 2 years: +0 %: 600 mins: Summer	28.888	28.285	28.295	0.010	0.3	0.003	0.000	0.3	2.388	OK
FEH: 2 years: +0 %: 600 mins: Winter	28.888	28.285	28.293	0.008	0.2	0.002	0.000	0.2	2.418	OK

FEH: 2 years: +0 %: 720 mins: Summer	28.888	28.285	28.294	0.009	0.2	0.003	0.000	0.2	2.520	OK
FEH: 2 years: +0 %: 720 mins: Winter	28.888	28.285	28.293	0.008	0.2	0.002	0.000	0.2	2.580	OK
FEH: 2 years: +0 %: 960 mins: Summer	28.888	28.285	28.294	0.009	0.2	0.002	0.000	0.2	2.790	OK
FEH: 2 years: +0 %: 960 mins: Winter	28.888	28.285	28.292	0.007	0.1	0.002	0.000	0.1	2.760	OK
FEH: 2 years: +0 %: 1440 mins: Summer	28.888	28.285	28.292	0.007	0.1	0.002	0.000	0.1	3.090	OK
FEH: 2 years: +0 %: 1440 mins: Winter	28.888	28.285	28.290	0.005	0.1	0.002	0.000	0.1	3.192	OK
FEH: 2 years: +0 %: 2160 mins: Summer	28.888	28.285	28.291	0.006	0.1	0.002	0.000	0.1	3.522	OK
FEH: 2 years: +0 %: 2160 mins: Winter	28.888	28.285	28.290	0.005	0.1	0.001	0.000	0.1	3.498	OK
FEH: 2 years: +0 %: 2880 mins: Summer	28.888	28.285	28.290	0.005	0.1	0.002	0.000	0.1	3.942	OK
FEH: 2 years: +0 %: 2880 mins: Winter	28.888	28.285	28.289	0.004	0.1	0.001	0.000	0.1	3.900	OK

FEH: 2 years: +0 %: 4320 mins: Summer	28.888	28.285	28.290	0.005	0.1	0.001	0.000	0.1	4.872	OK
FEH: 2 years: +0 %: 4320 mins: Winter	28.888	28.285	28.289	0.004	0.0	0.001	0.000	0.0	4.614	OK
FEH: 2 years: +0 %: 5760 mins: Summer	28.888	28.285	28.289	0.004	0.1	0.001	0.000	0.1	5.388	OK
FEH: 2 years: +0 %: 5760 mins: Winter	28.888	28.285	28.289	0.004	0.0	0.001	0.000	0.0	5.322	OK
FEH: 2 years: +0 %: 7200 mins: Summer	28.888	28.285	28.289	0.004	0.0	0.001	0.000	0.1	5.436	OK
FEH: 2 years: +0 %: 7200 mins: Winter	28.888	28.285	28.288	0.003	0.0	0.001	0.000	0.0	5.880	OK
FEH: 2 years: +0 %: 8640 mins: Summer	28.888	28.285	28.289	0.004	0.0	0.001	0.000	0.0	5.592	OK
FEH: 2 years: +0 %: 8640 mins: Winter	28.888	28.285	28.288	0.003	0.0	0.001	0.000	0.0	6.324	OK
FEH: 2 years: +0 %: 10080 mins: Summer	28.888	28.285	28.289	0.004	0.0	0.001	0.000	0.0	5.808	OK
FEH: 2 years: +0 %: 10080 mins: Winter	28.888	28.285	28.288	0.003	0.0	0.001	0.000	0.0	5.688	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S11-5: Rank By: Max. Depth

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
FEH: 2 years: +0 %: 15 mins: Summer	28.558	26.758	26.866	0.108	17.5	0.122	0.000	16.3	7.883	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.558	26.758	26.862	0.104	16.4	0.118	0.000	15.3	7.876	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.558	26.758	26.846	0.088	11.6	0.100	0.000	11.6	10.100	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.558	26.758	26.844	0.086	10.9	0.097	0.000	10.9	10.087	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.558	26.758	26.840	0.082	10.0	0.093	0.000	10.0	12.513	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.558	26.758	26.832	0.074	8.0	0.084	0.000	8.0	12.517	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.558	26.758	26.830	0.072	7.7	0.082	0.000	7.7	16.157	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.558	26.758	26.820	0.062	5.5	0.070	0.000	5.5	16.149	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 180 mins: Summer	28.558	26.758	26.823	0.065	6.2	0.074	0.000	6.2	18.543	OK
FEH: 2 years: +0 %: 180 mins: Winter	28.558	26.758	26.813	0.055	4.3	0.062	0.000	4.3	18.523	OK
FEH: 2 years: +0 %: 240 mins: Summer	28.558	26.758	26.818	0.060	5.3	0.068	0.000	5.3	20.347	OK
FEH: 2 years: +0 %: 240 mins: Winter	28.558	26.758	26.808	0.050	3.5	0.056	0.000	3.6	20.358	OK
FEH: 2 years: +0 %: 360 mins: Summer	28.558	26.758	26.811	0.053	4.1	0.060	0.000	4.1	23.100	OK
FEH: 2 years: +0 %: 360 mins: Winter	28.558	26.758	26.802	0.044	2.7	0.049	0.000	2.7	23.134	OK
FEH: 2 years: +0 %: 480 mins: Summer	28.558	26.758	26.807	0.049	3.4	0.055	0.000	3.4	25.283	OK
FEH: 2 years: +0 %: 480 mins: Winter	28.558	26.758	26.798	0.040	2.2	0.045	0.000	2.2	25.264	OK
FEH: 2 years: +0 %: 600 mins: Summer	28.558	26.758	26.803	0.045	3.0	0.051	0.000	3.0	27.053	OK
FEH: 2 years: +0 %: 600 mins: Winter	28.558	26.758	26.795	0.037	1.9	0.042	0.000	1.9	27.015	OK

FEH: 2 years: +0 %: 720 mins: Summer	28.558	26.758	26.801	0.043	2.6	0.048	0.000	2.6	28.564	OK
FEH: 2 years: +0 %: 720 mins: Winter	28.558	26.758	26.793	0.035	1.7	0.039	0.000	1.7	28.538	OK
FEH: 2 years: +0 %: 960 mins: Summer	28.558	26.758	26.797	0.039	2.1	0.044	0.000	2.1	31.162	OK
FEH: 2 years: +0 %: 960 mins: Winter	28.558	26.758	26.789	0.031	1.4	0.036	0.000	1.4	31.172	OK
FEH: 2 years: +0 %: 1440 mins: Summer	28.558	26.758	26.792	0.034	1.6	0.038	0.000	1.6	35.259	OK
FEH: 2 years: +0 %: 1440 mins: Winter	28.558	26.758	26.785	0.027	1.0	0.031	0.000	1.0	35.215	OK
FEH: 2 years: +0 %: 2160 mins: Summer	28.558	26.758	26.788	0.030	1.2	0.034	0.000	1.2	39.956	OK
FEH: 2 years: +0 %: 2160 mins: Winter	28.558	26.758	26.782	0.024	0.8	0.027	0.000	0.8	40.056	OK
FEH: 2 years: +0 %: 2880 mins: Summer	28.558	26.758	26.785	0.027	1.0	0.031	0.000	1.0	43.790	OK
FEH: 2 years: +0 %: 2880 mins: Winter	28.558	26.758	26.780	0.022	0.6	0.025	0.000	0.6	43.728	OK

FEH: 2 years: +0 %: 4320 mins: Summer	28.558	26.758	26.782	0.024	0.8	0.027	0.000	0.8	50.299	OK
FEH: 2 years: +0 %: 4320 mins: Winter	28.558	26.758	26.777	0.019	0.5	0.022	0.000	0.5	50.580	OK
FEH: 2 years: +0 %: 5760 mins: Summer	28.558	26.758	26.780	0.022	0.6	0.025	0.000	0.6	56.125	OK
FEH: 2 years: +0 %: 5760 mins: Winter	28.558	26.758	26.776	0.018	0.4	0.020	0.000	0.4	55.776	OK
FEH: 2 years: +0 %: 7200 mins: Summer	28.558	26.758	26.779	0.021	0.6	0.023	0.000	0.6	61.597	OK
FEH: 2 years: +0 %: 7200 mins: Winter	28.558	26.758	26.775	0.017	0.4	0.019	0.000	0.4	61.416	OK
FEH: 2 years: +0 %: 8640 mins: Summer	28.558	26.758	26.778	0.020	0.5	0.022	0.000	0.5	66.343	OK
FEH: 2 years: +0 %: 8640 mins: Winter	28.558	26.758	26.774	0.016	0.3	0.018	0.000	0.3	66.570	OK
FEH: 2 years: +0 %: 10080 mins: Summer	28.558	26.758	26.777	0.019	0.5	0.021	0.000	0.5	70.891	OK
FEH: 2 years: +0 %: 10080 mins: Winter	28.558	26.758	26.774	0.016	0.3	0.018	0.000	0.3	70.668	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S13-5: Rank By: Max. Depth

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
FEH: 2 years: +0 %: 15 mins: Summer	28.754	26.941	27.029	0.088	18.0	0.099	0.000	17.1	7.756	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.754	26.941	27.026	0.085	16.9	0.096	0.000	16.1	7.782	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.754	26.941	27.011	0.070	11.6	0.079	0.000	11.6	10.013	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.754	26.941	27.009	0.068	10.9	0.077	0.000	10.9	10.013	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.754	26.941	27.006	0.065	9.9	0.073	0.000	9.9	12.419	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.754	26.941	26.999	0.058	8.0	0.065	0.000	8.0	12.431	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.754	26.941	26.997	0.056	7.6	0.064	0.000	7.6	16.043	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.754	26.941	26.988	0.047	5.5	0.054	0.000	5.5	16.049	OK

FEH: 2 years: +0 %: 180 mins: Summer	28.754	26.941	26.991	0.050	6.2	0.057	0.000	6.2	18.419	OK
FEH: 2 years: +0 %: 180 mins: Winter	28.754	26.941	26.983	0.042	4.3	0.047	0.000	4.3	18.431	OK
FEH: 2 years: +0 %: 240 mins: Summer	28.754	26.941	26.987	0.046	5.2	0.052	0.000	5.2	20.243	OK
FEH: 2 years: +0 %: 240 mins: Winter	28.754	26.941	26.979	0.038	3.5	0.043	0.000	3.5	20.225	OK
FEH: 2 years: +0 %: 360 mins: Summer	28.754	26.941	26.982	0.041	4.1	0.046	0.000	4.1	22.979	OK
FEH: 2 years: +0 %: 360 mins: Winter	28.754	26.941	26.974	0.033	2.7	0.038	0.000	2.7	22.943	OK
FEH: 2 years: +0 %: 480 mins: Summer	28.754	26.941	26.978	0.037	3.4	0.042	0.000	3.4	25.115	OK
FEH: 2 years: +0 %: 480 mins: Winter	28.754	26.941	26.971	0.030	2.2	0.034	0.000	2.2	25.115	OK
FEH: 2 years: +0 %: 600 mins: Summer	28.754	26.941	26.976	0.035	2.9	0.039	0.000	2.9	26.897	OK
FEH: 2 years: +0 %: 600 mins: Winter	28.754	26.941	26.969	0.028	1.9	0.032	0.000	1.9	26.849	OK

FEH: 2 years: +0 %: 720 mins: Summer	28.754	26.941	26.974	0.033	2.6	0.037	0.000	2.6	28.397	OK
FEH: 2 years: +0 %: 720 mins: Winter	28.754	26.941	26.967	0.026	1.7	0.030	0.000	1.7	28.415	OK
FEH: 2 years: +0 %: 960 mins: Summer	28.754	26.941	26.971	0.030	2.1	0.033	0.000	2.1	30.953	OK
FEH: 2 years: +0 %: 960 mins: Winter	28.754	26.941	26.965	0.024	1.4	0.027	0.000	1.4	30.965	OK
FEH: 2 years: +0 %: 1440 mins: Summer	28.754	26.941	26.967	0.026	1.6	0.029	0.000	1.6	35.057	OK
FEH: 2 years: +0 %: 1440 mins: Winter	28.754	26.941	26.962	0.021	1.0	0.024	0.000	1.0	35.027	OK
FEH: 2 years: +0 %: 2160 mins: Summer	28.754	26.941	26.964	0.023	1.2	0.026	0.000	1.2	39.791	OK
FEH: 2 years: +0 %: 2160 mins: Winter	28.754	26.941	26.959	0.018	0.8	0.021	0.000	0.8	39.767	OK
FEH: 2 years: +0 %: 2880 mins: Summer	28.754	26.941	26.962	0.021	1.0	0.023	0.000	1.0	43.565	OK
FEH: 2 years: +0 %: 2880 mins: Winter	28.754	26.941	26.958	0.017	0.6	0.019	0.000	0.6	43.481	OK

FEH: 2 years: +0 %: 4320 mins: Summer	28.754	26.941	26.959	0.018	0.8	0.021	0.000	0.8	49.991	OK
FEH: 2 years: +0 %: 4320 mins: Winter	28.754	26.941	26.956	0.015	0.5	0.017	0.000	0.5	50.213	OK
FEH: 2 years: +0 %: 5760 mins: Summer	28.754	26.941	26.958	0.017	0.6	0.019	0.000	0.6	55.709	OK
FEH: 2 years: +0 %: 5760 mins: Winter	28.754	26.941	26.955	0.014	0.4	0.015	0.000	0.4	55.433	OK
FEH: 2 years: +0 %: 7200 mins: Summer	28.754	26.941	26.957	0.016	0.6	0.018	0.000	0.6	60.995	OK
FEH: 2 years: +0 %: 7200 mins: Winter	28.754	26.941	26.954	0.013	0.4	0.015	0.000	0.4	60.971	OK
FEH: 2 years: +0 %: 8640 mins: Summer	28.754	26.941	26.956	0.015	0.5	0.017	0.000	0.5	66.029	OK
FEH: 2 years: +0 %: 8640 mins: Winter	28.754	26.941	26.953	0.012	0.3	0.014	0.000	0.3	66.047	OK
FEH: 2 years: +0 %: 10080 mins: Summer	28.754	26.941	26.955	0.014	0.5	0.016	0.000	0.5	70.649	OK
FEH: 2 years: +0 %: 10080 mins: Winter	28.754	26.941	26.953	0.012	0.3	0.013	0.000	0.3	70.517	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S10-5: Rank By: Max. Depth

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
FEH: 2 years: +0 %: 15 mins: Summer	28.560	26.606	26.720	0.115	16.3	0.130	0.000	13.3	7.816	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.560	26.606	26.716	0.111	15.3	0.125	0.000	12.7	7.809	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.560	26.606	26.704	0.098	11.6	0.111	0.000	11.6	10.067	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.560	26.606	26.700	0.094	10.9	0.107	0.000	10.9	10.055	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.560	26.606	26.694	0.089	10.0	0.100	0.000	10.0	12.491	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.560	26.606	26.682	0.077	8.0	0.087	0.000	8.0	12.497	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.560	26.606	26.680	0.074	7.7	0.084	0.000	7.7	16.142	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.560	26.606	26.666	0.060	5.5	0.068	0.000	5.5	16.136	OK

FEH: 2 years: +0 %: 180 mins: Summer	28.560	26.606	26.670	0.065	6.2	0.073	0.000	6.2	18.531	OK
FEH: 2 years: +0 %: 180 mins: Winter	28.560	26.606	26.658	0.052	4.3	0.059	0.000	4.3	18.513	OK
FEH: 2 years: +0 %: 240 mins: Summer	28.560	26.606	26.664	0.058	5.3	0.066	0.000	5.3	20.337	OK
FEH: 2 years: +0 %: 240 mins: Winter	28.560	26.606	26.653	0.048	3.6	0.054	0.000	3.6	20.350	OK
FEH: 2 years: +0 %: 360 mins: Summer	28.560	26.606	26.657	0.051	4.1	0.058	0.000	4.1	23.091	OK
FEH: 2 years: +0 %: 360 mins: Winter	28.560	26.606	26.647	0.042	2.7	0.047	0.000	2.7	23.128	OK
FEH: 2 years: +0 %: 480 mins: Summer	28.560	26.606	26.653	0.047	3.4	0.053	0.000	3.4	25.276	OK
FEH: 2 years: +0 %: 480 mins: Winter	28.560	26.606	26.644	0.038	2.2	0.043	0.000	2.2	25.258	OK
FEH: 2 years: +0 %: 600 mins: Summer	28.560	26.606	26.649	0.044	3.0	0.049	0.000	3.0	27.046	OK
FEH: 2 years: +0 %: 600 mins: Winter	28.560	26.606	26.641	0.035	1.9	0.040	0.000	1.9	27.010	OK

FEH: 2 years: +0 %: 720 mins: Summer	28.560	26.606	26.647	0.041	2.6	0.046	0.000	2.6	28.559	OK
FEH: 2 years: +0 %: 720 mins: Winter	28.560	26.606	26.639	0.033	1.7	0.038	0.000	1.7	28.535	OK
FEH: 2 years: +0 %: 960 mins: Summer	28.560	26.606	26.643	0.037	2.1	0.042	0.000	2.1	31.157	OK
FEH: 2 years: +0 %: 960 mins: Winter	28.560	26.606	26.636	0.030	1.4	0.034	0.000	1.4	31.169	OK
FEH: 2 years: +0 %: 1440 mins: Summer	28.560	26.606	26.638	0.033	1.6	0.037	0.000	1.6	35.255	OK
FEH: 2 years: +0 %: 1440 mins: Winter	28.560	26.606	26.632	0.026	1.0	0.030	0.000	1.0	35.213	OK
FEH: 2 years: +0 %: 2160 mins: Summer	28.560	26.606	26.634	0.029	1.2	0.032	0.000	1.2	39.953	OK
FEH: 2 years: +0 %: 2160 mins: Winter	28.560	26.606	26.629	0.023	0.8	0.026	0.000	0.8	40.055	OK
FEH: 2 years: +0 %: 2880 mins: Summer	28.560	26.606	26.632	0.026	1.0	0.029	0.000	1.0	43.787	OK
FEH: 2 years: +0 %: 2880 mins: Winter	28.560	26.606	26.627	0.021	0.6	0.024	0.000	0.6	43.727	OK

FEH: 2 years: +0 %: 4320 mins: Summer	28.560	26.606	26.629	0.023	0.8	0.026	0.000	0.8	50.296	OK
FEH: 2 years: +0 %: 4320 mins: Winter	28.560	26.606	26.624	0.019	0.5	0.021	0.000	0.5	50.579	OK
FEH: 2 years: +0 %: 5760 mins: Summer	28.560	26.606	26.627	0.021	0.6	0.024	0.000	0.6	56.123	OK
FEH: 2 years: +0 %: 5760 mins: Winter	28.560	26.606	26.623	0.017	0.4	0.020	0.000	0.4	55.775	OK
FEH: 2 years: +0 %: 7200 mins: Summer	28.560	26.606	26.626	0.020	0.6	0.023	0.000	0.6	61.595	OK
FEH: 2 years: +0 %: 7200 mins: Winter	28.560	26.606	26.622	0.016	0.4	0.018	0.000	0.4	61.415	OK
FEH: 2 years: +0 %: 8640 mins: Summer	28.560	26.606	26.625	0.019	0.5	0.021	0.000	0.5	66.341	OK
FEH: 2 years: +0 %: 8640 mins: Winter	28.560	26.606	26.621	0.015	0.3	0.017	0.000	0.3	66.569	OK
FEH: 2 years: +0 %: 10080 mins: Summer	28.560	26.606	26.624	0.018	0.5	0.021	0.000	0.5	70.889	OK
FEH: 2 years: +0 %: 10080 mins: Winter	28.560	26.606	26.620	0.015	0.3	0.017	0.000	0.3	70.667	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S09-5: Rank By: Max. Depth

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
FEH: 2 years: +0 %: 15 mins: Summer	28.846	26.558	26.706	0.148	30.4	0.167	0.000	28.9	15.600	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.846	26.558	26.702	0.144	28.8	0.163	0.000	27.5	15.603	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.846	26.558	26.688	0.130	23.2	0.147	0.000	23.2	20.081	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.846	26.558	26.683	0.125	21.8	0.142	0.000	21.8	20.069	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.846	26.558	26.678	0.120	19.9	0.135	0.000	19.9	24.910	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.846	26.558	26.664	0.106	16.0	0.120	0.000	16.0	24.928	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.846	26.558	26.661	0.103	15.3	0.117	0.000	15.3	32.186	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.846	26.558	26.644	0.087	11.0	0.098	0.000	11.0	32.186	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 180 mins: Summer	28.846	26.558	26.650	0.092	12.4	0.104	0.000	12.4	36.951	OK
FEH: 2 years: +0 %: 180 mins: Winter	28.846	26.558	26.634	0.076	8.5	0.086	0.000	8.5	36.945	OK
FEH: 2 years: +0 %: 240 mins: Summer	28.846	26.558	26.642	0.085	10.5	0.096	0.000	10.5	40.581	OK
FEH: 2 years: +0 %: 240 mins: Winter	28.846	26.558	26.626	0.069	7.1	0.078	0.000	7.1	40.575	OK
FEH: 2 years: +0 %: 360 mins: Summer	28.846	26.558	26.632	0.074	8.2	0.084	0.000	8.2	46.069	OK
FEH: 2 years: +0 %: 360 mins: Winter	28.846	26.558	26.617	0.059	5.4	0.067	0.000	5.4	46.069	OK
FEH: 2 years: +0 %: 480 mins: Summer	28.846	26.558	26.625	0.067	6.8	0.076	0.000	6.8	50.387	OK
FEH: 2 years: +0 %: 480 mins: Winter	28.846	26.558	26.612	0.054	4.4	0.061	0.000	4.4	50.369	OK
FEH: 2 years: +0 %: 600 mins: Summer	28.846	26.558	26.620	0.062	5.9	0.070	0.000	5.9	53.938	OK
FEH: 2 years: +0 %: 600 mins: Winter	28.846	26.558	26.608	0.050	3.8	0.056	0.000	3.8	53.854	OK

FEH: 2 years: +0 %: 720 mins: Summer	28.846	26.558	26.616	0.058	5.2	0.066	0.000	5.2	56.949	OK
FEH: 2 years: +0 %: 720 mins: Winter	28.846	26.558	26.604	0.046	3.3	0.053	0.000	3.3	56.943	OK
FEH: 2 years: +0 %: 960 mins: Summer	28.846	26.558	26.611	0.053	4.2	0.059	0.000	4.2	62.102	OK
FEH: 2 years: +0 %: 960 mins: Winter	28.846	26.558	26.600	0.042	2.7	0.048	0.000	2.7	62.127	OK
FEH: 2 years: +0 %: 1440 mins: Summer	28.846	26.558	26.603	0.045	3.2	0.051	0.000	3.2	70.304	OK
FEH: 2 years: +0 %: 1440 mins: Winter	28.846	26.558	26.594	0.037	2.1	0.041	0.000	2.1	70.233	OK
FEH: 2 years: +0 %: 2160 mins: Summer	28.846	26.558	26.598	0.040	2.4	0.045	0.000	2.4	79.738	OK
FEH: 2 years: +0 %: 2160 mins: Winter	28.846	26.558	26.590	0.032	1.6	0.036	0.000	1.6	79.818	OK
FEH: 2 years: +0 %: 2880 mins: Summer	28.846	26.558	26.594	0.036	2.0	0.041	0.000	2.0	87.347	OK
FEH: 2 years: +0 %: 2880 mins: Winter	28.846	26.558	26.587	0.029	1.3	0.033	0.000	1.3	87.205	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 4320 mins: Summer	28.846	26.558	26.589	0.031	1.5	0.036	0.000	1.5	100.285	OK
FEH: 2 years: +0 %: 4320 mins: Winter	28.846	26.558	26.583	0.026	1.0	0.029	0.000	1.0	100.791	OK
FEH: 2 years: +0 %: 5760 mins: Summer	28.846	26.558	26.587	0.029	1.3	0.033	0.000	1.3	111.830	OK
FEH: 2 years: +0 %: 5760 mins: Winter	28.846	26.558	26.581	0.023	0.8	0.026	0.000	0.8	111.207	OK
FEH: 2 years: +0 %: 7200 mins: Summer	28.846	26.558	26.585	0.027	1.1	0.031	0.000	1.1	122.589	OK
FEH: 2 years: +0 %: 7200 mins: Winter	28.846	26.558	26.580	0.022	0.7	0.025	0.000	0.7	122.385	OK
FEH: 2 years: +0 %: 8640 mins: Summer	28.846	26.558	26.584	0.026	1.0	0.029	0.000	1.0	132.369	OK
FEH: 2 years: +0 %: 8640 mins: Winter	28.846	26.558	26.579	0.021	0.6	0.024	0.000	0.6	132.615	OK
FEH: 2 years: +0 %: 10080 mins: Summer	28.846	26.558	26.583	0.025	0.9	0.028	0.000	0.9	141.537	OK
FEH: 2 years: +0 %: 10080 mins: Winter	28.846	26.558	26.578	0.020	0.6	0.023	0.000	0.6	141.183	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S07-5: Rank By: Max. Depth

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
FEH: 2 years: +0 %: 15 mins: Summer	28.888	27.792	27.895	0.103	19.6	0.029	0.000	17.7	8.540	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.888	27.792	27.892	0.100	18.4	0.028	0.000	16.7	8.543	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.888	27.792	27.877	0.086	12.7	0.024	0.000	12.7	10.964	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.888	27.792	27.875	0.083	11.9	0.023	0.000	11.9	10.958	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.888	27.792	27.871	0.079	10.9	0.022	0.000	10.9	13.606	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.888	27.792	27.863	0.071	8.7	0.020	0.000	8.7	13.613	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.888	27.792	27.861	0.069	8.3	0.020	0.000	8.3	17.573	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.888	27.792	27.851	0.059	6.0	0.017	0.000	6.0	17.567	OK

FEH: 2 years: +0 %: 180 mins: Summer	28.888	27.792	27.854	0.062	6.7	0.018	0.000	6.7	20.159	OK
FEH: 2 years: +0 %: 180 mins: Winter	28.888	27.792	27.844	0.052	4.7	0.015	0.000	4.7	20.172	OK
FEH: 2 years: +0 %: 240 mins: Summer	28.888	27.792	27.849	0.058	5.7	0.016	0.000	5.7	22.134	OK
FEH: 2 years: +0 %: 240 mins: Winter	28.888	27.792	27.839	0.047	3.8	0.013	0.000	3.8	22.146	OK
FEH: 2 years: +0 %: 360 mins: Summer	28.888	27.792	27.843	0.051	4.4	0.014	0.000	4.4	25.128	OK
FEH: 2 years: +0 %: 360 mins: Winter	28.888	27.792	27.833	0.041	2.9	0.012	0.000	2.9	25.182	OK
FEH: 2 years: +0 %: 480 mins: Summer	28.888	27.792	27.838	0.047	3.7	0.013	0.000	3.7	27.516	OK
FEH: 2 years: +0 %: 480 mins: Winter	28.888	27.792	27.830	0.038	2.4	0.011	0.000	2.4	27.486	OK
FEH: 2 years: +0 %: 600 mins: Summer	28.888	27.792	27.835	0.043	3.2	0.012	0.000	3.2	29.418	OK
FEH: 2 years: +0 %: 600 mins: Winter	28.888	27.792	27.827	0.035	2.1	0.010	0.000	2.1	29.430	OK

FEH: 2 years: +0 %: 720 mins: Summer	28.888	27.792	27.833	0.041	2.8	0.012	0.000	2.8	31.074	OK
FEH: 2 years: +0 %: 720 mins: Winter	28.888	27.792	27.825	0.033	1.8	0.009	0.000	1.8	31.116	OK
FEH: 2 years: +0 %: 960 mins: Summer	28.888	27.792	27.829	0.037	2.3	0.010	0.000	2.3	33.924	OK
FEH: 2 years: +0 %: 960 mins: Winter	28.888	27.792	27.822	0.030	1.5	0.009	0.000	1.5	33.924	OK
FEH: 2 years: +0 %: 1440 mins: Summer	28.888	27.792	27.824	0.032	1.7	0.009	0.000	1.7	38.334	OK
FEH: 2 years: +0 %: 1440 mins: Winter	28.888	27.792	27.818	0.026	1.1	0.007	0.000	1.1	38.406	OK
FEH: 2 years: +0 %: 2160 mins: Summer	28.888	27.792	27.820	0.028	1.3	0.008	0.000	1.3	43.440	OK
FEH: 2 years: +0 %: 2160 mins: Winter	28.888	27.792	27.815	0.023	0.9	0.007	0.000	0.9	43.530	OK
FEH: 2 years: +0 %: 2880 mins: Summer	28.888	27.792	27.818	0.026	1.1	0.007	0.000	1.1	47.676	OK
FEH: 2 years: +0 %: 2880 mins: Winter	28.888	27.792	27.813	0.021	0.7	0.006	0.000	0.7	47.628	OK

FEH: 2 years: +0 %: 4320 mins: Summer	28.888	27.792	27.815	0.023	0.8	0.006	0.000	0.8	55.170	OK
FEH: 2 years: +0 %: 4320 mins: Winter	28.888	27.792	27.810	0.019	0.5	0.005	0.000	0.5	55.146	OK
FEH: 2 years: +0 %: 5760 mins: Summer	28.888	27.792	27.813	0.021	0.7	0.006	0.000	0.7	61.512	OK
FEH: 2 years: +0 %: 5760 mins: Winter	28.888	27.792	27.809	0.017	0.4	0.005	0.000	0.4	61.098	OK
FEH: 2 years: +0 %: 7200 mins: Summer	28.888	27.792	27.812	0.020	0.6	0.006	0.000	0.6	66.948	OK
FEH: 2 years: +0 %: 7200 mins: Winter	28.888	27.792	27.808	0.016	0.4	0.005	0.000	0.4	67.284	OK
FEH: 2 years: +0 %: 8640 mins: Summer	28.888	27.792	27.811	0.019	0.5	0.005	0.000	0.5	71.928	OK
FEH: 2 years: +0 %: 8640 mins: Winter	28.888	27.792	27.807	0.015	0.3	0.004	0.000	0.3	72.894	OK
FEH: 2 years: +0 %: 10080 mins: Summer	28.888	27.792	27.810	0.018	0.5	0.005	0.000	0.5	76.698	OK
FEH: 2 years: +0 %: 10080 mins: Winter	28.888	27.792	27.807	0.015	0.3	0.004	0.000	0.3	76.356	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S01 - 5: Rank By: Max. Depth

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
FEH: 30 years: +0 %: 15 mins: Summer	28.623	26.989	27.647	0.658	10.8	0.745	0.000	21.5	6.430	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	28.623	26.989	27.539	0.550	16.4	0.622	0.000	20.0	6.203	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	28.623	26.989	27.383	0.394	18.3	0.446	0.000	6.9	5.121	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	28.623	26.989	27.324	0.335	14.7	0.379	0.000	7.5	4.683	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	28.623	26.989	27.252	0.263	10.1	0.298	0.000	7.3	5.085	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.623	26.989	27.119	0.130	3.1	0.147	0.000	4.8	4.075	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.623	26.989	27.061	0.072	2.6	0.081	0.000	2.1	4.653	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.623	26.989	27.019	0.030	1.6	0.034	0.000	1.6	4.634	OK

FEH: 30 years: +0 %: 180 mins: Summer	28.623	26.989	27.020	0.031	1.7	0.035	0.000	1.7	5.091	OK
FEH: 30 years: +0 %: 180 mins: Winter	28.623	26.989	27.015	0.026	1.2	0.029	0.000	1.2	5.104	OK
FEH: 30 years: +0 %: 240 mins: Summer	28.623	26.989	27.017	0.028	1.4	0.032	0.000	1.4	5.458	OK
FEH: 30 years: +0 %: 240 mins: Winter	28.623	26.989	27.012	0.023	0.9	0.027	0.000	0.9	5.460	OK
FEH: 30 years: +0 %: 360 mins: Summer	28.623	26.989	27.014	0.025	1.1	0.028	0.000	1.1	6.006	OK
FEH: 30 years: +0 %: 360 mins: Winter	28.623	26.989	27.009	0.020	0.7	0.023	0.000	0.7	6.007	OK
FEH: 30 years: +0 %: 480 mins: Summer	28.623	26.989	27.012	0.023	0.9	0.025	0.000	0.9	6.432	OK
FEH: 30 years: +0 %: 480 mins: Winter	28.623	26.989	27.008	0.019	0.6	0.021	0.000	0.6	6.464	OK
FEH: 30 years: +0 %: 600 mins: Summer	28.623	26.989	27.010	0.021	0.7	0.024	0.000	0.7	6.793	OK
FEH: 30 years: +0 %: 600 mins: Winter	28.623	26.989	27.006	0.017	0.5	0.019	0.000	0.5	6.789	OK

FEH: 30 years: +0 %: 720 mins: Summer	28.623	26.989	27.009	0.020	0.6	0.022	0.000	0.6	7.117	OK
FEH: 30 years: +0 %: 720 mins: Winter	28.623	26.989	27.005	0.016	0.4	0.018	0.000	0.4	7.083	OK
FEH: 30 years: +0 %: 960 mins: Summer	28.623	26.989	27.007	0.018	0.5	0.020	0.000	0.5	7.658	OK
FEH: 30 years: +0 %: 960 mins: Winter	28.623	26.989	27.004	0.015	0.3	0.016	0.000	0.3	7.665	OK
FEH: 30 years: +0 %: 1440 mins: Summer	28.623	26.989	27.005	0.016	0.4	0.018	0.000	0.4	8.505	OK
FEH: 30 years: +0 %: 1440 mins: Winter	28.623	26.989	27.002	0.013	0.3	0.014	0.000	0.3	8.458	OK
FEH: 30 years: +0 %: 2160 mins: Summer	28.623	26.989	27.003	0.014	0.3	0.015	0.000	0.3	9.501	OK
FEH: 30 years: +0 %: 2160 mins: Winter	28.623	26.989	27.000	0.011	0.2	0.012	0.000	0.2	9.382	OK
FEH: 30 years: +0 %: 2880 mins: Summer	28.623	26.989	27.001	0.012	0.2	0.014	0.000	0.2	10.197	OK
FEH: 30 years: +0 %: 2880 mins: Winter	28.623	26.989	26.999	0.010	0.2	0.011	0.000	0.2	10.396	OK

FEH: 30 years: +0 %: 4320 mins: Summer	28.623	26.989	27.000	0.011	0.2	0.012	0.000	0.2	11.667	OK
FEH: 30 years: +0 %: 4320 mins: Winter	28.623	26.989	26.997	0.008	0.1	0.009	0.000	0.1	11.602	OK
FEH: 30 years: +0 %: 5760 mins: Summer	28.623	26.989	26.998	0.009	0.1	0.010	0.000	0.1	12.574	OK
FEH: 30 years: +0 %: 5760 mins: Winter	28.623	26.989	26.996	0.007	0.1	0.008	0.000	0.1	12.983	OK
FEH: 30 years: +0 %: 7200 mins: Summer	28.623	26.989	26.997	0.008	0.1	0.010	0.000	0.1	13.486	OK
FEH: 30 years: +0 %: 7200 mins: Winter	28.623	26.989	26.996	0.007	0.1	0.007	0.000	0.1	13.475	OK
FEH: 30 years: +0 %: 8640 mins: Summer	28.623	26.989	26.997	0.008	0.1	0.009	0.000	0.1	14.410	OK
FEH: 30 years: +0 %: 8640 mins: Winter	28.623	26.989	26.995	0.006	0.1	0.007	0.000	0.1	14.405	OK
FEH: 30 years: +0 %: 10080 mins: Summer	28.623	26.989	26.997	0.008	0.1	0.009	0.000	0.1	15.478	OK
FEH: 30 years: +0 %: 10080 mins: Winter	28.623	26.989	26.995	0.006	0.1	0.007	0.000	0.1	15.353	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S03 - 5: Rank By: Max. Depth

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
FEH: 30 years: +0 %: 15 mins: Summer	28.792	26.748	27.439	0.691	145.7	0.781	0.000	138.2	75.413	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	28.792	26.748	27.371	0.623	132.8	0.704	0.000	128.1	75.412	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	28.792	26.748	27.271	0.523	112.8	0.591	0.000	112.7	98.429	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	28.792	26.748	27.227	0.479	105.7	0.541	0.000	105.6	98.422	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	28.792	26.748	27.171	0.423	97.8	0.478	0.000	97.7	123.188	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	28.792	26.748	27.065	0.317	78.3	0.358	0.000	78.2	123.198	Surcharged
FEH: 30 years: +0 %: 120 mins: Summer	28.792	26.748	27.023	0.275	68.4	0.311	0.000	68.4	144.657	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.792	26.748	26.960	0.212	49.4	0.240	0.000	49.4	144.638	OK

FEH: 30 years: +0 %: 180 mins: Summer	28.792	26.748	26.972	0.224	53.3	0.253	0.000	53.3	159.100	OK
FEH: 30 years: +0 %: 180 mins: Winter	28.792	26.748	26.921	0.173	36.7	0.196	0.000	36.7	159.117	OK
FEH: 30 years: +0 %: 240 mins: Summer	28.792	26.748	26.944	0.196	44.1	0.221	0.000	44.1	170.280	OK
FEH: 30 years: +0 %: 240 mins: Winter	28.792	26.748	26.899	0.151	29.7	0.171	0.000	29.7	170.261	OK
FEH: 30 years: +0 %: 360 mins: Summer	28.792	26.748	26.910	0.162	33.2	0.184	0.000	33.2	187.373	OK
FEH: 30 years: +0 %: 360 mins: Winter	28.792	26.748	26.874	0.126	21.8	0.142	0.000	21.8	187.402	OK
FEH: 30 years: +0 %: 480 mins: Summer	28.792	26.748	26.892	0.144	27.2	0.162	0.000	27.2	200.784	OK
FEH: 30 years: +0 %: 480 mins: Winter	28.792	26.748	26.859	0.111	17.6	0.125	0.000	17.6	200.820	OK
FEH: 30 years: +0 %: 600 mins: Summer	28.792	26.748	26.878	0.130	23.1	0.147	0.000	23.1	212.010	OK
FEH: 30 years: +0 %: 600 mins: Winter	28.792	26.748	26.849	0.101	14.9	0.114	0.000	14.9	212.004	OK

FEH: 30 years: +0 %: 720 mins: Summer	28.792	26.748	26.868	0.120	20.1	0.135	0.000	20.1	221.869	OK
FEH: 30 years: +0 %: 720 mins: Winter	28.792	26.748	26.841	0.093	13.0	0.105	0.000	13.0	221.808	OK
FEH: 30 years: +0 %: 960 mins: Summer	28.792	26.748	26.854	0.106	16.2	0.120	0.000	16.2	238.483	OK
FEH: 30 years: +0 %: 960 mins: Winter	28.792	26.748	26.831	0.083	10.5	0.094	0.000	10.5	238.464	OK
FEH: 30 years: +0 %: 1440 mins: Summer	28.792	26.748	26.837	0.089	12.0	0.101	0.000	12.0	265.057	OK
FEH: 30 years: +0 %: 1440 mins: Winter	28.792	26.748	26.827	0.079	7.8	0.090	0.000	7.8	264.942	OK
FEH: 30 years: +0 %: 2160 mins: Summer	28.792	26.748	26.826	0.078	8.9	0.088	0.000	8.9	295.513	OK
FEH: 30 years: +0 %: 2160 mins: Winter	28.792	26.748	26.819	0.071	5.8	0.080	0.000	5.8	295.133	OK
FEH: 30 years: +0 %: 2880 mins: Summer	28.792	26.748	26.820	0.072	7.3	0.082	0.000	7.3	320.325	OK
FEH: 30 years: +0 %: 2880 mins: Winter	28.792	26.748	26.807	0.059	4.7	0.067	0.000	4.7	320.086	OK

FEH: 30 years: +0 %: 4320 mins: Summer	28.792	26.748	26.807	0.059	5.5	0.066	0.000	5.5	361.121	OK
FEH: 30 years: +0 %: 4320 mins: Winter	28.792	26.748	26.795	0.047	3.5	0.053	0.000	3.5	361.184	OK
FEH: 30 years: +0 %: 5760 mins: Summer	28.792	26.748	26.801	0.053	4.5	0.060	0.000	4.5	396.286	OK
FEH: 30 years: +0 %: 5760 mins: Winter	28.792	26.748	26.790	0.042	2.9	0.048	0.000	2.9	396.312	OK
FEH: 30 years: +0 %: 7200 mins: Summer	28.792	26.748	26.797	0.049	3.9	0.056	0.000	3.9	428.379	OK
FEH: 30 years: +0 %: 7200 mins: Winter	28.792	26.748	26.787	0.039	2.5	0.045	0.000	2.5	428.772	OK
FEH: 30 years: +0 %: 8640 mins: Summer	28.792	26.748	26.794	0.046	3.5	0.052	0.000	3.5	458.294	OK
FEH: 30 years: +0 %: 8640 mins: Winter	28.792	26.748	26.785	0.037	2.2	0.042	0.000	2.2	459.270	OK
FEH: 30 years: +0 %: 10080 mins: Summer	28.792	26.748	26.792	0.044	3.2	0.050	0.000	3.2	487.711	OK
FEH: 30 years: +0 %: 10080 mins: Winter	28.792	26.748	26.784	0.036	2.0	0.040	0.000	2.0	488.166	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S02 - 5: Rank By: Max. Depth

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
FEH: 30 years: +0 %: 15 mins: Summer	28.622	26.824	27.614	0.790	109.7	0.894	0.000	87.3	53.468	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	28.622	26.824	27.509	0.685	103.0	0.774	0.000	77.9	53.283	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	28.622	26.824	27.382	0.558	74.7	0.631	0.000	74.6	67.273	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	28.622	26.824	27.323	0.499	70.0	0.565	0.000	69.8	66.875	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	28.622	26.824	27.252	0.428	64.8	0.484	0.000	64.7	82.912	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	28.622	26.824	27.118	0.294	52.0	0.333	0.000	51.7	81.898	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.622	26.824	27.060	0.236	45.5	0.267	0.000	45.4	96.026	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.622	26.824	26.994	0.170	32.8	0.193	0.000	32.8	95.999	OK

FEH: 30 years: +0 %: 180 mins: Summer	28.622	26.824	27.006	0.182	35.4	0.206	0.000	35.4	105.581	OK
FEH: 30 years: +0 %: 180 mins: Winter	28.622	26.824	26.959	0.135	24.4	0.153	0.000	24.4	105.599	OK
FEH: 30 years: +0 %: 240 mins: Summer	28.622	26.824	26.979	0.155	29.3	0.176	0.000	29.3	113.015	OK
FEH: 30 years: +0 %: 240 mins: Winter	28.622	26.824	26.941	0.117	19.7	0.132	0.000	19.7	113.009	OK
FEH: 30 years: +0 %: 360 mins: Summer	28.622	26.824	26.950	0.126	22.0	0.142	0.000	22.0	124.338	OK
FEH: 30 years: +0 %: 360 mins: Winter	28.622	26.824	26.920	0.096	14.5	0.108	0.000	14.5	124.356	OK
FEH: 30 years: +0 %: 480 mins: Summer	28.622	26.824	26.934	0.110	18.1	0.125	0.000	18.1	133.264	OK
FEH: 30 years: +0 %: 480 mins: Winter	28.622	26.824	26.908	0.084	11.7	0.095	0.000	11.7	133.276	OK
FEH: 30 years: +0 %: 600 mins: Summer	28.622	26.824	26.923	0.099	15.3	0.112	0.000	15.3	140.713	OK
FEH: 30 years: +0 %: 600 mins: Winter	28.622	26.824	26.900	0.076	9.9	0.086	0.000	9.9	140.713	OK

FEH: 30 years: +0 %: 720 mins: Summer	28.622	26.824	26.915	0.091	13.4	0.103	0.000	13.4	147.242	OK
FEH: 30 years: +0 %: 720 mins: Winter	28.622	26.824	26.895	0.071	8.6	0.080	0.000	8.6	147.195	OK
FEH: 30 years: +0 %: 960 mins: Summer	28.622	26.824	26.904	0.080	10.8	0.091	0.000	10.8	158.308	OK
FEH: 30 years: +0 %: 960 mins: Winter	28.622	26.824	26.887	0.063	6.9	0.071	0.000	6.9	158.260	OK
FEH: 30 years: +0 %: 1440 mins: Summer	28.622	26.824	26.892	0.068	8.0	0.076	0.000	8.0	175.865	OK
FEH: 30 years: +0 %: 1440 mins: Winter	28.622	26.824	26.878	0.054	5.2	0.062	0.000	5.2	175.859	OK
FEH: 30 years: +0 %: 2160 mins: Summer	28.622	26.824	26.882	0.058	5.9	0.066	0.000	5.9	196.089	OK
FEH: 30 years: +0 %: 2160 mins: Winter	28.622	26.824	26.871	0.047	3.8	0.053	0.000	3.8	195.897	OK
FEH: 30 years: +0 %: 2880 mins: Summer	28.622	26.824	26.877	0.053	4.8	0.060	0.000	4.8	212.429	OK
FEH: 30 years: +0 %: 2880 mins: Winter	28.622	26.824	26.867	0.043	3.1	0.048	0.000	3.1	212.559	OK

FEH: 30 years: +0 %: 4320 mins: Summer	28.622	26.824	26.870	0.046	3.6	0.052	0.000	3.6	239.839	OK
FEH: 30 years: +0 %: 4320 mins: Winter	28.622	26.824	26.861	0.037	2.3	0.042	0.000	2.3	239.705	OK
FEH: 30 years: +0 %: 5760 mins: Summer	28.622	26.824	26.866	0.042	3.0	0.047	0.000	3.0	262.878	OK
FEH: 30 years: +0 %: 5760 mins: Winter	28.622	26.824	26.858	0.034	1.9	0.038	0.000	1.9	263.129	OK
FEH: 30 years: +0 %: 7200 mins: Summer	28.622	26.824	26.863	0.039	2.6	0.044	0.000	2.6	284.339	OK
FEH: 30 years: +0 %: 7200 mins: Winter	28.622	26.824	26.856	0.032	1.7	0.036	0.000	1.7	284.315	OK
FEH: 30 years: +0 %: 8640 mins: Summer	28.622	26.824	26.861	0.037	2.3	0.042	0.000	2.3	304.103	OK
FEH: 30 years: +0 %: 8640 mins: Winter	28.622	26.824	26.854	0.030	1.5	0.034	0.000	1.5	304.193	OK
FEH: 30 years: +0 %: 10080 mins: Summer	28.622	26.824	26.859	0.035	2.1	0.040	0.000	2.1	323.693	OK
FEH: 30 years: +0 %: 10080 mins: Winter	28.622	26.824	26.853	0.029	1.4	0.032	0.000	1.4	324.275	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S04 - 5: Rank By: Max. Depth

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
FEH: 30 years: +0 %: 15 mins: Summer	28.502	26.251	26.488	0.238	2.4	0.269	0.000	2.2	2.681	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	28.502	26.251	26.488	0.238	2.4	0.269	0.000	2.2	2.693	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	28.502	26.251	26.554	0.303	2.5	0.343	0.000	2.3	6.143	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	28.502	26.251	26.554	0.303	2.5	0.343	0.000	2.3	6.169	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	28.502	26.251	26.623	0.372	2.5	0.421	0.000	2.3	13.032	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	28.502	26.251	26.623	0.372	2.5	0.421	0.000	2.3	13.122	Surcharged
FEH: 30 years: +0 %: 120 mins: Summer	28.502	26.251	26.677	0.426	2.4	0.482	0.000	2.3	26.816	Surcharged
FEH: 30 years: +0 %: 120 mins: Winter	28.502	26.251	26.677	0.426	2.4	0.482	0.000	2.3	27.003	Surcharged

FEH: 30 years: +0 %: 180 mins: Summer	28.502	26.251	26.709	0.459	2.4	0.519	0.000	2.3	40.594	Surcharged
FEH: 30 years: +0 %: 180 mins: Winter	28.502	26.251	26.709	0.459	2.4	0.519	0.000	2.3	40.871	Surcharged
FEH: 30 years: +0 %: 240 mins: Summer	28.502	26.251	26.733	0.482	2.4	0.545	0.000	2.3	54.372	Surcharged
FEH: 30 years: +0 %: 240 mins: Winter	28.502	26.251	26.733	0.482	2.4	0.545	0.000	2.3	54.734	Surcharged
FEH: 30 years: +0 %: 360 mins: Summer	28.502	26.251	26.764	0.513	2.4	0.580	0.000	2.3	81.898	Surcharged
FEH: 30 years: +0 %: 360 mins: Winter	28.502	26.251	26.764	0.513	2.3	0.580	0.000	2.3	82.432	Surcharged
FEH: 30 years: +0 %: 480 mins: Summer	28.502	26.251	26.784	0.533	2.4	0.603	0.000	2.3	109.463	Surcharged
FEH: 30 years: +0 %: 480 mins: Winter	28.502	26.251	26.784	0.533	2.3	0.603	0.000	2.3	110.180	Surcharged
FEH: 30 years: +0 %: 600 mins: Summer	28.502	26.251	26.798	0.547	2.3	0.619	0.000	2.3	137.084	Surcharged
FEH: 30 years: +0 %: 600 mins: Winter	28.502	26.251	26.798	0.547	2.3	0.619	0.000	2.3	137.992	Surcharged

FEH: 30 years: +0 %: 720 mins: Summer	28.502	26.251	26.808	0.557	2.3	0.630	0.000	2.3	164.752	Surcharged
FEH: 30 years: +0 %: 720 mins: Winter	28.502	26.251	26.808	0.557	2.3	0.630	0.000	2.3	165.870	Surcharged
FEH: 30 years: +0 %: 960 mins: Summer	28.502	26.251	26.820	0.569	2.3	0.643	0.000	2.3	220.368	Surcharged
FEH: 30 years: +0 %: 960 mins: Winter	28.502	26.251	26.820	0.570	2.3	0.644	0.000	2.3	221.938	Surcharged
FEH: 30 years: +0 %: 1440 mins: Summer	28.502	26.251	26.826	0.575	2.3	0.650	0.000	2.3	332.399	Surcharged
FEH: 30 years: +0 %: 1440 mins: Winter	28.502	26.251	26.826	0.576	2.3	0.651	0.000	2.3	335.009	Surcharged
FEH: 30 years: +0 %: 2160 mins: Summer	28.502	26.251	26.825	0.574	2.3	0.649	0.000	2.3	491.873	Surcharged
FEH: 30 years: +0 %: 2160 mins: Winter	28.502	26.251	26.818	0.567	2.3	0.641	0.000	2.3	495.078	Surcharged
FEH: 30 years: +0 %: 2880 mins: Summer	28.502	26.251	26.819	0.568	2.3	0.643	0.000	2.3	585.391	Surcharged
FEH: 30 years: +0 %: 2880 mins: Winter	28.502	26.251	26.806	0.555	2.3	0.628	0.000	2.3	586.567	Surcharged

FEH: 30 years: +0 %: 4320 mins: Summer	28.502	26.251	26.802	0.551	2.3	0.624	0.000	2.3	677.860	Surcharged
FEH: 30 years: +0 %: 4320 mins: Winter	28.502	26.251	26.772	0.521	2.3	0.589	0.000	2.3	677.698	Surcharged
FEH: 30 years: +0 %: 5760 mins: Summer	28.502	26.251	26.783	0.532	2.3	0.602	0.000	2.3	744.825	Surcharged
FEH: 30 years: +0 %: 5760 mins: Winter	28.502	26.251	26.734	0.483	2.3	0.546	0.000	2.3	745.691	Surcharged
FEH: 30 years: +0 %: 7200 mins: Summer	28.502	26.251	26.766	0.516	2.3	0.583	0.000	2.3	806.154	Surcharged
FEH: 30 years: +0 %: 7200 mins: Winter	28.502	26.251	26.698	0.448	2.3	0.506	0.000	2.3	806.249	Surcharged
FEH: 30 years: +0 %: 8640 mins: Summer	28.502	26.251	26.748	0.497	2.3	0.562	0.000	2.3	862.037	Surcharged
FEH: 30 years: +0 %: 8640 mins: Winter	28.502	26.251	26.664	0.413	2.3	0.467	0.000	2.3	863.410	Surcharged
FEH: 30 years: +0 %: 10080 mins: Summer	28.502	26.251	26.733	0.482	2.3	0.545	0.000	2.3	919.031	Surcharged
FEH: 30 years: +0 %: 10080 mins: Winter	28.502	26.251	26.633	0.383	2.3	0.433	0.000	2.3	918.688	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S12 -5: Rank By: Max. Depth

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
FEH: 30 years: +0 %: 15 mins: Summer	28.755	27.012	27.151	0.139	36.2	0.158	0.000	35.1	15.707	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.755	27.012	27.146	0.134	33.9	0.151	0.000	33.0	15.704	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.755	27.012	27.119	0.107	23.7	0.122	0.000	23.7	20.495	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.755	27.012	27.115	0.103	22.2	0.117	0.000	22.2	20.495	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.755	27.012	27.111	0.099	20.5	0.112	0.000	20.5	25.643	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.755	27.012	27.099	0.087	16.5	0.098	0.000	16.5	25.649	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.755	27.012	27.092	0.080	14.3	0.091	0.000	14.3	30.113	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.755	27.012	27.079	0.067	10.3	0.076	0.000	10.3	30.107	OK

FEH: 30 years: +0 %: 180 mins: Summer	28.755	27.012	27.082	0.070	11.1	0.079	0.000	11.1	33.131	OK
FEH: 30 years: +0 %: 180 mins: Winter	28.755	27.012	27.069	0.057	7.7	0.065	0.000	7.7	33.119	OK
FEH: 30 years: +0 %: 240 mins: Summer	28.755	27.012	27.075	0.063	9.2	0.071	0.000	9.2	35.453	OK
FEH: 30 years: +0 %: 240 mins: Winter	28.755	27.012	27.063	0.051	6.2	0.058	0.000	6.2	35.447	OK
FEH: 30 years: +0 %: 360 mins: Summer	28.755	27.012	27.066	0.054	6.9	0.061	0.000	6.9	38.993	OK
FEH: 30 years: +0 %: 360 mins: Winter	28.755	27.012	27.056	0.044	4.6	0.049	0.000	4.6	38.993	OK
FEH: 30 years: +0 %: 480 mins: Summer	28.755	27.012	27.061	0.049	5.7	0.055	0.000	5.7	41.789	OK
FEH: 30 years: +0 %: 480 mins: Winter	28.755	27.012	27.051	0.039	3.7	0.044	0.000	3.7	41.819	OK
FEH: 30 years: +0 %: 600 mins: Summer	28.755	27.012	27.057	0.045	4.8	0.051	0.000	4.8	44.117	OK
FEH: 30 years: +0 %: 600 mins: Winter	28.755	27.012	27.048	0.036	3.1	0.041	0.000	3.1	44.153	OK

FEH: 30 years: +0 %: 720 mins: Summer	28.755	27.012	27.054	0.042	4.2	0.047	0.000	4.2	46.175	OK
FEH: 30 years: +0 %: 720 mins: Winter	28.755	27.012	27.046	0.034	2.7	0.038	0.000	2.7	46.187	OK
FEH: 30 years: +0 %: 960 mins: Summer	28.755	27.012	27.050	0.038	3.4	0.043	0.000	3.4	49.667	OK
FEH: 30 years: +0 %: 960 mins: Winter	28.755	27.012	27.042	0.030	2.2	0.034	0.000	2.2	49.625	OK
FEH: 30 years: +0 %: 1440 mins: Summer	28.755	27.012	27.044	0.032	2.5	0.037	0.000	2.5	55.187	OK
FEH: 30 years: +0 %: 1440 mins: Winter	28.755	27.012	27.038	0.026	1.6	0.030	0.000	1.6	55.079	OK
FEH: 30 years: +0 %: 2160 mins: Summer	28.755	27.012	27.040	0.028	1.9	0.032	0.000	1.9	61.535	OK
FEH: 30 years: +0 %: 2160 mins: Winter	28.755	27.012	27.035	0.023	1.2	0.026	0.000	1.2	61.433	OK
FEH: 30 years: +0 %: 2880 mins: Summer	28.755	27.012	27.037	0.025	1.5	0.029	0.000	1.5	66.671	OK
FEH: 30 years: +0 %: 2880 mins: Winter	28.755	27.012	27.033	0.021	1.0	0.023	0.000	1.0	66.551	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 4320 mins: Summer	28.755	27.012	27.034	0.022	1.1	0.025	0.000	1.1	75.215	OK
FEH: 30 years: +0 %: 4320 mins: Winter	28.755	27.012	27.030	0.018	0.7	0.020	0.000	0.7	75.203	OK
FEH: 30 years: +0 %: 5760 mins: Summer	28.755	27.012	27.032	0.020	0.9	0.023	0.000	0.9	82.541	OK
FEH: 30 years: +0 %: 5760 mins: Winter	28.755	27.012	27.028	0.016	0.6	0.018	0.000	0.6	82.673	OK
FEH: 30 years: +0 %: 7200 mins: Summer	28.755	27.012	27.031	0.019	0.8	0.021	0.000	0.8	89.249	OK
FEH: 30 years: +0 %: 7200 mins: Winter	28.755	27.012	27.027	0.015	0.5	0.017	0.000	0.5	89.411	OK
FEH: 30 years: +0 %: 8640 mins: Summer	28.755	27.012	27.030	0.018	0.7	0.020	0.000	0.7	95.201	OK
FEH: 30 years: +0 %: 8640 mins: Winter	28.755	27.012	27.027	0.015	0.5	0.016	0.000	0.5	95.495	OK
FEH: 30 years: +0 %: 10080 mins: Summer	28.755	27.012	27.029	0.017	0.7	0.019	0.000	0.7	101.735	OK
FEH: 30 years: +0 %: 10080 mins: Winter	28.755	27.012	27.026	0.014	0.4	0.016	0.000	0.4	101.723	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S06 - 5 : Rank By: Max. Depth

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
FEH: 30 years: +0 %: 15 mins: Summer	28.888	27.629	27.819	0.190	77.6	0.054	0.000	73.9	35.244	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.888	27.629	27.812	0.183	73.0	0.052	0.000	69.8	35.246	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.888	27.629	27.781	0.152	53.1	0.043	0.000	53.1	46.016	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.888	27.629	27.775	0.146	49.8	0.041	0.000	49.8	46.010	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.888	27.629	27.769	0.139	46.1	0.039	0.000	46.1	57.598	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.888	27.629	27.752	0.122	37.1	0.035	0.000	37.1	57.586	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.888	27.629	27.742	0.113	32.1	0.032	0.000	32.1	67.625	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.888	27.629	27.723	0.094	23.1	0.026	0.000	23.1	67.619	OK

FEH: 30 years: +0 %: 180 mins: Summer	28.888	27.629	27.727	0.098	24.9	0.028	0.000	24.9	74.369	OK
FEH: 30 years: +0 %: 180 mins: Winter	28.888	27.629	27.709	0.080	17.2	0.023	0.000	17.2	74.399	OK
FEH: 30 years: +0 %: 240 mins: Summer	28.888	27.629	27.717	0.088	20.6	0.025	0.000	20.6	79.613	OK
FEH: 30 years: +0 %: 240 mins: Winter	28.888	27.629	27.700	0.071	13.9	0.020	0.000	13.9	79.607	OK
FEH: 30 years: +0 %: 360 mins: Summer	28.888	27.629	27.705	0.075	15.5	0.021	0.000	15.5	87.605	OK
FEH: 30 years: +0 %: 360 mins: Winter	28.888	27.629	27.690	0.061	10.2	0.017	0.000	10.2	87.575	OK
FEH: 30 years: +0 %: 480 mins: Summer	28.888	27.629	27.697	0.068	12.7	0.019	0.000	12.7	93.863	OK
FEH: 30 years: +0 %: 480 mins: Winter	28.888	27.629	27.683	0.054	8.2	0.015	0.000	8.2	93.935	OK
FEH: 30 years: +0 %: 600 mins: Summer	28.888	27.629	27.691	0.062	10.8	0.018	0.000	10.8	99.125	OK
FEH: 30 years: +0 %: 600 mins: Winter	28.888	27.629	27.679	0.050	7.0	0.014	0.000	7.0	99.179	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 720 mins: Summer	28.888	27.629	27.687	0.058	9.4	0.016	0.000	9.4	103.721	OK
FEH: 30 years: +0 %: 720 mins: Winter	28.888	27.629	27.675	0.046	6.1	0.013	0.000	6.1	103.655	OK
FEH: 30 years: +0 %: 960 mins: Summer	28.888	27.629	27.681	0.052	7.6	0.015	0.000	7.6	111.497	OK
FEH: 30 years: +0 %: 960 mins: Winter	28.888	27.629	27.671	0.042	4.9	0.012	0.000	4.9	111.395	OK
FEH: 30 years: +0 %: 1440 mins: Summer	28.888	27.629	27.674	0.045	5.6	0.013	0.000	5.6	123.929	OK
FEH: 30 years: +0 %: 1440 mins: Winter	28.888	27.629	27.665	0.036	3.6	0.010	0.000	3.6	123.749	OK
FEH: 30 years: +0 %: 2160 mins: Summer	28.888	27.629	27.668	0.038	4.2	0.011	0.000	4.2	138.245	OK
FEH: 30 years: +0 %: 2160 mins: Winter	28.888	27.629	27.660	0.031	2.7	0.009	0.000	2.7	138.017	OK
FEH: 30 years: +0 %: 2880 mins: Summer	28.888	27.629	27.664	0.035	3.4	0.010	0.000	3.4	149.447	OK
FEH: 30 years: +0 %: 2880 mins: Winter	28.888	27.629	27.657	0.028	2.2	0.008	0.000	2.2	149.711	OK

FEH: 30 years: +0 %: 4320 mins: Summer	28.888	27.629	27.659	0.030	2.6	0.009	0.000	2.6	169.001	OK
FEH: 30 years: +0 %: 4320 mins: Winter	28.888	27.629	27.654	0.024	1.6	0.007	0.000	1.6	168.743	OK
FEH: 30 years: +0 %: 5760 mins: Summer	28.888	27.629	27.657	0.028	2.1	0.008	0.000	2.1	185.399	OK
FEH: 30 years: +0 %: 5760 mins: Winter	28.888	27.629	27.651	0.022	1.3	0.006	0.000	1.3	185.795	OK
FEH: 30 years: +0 %: 7200 mins: Summer	28.888	27.629	27.655	0.026	1.8	0.007	0.000	1.8	200.867	OK
FEH: 30 years: +0 %: 7200 mins: Winter	28.888	27.629	27.650	0.021	1.2	0.006	0.000	1.2	200.447	OK
FEH: 30 years: +0 %: 8640 mins: Summer	28.888	27.629	27.653	0.024	1.6	0.007	0.000	1.6	214.373	OK
FEH: 30 years: +0 %: 8640 mins: Winter	28.888	27.629	27.649	0.020	1.0	0.006	0.000	1.0	214.529	OK
FEH: 30 years: +0 %: 10080 mins: Summer	28.888	27.629	27.652	0.023	1.5	0.007	0.000	1.5	229.013	OK
FEH: 30 years: +0 %: 10080 mins: Winter	28.888	27.629	27.648	0.019	0.9	0.005	0.000	0.9	228.479	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S14 - 5: Rank By: Max. Depth

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
FEH: 30 years: +0 %: 15 mins: Summer	27.850	27.250	27.660	0.410	7.7	0.083	0.000	1.7	3.037	Flood Risk
FEH: 30 years: +0 %: 15 mins: Winter	27.850	27.250	27.549	0.299	12.0	0.061	0.000	1.8	2.993	OK
FEH: 30 years: +0 %: 30 mins: Summer	27.850	27.250	27.384	0.134	3.7	0.027	0.000	3.5	3.203	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.850	27.250	27.325	0.075	3.4	0.015	0.000	3.3	3.167	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.850	27.250	27.283	0.033	3.2	0.007	0.000	3.2	3.956	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.850	27.250	27.280	0.030	2.5	0.006	0.000	2.5	3.958	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.850	27.250	27.279	0.029	2.2	0.006	0.000	2.2	4.646	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.850	27.250	27.275	0.025	1.6	0.005	0.000	1.6	4.645	OK

FEH: 30 years: +0 %: 180 mins: Summer	27.850	27.250	27.276	0.026	1.7	0.005	0.000	1.7	5.101	OK
FEH: 30 years: +0 %: 180 mins: Winter	27.850	27.250	27.272	0.022	1.2	0.004	0.000	1.2	5.113	OK
FEH: 30 years: +0 %: 240 mins: Summer	27.850	27.250	27.274	0.024	1.4	0.005	0.000	1.4	5.467	OK
FEH: 30 years: +0 %: 240 mins: Winter	27.850	27.250	27.270	0.020	0.9	0.004	0.000	0.9	5.466	OK
FEH: 30 years: +0 %: 360 mins: Summer	27.850	27.250	27.271	0.021	1.1	0.004	0.000	1.1	6.012	OK
FEH: 30 years: +0 %: 360 mins: Winter	27.850	27.250	27.267	0.017	0.7	0.004	0.000	0.7	6.012	OK
FEH: 30 years: +0 %: 480 mins: Summer	27.850	27.250	27.269	0.019	0.9	0.004	0.000	0.9	6.438	OK
FEH: 30 years: +0 %: 480 mins: Winter	27.850	27.250	27.266	0.016	0.6	0.003	0.000	0.6	6.468	OK
FEH: 30 years: +0 %: 600 mins: Summer	27.850	27.250	27.268	0.018	0.7	0.004	0.000	0.7	6.798	OK
FEH: 30 years: +0 %: 600 mins: Winter	27.850	27.250	27.265	0.015	0.5	0.003	0.000	0.5	6.792	OK

FEH: 30 years: +0 %: 720 mins: Summer	27.850	27.250	27.267	0.017	0.6	0.003	0.000	0.6	7.122	OK
FEH: 30 years: +0 %: 720 mins: Winter	27.850	27.250	27.264	0.014	0.4	0.003	0.000	0.4	7.086	OK
FEH: 30 years: +0 %: 960 mins: Summer	27.850	27.250	27.265	0.015	0.5	0.003	0.000	0.5	7.662	OK
FEH: 30 years: +0 %: 960 mins: Winter	27.850	27.250	27.262	0.012	0.3	0.003	0.000	0.3	7.668	OK
FEH: 30 years: +0 %: 1440 mins: Summer	27.850	27.250	27.263	0.013	0.4	0.003	0.000	0.4	8.508	OK
FEH: 30 years: +0 %: 1440 mins: Winter	27.850	27.250	27.261	0.011	0.3	0.002	0.000	0.3	8.460	OK
FEH: 30 years: +0 %: 2160 mins: Summer	27.850	27.250	27.262	0.012	0.3	0.002	0.000	0.3	9.504	OK
FEH: 30 years: +0 %: 2160 mins: Winter	27.850	27.250	27.259	0.009	0.2	0.002	0.000	0.2	9.384	OK
FEH: 30 years: +0 %: 2880 mins: Summer	27.850	27.250	27.260	0.010	0.2	0.002	0.000	0.2	10.200	OK
FEH: 30 years: +0 %: 2880 mins: Winter	27.850	27.250	27.259	0.009	0.2	0.002	0.000	0.2	10.398	OK

FEH: 30 years: +0 %: 4320 mins: Summer	27.850	27.250	27.259	0.009	0.2	0.002	0.000	0.2	11.670	OK
FEH: 30 years: +0 %: 4320 mins: Winter	27.850	27.250	27.257	0.007	0.1	0.002	0.000	0.1	11.604	OK
FEH: 30 years: +0 %: 5760 mins: Summer	27.850	27.250	27.258	0.008	0.1	0.002	0.000	0.1	12.576	OK
FEH: 30 years: +0 %: 5760 mins: Winter	27.850	27.250	27.257	0.007	0.1	0.001	0.000	0.1	12.984	OK
FEH: 30 years: +0 %: 7200 mins: Summer	27.850	27.250	27.258	0.008	0.1	0.002	0.000	0.1	13.488	OK
FEH: 30 years: +0 %: 7200 mins: Winter	27.850	27.250	27.256	0.006	0.1	0.001	0.000	0.1	13.476	OK
FEH: 30 years: +0 %: 8640 mins: Summer	27.850	27.250	27.257	0.007	0.1	0.002	0.000	0.1	14.412	OK
FEH: 30 years: +0 %: 8640 mins: Winter	27.850	27.250	27.256	0.006	0.1	0.001	0.000	0.1	14.406	OK
FEH: 30 years: +0 %: 10080 mins: Summer	27.850	27.250	27.257	0.007	0.1	0.001	0.000	0.1	15.480	OK
FEH: 30 years: +0 %: 10080 mins: Winter	27.850	27.250	27.256	0.006	0.1	0.001	0.000	0.1	15.354	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for EX : Rank By: Max. Depth

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
FEH: 30 years: +0 %: 15 mins: Summer	28.200	26.201	26.237	0.036	2.2	0.000	0.000	2.2	2.637	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.200	26.201	26.237	0.036	2.2	0.000	0.000	2.2	2.648	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	6.099	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	6.125	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	12.987	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	13.077	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	26.772	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	26.958	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 180 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	40.549	OK
FEH: 30 years: +0 %: 180 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	40.826	OK
FEH: 30 years: +0 %: 240 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	54.328	OK
FEH: 30 years: +0 %: 240 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	54.689	OK
FEH: 30 years: +0 %: 360 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	81.853	OK
FEH: 30 years: +0 %: 360 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	82.388	OK
FEH: 30 years: +0 %: 480 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	109.418	OK
FEH: 30 years: +0 %: 480 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	110.136	OK
FEH: 30 years: +0 %: 600 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	137.039	OK
FEH: 30 years: +0 %: 600 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	137.948	OK

FEH: 30 years: +0 %: 720 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	164.707	OK
FEH: 30 years: +0 %: 720 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	165.825	OK
FEH: 30 years: +0 %: 960 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	220.323	OK
FEH: 30 years: +0 %: 960 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	221.893	OK
FEH: 30 years: +0 %: 1440 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	332.354	OK
FEH: 30 years: +0 %: 1440 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	334.965	OK
FEH: 30 years: +0 %: 2160 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	491.834	OK
FEH: 30 years: +0 %: 2160 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	495.040	OK
FEH: 30 years: +0 %: 2880 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	585.373	OK
FEH: 30 years: +0 %: 2880 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	586.549	OK

FEH: 30 years: +0 %: 4320 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	677.856	OK
FEH: 30 years: +0 %: 4320 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	677.694	OK
FEH: 30 years: +0 %: 5760 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	744.823	OK
FEH: 30 years: +0 %: 5760 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	745.689	OK
FEH: 30 years: +0 %: 7200 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	806.153	OK
FEH: 30 years: +0 %: 7200 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	806.247	OK
FEH: 30 years: +0 %: 8640 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	862.036	OK
FEH: 30 years: +0 %: 8640 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	863.408	OK
FEH: 30 years: +0 %: 10080 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	919.029	OK
FEH: 30 years: +0 %: 10080 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	918.687	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S03 -5: Rank By: Max. Depth

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
FEH: 30 years: +0 %: 15 mins: Summer	28.711	26.695	27.129	0.434	138.2	2.483	0.000	128.9	75.326	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	28.711	26.695	27.111	0.416	128.1	2.384	0.000	123.1	75.322	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	28.711	26.695	27.080	0.385	112.7	2.207	0.000	112.4	98.392	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	28.711	26.695	27.061	0.366	105.6	2.098	0.000	105.3	98.383	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	28.711	26.695	27.030	0.335	97.7	1.917	0.000	97.4	123.171	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	28.711	26.695	26.968	0.273	78.2	1.560	0.000	78.0	123.179	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.711	26.695	26.942	0.247	68.4	1.416	0.000	68.3	144.638	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.711	26.695	26.896	0.201	49.4	1.149	0.000	49.4	144.620	OK

FEH: 30 years: +0 %: 180 mins: Summer	28.711	26.695	26.905	0.210	53.3	1.205	0.000	53.3	159.070	OK
FEH: 30 years: +0 %: 180 mins: Winter	28.711	26.695	26.863	0.168	36.7	0.963	0.000	36.7	159.088	OK
FEH: 30 years: +0 %: 240 mins: Summer	28.711	26.695	26.882	0.187	44.1	1.073	0.000	44.1	170.238	OK
FEH: 30 years: +0 %: 240 mins: Winter	28.711	26.695	26.844	0.149	29.7	0.852	0.000	29.7	170.218	OK
FEH: 30 years: +0 %: 360 mins: Summer	28.711	26.695	26.854	0.159	33.2	0.908	0.000	33.2	187.321	OK
FEH: 30 years: +0 %: 360 mins: Winter	28.711	26.695	26.820	0.125	21.8	0.717	0.000	21.8	187.350	OK
FEH: 30 years: +0 %: 480 mins: Summer	28.711	26.695	26.837	0.142	27.2	0.811	0.000	27.2	200.730	OK
FEH: 30 years: +0 %: 480 mins: Winter	28.711	26.695	26.806	0.111	17.6	0.637	0.000	17.6	200.765	OK
FEH: 30 years: +0 %: 600 mins: Summer	28.711	26.695	26.824	0.129	23.1	0.739	0.000	23.1	211.958	OK
FEH: 30 years: +0 %: 600 mins: Winter	28.711	26.695	26.799	0.104	14.9	0.594	0.000	14.9	211.951	OK

FEH: 30 years: +0 %: 720 mins: Summer	28.711	26.695	26.815	0.120	20.1	0.685	0.000	20.1	221.817	OK
FEH: 30 years: +0 %: 720 mins: Winter	28.711	26.695	26.809	0.114	13.0	0.651	0.000	13.0	221.758	OK
FEH: 30 years: +0 %: 960 mins: Summer	28.711	26.695	26.820	0.125	16.2	0.716	0.000	16.2	238.433	OK
FEH: 30 years: +0 %: 960 mins: Winter	28.711	26.695	26.821	0.126	10.5	0.720	0.000	10.5	238.418	OK
FEH: 30 years: +0 %: 1440 mins: Summer	28.711	26.695	26.826	0.131	12.0	0.752	0.000	12.0	265.010	OK
FEH: 30 years: +0 %: 1440 mins: Winter	28.711	26.695	26.827	0.132	7.8	0.755	0.000	7.8	264.900	OK
FEH: 30 years: +0 %: 2160 mins: Summer	28.711	26.695	26.825	0.130	8.9	0.747	0.000	8.9	295.469	OK
FEH: 30 years: +0 %: 2160 mins: Winter	28.711	26.695	26.818	0.123	5.8	0.706	0.000	5.8	295.096	OK
FEH: 30 years: +0 %: 2880 mins: Summer	28.711	26.695	26.820	0.125	7.3	0.714	0.000	7.3	320.286	OK
FEH: 30 years: +0 %: 2880 mins: Winter	28.711	26.695	26.807	0.112	4.7	0.639	0.000	4.7	320.053	OK

FEH: 30 years: +0 %: 4320 mins: Summer	28.711	26.695	26.803	0.108	5.5	0.616	0.000	5.5	361.096	OK
FEH: 30 years: +0 %: 4320 mins: Winter	28.711	26.695	26.773	0.078	3.5	0.444	0.000	3.5	361.166	OK
FEH: 30 years: +0 %: 5760 mins: Summer	28.711	26.695	26.784	0.089	4.5	0.509	0.000	4.5	396.265	OK
FEH: 30 years: +0 %: 5760 mins: Winter	28.711	26.695	26.738	0.043	2.9	0.247	0.000	2.9	396.300	OK
FEH: 30 years: +0 %: 7200 mins: Summer	28.711	26.695	26.767	0.072	3.9	0.414	0.000	3.9	428.362	OK
FEH: 30 years: +0 %: 7200 mins: Winter	28.711	26.695	26.735	0.040	2.5	0.231	0.000	2.5	428.765	OK
FEH: 30 years: +0 %: 8640 mins: Summer	28.711	26.695	26.749	0.054	3.5	0.310	0.000	3.5	458.279	OK
FEH: 30 years: +0 %: 8640 mins: Winter	28.711	26.695	26.733	0.038	2.2	0.218	0.000	2.2	459.266	OK
FEH: 30 years: +0 %: 10080 mins: Summer	28.711	26.695	26.740	0.045	3.2	0.258	0.000	3.2	487.699	OK
FEH: 30 years: +0 %: 10080 mins: Winter	28.711	26.695	26.731	0.036	2.0	0.209	0.000	2.0	488.162	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S08 -5: Rank By: Max. Depth

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
FEH: 30 years: +0 %: 15 mins: Summer	28.888	28.285	28.315	0.030	3.2	0.009	0.000	3.0	1.392	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.888	28.285	28.315	0.030	3.0	0.008	0.000	2.8	1.391	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.888	28.285	28.311	0.026	2.1	0.007	0.000	2.1	1.818	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.888	28.285	28.310	0.025	2.0	0.007	0.000	2.0	1.818	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.888	28.285	28.309	0.024	1.8	0.007	0.000	1.8	2.280	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.888	28.285	28.307	0.022	1.5	0.006	0.000	1.5	2.274	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.888	28.285	28.305	0.020	1.3	0.006	0.000	1.3	2.670	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.888	28.285	28.302	0.017	0.9	0.005	0.000	0.9	2.664	OK

FEH: 30 years: +0 %: 180 mins: Summer	28.888	28.285	28.303	0.018	1.0	0.005	0.000	1.0	2.940	OK
FEH: 30 years: +0 %: 180 mins: Winter	28.888	28.285	28.300	0.015	0.7	0.004	0.000	0.7	2.946	OK
FEH: 30 years: +0 %: 240 mins: Summer	28.888	28.285	28.302	0.017	0.8	0.005	0.000	0.8	3.156	OK
FEH: 30 years: +0 %: 240 mins: Winter	28.888	28.285	28.299	0.014	0.6	0.004	0.000	0.5	3.150	OK
FEH: 30 years: +0 %: 360 mins: Summer	28.888	28.285	28.299	0.014	0.6	0.004	0.000	0.6	3.468	OK
FEH: 30 years: +0 %: 360 mins: Winter	28.888	28.285	28.297	0.012	0.4	0.003	0.000	0.4	3.462	OK
FEH: 30 years: +0 %: 480 mins: Summer	28.888	28.285	28.298	0.013	0.5	0.004	0.000	0.5	3.720	OK
FEH: 30 years: +0 %: 480 mins: Winter	28.888	28.285	28.296	0.011	0.3	0.003	0.000	0.3	3.744	OK
FEH: 30 years: +0 %: 600 mins: Summer	28.888	28.285	28.297	0.012	0.4	0.003	0.000	0.4	3.942	OK
FEH: 30 years: +0 %: 600 mins: Winter	28.888	28.285	28.295	0.010	0.3	0.003	0.000	0.3	3.930	OK

FEH: 30 years: +0 %: 720 mins: Summer	28.888	28.285	28.297	0.012	0.4	0.003	0.000	0.4	4.104	OK
FEH: 30 years: +0 %: 720 mins: Winter	28.888	28.285	28.294	0.009	0.2	0.003	0.000	0.2	4.086	OK
FEH: 30 years: +0 %: 960 mins: Summer	28.888	28.285	28.295	0.010	0.3	0.003	0.000	0.3	4.410	OK
FEH: 30 years: +0 %: 960 mins: Winter	28.888	28.285	28.294	0.009	0.2	0.002	0.000	0.2	4.374	OK
FEH: 30 years: +0 %: 1440 mins: Summer	28.888	28.285	28.294	0.009	0.2	0.003	0.000	0.2	4.902	OK
FEH: 30 years: +0 %: 1440 mins: Winter	28.888	28.285	28.292	0.007	0.1	0.002	0.000	0.1	4.950	OK
FEH: 30 years: +0 %: 2160 mins: Summer	28.888	28.285	28.293	0.008	0.2	0.002	0.000	0.2	5.538	OK
FEH: 30 years: +0 %: 2160 mins: Winter	28.888	28.285	28.291	0.006	0.1	0.002	0.000	0.1	5.514	OK
FEH: 30 years: +0 %: 2880 mins: Summer	28.888	28.285	28.292	0.007	0.1	0.002	0.000	0.1	5.778	OK
FEH: 30 years: +0 %: 2880 mins: Winter	28.888	28.285	28.290	0.005	0.1	0.002	0.000	0.1	6.048	OK

FEH: 30 years: +0 %: 4320 mins: Summer	28.888	28.285	28.291	0.006	0.1	0.002	0.000	0.1	6.594	OK
FEH: 30 years: +0 %: 4320 mins: Winter	28.888	28.285	28.290	0.005	0.1	0.001	0.000	0.1	6.570	OK
FEH: 30 years: +0 %: 5760 mins: Summer	28.888	28.285	28.290	0.005	0.1	0.001	0.000	0.1	7.542	OK
FEH: 30 years: +0 %: 5760 mins: Winter	28.888	28.285	28.289	0.004	0.0	0.001	0.000	0.1	7.326	OK
FEH: 30 years: +0 %: 7200 mins: Summer	28.888	28.285	28.290	0.005	0.1	0.001	0.000	0.1	8.466	OK
FEH: 30 years: +0 %: 7200 mins: Winter	28.888	28.285	28.289	0.004	0.0	0.001	0.000	0.1	8.046	OK
FEH: 30 years: +0 %: 8640 mins: Summer	28.888	28.285	28.289	0.004	0.1	0.001	0.000	0.1	9.138	OK
FEH: 30 years: +0 %: 8640 mins: Winter	28.888	28.285	28.289	0.004	0.0	0.001	0.000	0.0	8.922	OK
FEH: 30 years: +0 %: 10080 mins: Summer	28.888	28.285	28.289	0.004	0.1	0.001	0.000	0.1	9.804	OK
FEH: 30 years: +0 %: 10080 mins: Winter	28.888	28.285	28.289	0.004	0.0	0.001	0.000	0.0	9.672	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S11 -5: Rank By: Max. Depth

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
FEH: 30 years: +0 %: 15 mins: Summer	28.558	26.758	26.916	0.158	35.1	0.179	0.000	32.8	15.739	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.558	26.758	26.911	0.153	33.0	0.173	0.000	31.0	15.736	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.558	26.758	26.887	0.129	23.7	0.146	0.000	23.7	20.524	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.558	26.758	26.883	0.125	22.2	0.141	0.000	22.2	20.523	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.558	26.758	26.877	0.119	20.5	0.135	0.000	20.5	25.667	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.558	26.758	26.864	0.106	16.5	0.120	0.000	16.5	25.670	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.558	26.758	26.856	0.098	14.3	0.111	0.000	14.3	30.156	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.558	26.758	26.841	0.083	10.3	0.094	0.000	10.3	30.148	OK

FEH: 30 years: +0 %: 180 mins: Summer	28.558	26.758	26.844	0.086	11.1	0.098	0.000	11.1	33.184	OK
FEH: 30 years: +0 %: 180 mins: Winter	28.558	26.758	26.830	0.072	7.7	0.082	0.000	7.7	33.171	OK
FEH: 30 years: +0 %: 240 mins: Summer	28.558	26.758	26.837	0.079	9.2	0.089	0.000	9.2	35.512	OK
FEH: 30 years: +0 %: 240 mins: Winter	28.558	26.758	26.823	0.065	6.2	0.074	0.000	6.2	35.505	OK
FEH: 30 years: +0 %: 360 mins: Summer	28.558	26.758	26.827	0.069	6.9	0.078	0.000	6.9	39.059	OK
FEH: 30 years: +0 %: 360 mins: Winter	28.558	26.758	26.814	0.056	4.6	0.064	0.000	4.6	39.058	OK
FEH: 30 years: +0 %: 480 mins: Summer	28.558	26.758	26.821	0.063	5.7	0.071	0.000	5.7	41.857	OK
FEH: 30 years: +0 %: 480 mins: Winter	28.558	26.758	26.809	0.051	3.7	0.057	0.000	3.7	41.884	OK
FEH: 30 years: +0 %: 600 mins: Summer	28.558	26.758	26.816	0.058	4.8	0.065	0.000	4.8	44.185	OK
FEH: 30 years: +0 %: 600 mins: Winter	28.558	26.758	26.805	0.047	3.1	0.053	0.000	3.1	44.218	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 720 mins: Summer	28.558	26.758	26.812	0.054	4.2	0.061	0.000	4.2	46.243	OK
FEH: 30 years: +0 %: 720 mins: Winter	28.558	26.758	26.809	0.051	2.7	0.057	0.000	2.7	46.251	OK
FEH: 30 years: +0 %: 960 mins: Summer	28.558	26.758	26.820	0.062	3.4	0.070	0.000	3.4	49.734	OK
FEH: 30 years: +0 %: 960 mins: Winter	28.558	26.758	26.821	0.063	2.2	0.071	0.000	2.2	49.687	OK
FEH: 30 years: +0 %: 1440 mins: Summer	28.558	26.758	26.826	0.068	2.5	0.077	0.000	2.5	55.251	OK
FEH: 30 years: +0 %: 1440 mins: Winter	28.558	26.758	26.827	0.069	1.6	0.078	0.000	1.6	55.136	OK
FEH: 30 years: +0 %: 2160 mins: Summer	28.558	26.758	26.825	0.067	1.9	0.076	0.000	1.9	61.594	OK
FEH: 30 years: +0 %: 2160 mins: Winter	28.558	26.758	26.818	0.060	1.2	0.068	0.000	1.2	61.485	OK
FEH: 30 years: +0 %: 2880 mins: Summer	28.558	26.758	26.820	0.062	1.5	0.070	0.000	1.5	66.727	OK
FEH: 30 years: +0 %: 2880 mins: Winter	28.558	26.758	26.806	0.048	1.0	0.055	0.000	1.0	66.599	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 4320 mins: Summer	28.558	26.758	26.803	0.045	1.1	0.050	0.000	1.1	75.257	OK
FEH: 30 years: +0 %: 4320 mins: Winter	28.558	26.758	26.781	0.023	0.7	0.027	0.000	0.7	75.236	OK
FEH: 30 years: +0 %: 5760 mins: Summer	28.558	26.758	26.784	0.026	0.9	0.030	0.000	0.9	82.569	OK
FEH: 30 years: +0 %: 5760 mins: Winter	28.558	26.758	26.779	0.021	0.6	0.024	0.000	0.6	82.690	OK
FEH: 30 years: +0 %: 7200 mins: Summer	28.558	26.758	26.783	0.025	0.8	0.028	0.000	0.8	89.274	OK
FEH: 30 years: +0 %: 7200 mins: Winter	28.558	26.758	26.778	0.020	0.5	0.023	0.000	0.5	89.423	OK
FEH: 30 years: +0 %: 8640 mins: Summer	28.558	26.758	26.781	0.023	0.7	0.026	0.000	0.7	95.222	OK
FEH: 30 years: +0 %: 8640 mins: Winter	28.558	26.758	26.777	0.019	0.5	0.022	0.000	0.5	95.501	OK
FEH: 30 years: +0 %: 10080 mins: Summer	28.558	26.758	26.780	0.022	0.7	0.025	0.000	0.7	101.753	OK
FEH: 30 years: +0 %: 10080 mins: Winter	28.558	26.758	26.776	0.018	0.4	0.021	0.000	0.4	101.725	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S13 -5: Rank By: Max. Depth

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
FEH: 30 years: +0 %: 15 mins: Summer	28.754	26.941	27.076	0.135	35.9	0.153	0.000	35.0	15.466	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.754	26.941	27.071	0.130	33.7	0.146	0.000	32.9	15.486	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.754	26.941	27.045	0.104	23.5	0.117	0.000	23.5	20.272	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.754	26.941	27.041	0.100	22.1	0.113	0.000	22.1	20.284	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.754	26.941	27.036	0.095	20.4	0.108	0.000	20.4	25.426	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.754	26.941	27.026	0.085	16.4	0.096	0.000	16.4	25.471	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.754	26.941	27.019	0.078	14.2	0.089	0.000	14.2	29.922	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.754	26.941	27.007	0.066	10.2	0.074	0.000	10.2	29.908	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 180 mins: Summer	28.754	26.941	27.009	0.068	11.0	0.077	0.000	11.0	32.904	OK
FEH: 30 years: +0 %: 180 mins: Winter	28.754	26.941	26.997	0.056	7.6	0.063	0.000	7.6	32.894	OK
FEH: 30 years: +0 %: 240 mins: Summer	28.754	26.941	27.003	0.062	9.1	0.070	0.000	9.1	35.222	OK
FEH: 30 years: +0 %: 240 mins: Winter	28.754	26.941	26.991	0.050	6.1	0.057	0.000	6.1	35.214	OK
FEH: 30 years: +0 %: 360 mins: Summer	28.754	26.941	26.994	0.053	6.9	0.060	0.000	6.9	38.766	OK
FEH: 30 years: +0 %: 360 mins: Winter	28.754	26.941	26.984	0.043	4.5	0.049	0.000	4.5	38.756	OK
FEH: 30 years: +0 %: 480 mins: Summer	28.754	26.941	26.989	0.048	5.6	0.054	0.000	5.6	41.539	OK
FEH: 30 years: +0 %: 480 mins: Winter	28.754	26.941	26.980	0.039	3.7	0.044	0.000	3.7	41.514	OK
FEH: 30 years: +0 %: 600 mins: Summer	28.754	26.941	26.985	0.044	4.8	0.050	0.000	4.8	43.852	OK
FEH: 30 years: +0 %: 600 mins: Winter	28.754	26.941	26.977	0.036	3.1	0.040	0.000	3.1	43.833	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 720 mins: Summer	28.754	26.941	26.982	0.041	4.2	0.047	0.000	4.2	45.894	OK
FEH: 30 years: +0 %: 720 mins: Winter	28.754	26.941	26.974	0.033	2.7	0.038	0.000	2.7	45.890	OK
FEH: 30 years: +0 %: 960 mins: Summer	28.754	26.941	26.978	0.037	3.4	0.042	0.000	3.4	49.311	OK
FEH: 30 years: +0 %: 960 mins: Winter	28.754	26.941	26.971	0.030	2.2	0.034	0.000	2.2	49.341	OK
FEH: 30 years: +0 %: 1440 mins: Summer	28.754	26.941	26.973	0.032	2.5	0.036	0.000	2.5	54.830	OK
FEH: 30 years: +0 %: 1440 mins: Winter	28.754	26.941	26.967	0.026	1.6	0.029	0.000	1.6	54.770	OK
FEH: 30 years: +0 %: 2160 mins: Summer	28.754	26.941	26.969	0.028	1.9	0.031	0.000	1.9	61.176	OK
FEH: 30 years: +0 %: 2160 mins: Winter	28.754	26.941	26.964	0.023	1.2	0.025	0.000	1.2	61.223	OK
FEH: 30 years: +0 %: 2880 mins: Summer	28.754	26.941	26.966	0.025	1.5	0.028	0.000	1.5	66.219	OK
FEH: 30 years: +0 %: 2880 mins: Winter	28.754	26.941	26.961	0.020	1.0	0.023	0.000	1.0	66.342	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 4320 mins: Summer	28.754	26.941	26.963	0.022	1.1	0.025	0.000	1.1	74.847	OK
FEH: 30 years: +0 %: 4320 mins: Winter	28.754	26.941	26.959	0.018	0.7	0.020	0.000	0.7	74.782	OK
FEH: 30 years: +0 %: 5760 mins: Summer	28.754	26.941	26.961	0.020	0.9	0.023	0.000	0.9	81.910	OK
FEH: 30 years: +0 %: 5760 mins: Winter	28.754	26.941	26.957	0.016	0.6	0.018	0.000	0.6	82.182	OK
FEH: 30 years: +0 %: 7200 mins: Summer	28.754	26.941	26.960	0.019	0.8	0.021	0.000	0.8	88.631	OK
FEH: 30 years: +0 %: 7200 mins: Winter	28.754	26.941	26.956	0.015	0.5	0.017	0.000	0.5	88.560	OK
FEH: 30 years: +0 %: 8640 mins: Summer	28.754	26.941	26.959	0.018	0.7	0.020	0.000	0.7	94.955	OK
FEH: 30 years: +0 %: 8640 mins: Winter	28.754	26.941	26.955	0.014	0.5	0.016	0.000	0.5	94.879	OK
FEH: 30 years: +0 %: 10080 mins: Summer	28.754	26.941	26.958	0.017	0.6	0.019	0.000	0.6	101.243	OK
FEH: 30 years: +0 %: 10080 mins: Winter	28.754	26.941	26.955	0.014	0.4	0.016	0.000	0.4	100.979	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S10 -5: Rank By: Max. Depth

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
FEH: 30 years: +0 %: 15 mins: Summer	28.560	26.606	26.801	0.196	32.8	0.222	0.000	27.4	15.658	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.560	26.606	26.794	0.188	31.0	0.213	0.000	26.2	15.654	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.560	26.606	26.771	0.165	23.7	0.187	0.000	23.7	20.480	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.560	26.606	26.763	0.157	22.2	0.178	0.000	22.2	20.480	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.560	26.606	26.754	0.149	20.5	0.168	0.000	20.5	25.623	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.560	26.606	26.732	0.127	16.5	0.143	0.000	16.5	25.630	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.560	26.606	26.720	0.114	14.3	0.129	0.000	14.3	29.841	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.560	26.606	26.696	0.090	10.3	0.102	0.000	10.3	29.838	OK

FEH: 30 years: +0 %: 180 mins: Summer	28.560	26.606	26.709	0.104	11.1	0.117	0.000	11.1	32.693	OK
FEH: 30 years: +0 %: 180 mins: Winter	28.560	26.606	26.709	0.104	7.7	0.117	0.000	7.7	32.685	OK
FEH: 30 years: +0 %: 240 mins: Summer	28.560	26.606	26.733	0.127	9.2	0.144	0.000	9.2	34.918	OK
FEH: 30 years: +0 %: 240 mins: Winter	28.560	26.606	26.733	0.127	6.2	0.144	0.000	6.2	34.918	OK
FEH: 30 years: +0 %: 360 mins: Summer	28.560	26.606	26.764	0.158	6.9	0.179	0.000	6.9	38.395	OK
FEH: 30 years: +0 %: 360 mins: Winter	28.560	26.606	26.764	0.158	4.6	0.179	0.000	4.6	38.403	OK
FEH: 30 years: +0 %: 480 mins: Summer	28.560	26.606	26.784	0.178	5.7	0.202	0.000	5.7	41.224	OK
FEH: 30 years: +0 %: 480 mins: Winter	28.560	26.606	26.784	0.179	3.7	0.202	0.000	3.7	41.263	OK
FEH: 30 years: +0 %: 600 mins: Summer	28.560	26.606	26.798	0.192	4.8	0.217	0.000	4.8	43.641	OK
FEH: 30 years: +0 %: 600 mins: Winter	28.560	26.606	26.798	0.193	3.1	0.218	0.000	3.1	43.689	OK

FEH: 30 years: +0 %: 720 mins: Summer	28.560	26.606	26.808	0.202	4.2	0.229	0.000	4.2	45.818	OK
FEH: 30 years: +0 %: 720 mins: Winter	28.560	26.606	26.808	0.203	2.7	0.229	0.000	2.7	45.846	OK
FEH: 30 years: +0 %: 960 mins: Summer	28.560	26.606	26.820	0.214	3.4	0.242	0.000	3.4	49.579	OK
FEH: 30 years: +0 %: 960 mins: Winter	28.560	26.606	26.820	0.215	2.2	0.243	0.000	2.2	49.552	OK
FEH: 30 years: +0 %: 1440 mins: Summer	28.560	26.606	26.826	0.220	2.5	0.249	0.000	2.5	55.195	OK
FEH: 30 years: +0 %: 1440 mins: Winter	28.560	26.606	26.826	0.221	1.6	0.250	0.000	1.6	55.087	OK
FEH: 30 years: +0 %: 2160 mins: Summer	28.560	26.606	26.825	0.219	1.9	0.248	0.000	1.9	61.543	OK
FEH: 30 years: +0 %: 2160 mins: Winter	28.560	26.606	26.818	0.212	1.2	0.240	0.000	1.2	61.440	OK
FEH: 30 years: +0 %: 2880 mins: Summer	28.560	26.606	26.819	0.214	1.5	0.242	0.000	1.5	66.678	OK
FEH: 30 years: +0 %: 2880 mins: Winter	28.560	26.606	26.806	0.200	1.0	0.227	0.000	1.0	66.558	OK

FEH: 30 years: +0 %: 4320 mins: Summer	28.560	26.606	26.802	0.196	1.1	0.222	0.000	1.1	75.222	OK
FEH: 30 years: +0 %: 4320 mins: Winter	28.560	26.606	26.772	0.166	0.7	0.188	0.000	0.7	75.209	OK
FEH: 30 years: +0 %: 5760 mins: Summer	28.560	26.606	26.783	0.178	0.9	0.201	0.000	0.9	82.544	OK
FEH: 30 years: +0 %: 5760 mins: Winter	28.560	26.606	26.734	0.128	0.6	0.145	0.000	0.6	82.676	OK
FEH: 30 years: +0 %: 7200 mins: Summer	28.560	26.606	26.766	0.161	0.8	0.182	0.000	0.8	89.252	OK
FEH: 30 years: +0 %: 7200 mins: Winter	28.560	26.606	26.698	0.093	0.5	0.105	0.000	0.5	89.414	OK
FEH: 30 years: +0 %: 8640 mins: Summer	28.560	26.606	26.748	0.142	0.7	0.161	0.000	0.7	95.204	OK
FEH: 30 years: +0 %: 8640 mins: Winter	28.560	26.606	26.664	0.058	0.5	0.066	0.000	0.5	95.497	OK
FEH: 30 years: +0 %: 10080 mins: Summer	28.560	26.606	26.733	0.127	0.7	0.144	0.000	0.7	101.738	OK
FEH: 30 years: +0 %: 10080 mins: Winter	28.560	26.606	26.634	0.028	0.4	0.032	0.000	0.4	101.724	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S09 -5: Rank By: Max. Depth

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
FEH: 30 years: +0 %: 15 mins: Summer	28.846	26.558	26.786	0.228	62.4	0.258	0.000	60.2	31.250	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.846	26.558	26.778	0.221	59.1	0.249	0.000	57.1	31.238	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.846	26.558	26.753	0.195	47.2	0.221	0.000	47.2	40.773	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.846	26.558	26.746	0.188	44.3	0.213	0.000	44.3	40.791	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.846	26.558	26.738	0.180	40.9	0.203	0.000	40.9	50.910	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.846	26.558	26.716	0.158	32.9	0.179	0.000	32.9	50.947	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.846	26.558	26.704	0.146	28.5	0.165	0.000	28.5	59.444	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.846	26.558	26.679	0.121	20.5	0.137	0.000	20.5	59.429	OK

FEH: 30 years: +0 %: 180 mins: Summer	28.846	26.558	26.710	0.152	22.1	0.172	0.000	22.1	65.160	OK
FEH: 30 years: +0 %: 180 mins: Winter	28.846	26.558	26.710	0.152	15.3	0.172	0.000	15.3	65.149	OK
FEH: 30 years: +0 %: 240 mins: Summer	28.846	26.558	26.733	0.175	18.3	0.198	0.000	18.3	69.640	OK
FEH: 30 years: +0 %: 240 mins: Winter	28.846	26.558	26.733	0.175	12.3	0.198	0.000	12.3	69.642	OK
FEH: 30 years: +0 %: 360 mins: Summer	28.846	26.558	26.764	0.206	13.8	0.233	0.000	13.8	76.624	OK
FEH: 30 years: +0 %: 360 mins: Winter	28.846	26.558	26.764	0.206	9.1	0.233	0.000	9.1	76.630	OK
FEH: 30 years: +0 %: 480 mins: Summer	28.846	26.558	26.784	0.226	11.3	0.256	0.000	11.3	82.250	OK
FEH: 30 years: +0 %: 480 mins: Winter	28.846	26.558	26.785	0.227	7.3	0.256	0.000	7.3	82.270	OK
FEH: 30 years: +0 %: 600 mins: Summer	28.846	26.558	26.798	0.240	9.6	0.272	0.000	9.6	87.040	OK
FEH: 30 years: +0 %: 600 mins: Winter	28.846	26.558	26.798	0.241	6.2	0.272	0.000	6.2	87.077	OK

FEH: 30 years: +0 %: 720 mins: Summer	28.846	26.558	26.808	0.250	8.4	0.283	0.000	8.4	91.339	OK
FEH: 30 years: +0 %: 720 mins: Winter	28.846	26.558	26.809	0.251	5.4	0.283	0.000	5.4	91.375	OK
FEH: 30 years: +0 %: 960 mins: Summer	28.846	26.558	26.820	0.262	6.7	0.296	0.000	6.7	98.692	OK
FEH: 30 years: +0 %: 960 mins: Winter	28.846	26.558	26.821	0.263	4.4	0.297	0.000	4.4	98.705	OK
FEH: 30 years: +0 %: 1440 mins: Summer	28.846	26.558	26.826	0.268	5.0	0.303	0.000	5.0	110.019	OK
FEH: 30 years: +0 %: 1440 mins: Winter	28.846	26.558	26.827	0.269	3.2	0.304	0.000	3.2	109.850	OK
FEH: 30 years: +0 %: 2160 mins: Summer	28.846	26.558	26.825	0.267	3.7	0.302	0.000	3.7	122.713	OK
FEH: 30 years: +0 %: 2160 mins: Winter	28.846	26.558	26.818	0.260	2.4	0.294	0.000	2.4	122.656	OK
FEH: 30 years: +0 %: 2880 mins: Summer	28.846	26.558	26.819	0.262	3.0	0.296	0.000	3.0	132.891	OK
FEH: 30 years: +0 %: 2880 mins: Winter	28.846	26.558	26.806	0.248	2.0	0.281	0.000	1.9	132.893	OK

FEH: 30 years: +0 %: 4320 mins: Summer	28.846	26.558	26.802	0.244	2.3	0.277	0.000	2.3	150.064	OK
FEH: 30 years: +0 %: 4320 mins: Winter	28.846	26.558	26.772	0.214	1.5	0.242	0.000	1.5	149.988	OK
FEH: 30 years: +0 %: 5760 mins: Summer	28.846	26.558	26.783	0.226	1.9	0.255	0.000	1.9	164.452	OK
FEH: 30 years: +0 %: 5760 mins: Winter	28.846	26.558	26.734	0.176	1.2	0.199	0.000	1.2	164.855	OK
FEH: 30 years: +0 %: 7200 mins: Summer	28.846	26.558	26.767	0.209	1.6	0.236	0.000	1.6	177.881	OK
FEH: 30 years: +0 %: 7200 mins: Winter	28.846	26.558	26.699	0.141	1.0	0.159	0.000	1.0	177.972	OK
FEH: 30 years: +0 %: 8640 mins: Summer	28.846	26.558	26.748	0.190	1.4	0.215	0.000	1.4	190.158	OK
FEH: 30 years: +0 %: 8640 mins: Winter	28.846	26.558	26.664	0.106	0.9	0.120	0.000	0.9	190.374	OK
FEH: 30 years: +0 %: 10080 mins: Summer	28.846	26.558	26.733	0.175	1.3	0.198	0.000	1.3	202.979	OK
FEH: 30 years: +0 %: 10080 mins: Winter	28.846	26.558	26.634	0.076	0.9	0.086	0.000	0.9	202.698	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S07 -5: Rank By: Max. Depth

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
FEH: 30 years: +0 %: 15 mins: Summer	28.888	27.792	27.948	0.156	39.2	0.044	0.000	35.7	17.079	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.888	27.792	27.943	0.151	36.8	0.043	0.000	33.8	17.082	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.888	27.792	27.919	0.127	25.8	0.036	0.000	25.7	22.303	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.888	27.792	27.914	0.122	24.2	0.035	0.000	24.2	22.297	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.888	27.792	27.909	0.117	22.3	0.033	0.000	22.3	27.921	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.888	27.792	27.895	0.103	18.0	0.029	0.000	18.0	27.910	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.888	27.792	27.887	0.095	15.6	0.027	0.000	15.6	32.777	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.888	27.792	27.872	0.080	11.2	0.023	0.000	11.2	32.771	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 180 mins: Summer	28.888	27.792	27.875	0.084	12.1	0.024	0.000	12.1	36.047	OK
FEH: 30 years: +0 %: 180 mins: Winter	28.888	27.792	27.861	0.069	8.3	0.020	0.000	8.3	36.065	OK
FEH: 30 years: +0 %: 240 mins: Summer	28.888	27.792	27.868	0.076	10.0	0.021	0.000	10.0	38.585	OK
FEH: 30 years: +0 %: 240 mins: Winter	28.888	27.792	27.854	0.062	6.7	0.018	0.000	6.7	38.586	OK
FEH: 30 years: +0 %: 360 mins: Summer	28.888	27.792	27.858	0.066	7.5	0.019	0.000	7.5	42.456	OK
FEH: 30 years: +0 %: 360 mins: Winter	28.888	27.792	27.845	0.054	5.0	0.015	0.000	4.9	42.432	OK
FEH: 30 years: +0 %: 480 mins: Summer	28.888	27.792	27.851	0.060	6.2	0.017	0.000	6.2	45.498	OK
FEH: 30 years: +0 %: 480 mins: Winter	28.888	27.792	27.840	0.048	4.0	0.014	0.000	4.0	45.552	OK
FEH: 30 years: +0 %: 600 mins: Summer	28.888	27.792	27.847	0.055	5.2	0.016	0.000	5.2	48.054	OK
FEH: 30 years: +0 %: 600 mins: Winter	28.888	27.792	27.836	0.044	3.4	0.013	0.000	3.4	48.072	OK

FEH: 30 years: +0 %: 720 mins: Summer	28.888	27.792	27.843	0.051	4.6	0.015	0.000	4.6	50.280	OK
FEH: 30 years: +0 %: 720 mins: Winter	28.888	27.792	27.833	0.042	2.9	0.012	0.000	2.9	50.250	OK
FEH: 30 years: +0 %: 960 mins: Summer	28.888	27.792	27.838	0.046	3.7	0.013	0.000	3.7	54.042	OK
FEH: 30 years: +0 %: 960 mins: Winter	28.888	27.792	27.829	0.037	2.4	0.011	0.000	2.4	53.988	OK
FEH: 30 years: +0 %: 1440 mins: Summer	28.888	27.792	27.832	0.040	2.7	0.011	0.000	2.7	60.072	OK
FEH: 30 years: +0 %: 1440 mins: Winter	28.888	27.792	27.824	0.032	1.8	0.009	0.000	1.8	60.030	OK
FEH: 30 years: +0 %: 2160 mins: Summer	28.888	27.792	27.827	0.035	2.0	0.010	0.000	2.0	67.050	OK
FEH: 30 years: +0 %: 2160 mins: Winter	28.888	27.792	27.820	0.028	1.3	0.008	0.000	1.3	66.948	OK
FEH: 30 years: +0 %: 2880 mins: Summer	28.888	27.792	27.823	0.031	1.6	0.009	0.000	1.6	72.390	OK
FEH: 30 years: +0 %: 2880 mins: Winter	28.888	27.792	27.818	0.026	1.1	0.007	0.000	1.1	72.594	OK

FEH: 30 years: +0 %: 4320 mins: Summer	28.888	27.792	27.819	0.028	1.2	0.008	0.000	1.2	81.768	OK
FEH: 30 years: +0 %: 4320 mins: Winter	28.888	27.792	27.814	0.022	0.8	0.006	0.000	0.8	81.774	OK
FEH: 30 years: +0 %: 5760 mins: Summer	28.888	27.792	27.817	0.025	1.0	0.007	0.000	1.0	90.078	OK
FEH: 30 years: +0 %: 5760 mins: Winter	28.888	27.792	27.812	0.020	0.6	0.006	0.000	0.6	89.994	OK
FEH: 30 years: +0 %: 7200 mins: Summer	28.888	27.792	27.815	0.023	0.9	0.007	0.000	0.9	97.716	OK
FEH: 30 years: +0 %: 7200 mins: Winter	28.888	27.792	27.811	0.019	0.6	0.005	0.000	0.6	97.380	OK
FEH: 30 years: +0 %: 8640 mins: Summer	28.888	27.792	27.814	0.022	0.8	0.006	0.000	0.8	104.340	OK
FEH: 30 years: +0 %: 8640 mins: Winter	28.888	27.792	27.810	0.018	0.5	0.005	0.000	0.5	104.418	OK
FEH: 30 years: +0 %: 10080 mins: Summer	28.888	27.792	27.813	0.021	0.7	0.006	0.000	0.7	111.540	OK
FEH: 30 years: +0 %: 10080 mins: Winter	28.888	27.792	27.809	0.017	0.5	0.005	0.000	0.5	111.270	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S01- 5: Rank By: Max. Depth

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
FEH: 30 years: +40 %: 15 mins: Summer	28.623	26.989	27.918	0.929	64.0	1.051	0.000	65.3	19.221	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	28.623	26.989	27.898	0.909	57.7	1.029	0.000	62.1	16.093	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	28.623	26.989	27.809	0.820	20.9	0.927	0.000	19.4	8.169	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	28.623	26.989	27.711	0.722	19.0	0.816	0.000	17.7	7.891	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	28.623	26.989	27.605	0.616	15.0	0.697	0.000	15.5	8.587	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	28.623	26.989	27.366	0.377	7.6	0.426	0.000	9.2	6.933	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	28.623	26.989	27.235	0.246	7.7	0.278	0.000	7.7	7.262	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.623	26.989	27.064	0.075	2.2	0.085	0.000	2.9	6.487	OK

FEH: 30 years: +40 %: 180 mins: Summer	28.623	26.989	27.089	0.100	2.4	0.113	0.000	3.8	7.143	OK
FEH: 30 years: +40 %: 180 mins: Winter	28.623	26.989	27.019	0.030	1.6	0.034	0.000	1.6	7.145	OK
FEH: 30 years: +40 %: 240 mins: Summer	28.623	26.989	27.035	0.046	2.0	0.053	0.000	2.0	7.652	OK
FEH: 30 years: +40 %: 240 mins: Winter	28.623	26.989	27.016	0.027	1.3	0.031	0.000	1.3	7.660	OK
FEH: 30 years: +40 %: 360 mins: Summer	28.623	26.989	27.018	0.029	1.5	0.033	0.000	1.5	8.432	OK
FEH: 30 years: +40 %: 360 mins: Winter	28.623	26.989	27.013	0.024	1.0	0.027	0.000	1.0	8.410	OK
FEH: 30 years: +40 %: 480 mins: Summer	28.623	26.989	27.015	0.026	1.2	0.030	0.000	1.2	9.039	OK
FEH: 30 years: +40 %: 480 mins: Winter	28.623	26.989	27.011	0.022	0.8	0.024	0.000	0.8	9.043	OK
FEH: 30 years: +40 %: 600 mins: Summer	28.623	26.989	27.034	0.045	1.0	0.051	0.000	1.0	9.565	OK
FEH: 30 years: +40 %: 600 mins: Winter	28.623	26.989	27.034	0.045	0.7	0.051	0.000	0.7	9.553	OK

FEH: 30 years: +40 %: 720 mins: Summer	28.623	26.989	27.054	0.065	0.9	0.074	0.000	0.9	9.991	OK
FEH: 30 years: +40 %: 720 mins: Winter	28.623	26.989	27.055	0.066	0.6	0.074	0.000	0.6	9.973	OK
FEH: 30 years: +40 %: 960 mins: Summer	28.623	26.989	27.083	0.094	0.7	0.106	0.000	0.7	10.731	OK
FEH: 30 years: +40 %: 960 mins: Winter	28.623	26.989	27.084	0.095	0.5	0.107	0.000	0.5	10.676	OK
FEH: 30 years: +40 %: 1440 mins: Summer	28.623	26.989	27.113	0.124	0.5	0.140	0.000	0.5	11.940	OK
FEH: 30 years: +40 %: 1440 mins: Winter	28.623	26.989	27.116	0.127	0.4	0.143	0.000	0.3	11.912	OK
FEH: 30 years: +40 %: 2160 mins: Summer	28.623	26.989	27.123	0.134	0.4	0.151	0.000	0.4	13.304	OK
FEH: 30 years: +40 %: 2160 mins: Winter	28.623	26.989	27.129	0.140	0.3	0.158	0.000	0.3	13.291	OK
FEH: 30 years: +40 %: 2880 mins: Summer	28.623	26.989	27.122	0.133	0.3	0.151	0.000	0.3	14.402	OK
FEH: 30 years: +40 %: 2880 mins: Winter	28.623	26.989	27.123	0.134	0.2	0.151	0.000	0.2	14.448	OK

FEH: 30 years: +40 %: 4320 mins: Summer	28.623	26.989	27.119	0.130	0.3	0.147	0.000	0.3	16.314	OK
FEH: 30 years: +40 %: 4320 mins: Winter	28.623	26.989	27.108	0.119	0.2	0.134	0.000	0.2	16.421	OK
FEH: 30 years: +40 %: 5760 mins: Summer	28.623	26.989	27.113	0.124	0.2	0.140	0.000	0.2	17.970	OK
FEH: 30 years: +40 %: 5760 mins: Winter	28.623	26.989	27.087	0.098	0.1	0.111	0.000	0.1	17.753	OK
FEH: 30 years: +40 %: 7200 mins: Summer	28.623	26.989	27.106	0.117	0.2	0.132	0.000	0.2	19.306	OK
FEH: 30 years: +40 %: 7200 mins: Winter	28.623	26.989	27.066	0.077	0.1	0.087	0.000	0.1	19.281	OK
FEH: 30 years: +40 %: 8640 mins: Summer	28.623	26.989	27.101	0.112	0.2	0.127	0.000	0.2	20.443	OK
FEH: 30 years: +40 %: 8640 mins: Winter	28.623	26.989	27.045	0.056	0.1	0.063	0.000	0.1	20.939	OK
FEH: 30 years: +40 %: 10080 mins: Summer	28.623	26.989	27.099	0.110	0.1	0.124	0.000	0.1	21.645	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	28.623	26.989	27.022	0.033	0.1	0.038	0.000	0.1	22.382	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S03 - 5: Rank By: Max. Depth

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
FEH: 30 years: +40 %: 15 mins: Summer	28.792	26.748	27.806	1.058	187.2	1.197	0.000	185.4	105.624	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	28.792	26.748	27.766	1.018	181.9	1.151	0.000	180.5	105.590	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	28.792	26.748	27.593	0.845	159.0	0.956	0.000	159.0	137.812	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	28.792	26.748	27.520	0.772	149.3	0.873	0.000	149.2	137.816	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	28.792	26.748	27.440	0.692	138.0	0.782	0.000	138.0	172.460	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	28.792	26.748	27.258	0.510	110.6	0.577	0.000	110.6	172.481	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	28.792	26.748	27.157	0.409	95.7	0.463	0.000	95.6	202.333	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	28.792	26.748	27.025	0.277	69.0	0.313	0.000	69.0	202.311	OK

FEH: 30 years: +40 %: 180 mins: Summer	28.792	26.748	27.046	0.298	74.2	0.337	0.000	74.2	222.517	OK
FEH: 30 years: +40 %: 180 mins: Winter	28.792	26.748	26.966	0.218	51.4	0.247	0.000	51.4	222.209	OK
FEH: 30 years: +40 %: 240 mins: Summer	28.792	26.748	26.999	0.251	61.7	0.284	0.000	61.7	237.949	OK
FEH: 30 years: +40 %: 240 mins: Winter	28.792	26.748	26.936	0.188	41.5	0.213	0.000	41.5	237.421	OK
FEH: 30 years: +40 %: 360 mins: Summer	28.792	26.748	26.973	0.225	46.4	0.254	0.000	46.4	261.179	OK
FEH: 30 years: +40 %: 360 mins: Winter	28.792	26.748	26.973	0.225	30.6	0.254	0.000	30.6	260.901	OK
FEH: 30 years: +40 %: 480 mins: Summer	28.792	26.748	27.008	0.260	38.1	0.294	0.000	38.1	279.514	OK
FEH: 30 years: +40 %: 480 mins: Winter	28.792	26.748	27.008	0.260	24.7	0.294	0.000	24.7	279.485	OK
FEH: 30 years: +40 %: 600 mins: Summer	28.792	26.748	27.034	0.286	32.3	0.323	0.000	32.3	295.167	OK
FEH: 30 years: +40 %: 600 mins: Winter	28.792	26.748	27.034	0.286	20.8	0.324	0.000	20.8	295.174	OK

FEH: 30 years: +40 %: 720 mins: Summer	28.792	26.748	27.054	0.306	28.2	0.346	0.000	28.2	308.926	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	28.792	26.748	27.055	0.307	18.2	0.347	0.000	18.2	308.886	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	28.792	26.748	27.083	0.335	22.7	0.379	0.000	22.7	332.338	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	28.792	26.748	27.084	0.336	14.7	0.380	0.000	14.7	332.365	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	28.792	26.748	27.113	0.365	16.8	0.412	0.000	16.8	370.248	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	28.792	26.748	27.116	0.368	10.9	0.416	0.000	10.9	370.394	Surcharged
FEH: 30 years: +40 %: 2160 mins: Summer	28.792	26.748	27.123	0.375	12.5	0.424	0.000	12.5	413.679	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	28.792	26.748	27.129	0.381	8.1	0.430	0.000	8.1	413.561	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	28.792	26.748	27.122	0.374	10.2	0.423	0.000	10.2	448.226	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	28.792	26.748	27.123	0.375	6.6	0.424	0.000	6.6	448.290	Surcharged

FEH: 30 years: +40 %: 4320 mins: Summer	28.792	26.748	27.119	0.371	7.7	0.419	0.000	7.7	505.699	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	28.792	26.748	27.108	0.360	4.9	0.407	0.000	4.9	505.997	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	28.792	26.748	27.113	0.365	6.3	0.412	0.000	6.3	555.109	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	28.792	26.748	27.087	0.339	4.1	0.383	0.000	4.1	554.555	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	28.792	26.748	27.106	0.358	5.4	0.405	0.000	5.4	599.435	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	28.792	26.748	27.066	0.318	3.5	0.359	0.000	3.5	600.053	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	28.792	26.748	27.101	0.353	4.9	0.400	0.000	4.9	641.956	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	28.792	26.748	27.045	0.297	3.1	0.336	0.000	3.1	643.240	OK
FEH: 30 years: +40 %: 10080 mins: Summer	28.792	26.748	27.099	0.351	4.4	0.396	0.000	4.4	683.892	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	28.792	26.748	27.022	0.274	2.9	0.310	0.000	2.9	684.016	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S02 - 5: Rank By: Max. Depth

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
FEH: 30 years: +40 %: 15 mins: Summer	28.622	26.824	28.016	1.192	153.6	1.348	0.000	105.4	79.508	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	28.622	26.824	27.974	1.150	144.2	1.300	0.000	105.2	77.915	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	28.622	26.824	27.807	0.983	105.5	1.112	0.000	105.5	94.659	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	28.622	26.824	27.710	0.886	99.1	1.002	0.000	99.1	94.452	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	28.622	26.824	27.604	0.780	91.6	0.882	0.000	91.6	117.149	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	28.622	26.824	27.365	0.541	73.4	0.612	0.000	73.3	115.878	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	28.622	26.824	27.235	0.411	63.4	0.464	0.000	63.4	135.235	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	28.622	26.824	27.063	0.239	45.8	0.270	0.000	45.8	134.448	OK

FEH: 30 years: +40 %: 180 mins: Summer	28.622	26.824	27.089	0.265	49.3	0.299	0.000	49.2	147.859	OK
FEH: 30 years: +40 %: 180 mins: Winter	28.622	26.824	27.000	0.176	34.1	0.199	0.000	34.1	147.726	OK
FEH: 30 years: +40 %: 240 mins: Summer	28.622	26.824	27.034	0.210	41.0	0.237	0.000	40.9	158.120	OK
FEH: 30 years: +40 %: 240 mins: Winter	28.622	26.824	26.972	0.148	27.6	0.168	0.000	27.6	157.887	OK
FEH: 30 years: +40 %: 360 mins: Summer	28.622	26.824	26.986	0.162	30.8	0.183	0.000	30.8	173.623	OK
FEH: 30 years: +40 %: 360 mins: Winter	28.622	26.824	26.973	0.149	20.3	0.168	0.000	20.3	173.487	OK
FEH: 30 years: +40 %: 480 mins: Summer	28.622	26.824	27.008	0.184	25.3	0.208	0.000	25.3	185.860	OK
FEH: 30 years: +40 %: 480 mins: Winter	28.622	26.824	27.008	0.184	16.4	0.208	0.000	16.4	185.860	OK
FEH: 30 years: +40 %: 600 mins: Summer	28.622	26.824	27.034	0.210	21.5	0.238	0.000	21.5	196.303	OK
FEH: 30 years: +40 %: 600 mins: Winter	28.622	26.824	27.034	0.210	13.8	0.238	0.000	13.8	196.285	OK

FEH: 30 years: +40 %: 720 mins: Summer	28.622	26.824	27.054	0.230	18.7	0.260	0.000	18.7	205.369	OK
FEH: 30 years: +40 %: 720 mins: Winter	28.622	26.824	27.055	0.231	12.1	0.261	0.000	12.1	205.359	OK
FEH: 30 years: +40 %: 960 mins: Summer	28.622	26.824	27.083	0.259	15.1	0.293	0.000	15.1	220.930	OK
FEH: 30 years: +40 %: 960 mins: Winter	28.622	26.824	27.084	0.260	9.7	0.294	0.000	9.7	220.913	OK
FEH: 30 years: +40 %: 1440 mins: Summer	28.622	26.824	27.113	0.289	11.2	0.326	0.000	11.2	246.009	OK
FEH: 30 years: +40 %: 1440 mins: Winter	28.622	26.824	27.116	0.292	7.2	0.330	0.000	7.2	246.075	OK
FEH: 30 years: +40 %: 2160 mins: Summer	28.622	26.824	27.123	0.299	8.3	0.338	0.000	8.3	274.688	OK
FEH: 30 years: +40 %: 2160 mins: Winter	28.622	26.824	27.129	0.305	5.4	0.345	0.000	5.4	274.548	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	28.622	26.824	27.122	0.298	6.8	0.337	0.000	6.8	297.427	OK
FEH: 30 years: +40 %: 2880 mins: Winter	28.622	26.824	27.123	0.299	4.3	0.338	0.000	4.4	297.479	OK

FEH: 30 years: +40 %: 4320 mins: Summer	28.622	26.824	27.119	0.295	5.1	0.333	0.000	5.1	335.771	OK
FEH: 30 years: +40 %: 4320 mins: Winter	28.622	26.824	27.108	0.284	3.3	0.321	0.000	3.3	335.853	OK
FEH: 30 years: +40 %: 5760 mins: Summer	28.622	26.824	27.113	0.289	4.2	0.326	0.000	4.2	368.549	OK
FEH: 30 years: +40 %: 5760 mins: Winter	28.622	26.824	27.087	0.263	2.7	0.297	0.000	2.7	368.073	OK
FEH: 30 years: +40 %: 7200 mins: Summer	28.622	26.824	27.106	0.282	3.6	0.319	0.000	3.6	398.179	OK
FEH: 30 years: +40 %: 7200 mins: Winter	28.622	26.824	27.066	0.242	2.3	0.273	0.000	2.3	398.007	OK
FEH: 30 years: +40 %: 8640 mins: Summer	28.622	26.824	27.101	0.277	3.2	0.314	0.000	3.2	426.073	OK
FEH: 30 years: +40 %: 8640 mins: Winter	28.622	26.824	27.045	0.221	2.1	0.250	0.000	2.1	426.938	OK
FEH: 30 years: +40 %: 10080 mins: Summer	28.622	26.824	27.099	0.275	2.9	0.311	0.000	2.9	453.482	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	28.622	26.824	27.022	0.198	1.9	0.224	0.000	1.9	454.432	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S04- 5: Rank By: Max. Depth

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
FEH: 30 years: +40 %: 15 mins: Summer	28.502	26.251	26.577	0.327	2.7	0.369	0.000	2.3	2.896	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	28.502	26.251	26.577	0.326	2.7	0.369	0.000	2.3	2.916	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	28.502	26.251	26.669	0.418	2.8	0.473	0.000	2.3	6.381	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	28.502	26.251	26.669	0.418	2.7	0.473	0.000	2.3	6.414	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	28.502	26.251	26.764	0.513	2.7	0.580	0.000	2.3	13.131	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	28.502	26.251	26.764	0.513	2.6	0.580	0.000	2.3	13.214	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	28.502	26.251	26.840	0.589	2.6	0.666	0.000	2.3	26.240	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	28.502	26.251	26.840	0.589	2.5	0.666	0.000	2.3	26.393	Surcharged

FEH: 30 years: +40 %: 180 mins: Summer	28.502	26.251	26.888	0.637	2.5	0.720	0.000	2.3	38.514	Surcharged
FEH: 30 years: +40 %: 180 mins: Winter	28.502	26.251	26.887	0.637	2.4	0.720	0.000	2.3	38.727	Surcharged
FEH: 30 years: +40 %: 240 mins: Summer	28.502	26.251	26.923	0.672	2.5	0.760	0.000	2.3	49.974	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	28.502	26.251	26.923	0.672	2.4	0.760	0.000	2.3	50.251	Surcharged
FEH: 30 years: +40 %: 360 mins: Summer	28.502	26.251	26.973	0.722	2.4	0.817	0.000	2.3	73.960	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	28.502	26.251	26.973	0.722	2.4	0.816	0.000	2.3	74.408	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	28.502	26.251	27.008	0.757	2.4	0.856	0.000	2.3	99.877	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	28.502	26.251	27.008	0.757	2.3	0.856	0.000	2.3	100.444	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	28.502	26.251	27.034	0.783	2.4	0.886	0.000	2.3	126.178	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	28.502	26.251	27.034	0.783	2.3	0.886	0.000	2.3	126.824	Surcharged

FEH: 30 years: +40 %: 720 mins: Summer	28.502	26.251	27.054	0.803	2.4	0.908	0.000	2.3	152.616	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	28.502	26.251	27.054	0.804	2.3	0.909	0.000	2.3	153.311	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	28.502	26.251	27.082	0.832	2.3	0.940	0.000	2.3	205.478	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	28.502	26.251	27.083	0.833	2.3	0.942	0.000	2.3	206.248	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	28.502	26.251	27.112	0.861	2.3	0.974	0.000	2.3	312.322	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	28.502	26.251	27.115	0.864	2.3	0.978	0.000	2.3	313.390	Surcharged
FEH: 30 years: +40 %: 2160 mins: Summer	28.502	26.251	27.122	0.872	2.3	0.986	0.000	2.3	478.817	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	28.502	26.251	27.128	0.877	2.3	0.992	0.000	2.3	480.455	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	28.502	26.251	27.122	0.871	2.3	0.985	0.000	2.3	649.763	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	28.502	26.251	27.122	0.871	2.3	0.986	0.000	2.3	652.458	Surcharged

FEH: 30 years: +40 %: 4320 mins: Summer	28.502	26.251	27.118	0.868	2.3	0.981	0.000	2.3	928.483	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	28.502	26.251	27.107	0.856	2.3	0.969	0.000	2.3	930.384	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	28.502	26.251	27.112	0.861	2.3	0.974	0.000	2.3	1041.660	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	28.502	26.251	27.086	0.836	2.3	0.945	0.000	2.3	1040.723	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	28.502	26.251	27.106	0.855	2.3	0.967	0.000	2.3	1128.070	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	28.502	26.251	27.065	0.815	2.3	0.921	0.000	2.3	1127.831	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	28.502	26.251	27.101	0.850	2.3	0.962	0.000	2.3	1208.598	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	28.502	26.251	27.044	0.794	2.3	0.897	0.000	2.3	1209.124	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	28.502	26.251	27.098	0.847	2.3	0.958	0.000	2.3	1286.609	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	28.502	26.251	27.022	0.771	2.3	0.872	0.000	2.3	1285.656	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S12-5: Rank By: Max. Depth

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
FEH: 30 years: +40 %: 15 mins: Summer	28.755	27.012	27.192	0.180	50.6	0.204	0.000	49.0	21.957	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.755	27.012	27.183	0.171	47.5	0.193	0.000	46.1	21.989	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.755	27.012	27.145	0.133	33.1	0.150	0.000	33.1	28.692	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.755	27.012	27.139	0.127	31.1	0.144	0.000	31.1	28.691	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.755	27.012	27.133	0.121	28.7	0.137	0.000	28.7	35.897	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.755	27.012	27.118	0.106	23.1	0.120	0.000	23.1	35.903	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.755	27.012	27.109	0.097	20.0	0.110	0.000	20.0	42.166	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.755	27.012	27.093	0.081	14.4	0.091	0.000	14.4	42.160	OK

FEH: 30 years: +40 %: 180 mins: Summer	28.755	27.012	27.096	0.084	15.5	0.095	0.000	15.5	46.366	OK
FEH: 30 years: +40 %: 180 mins: Winter	28.755	27.012	27.080	0.068	10.7	0.077	0.000	10.7	46.359	OK
FEH: 30 years: +40 %: 240 mins: Summer	28.755	27.012	27.088	0.076	12.9	0.086	0.000	12.9	49.613	OK
FEH: 30 years: +40 %: 240 mins: Winter	28.755	27.012	27.073	0.061	8.7	0.069	0.000	8.7	49.605	OK
FEH: 30 years: +40 %: 360 mins: Summer	28.755	27.012	27.077	0.065	9.7	0.073	0.000	9.7	54.591	OK
FEH: 30 years: +40 %: 360 mins: Winter	28.755	27.012	27.064	0.052	6.4	0.059	0.000	6.4	54.601	OK
FEH: 30 years: +40 %: 480 mins: Summer	28.755	27.012	27.070	0.058	7.9	0.066	0.000	7.9	58.513	OK
FEH: 30 years: +40 %: 480 mins: Winter	28.755	27.012	27.059	0.047	5.1	0.053	0.000	5.1	58.526	OK
FEH: 30 years: +40 %: 600 mins: Summer	28.755	27.012	27.065	0.053	6.7	0.060	0.000	6.7	61.797	OK
FEH: 30 years: +40 %: 600 mins: Winter	28.755	27.012	27.055	0.043	4.3	0.048	0.000	4.3	61.761	OK

FEH: 30 years: +40 %: 720 mins: Summer	28.755	27.012	27.062	0.050	5.9	0.056	0.000	5.9	64.630	OK
FEH: 30 years: +40 %: 720 mins: Winter	28.755	27.012	27.055	0.043	3.8	0.048	0.000	3.8	64.648	OK
FEH: 30 years: +40 %: 960 mins: Summer	28.755	27.012	27.083	0.071	4.7	0.080	0.000	4.7	69.507	OK
FEH: 30 years: +40 %: 960 mins: Winter	28.755	27.012	27.084	0.072	3.0	0.081	0.000	3.0	69.504	OK
FEH: 30 years: +40 %: 1440 mins: Summer	28.755	27.012	27.113	0.101	3.5	0.114	0.000	3.5	77.160	OK
FEH: 30 years: +40 %: 1440 mins: Winter	28.755	27.012	27.116	0.104	2.3	0.117	0.000	2.3	77.211	OK
FEH: 30 years: +40 %: 2160 mins: Summer	28.755	27.012	27.123	0.111	2.6	0.125	0.000	2.6	86.157	OK
FEH: 30 years: +40 %: 2160 mins: Winter	28.755	27.012	27.129	0.117	1.7	0.132	0.000	1.7	86.160	OK
FEH: 30 years: +40 %: 2880 mins: Summer	28.755	27.012	27.122	0.110	2.1	0.125	0.000	2.1	93.238	OK
FEH: 30 years: +40 %: 2880 mins: Winter	28.755	27.012	27.123	0.111	1.4	0.125	0.000	1.4	93.325	OK

FEH: 30 years: +40 %: 4320 mins: Summer	28.755	27.012	27.119	0.107	1.6	0.121	0.000	1.6	105.211	OK
FEH: 30 years: +40 %: 4320 mins: Winter	28.755	27.012	27.108	0.096	1.0	0.108	0.000	1.0	105.141	OK
FEH: 30 years: +40 %: 5760 mins: Summer	28.755	27.012	27.112	0.100	1.3	0.114	0.000	1.3	115.418	OK
FEH: 30 years: +40 %: 5760 mins: Winter	28.755	27.012	27.087	0.075	0.9	0.085	0.000	0.9	115.438	OK
FEH: 30 years: +40 %: 7200 mins: Summer	28.755	27.012	27.106	0.094	1.1	0.106	0.000	1.1	125.097	OK
FEH: 30 years: +40 %: 7200 mins: Winter	28.755	27.012	27.066	0.054	0.7	0.061	0.000	0.7	124.834	OK
FEH: 30 years: +40 %: 8640 mins: Summer	28.755	27.012	27.101	0.089	1.0	0.101	0.000	1.0	134.144	OK
FEH: 30 years: +40 %: 8640 mins: Winter	28.755	27.012	27.045	0.033	0.6	0.037	0.000	0.6	133.677	OK
FEH: 30 years: +40 %: 10080 mins: Summer	28.755	27.012	27.099	0.087	0.9	0.098	0.000	0.9	142.250	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	28.755	27.012	27.028	0.016	0.6	0.018	0.000	0.6	142.113	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S06 - 5 : Rank By: Max. Depth

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
FEH: 30 years: +40 %: 15 mins: Summer	28.888	27.629	27.875	0.246	108.4	0.070	0.000	103.3	49.352	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.888	27.629	27.863	0.234	102.1	0.066	0.000	97.7	49.352	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.888	27.629	27.818	0.189	74.4	0.054	0.000	74.4	64.413	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.888	27.629	27.810	0.181	69.8	0.051	0.000	69.8	64.430	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.888	27.629	27.801	0.172	64.5	0.049	0.000	64.5	80.620	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.888	27.629	27.779	0.150	51.9	0.042	0.000	51.9	80.632	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.888	27.629	27.766	0.137	44.9	0.039	0.000	44.9	94.691	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.888	27.629	27.742	0.113	32.3	0.032	0.000	32.3	94.682	OK

FEH: 30 years: +40 %: 180 mins: Summer	28.888	27.629	27.747	0.118	34.9	0.033	0.000	34.9	104.117	OK
FEH: 30 years: +40 %: 180 mins: Winter	28.888	27.629	27.725	0.096	24.0	0.027	0.000	24.0	104.159	OK
FEH: 30 years: +40 %: 240 mins: Summer	28.888	27.629	27.735	0.106	28.9	0.030	0.000	28.9	111.425	OK
FEH: 30 years: +40 %: 240 mins: Winter	28.888	27.629	27.714	0.085	19.4	0.024	0.000	19.4	111.449	OK
FEH: 30 years: +40 %: 360 mins: Summer	28.888	27.629	27.720	0.091	21.7	0.026	0.000	21.7	122.657	OK
FEH: 30 years: +40 %: 360 mins: Winter	28.888	27.629	27.701	0.072	14.3	0.020	0.000	14.3	122.615	OK
FEH: 30 years: +40 %: 480 mins: Summer	28.888	27.629	27.710	0.081	17.8	0.023	0.000	17.8	131.435	OK
FEH: 30 years: +40 %: 480 mins: Winter	28.888	27.629	27.694	0.064	11.5	0.018	0.000	11.5	131.411	OK
FEH: 30 years: +40 %: 600 mins: Summer	28.888	27.629	27.704	0.074	15.1	0.021	0.000	15.1	138.782	OK
FEH: 30 years: +40 %: 600 mins: Winter	28.888	27.629	27.688	0.059	9.7	0.017	0.000	9.7	138.779	OK

FEH: 30 years: +40 %: 720 mins: Summer	28.888	27.629	27.698	0.069	13.2	0.020	0.000	13.2	145.181	OK
FEH: 30 years: +40 %: 720 mins: Winter	28.888	27.629	27.684	0.055	8.5	0.016	0.000	8.5	145.235	OK
FEH: 30 years: +40 %: 960 mins: Summer	28.888	27.629	27.691	0.062	10.6	0.017	0.000	10.6	156.089	OK
FEH: 30 years: +40 %: 960 mins: Winter	28.888	27.629	27.678	0.049	6.8	0.014	0.000	6.8	156.083	OK
FEH: 30 years: +40 %: 1440 mins: Summer	28.888	27.629	27.682	0.053	7.9	0.015	0.000	7.9	173.381	OK
FEH: 30 years: +40 %: 1440 mins: Winter	28.888	27.629	27.672	0.042	5.1	0.012	0.000	5.1	173.465	OK
FEH: 30 years: +40 %: 2160 mins: Summer	28.888	27.629	27.675	0.045	5.8	0.013	0.000	5.8	193.469	OK
FEH: 30 years: +40 %: 2160 mins: Winter	28.888	27.629	27.666	0.037	3.8	0.010	0.000	3.8	193.595	OK
FEH: 30 years: +40 %: 2880 mins: Summer	28.888	27.629	27.670	0.041	4.8	0.012	0.000	4.8	209.387	OK
FEH: 30 years: +40 %: 2880 mins: Winter	28.888	27.629	27.662	0.033	3.1	0.009	0.000	3.1	209.585	OK

FEH: 30 years: +40 %: 4320 mins: Summer	28.888	27.629	27.665	0.036	3.6	0.010	0.000	3.6	236.027	OK
FEH: 30 years: +40 %: 4320 mins: Winter	28.888	27.629	27.658	0.029	2.3	0.008	0.000	2.3	236.405	OK
FEH: 30 years: +40 %: 5760 mins: Summer	28.888	27.629	27.661	0.032	3.0	0.009	0.000	3.0	259.199	OK
FEH: 30 years: +40 %: 5760 mins: Winter	28.888	27.629	27.655	0.026	1.9	0.007	0.000	1.9	258.533	OK
FEH: 30 years: +40 %: 7200 mins: Summer	28.888	27.629	27.659	0.030	2.5	0.009	0.000	2.5	280.799	OK
FEH: 30 years: +40 %: 7200 mins: Winter	28.888	27.629	27.654	0.024	1.6	0.007	0.000	1.6	280.163	OK
FEH: 30 years: +40 %: 8640 mins: Summer	28.888	27.629	27.658	0.029	2.3	0.008	0.000	2.3	300.869	OK
FEH: 30 years: +40 %: 8640 mins: Winter	28.888	27.629	27.652	0.023	1.5	0.007	0.000	1.5	300.329	OK
FEH: 30 years: +40 %: 10080 mins: Summer	28.888	27.629	27.656	0.027	2.1	0.008	0.000	2.1	319.697	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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FEH: 30 years: +40 %: 10080 mins: Winter	28.888	27.629	27.651	0.022	1.3	0.006	0.000	1.3	319.553	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S14 - 5: Rank By: Max. Depth

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
FEH: 30 years: +40 %: 15 mins: Summer	27.850	27.250	27.852	0.602	52.3	2.352	2.230	64.0	9.834	Flood
FEH: 30 years: +40 %: 15 mins: Winter	27.850	27.250	27.852	0.602	44.4	1.728	1.606	57.7	8.300	Flood
FEH: 30 years: +40 %: 30 mins: Summer	27.850	27.250	27.809	0.559	13.2	0.114	0.000	5.1	4.981	Flood Risk
FEH: 30 years: +40 %: 30 mins: Winter	27.850	27.250	27.712	0.462	12.2	0.094	0.000	4.8	4.915	Flood Risk
FEH: 30 years: +40 %: 60 mins: Summer	27.850	27.250	27.605	0.355	12.9	0.072	0.000	4.4	5.905	Flood Risk
FEH: 30 years: +40 %: 60 mins: Winter	27.850	27.250	27.367	0.117	3.6	0.024	0.000	3.5	5.547	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.850	27.250	27.283	0.033	3.1	0.007	0.000	3.1	6.509	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.850	27.250	27.279	0.029	2.2	0.006	0.000	2.2	6.500	OK

FEH: 30 years: +40 %: 180 mins: Summer	27.850	27.250	27.280	0.030	2.4	0.006	0.000	2.4	7.149	OK
FEH: 30 years: +40 %: 180 mins: Winter	27.850	27.250	27.276	0.026	1.6	0.005	0.000	1.6	7.147	OK
FEH: 30 years: +40 %: 240 mins: Summer	27.850	27.250	27.278	0.028	2.0	0.006	0.000	2.0	7.651	OK
FEH: 30 years: +40 %: 240 mins: Winter	27.850	27.250	27.273	0.023	1.3	0.005	0.000	1.3	7.657	OK
FEH: 30 years: +40 %: 360 mins: Summer	27.850	27.250	27.275	0.025	1.5	0.005	0.000	1.5	8.425	OK
FEH: 30 years: +40 %: 360 mins: Winter	27.850	27.250	27.270	0.020	1.0	0.004	0.000	1.0	8.400	OK
FEH: 30 years: +40 %: 480 mins: Summer	27.850	27.250	27.272	0.022	1.2	0.005	0.000	1.2	9.020	OK
FEH: 30 years: +40 %: 480 mins: Winter	27.850	27.250	27.268	0.018	0.8	0.004	0.000	0.8	9.031	OK
FEH: 30 years: +40 %: 600 mins: Summer	27.850	27.250	27.271	0.021	1.0	0.004	0.000	1.0	9.549	OK
FEH: 30 years: +40 %: 600 mins: Winter	27.850	27.250	27.267	0.017	0.7	0.003	0.000	0.7	9.543	OK

FEH: 30 years: +40 %: 720 mins: Summer	27.850	27.250	27.269	0.019	0.9	0.004	0.000	0.9	9.976	OK
FEH: 30 years: +40 %: 720 mins: Winter	27.850	27.250	27.266	0.016	0.6	0.003	0.000	0.6	9.964	OK
FEH: 30 years: +40 %: 960 mins: Summer	27.850	27.250	27.268	0.018	0.7	0.004	0.000	0.7	10.722	OK
FEH: 30 years: +40 %: 960 mins: Winter	27.850	27.250	27.264	0.014	0.5	0.003	0.000	0.5	10.668	OK
FEH: 30 years: +40 %: 1440 mins: Summer	27.850	27.250	27.265	0.015	0.5	0.003	0.000	0.5	11.929	OK
FEH: 30 years: +40 %: 1440 mins: Winter	27.850	27.250	27.263	0.013	0.3	0.003	0.000	0.4	11.906	OK
FEH: 30 years: +40 %: 2160 mins: Summer	27.850	27.250	27.263	0.013	0.4	0.003	0.000	0.4	13.298	OK
FEH: 30 years: +40 %: 2160 mins: Winter	27.850	27.250	27.261	0.011	0.3	0.002	0.000	0.3	13.286	OK
FEH: 30 years: +40 %: 2880 mins: Summer	27.850	27.250	27.262	0.012	0.3	0.002	0.000	0.3	14.395	OK
FEH: 30 years: +40 %: 2880 mins: Winter	27.850	27.250	27.260	0.010	0.2	0.002	0.000	0.2	14.443	OK

FEH: 30 years: +40 %: 4320 mins: Summer	27.850	27.250	27.261	0.011	0.3	0.002	0.000	0.3	16.308	OK
FEH: 30 years: +40 %: 4320 mins: Winter	27.850	27.250	27.259	0.009	0.2	0.002	0.000	0.2	16.415	OK
FEH: 30 years: +40 %: 5760 mins: Summer	27.850	27.250	27.260	0.010	0.2	0.002	0.000	0.2	17.961	OK
FEH: 30 years: +40 %: 5760 mins: Winter	27.850	27.250	27.258	0.008	0.1	0.002	0.000	0.1	17.744	OK
FEH: 30 years: +40 %: 7200 mins: Summer	27.850	27.250	27.259	0.009	0.2	0.002	0.000	0.2	19.299	OK
FEH: 30 years: +40 %: 7200 mins: Winter	27.850	27.250	27.257	0.007	0.1	0.002	0.000	0.1	19.273	OK
FEH: 30 years: +40 %: 8640 mins: Summer	27.850	27.250	27.259	0.009	0.2	0.002	0.000	0.2	20.438	OK
FEH: 30 years: +40 %: 8640 mins: Winter	27.850	27.250	27.257	0.007	0.1	0.001	0.000	0.1	20.935	OK
FEH: 30 years: +40 %: 10080 mins: Summer	27.850	27.250	27.258	0.008	0.1	0.002	0.000	0.1	21.644	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	27.850	27.250	27.257	0.007	0.1	0.001	0.000	0.1	22.380	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for EX : Rank By: Max. Depth

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
FEH: 30 years: +40 %: 15 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	2.851	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	2.871	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	6.336	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	6.370	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	13.087	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	13.170	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	26.197	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	26.349	OK

FEH: 30 years: +40 %: 180 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	38.471	OK
FEH: 30 years: +40 %: 180 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	38.684	OK
FEH: 30 years: +40 %: 240 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	49.932	OK
FEH: 30 years: +40 %: 240 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	50.209	OK
FEH: 30 years: +40 %: 360 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	73.919	OK
FEH: 30 years: +40 %: 360 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	74.367	OK
FEH: 30 years: +40 %: 480 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	99.836	OK
FEH: 30 years: +40 %: 480 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	100.404	OK
FEH: 30 years: +40 %: 600 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	126.137	OK
FEH: 30 years: +40 %: 600 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	126.784	OK

FEH: 30 years: +40 %: 720 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	152.575	OK
FEH: 30 years: +40 %: 720 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	153.270	OK
FEH: 30 years: +40 %: 960 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	205.438	OK
FEH: 30 years: +40 %: 960 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	206.208	OK
FEH: 30 years: +40 %: 1440 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	312.280	OK
FEH: 30 years: +40 %: 1440 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	313.348	OK
FEH: 30 years: +40 %: 2160 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	478.772	OK
FEH: 30 years: +40 %: 2160 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	480.411	OK
FEH: 30 years: +40 %: 2880 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	649.718	OK
FEH: 30 years: +40 %: 2880 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	652.414	OK

FEH: 30 years: +40 %: 4320 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	928.461	OK
FEH: 30 years: +40 %: 4320 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	930.363	OK
FEH: 30 years: +40 %: 5760 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1041.655	OK
FEH: 30 years: +40 %: 5760 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1040.718	OK
FEH: 30 years: +40 %: 7200 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1128.067	OK
FEH: 30 years: +40 %: 7200 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1127.829	OK
FEH: 30 years: +40 %: 8640 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1208.596	OK
FEH: 30 years: +40 %: 8640 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1209.122	OK
FEH: 30 years: +40 %: 10080 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1286.608	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1285.654	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S03-5: Rank By: Max. Depth

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
FEH: 30 years: +40 %: 15 mins: Summer	28.711	26.695	27.293	0.598	185.4	3.422	0.000	181.9	105.534	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	28.711	26.695	27.278	0.583	180.5	3.339	0.000	178.0	105.498	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	28.711	26.695	27.213	0.518	159.0	2.965	0.000	159.0	137.775	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	28.711	26.695	27.183	0.488	149.2	2.793	0.000	149.2	137.777	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	28.711	26.695	27.150	0.455	138.0	2.606	0.000	138.0	171.962	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	28.711	26.695	27.075	0.380	110.6	2.177	0.000	110.5	171.982	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	28.711	26.695	27.022	0.327	95.6	1.873	0.000	95.5	201.278	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	28.711	26.695	26.944	0.249	69.0	1.425	0.000	69.0	201.250	OK

FEH: 30 years: +40 %: 180 mins: Summer	28.711	26.695	26.957	0.262	74.2	1.500	0.000	74.1	221.151	OK
FEH: 30 years: +40 %: 180 mins: Winter	28.711	26.695	26.901	0.206	51.4	1.178	0.000	51.4	220.806	OK
FEH: 30 years: +40 %: 240 mins: Summer	28.711	26.695	26.926	0.231	61.7	1.321	0.000	61.6	236.351	OK
FEH: 30 years: +40 %: 240 mins: Winter	28.711	26.695	26.923	0.228	41.5	1.305	0.000	41.5	235.798	OK
FEH: 30 years: +40 %: 360 mins: Summer	28.711	26.695	26.973	0.278	46.4	1.592	0.000	46.4	259.297	OK
FEH: 30 years: +40 %: 360 mins: Winter	28.711	26.695	26.973	0.278	30.6	1.591	0.000	30.6	259.023	OK
FEH: 30 years: +40 %: 480 mins: Summer	28.711	26.695	27.008	0.313	38.1	1.793	0.000	38.1	277.512	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	28.711	26.695	27.008	0.313	24.7	1.793	0.000	24.7	277.502	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	28.711	26.695	27.034	0.339	32.3	1.942	0.000	32.3	293.131	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	28.711	26.695	27.034	0.339	20.8	1.943	0.000	20.8	293.159	Surcharged

FEH: 30 years: +40 %: 720 mins: Summer	28.711	26.695	27.054	0.359	28.2	2.057	0.000	28.2	306.899	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	28.711	26.695	27.055	0.360	18.2	2.060	0.000	18.2	306.884	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	28.711	26.695	27.083	0.388	22.7	2.220	0.000	22.7	330.428	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	28.711	26.695	27.084	0.389	14.7	2.226	0.000	14.7	330.483	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	28.711	26.695	27.113	0.418	16.8	2.391	0.000	16.8	368.811	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	28.711	26.695	27.116	0.421	10.9	2.409	0.000	10.9	368.986	Surcharged
FEH: 30 years: +40 %: 2160 mins: Summer	28.711	26.695	27.123	0.428	12.5	2.449	0.000	12.5	413.314	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	28.711	26.695	27.129	0.434	8.1	2.483	0.000	8.1	413.233	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	28.711	26.695	27.122	0.427	10.2	2.447	0.000	10.2	448.164	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	28.711	26.695	27.123	0.428	6.6	2.448	0.000	6.6	448.243	Surcharged

FEH: 30 years: +40 %: 4320 mins: Summer	28.711	26.695	27.119	0.424	7.7	2.426	0.000	7.7	505.647	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	28.711	26.695	27.108	0.413	4.9	2.362	0.000	4.9	505.957	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	28.711	26.695	27.112	0.417	6.3	2.390	0.000	6.3	555.062	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	28.711	26.695	27.087	0.392	4.1	2.244	0.000	4.1	554.519	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	28.711	26.695	27.106	0.411	5.4	2.353	0.000	5.4	599.390	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	28.711	26.695	27.066	0.371	3.5	2.123	0.000	3.5	600.020	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	28.711	26.695	27.101	0.406	4.9	2.327	0.000	4.9	641.914	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	28.711	26.695	27.045	0.350	3.1	2.002	0.000	3.1	643.210	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	28.711	26.695	27.099	0.404	4.4	2.311	0.000	4.4	683.854	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	28.711	26.695	27.022	0.327	2.9	1.875	0.000	2.9	683.987	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S08-5: Rank By: Max. Depth

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
FEH: 30 years: +40 %: 15 mins: Summer	28.888	28.285	28.321	0.036	4.5	0.010	0.000	4.2	1.953	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.888	28.285	28.320	0.035	4.2	0.010	0.000	4.0	1.953	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.888	28.285	28.315	0.030	2.9	0.009	0.000	2.9	2.544	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.888	28.285	28.314	0.029	2.8	0.008	0.000	2.8	2.550	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.888	28.285	28.313	0.028	2.6	0.008	0.000	2.5	3.186	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.888	28.285	28.310	0.025	2.0	0.007	0.000	2.0	3.186	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.888	28.285	28.309	0.024	1.8	0.007	0.000	1.8	3.738	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.888	28.285	28.305	0.020	1.3	0.006	0.000	1.3	3.750	OK

FEH: 30 years: +40 %: 180 mins: Summer	28.888	28.285	28.306	0.021	1.4	0.006	0.000	1.4	4.122	OK
FEH: 30 years: +40 %: 180 mins: Winter	28.888	28.285	28.303	0.018	0.9	0.005	0.000	0.9	4.122	OK
FEH: 30 years: +40 %: 240 mins: Summer	28.888	28.285	28.304	0.019	1.1	0.005	0.000	1.1	4.422	OK
FEH: 30 years: +40 %: 240 mins: Winter	28.888	28.285	28.301	0.016	0.8	0.005	0.000	0.8	4.434	OK
FEH: 30 years: +40 %: 360 mins: Summer	28.888	28.285	28.302	0.017	0.9	0.005	0.000	0.9	4.866	OK
FEH: 30 years: +40 %: 360 mins: Winter	28.888	28.285	28.299	0.014	0.6	0.004	0.000	0.6	4.836	OK
FEH: 30 years: +40 %: 480 mins: Summer	28.888	28.285	28.300	0.015	0.7	0.004	0.000	0.7	5.196	OK
FEH: 30 years: +40 %: 480 mins: Winter	28.888	28.285	28.298	0.013	0.5	0.004	0.000	0.5	5.214	OK
FEH: 30 years: +40 %: 600 mins: Summer	28.888	28.285	28.299	0.014	0.6	0.004	0.000	0.6	5.478	OK
FEH: 30 years: +40 %: 600 mins: Winter	28.888	28.285	28.297	0.012	0.4	0.003	0.000	0.4	5.514	OK

FEH: 30 years: +40 %: 720 mins: Summer	28.888	28.285	28.298	0.013	0.5	0.004	0.000	0.5	5.748	OK
FEH: 30 years: +40 %: 720 mins: Winter	28.888	28.285	28.296	0.011	0.3	0.003	0.000	0.3	5.748	OK
FEH: 30 years: +40 %: 960 mins: Summer	28.888	28.285	28.297	0.012	0.4	0.003	0.000	0.4	6.192	OK
FEH: 30 years: +40 %: 960 mins: Winter	28.888	28.285	28.295	0.010	0.3	0.003	0.000	0.3	6.198	OK
FEH: 30 years: +40 %: 1440 mins: Summer	28.888	28.285	28.296	0.011	0.3	0.003	0.000	0.3	6.900	OK
FEH: 30 years: +40 %: 1440 mins: Winter	28.888	28.285	28.294	0.009	0.2	0.002	0.000	0.2	6.924	OK
FEH: 30 years: +40 %: 2160 mins: Summer	28.888	28.285	28.294	0.009	0.2	0.003	0.000	0.2	7.596	OK
FEH: 30 years: +40 %: 2160 mins: Winter	28.888	28.285	28.293	0.008	0.2	0.002	0.000	0.2	7.764	OK
FEH: 30 years: +40 %: 2880 mins: Summer	28.888	28.285	28.294	0.009	0.2	0.002	0.000	0.2	8.370	OK
FEH: 30 years: +40 %: 2880 mins: Winter	28.888	28.285	28.292	0.007	0.1	0.002	0.000	0.1	8.262	OK

FEH: 30 years: +40 %: 4320 mins: Summer	28.888	28.285	28.292	0.007	0.1	0.002	0.000	0.1	9.228	OK
FEH: 30 years: +40 %: 4320 mins: Winter	28.888	28.285	28.290	0.005	0.1	0.002	0.000	0.1	9.492	OK
FEH: 30 years: +40 %: 5760 mins: Summer	28.888	28.285	28.292	0.007	0.1	0.002	0.000	0.1	10.224	OK
FEH: 30 years: +40 %: 5760 mins: Winter	28.888	28.285	28.290	0.005	0.1	0.001	0.000	0.1	10.020	OK
FEH: 30 years: +40 %: 7200 mins: Summer	28.888	28.285	28.291	0.006	0.1	0.002	0.000	0.1	10.896	OK
FEH: 30 years: +40 %: 7200 mins: Winter	28.888	28.285	28.289	0.004	0.1	0.001	0.000	0.1	10.878	OK
FEH: 30 years: +40 %: 8640 mins: Summer	28.888	28.285	28.290	0.005	0.1	0.002	0.000	0.1	12.024	OK
FEH: 30 years: +40 %: 8640 mins: Winter	28.888	28.285	28.289	0.004	0.1	0.001	0.000	0.1	11.820	OK
FEH: 30 years: +40 %: 10080 mins: Summer	28.888	28.285	28.290	0.005	0.1	0.001	0.000	0.1	13.068	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	28.888	28.285	28.289	0.004	0.0	0.001	0.000	0.1	12.816	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S11-5: Rank By: Max. Depth

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
FEH: 30 years: +40 %: 15 mins: Summer	28.558	26.758	26.959	0.201	49.0	0.228	0.000	45.2	22.008	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.558	26.758	26.950	0.192	46.1	0.218	0.000	42.8	22.021	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.558	26.758	26.916	0.158	33.1	0.179	0.000	33.1	28.744	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.558	26.758	26.909	0.151	31.1	0.171	0.000	31.1	28.743	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.558	26.758	26.902	0.144	28.7	0.163	0.000	28.7	35.988	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.558	26.758	26.885	0.127	23.1	0.144	0.000	23.1	35.993	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.558	26.758	26.876	0.118	20.0	0.133	0.000	20.0	41.940	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.558	26.758	26.857	0.099	14.4	0.112	0.000	14.4	41.879	OK

FEH: 30 years: +40 %: 180 mins: Summer	28.558	26.758	26.887	0.129	15.5	0.146	0.000	15.5	45.802	OK
FEH: 30 years: +40 %: 180 mins: Winter	28.558	26.758	26.888	0.130	10.7	0.147	0.000	10.7	45.769	OK
FEH: 30 years: +40 %: 240 mins: Summer	28.558	26.758	26.923	0.165	12.9	0.186	0.000	12.9	48.783	OK
FEH: 30 years: +40 %: 240 mins: Winter	28.558	26.758	26.923	0.165	8.7	0.186	0.000	8.7	48.745	OK
FEH: 30 years: +40 %: 360 mins: Summer	28.558	26.758	26.973	0.215	9.7	0.243	0.000	9.7	53.483	OK
FEH: 30 years: +40 %: 360 mins: Winter	28.558	26.758	26.973	0.215	6.4	0.243	0.000	6.4	53.448	OK
FEH: 30 years: +40 %: 480 mins: Summer	28.558	26.758	27.008	0.250	7.9	0.283	0.000	7.9	57.230	OK
FEH: 30 years: +40 %: 480 mins: Winter	28.558	26.758	27.008	0.250	5.1	0.283	0.000	5.2	57.240	OK
FEH: 30 years: +40 %: 600 mins: Summer	28.558	26.758	27.034	0.276	6.7	0.312	0.000	6.7	60.490	OK
FEH: 30 years: +40 %: 600 mins: Winter	28.558	26.758	27.034	0.276	4.3	0.312	0.000	4.3	60.426	OK

FEH: 30 years: +40 %: 720 mins: Summer	28.558	26.758	27.054	0.296	5.9	0.335	0.000	5.9	63.306	OK
FEH: 30 years: +40 %: 720 mins: Winter	28.558	26.758	27.055	0.297	3.8	0.336	0.000	3.8	63.317	OK
FEH: 30 years: +40 %: 960 mins: Summer	28.558	26.758	27.083	0.325	4.7	0.367	0.000	4.7	68.296	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	28.558	26.758	27.084	0.326	3.0	0.368	0.000	3.1	68.289	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	28.558	26.758	27.113	0.355	3.5	0.401	0.000	3.5	76.453	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	28.558	26.758	27.116	0.358	2.3	0.404	0.000	2.3	76.499	Surcharged
FEH: 30 years: +40 %: 2160 mins: Summer	28.558	26.758	27.123	0.365	2.6	0.412	0.000	2.6	86.235	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	28.558	26.758	27.129	0.371	1.7	0.419	0.000	1.7	86.224	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	28.558	26.758	27.122	0.364	2.1	0.412	0.000	2.1	93.316	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	28.558	26.758	27.123	0.365	1.4	0.412	0.000	1.4	93.390	Surcharged

FEH: 30 years: +40 %: 4320 mins: Summer	28.558	26.758	27.119	0.361	1.6	0.408	0.000	1.6	105.280	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	28.558	26.758	27.108	0.350	1.0	0.395	0.000	1.0	105.198	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	28.558	26.758	27.112	0.354	1.3	0.401	0.000	1.3	115.482	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	28.558	26.758	27.087	0.329	0.9	0.372	0.000	0.9	115.490	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	28.558	26.758	27.106	0.348	1.1	0.393	0.000	1.1	125.156	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	28.558	26.758	27.066	0.308	0.7	0.348	0.000	0.7	124.883	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	28.558	26.758	27.101	0.343	1.0	0.388	0.000	1.0	134.202	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	28.558	26.758	27.045	0.287	0.6	0.324	0.000	0.7	133.725	OK
FEH: 30 years: +40 %: 10080 mins: Summer	28.558	26.758	27.099	0.341	0.9	0.385	0.000	0.9	142.306	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	28.558	26.758	27.022	0.264	0.6	0.299	0.000	0.6	142.159	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S13-5: Rank By: Max. Depth

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
FEH: 30 years: +40 %: 15 mins: Summer	28.754	26.941	27.117	0.176	50.3	0.200	0.000	49.1	21.685	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.754	26.941	27.109	0.168	47.2	0.190	0.000	46.2	21.707	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.754	26.941	27.069	0.128	32.9	0.145	0.000	32.9	28.356	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.754	26.941	27.064	0.123	30.9	0.139	0.000	30.9	28.381	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.754	26.941	27.057	0.116	28.6	0.132	0.000	28.6	35.519	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.754	26.941	27.043	0.102	23.0	0.115	0.000	23.0	35.547	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.754	26.941	27.035	0.094	19.9	0.106	0.000	19.9	41.763	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.754	26.941	27.020	0.079	14.3	0.089	0.000	14.3	41.821	OK

FEH: 30 years: +40 %: 180 mins: Summer	28.754	26.941	27.023	0.082	15.4	0.093	0.000	15.4	45.998	OK
FEH: 30 years: +40 %: 180 mins: Winter	28.754	26.941	27.008	0.067	10.6	0.076	0.000	10.6	46.017	OK
FEH: 30 years: +40 %: 240 mins: Summer	28.754	26.941	27.015	0.074	12.8	0.084	0.000	12.8	49.240	OK
FEH: 30 years: +40 %: 240 mins: Winter	28.754	26.941	27.001	0.060	8.6	0.068	0.000	8.6	49.273	OK
FEH: 30 years: +40 %: 360 mins: Summer	28.754	26.941	27.004	0.063	9.6	0.072	0.000	9.6	54.213	OK
FEH: 30 years: +40 %: 360 mins: Winter	28.754	26.941	26.992	0.051	6.3	0.058	0.000	6.3	54.200	OK
FEH: 30 years: +40 %: 480 mins: Summer	28.754	26.941	27.008	0.067	7.9	0.076	0.000	7.9	58.117	OK
FEH: 30 years: +40 %: 480 mins: Winter	28.754	26.941	27.008	0.067	5.1	0.076	0.000	5.1	58.138	OK
FEH: 30 years: +40 %: 600 mins: Summer	28.754	26.941	27.034	0.093	6.7	0.105	0.000	6.7	61.397	OK
FEH: 30 years: +40 %: 600 mins: Winter	28.754	26.941	27.034	0.093	4.3	0.105	0.000	4.3	61.420	OK

FEH: 30 years: +40 %: 720 mins: Summer	28.754	26.941	27.054	0.113	5.8	0.128	0.000	5.8	64.206	OK
FEH: 30 years: +40 %: 720 mins: Winter	28.754	26.941	27.055	0.114	3.8	0.129	0.000	3.8	64.224	OK
FEH: 30 years: +40 %: 960 mins: Summer	28.754	26.941	27.083	0.142	4.7	0.160	0.000	4.7	69.058	OK
FEH: 30 years: +40 %: 960 mins: Winter	28.754	26.941	27.084	0.143	3.0	0.161	0.000	3.0	69.048	OK
FEH: 30 years: +40 %: 1440 mins: Summer	28.754	26.941	27.113	0.172	3.5	0.194	0.000	3.5	76.739	OK
FEH: 30 years: +40 %: 1440 mins: Winter	28.754	26.941	27.116	0.175	2.3	0.198	0.000	2.3	76.762	OK
FEH: 30 years: +40 %: 2160 mins: Summer	28.754	26.941	27.123	0.182	2.6	0.206	0.000	2.6	85.527	OK
FEH: 30 years: +40 %: 2160 mins: Winter	28.754	26.941	27.129	0.188	1.7	0.212	0.000	1.7	85.511	OK
FEH: 30 years: +40 %: 2880 mins: Summer	28.754	26.941	27.122	0.181	2.1	0.205	0.000	2.1	92.703	OK
FEH: 30 years: +40 %: 2880 mins: Winter	28.754	26.941	27.123	0.182	1.4	0.205	0.000	1.4	92.666	OK

FEH: 30 years: +40 %: 4320 mins: Summer	28.754	26.941	27.119	0.178	1.6	0.201	0.000	1.6	104.707	OK
FEH: 30 years: +40 %: 4320 mins: Winter	28.754	26.941	27.108	0.167	1.0	0.188	0.000	1.0	104.790	OK
FEH: 30 years: +40 %: 5760 mins: Summer	28.754	26.941	27.112	0.171	1.3	0.194	0.000	1.3	114.813	OK
FEH: 30 years: +40 %: 5760 mins: Winter	28.754	26.941	27.087	0.146	0.8	0.165	0.000	0.8	114.919	OK
FEH: 30 years: +40 %: 7200 mins: Summer	28.754	26.941	27.106	0.165	1.1	0.187	0.000	1.1	124.217	OK
FEH: 30 years: +40 %: 7200 mins: Winter	28.754	26.941	27.066	0.125	0.7	0.141	0.000	0.7	124.215	OK
FEH: 30 years: +40 %: 8640 mins: Summer	28.754	26.941	27.101	0.160	1.0	0.181	0.000	1.0	132.709	OK
FEH: 30 years: +40 %: 8640 mins: Winter	28.754	26.941	27.045	0.104	0.6	0.117	0.000	0.7	132.928	OK
FEH: 30 years: +40 %: 10080 mins: Summer	28.754	26.941	27.099	0.158	0.9	0.178	0.000	0.9	141.638	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	28.754	26.941	27.022	0.081	0.6	0.092	0.000	0.6	140.818	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S10-5: Rank By: Max. Depth

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
FEH: 30 years: +40 %: 15 mins: Summer	28.560	26.606	26.868	0.262	45.2	0.297	0.000	38.1	21.931	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.560	26.606	26.855	0.249	42.8	0.282	0.000	36.8	21.940	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.560	26.606	26.820	0.214	33.1	0.242	0.000	33.1	28.331	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.560	26.606	26.809	0.203	31.1	0.230	0.000	31.1	28.330	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.560	26.606	26.797	0.191	28.7	0.216	0.000	28.7	34.683	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.560	26.606	26.768	0.162	23.1	0.183	0.000	23.1	34.691	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.560	26.606	26.840	0.234	20.0	0.265	0.000	20.0	40.024	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.560	26.606	26.840	0.234	14.4	0.265	0.000	14.4	39.919	OK

FEH: 30 years: +40 %: 180 mins: Summer	28.560	26.606	26.887	0.282	15.5	0.319	0.000	15.5	43.487	OK
FEH: 30 years: +40 %: 180 mins: Winter	28.560	26.606	26.887	0.282	10.7	0.319	0.000	10.7	43.444	OK
FEH: 30 years: +40 %: 240 mins: Summer	28.560	26.606	26.923	0.317	12.9	0.359	0.000	12.9	46.249	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	28.560	26.606	26.923	0.317	8.7	0.358	0.000	8.7	46.199	Surcharged
FEH: 30 years: +40 %: 360 mins: Summer	28.560	26.606	26.973	0.367	9.7	0.415	0.000	9.7	50.782	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	28.560	26.606	26.973	0.367	6.4	0.415	0.000	6.3	50.718	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	28.560	26.606	27.008	0.402	7.9	0.455	0.000	7.7	54.419	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	28.560	26.606	27.008	0.402	5.2	0.455	0.000	5.0	54.443	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	28.560	26.606	27.034	0.428	6.7	0.484	0.000	6.2	57.667	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	28.560	26.606	27.034	0.428	4.3	0.484	0.000	4.2	57.609	Surcharged

FEH: 30 years: +40 %: 720 mins: Summer	28.560	26.606	27.054	0.448	5.9	0.507	0.000	5.4	60.482	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	28.560	26.606	27.054	0.449	3.8	0.507	0.000	3.6	60.508	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	28.560	26.606	27.082	0.477	4.7	0.539	0.000	4.3	65.542	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	28.560	26.606	27.083	0.478	3.1	0.540	0.000	2.9	65.552	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	28.560	26.606	27.112	0.507	3.5	0.573	0.000	3.1	74.072	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	28.560	26.606	27.115	0.510	2.3	0.576	0.000	2.1	74.139	Surcharged
FEH: 30 years: +40 %: 2160 mins: Summer	28.560	26.606	27.122	0.517	2.6	0.584	0.000	2.3	85.137	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	28.560	26.606	27.128	0.523	1.7	0.591	0.000	1.5	85.162	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	28.560	26.606	27.122	0.516	2.1	0.584	0.000	1.9	93.255	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	28.560	26.606	27.122	0.517	1.4	0.584	0.000	1.3	93.339	Surcharged

FEH: 30 years: +40 %: 4320 mins: Summer	28.560	26.606	27.118	0.513	1.6	0.580	0.000	1.4	105.225	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	28.560	26.606	27.107	0.502	1.0	0.567	0.000	0.9	105.153	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	28.560	26.606	27.112	0.506	1.3	0.573	0.000	1.2	115.431	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	28.560	26.606	27.086	0.481	0.9	0.544	0.000	0.8	115.448	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	28.560	26.606	27.105	0.500	1.1	0.565	0.000	1.0	125.108	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	28.560	26.606	27.065	0.460	0.7	0.520	0.000	0.7	124.843	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	28.560	26.606	27.101	0.495	1.0	0.560	0.000	0.9	134.156	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	28.560	26.606	27.044	0.439	0.7	0.496	0.000	0.6	133.687	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	28.560	26.606	27.098	0.493	0.9	0.557	0.000	0.8	142.261	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	28.560	26.606	27.022	0.416	0.6	0.471	0.000	0.6	142.122	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S09-5: Rank By: Max. Depth

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
FEH: 30 years: +40 %: 15 mins: Summer	28.846	26.558	26.846	0.288	87.3	0.326	0.000	83.9	43.758	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.846	26.558	26.834	0.276	83.0	0.313	0.000	79.7	43.766	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.846	26.558	26.799	0.241	66.0	0.273	0.000	66.0	56.413	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.846	26.558	26.789	0.231	62.0	0.262	0.000	62.0	56.404	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.846	26.558	26.778	0.220	57.3	0.249	0.000	57.3	69.331	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.846	26.558	26.764	0.206	46.1	0.233	0.000	46.1	69.339	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.846	26.558	26.840	0.282	39.9	0.319	0.000	39.9	80.464	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.846	26.558	26.840	0.282	28.7	0.319	0.000	28.7	80.418	OK

FEH: 30 years: +40 %: 180 mins: Summer	28.846	26.558	26.888	0.330	31.0	0.373	0.000	31.0	87.964	Surcharged
FEH: 30 years: +40 %: 180 mins: Winter	28.846	26.558	26.888	0.330	21.3	0.373	0.000	21.3	87.953	Surcharged
FEH: 30 years: +40 %: 240 mins: Summer	28.846	26.558	26.923	0.365	25.6	0.413	0.000	25.6	93.891	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	28.846	26.558	26.923	0.365	17.3	0.413	0.000	17.3	93.887	Surcharged
FEH: 30 years: +40 %: 360 mins: Summer	28.846	26.558	26.973	0.415	19.3	0.470	0.000	19.0	103.296	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	28.846	26.558	26.973	0.415	12.6	0.469	0.000	12.6	103.234	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	28.846	26.558	27.008	0.450	15.5	0.509	0.000	15.4	110.815	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	28.846	26.558	27.008	0.450	10.1	0.509	0.000	9.9	110.853	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	28.846	26.558	27.034	0.476	12.9	0.539	0.000	12.7	117.320	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	28.846	26.558	27.034	0.476	8.4	0.539	0.000	8.3	117.285	Surcharged

FEH: 30 years: +40 %: 720 mins: Summer	28.846	26.558	27.054	0.496	11.2	0.561	0.000	10.9	122.955	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	28.846	26.558	27.055	0.497	7.3	0.562	0.000	7.2	122.988	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	28.846	26.558	27.083	0.525	9.0	0.593	0.000	8.6	132.902	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	28.846	26.558	27.084	0.526	5.7	0.595	0.000	5.7	132.892	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	28.846	26.558	27.112	0.555	6.6	0.627	0.000	6.3	149.276	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	28.846	26.558	27.116	0.558	4.2	0.631	0.000	4.1	149.362	Surcharged
FEH: 30 years: +40 %: 2160 mins: Summer	28.846	26.558	27.123	0.565	4.9	0.639	0.000	4.7	169.854	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	28.846	26.558	27.128	0.571	3.2	0.645	0.000	3.0	169.871	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	28.846	26.558	27.122	0.564	4.0	0.638	0.000	3.8	185.931	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	28.846	26.558	27.122	0.565	2.6	0.638	0.000	2.5	185.980	Surcharged

FEH: 30 years: +40 %: 4320 mins: Summer	28.846	26.558	27.119	0.561	3.0	0.634	0.000	2.9	209.932	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	28.846	26.558	27.107	0.550	1.9	0.622	0.000	1.9	209.938	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	28.846	26.558	27.112	0.554	2.5	0.627	0.000	2.4	230.242	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	28.846	26.558	27.087	0.529	1.6	0.598	0.000	1.6	230.362	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	28.846	26.558	27.106	0.548	2.1	0.620	0.000	2.1	249.322	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	28.846	26.558	27.066	0.508	1.4	0.574	0.000	1.4	249.052	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	28.846	26.558	27.101	0.543	1.9	0.615	0.000	1.9	266.860	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	28.846	26.558	27.045	0.487	1.3	0.550	0.000	1.2	266.608	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	28.846	26.558	27.098	0.541	1.8	0.611	0.000	1.7	283.893	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	28.846	26.558	27.022	0.464	1.2	0.525	0.000	1.1	282.933	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S07-5: Rank By: Max. Depth

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
FEH: 30 years: +40 %: 15 mins: Summer	28.888	27.792	27.990	0.198	54.9	0.056	0.000	49.8	23.919	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.888	27.792	27.981	0.190	51.5	0.054	0.000	47.1	23.918	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.888	27.792	27.948	0.156	36.0	0.044	0.000	36.0	31.219	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.888	27.792	27.942	0.150	33.8	0.042	0.000	33.8	31.225	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.888	27.792	27.935	0.143	31.3	0.040	0.000	31.3	39.075	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.888	27.792	27.917	0.125	25.1	0.035	0.000	25.1	39.081	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.888	27.792	27.907	0.115	21.8	0.033	0.000	21.8	45.898	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.888	27.792	27.888	0.096	15.7	0.027	0.000	15.7	45.893	OK

FEH: 30 years: +40 %: 180 mins: Summer	28.888	27.792	27.892	0.100	16.9	0.028	0.000	16.9	50.471	OK
FEH: 30 years: +40 %: 180 mins: Winter	28.888	27.792	27.874	0.082	11.6	0.023	0.000	11.6	50.489	OK
FEH: 30 years: +40 %: 240 mins: Summer	28.888	27.792	27.882	0.090	14.0	0.026	0.000	14.0	54.023	OK
FEH: 30 years: +40 %: 240 mins: Winter	28.888	27.792	27.865	0.074	9.4	0.021	0.000	9.4	54.029	OK
FEH: 30 years: +40 %: 360 mins: Summer	28.888	27.792	27.870	0.078	10.5	0.022	0.000	10.5	59.465	OK
FEH: 30 years: +40 %: 360 mins: Winter	28.888	27.792	27.855	0.063	6.9	0.018	0.000	6.9	59.430	OK
FEH: 30 years: +40 %: 480 mins: Summer	28.888	27.792	27.862	0.071	8.6	0.020	0.000	8.6	63.701	OK
FEH: 30 years: +40 %: 480 mins: Winter	28.888	27.792	27.849	0.057	5.6	0.016	0.000	5.6	63.714	OK
FEH: 30 years: +40 %: 600 mins: Summer	28.888	27.792	27.857	0.065	7.3	0.018	0.000	7.3	67.257	OK
FEH: 30 years: +40 %: 600 mins: Winter	28.888	27.792	27.844	0.052	4.7	0.015	0.000	4.7	67.272	OK

FEH: 30 years: +40 %: 720 mins: Summer	28.888	27.792	27.852	0.061	6.4	0.017	0.000	6.4	70.374	OK
FEH: 30 years: +40 %: 720 mins: Winter	28.888	27.792	27.841	0.049	4.1	0.014	0.000	4.1	70.404	OK
FEH: 30 years: +40 %: 960 mins: Summer	28.888	27.792	27.846	0.055	5.2	0.015	0.000	5.1	75.684	OK
FEH: 30 years: +40 %: 960 mins: Winter	28.888	27.792	27.836	0.044	3.3	0.012	0.000	3.3	75.702	OK
FEH: 30 years: +40 %: 1440 mins: Summer	28.888	27.792	27.839	0.047	3.8	0.013	0.000	3.8	84.066	OK
FEH: 30 years: +40 %: 1440 mins: Winter	28.888	27.792	27.830	0.038	2.5	0.011	0.000	2.5	84.126	OK
FEH: 30 years: +40 %: 2160 mins: Summer	28.888	27.792	27.833	0.041	2.8	0.012	0.000	2.8	93.744	OK
FEH: 30 years: +40 %: 2160 mins: Winter	28.888	27.792	27.825	0.033	1.8	0.009	0.000	1.8	93.852	OK
FEH: 30 years: +40 %: 2880 mins: Summer	28.888	27.792	27.829	0.037	2.3	0.010	0.000	2.3	101.580	OK
FEH: 30 years: +40 %: 2880 mins: Winter	28.888	27.792	27.822	0.030	1.5	0.009	0.000	1.5	101.562	OK

FEH: 30 years: +40 %: 4320 mins: Summer	28.888	27.792	27.824	0.032	1.7	0.009	0.000	1.7	114.396	OK
FEH: 30 years: +40 %: 4320 mins: Winter	28.888	27.792	27.818	0.026	1.1	0.007	0.000	1.1	114.630	OK
FEH: 30 years: +40 %: 5760 mins: Summer	28.888	27.792	27.821	0.029	1.4	0.008	0.000	1.4	125.580	OK
FEH: 30 years: +40 %: 5760 mins: Winter	28.888	27.792	27.816	0.024	0.9	0.007	0.000	0.9	125.328	OK
FEH: 30 years: +40 %: 7200 mins: Summer	28.888	27.792	27.819	0.027	1.2	0.008	0.000	1.2	135.828	OK
FEH: 30 years: +40 %: 7200 mins: Winter	28.888	27.792	27.814	0.022	0.8	0.006	0.000	0.8	135.708	OK
FEH: 30 years: +40 %: 8640 mins: Summer	28.888	27.792	27.818	0.026	1.1	0.007	0.000	1.1	145.974	OK
FEH: 30 years: +40 %: 8640 mins: Winter	28.888	27.792	27.813	0.021	0.7	0.006	0.000	0.7	145.398	OK
FEH: 30 years: +40 %: 10080 mins: Summer	28.888	27.792	27.817	0.025	1.0	0.007	0.000	1.0	155.316	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	28.888	27.792	27.812	0.020	0.6	0.006	0.000	0.6	154.812	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S01- 5: Rank By: Max. Depth

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
FEH: 100 years: +45 %: 15 mins: Summer	28.623	26.989	28.042	1.053	81.5	1.191	0.000	57.3	41.176	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.623	26.989	28.005	1.016	72.5	1.150	0.000	52.9	37.001	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.623	26.989	27.886	0.897	64.5	1.015	0.000	65.6	30.298	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	28.623	26.989	27.879	0.890	58.8	1.007	0.000	59.6	23.215	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	28.623	26.989	27.857	0.868	18.0	0.981	0.000	17.9	16.571	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	28.623	26.989	27.672	0.683	11.4	0.772	0.000	10.2	9.689	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	28.623	26.989	27.479	0.490	4.8	0.554	0.000	9.6	10.410	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	28.623	26.989	27.188	0.199	2.9	0.225	0.000	4.6	8.502	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 180 mins: Summer	28.623	26.989	27.233	0.244	4.9	0.276	0.000	6.2	9.460	OK
FEH: 100 years: +45 %: 180 mins: Winter	28.623	26.989	27.061	0.072	2.1	0.082	0.000	2.4	8.951	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.623	26.989	27.119	0.130	2.5	0.147	0.000	4.3	9.296	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.623	26.989	27.105	0.116	1.7	0.132	0.000	1.7	9.231	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.623	26.989	27.170	0.181	1.9	0.205	0.000	1.9	9.907	OK
FEH: 100 years: +45 %: 360 mins: Winter	28.623	26.989	27.171	0.182	1.2	0.206	0.000	1.2	9.723	OK
FEH: 100 years: +45 %: 480 mins: Summer	28.623	26.989	27.219	0.230	1.6	0.260	0.000	1.6	10.383	OK
FEH: 100 years: +45 %: 480 mins: Winter	28.623	26.989	27.219	0.230	1.0	0.261	0.000	1.0	10.230	OK
FEH: 100 years: +45 %: 600 mins: Summer	28.623	26.989	27.256	0.267	1.3	0.302	0.000	1.3	10.755	OK
FEH: 100 years: +45 %: 600 mins: Winter	28.623	26.989	27.257	0.268	0.8	0.303	0.000	0.8	10.745	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 720 mins: Summer	28.623	26.989	27.286	0.297	1.1	0.335	0.000	1.1	11.415	OK
FEH: 100 years: +45 %: 720 mins: Winter	28.623	26.989	27.287	0.298	0.7	0.337	0.000	0.7	11.256	OK
FEH: 100 years: +45 %: 960 mins: Summer	28.623	26.989	27.330	0.341	0.9	0.386	0.000	0.9	12.411	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.623	26.989	27.333	0.344	0.6	0.389	0.000	0.6	12.338	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.623	26.989	27.382	0.393	0.7	0.444	0.000	0.7	14.379	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.623	26.989	27.388	0.399	0.5	0.451	0.000	0.5	14.309	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.623	26.989	27.407	0.418	0.5	0.473	0.000	0.5	16.939	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.623	26.989	27.418	0.429	0.3	0.486	0.000	0.3	16.977	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.623	26.989	27.410	0.421	0.4	0.476	0.000	0.4	18.300	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.623	26.989	27.422	0.433	0.3	0.490	0.000	0.3	18.423	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.623	26.989	27.404	0.415	0.3	0.469	0.000	0.3	20.654	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.623	26.989	27.404	0.415	0.2	0.469	0.000	0.2	20.641	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.623	26.989	27.393	0.404	0.3	0.456	0.000	0.3	22.067	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.623	26.989	27.383	0.394	0.2	0.446	0.000	0.2	22.290	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.623	26.989	27.382	0.393	0.2	0.445	0.000	0.2	23.852	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.623	26.989	27.359	0.370	0.1	0.418	0.000	0.1	23.519	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.623	26.989	27.373	0.384	0.2	0.434	0.000	0.2	25.536	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.623	26.989	27.333	0.344	0.1	0.389	0.000	0.1	25.103	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.623	26.989	27.366	0.377	0.2	0.426	0.000	0.2	26.994	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	28.623	26.989	27.309	0.320	0.1	0.362	0.000	0.1	26.980	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S03 - 5: Rank By: Max. Depth

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
FEH: 100 years: +45 %: 15 mins: Summer	28.792	26.748	28.062	1.314	218.0	1.487	0.000	214.0	136.431	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.792	26.748	27.986	1.238	209.2	1.400	0.000	205.7	136.426	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.792	26.748	27.725	0.977	179.4	1.105	0.000	177.6	179.643	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	28.792	26.748	27.686	0.938	175.8	1.060	0.000	172.5	179.684	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	28.792	26.748	27.648	0.900	166.6	1.018	0.000	165.9	225.575	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	28.792	26.748	27.490	0.742	145.2	0.839	0.000	145.2	225.362	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	28.792	26.748	27.344	0.596	123.9	0.675	0.000	123.9	259.200	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	28.792	26.748	27.120	0.372	89.1	0.420	0.000	89.1	258.950	Surcharged

FEH: 100 years: +45 %: 180 mins: Summer	28.792	26.748	27.155	0.407	95.4	0.461	0.000	95.3	282.272	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	28.792	26.748	27.062	0.314	65.9	0.355	0.000	65.9	282.177	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	28.792	26.748	27.105	0.357	78.2	0.404	0.000	78.1	300.638	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	28.792	26.748	27.106	0.358	53.0	0.404	0.000	53.0	300.433	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	28.792	26.748	27.170	0.422	59.2	0.478	0.000	59.2	329.931	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	28.792	26.748	27.171	0.423	39.0	0.479	0.000	39.0	329.527	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	28.792	26.748	27.218	0.470	48.6	0.532	0.000	48.6	353.294	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	28.792	26.748	27.220	0.472	31.4	0.533	0.000	31.4	352.983	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	28.792	26.748	27.256	0.508	41.2	0.574	0.000	41.2	372.944	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.792	26.748	27.257	0.509	26.6	0.576	0.000	26.6	372.944	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.792	26.748	27.286	0.538	35.9	0.608	0.000	35.9	390.765	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.792	26.748	27.287	0.539	23.2	0.610	0.000	23.2	390.476	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.792	26.748	27.330	0.582	29.0	0.658	0.000	28.9	421.006	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.792	26.748	27.333	0.585	18.7	0.662	0.000	18.7	420.840	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.792	26.748	27.381	0.633	21.5	0.716	0.000	21.4	469.288	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.792	26.748	27.388	0.640	13.9	0.723	0.000	13.7	469.282	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.792	26.748	27.407	0.659	16.0	0.746	0.000	15.7	524.989	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.792	26.748	27.418	0.670	10.2	0.758	0.000	10.1	524.963	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.792	26.748	27.410	0.662	12.9	0.748	0.000	12.7	569.254	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.792	26.748	27.422	0.674	8.3	0.762	0.000	8.2	569.445	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.792	26.748	27.404	0.656	9.6	0.742	0.000	9.5	637.709	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.792	26.748	27.404	0.656	6.2	0.741	0.000	6.1	637.367	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.792	26.748	27.393	0.645	7.9	0.729	0.000	7.8	693.099	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.792	26.748	27.383	0.635	5.0	0.718	0.000	5.0	693.653	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.792	26.748	27.382	0.634	6.8	0.717	0.000	6.7	743.328	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.792	26.748	27.359	0.611	4.4	0.691	0.000	4.3	743.446	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.792	26.748	27.373	0.625	6.0	0.707	0.000	5.9	790.476	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.792	26.748	27.333	0.585	3.9	0.662	0.000	3.8	789.256	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.792	26.748	27.366	0.618	5.4	0.699	0.000	5.4	834.401	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	28.792	26.748	27.309	0.561	3.5	0.634	0.000	3.5	834.873	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S02 - 5: Rank By: Max. Depth

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
FEH: 100 years: +45 %: 15 mins: Summer	28.622	26.824	28.298	1.474	198.4	1.667	0.000	112.4	110.432	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.622	26.824	28.213	1.389	186.4	1.571	0.000	110.0	108.331	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.622	26.824	27.947	1.123	131.0	1.270	0.000	109.8	133.028	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	28.622	26.824	27.919	1.095	123.0	1.239	0.000	110.4	129.441	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	28.622	26.824	27.860	1.036	114.0	1.171	0.000	106.0	155.735	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	28.622	26.824	27.671	0.847	96.4	0.958	0.000	96.4	151.950	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	28.622	26.824	27.478	0.654	82.3	0.740	0.000	82.2	174.252	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	28.622	26.824	27.187	0.363	59.1	0.411	0.000	59.1	172.332	Surcharged

FEH: 100 years: +45 %: 180 mins: Summer	28.622	26.824	27.232	0.408	63.3	0.462	0.000	63.2	188.158	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	28.622	26.824	27.061	0.237	43.7	0.269	0.000	43.7	187.602	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.622	26.824	27.119	0.295	51.9	0.333	0.000	51.7	199.726	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.622	26.824	27.105	0.281	35.2	0.318	0.000	35.2	199.569	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.622	26.824	27.170	0.346	39.3	0.392	0.000	39.3	219.029	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	28.622	26.824	27.171	0.347	25.9	0.393	0.000	25.9	218.627	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	28.622	26.824	27.218	0.394	32.2	0.446	0.000	32.2	234.402	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	28.622	26.824	27.219	0.395	20.9	0.447	0.000	20.9	234.095	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	28.622	26.824	27.256	0.432	27.3	0.488	0.000	27.3	247.315	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.622	26.824	27.257	0.433	17.6	0.490	0.000	17.6	247.307	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.622	26.824	27.286	0.462	23.8	0.522	0.000	23.8	259.150	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.622	26.824	27.287	0.463	15.4	0.524	0.000	15.4	258.912	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.622	26.824	27.330	0.506	19.2	0.572	0.000	19.2	279.208	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.622	26.824	27.333	0.509	12.4	0.576	0.000	12.4	279.100	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.622	26.824	27.381	0.557	14.3	0.631	0.000	14.3	311.463	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.622	26.824	27.388	0.564	9.2	0.637	0.000	9.2	311.429	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.622	26.824	27.407	0.583	10.6	0.660	0.000	10.6	348.807	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.622	26.824	27.418	0.594	6.8	0.672	0.000	6.8	348.787	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.622	26.824	27.410	0.586	8.6	0.663	0.000	8.6	378.138	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.622	26.824	27.422	0.598	5.5	0.676	0.000	5.5	378.281	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.622	26.824	27.404	0.580	6.4	0.656	0.000	6.4	423.151	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.622	26.824	27.404	0.580	4.1	0.655	0.000	4.1	423.065	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.622	26.824	27.393	0.569	5.2	0.643	0.000	5.2	459.939	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.622	26.824	27.383	0.559	3.4	0.632	0.000	3.3	460.210	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.622	26.824	27.382	0.558	4.5	0.631	0.000	4.5	493.535	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.622	26.824	27.359	0.535	2.9	0.605	0.000	2.9	493.245	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.622	26.824	27.373	0.549	4.0	0.621	0.000	4.0	524.854	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.622	26.824	27.333	0.509	2.6	0.576	0.000	2.6	523.916	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.622	26.824	27.366	0.542	3.6	0.613	0.000	3.6	554.146	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	28.622	26.824	27.309	0.485	2.3	0.549	0.000	2.3	554.132	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S04- 5: Rank By: Max. Depth

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
FEH: 100 years: +45 %: 15 mins: Summer	28.502	26.251	26.667	0.416	3.0	0.471	0.000	2.3	2.991	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.502	26.251	26.667	0.416	3.0	0.471	0.000	2.3	3.015	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.502	26.251	26.788	0.538	2.9	0.608	0.000	2.3	6.366	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	28.502	26.251	26.788	0.538	2.9	0.608	0.000	2.3	6.401	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	28.502	26.251	26.912	0.662	2.9	0.748	0.000	2.3	12.157	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	28.502	26.251	26.912	0.662	2.8	0.748	0.000	2.3	12.226	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	28.502	26.251	27.003	0.753	2.7	0.851	0.000	2.3	24.829	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	28.502	26.251	27.003	0.752	2.6	0.851	0.000	2.3	24.966	Surcharged

FEH: 100 years: +45 %: 180 mins: Summer	28.502	26.251	27.062	0.811	2.6	0.917	0.000	2.3	38.467	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	28.502	26.251	27.062	0.811	2.5	0.917	0.000	2.3	38.633	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	28.502	26.251	27.105	0.855	2.5	0.967	0.000	2.3	52.518	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	28.502	26.251	27.105	0.855	2.4	0.967	0.000	2.3	52.677	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	28.502	26.251	27.171	0.920	2.4	1.040	0.000	2.3	81.246	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	28.502	26.251	27.171	0.920	2.4	1.041	0.000	2.3	81.350	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	28.502	26.251	27.218	0.968	2.4	1.094	0.000	2.3	110.627	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	28.502	26.251	27.219	0.968	2.4	1.095	0.000	2.3	110.644	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	28.502	26.251	27.255	1.005	2.4	1.136	0.000	2.3	140.380	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.502	26.251	27.257	1.006	2.3	1.138	0.000	2.3	140.306	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.502	26.251	27.285	1.035	2.4	1.170	0.000	2.3	170.292	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.502	26.251	27.287	1.036	2.3	1.172	0.000	2.3	170.098	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.502	26.251	27.329	1.079	2.3	1.220	0.000	2.3	230.301	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.502	26.251	27.333	1.082	2.3	1.224	0.000	2.3	229.927	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.502	26.251	27.381	1.130	2.3	1.278	0.000	2.3	349.360	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.502	26.251	27.387	1.136	2.3	1.285	0.000	2.3	348.713	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.502	26.251	27.407	1.156	2.4	1.308	0.000	2.4	521.351	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.502	26.251	27.418	1.167	2.4	1.320	0.000	2.4	520.344	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.502	26.251	27.409	1.159	2.4	1.310	0.000	2.4	685.722	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.502	26.251	27.422	1.171	2.4	1.324	0.000	2.4	684.701	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.502	26.251	27.403	1.152	2.4	1.303	0.000	2.4	1034.233	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.502	26.251	27.403	1.152	2.4	1.303	0.000	2.4	1033.900	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.502	26.251	27.392	1.141	2.3	1.291	0.000	2.3	1288.427	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.502	26.251	27.382	1.132	2.3	1.280	0.000	2.3	1289.921	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.502	26.251	27.382	1.131	2.3	1.279	0.000	2.3	1396.730	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.502	26.251	27.358	1.108	2.3	1.253	0.000	2.3	1397.373	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.502	26.251	27.373	1.122	2.3	1.269	0.000	2.3	1485.632	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.502	26.251	27.332	1.082	2.3	1.223	0.000	2.3	1484.385	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.502	26.251	27.365	1.115	2.3	1.261	0.000	2.3	1570.272	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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FEH: 100 years: +45 %: 10080 mins: Winter	28.502	26.251	27.309	1.058	2.3	1.196	0.000	2.3	1570.461	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S12-5: Rank By: Max. Depth

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
FEH: 100 years: +45 %: 15 mins: Summer	28.755	27.012	27.319	0.307	65.4	0.347	0.000	60.8	28.229	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.755	27.012	27.252	0.240	61.4	0.272	0.000	57.5	28.254	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.755	27.012	27.173	0.161	43.2	0.182	0.000	43.2	37.416	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.755	27.012	27.165	0.153	40.5	0.173	0.000	40.5	37.416	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.755	27.012	27.157	0.145	37.6	0.164	0.000	37.6	46.938	OK
FEH: 100 years: +45 %: 60 mins: Winter	28.755	27.012	27.137	0.125	30.2	0.142	0.000	30.2	46.922	OK
FEH: 100 years: +45 %: 120 mins: Summer	28.755	27.012	27.125	0.113	25.8	0.128	0.000	25.8	54.355	OK
FEH: 100 years: +45 %: 120 mins: Winter	28.755	27.012	27.105	0.093	18.6	0.105	0.000	18.6	54.361	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 180 mins: Summer	28.755	27.012	27.109	0.097	19.9	0.110	0.000	19.9	59.376	OK
FEH: 100 years: +45 %: 180 mins: Winter	28.755	27.012	27.090	0.078	13.7	0.089	0.000	13.7	59.359	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.755	27.012	27.106	0.094	16.4	0.106	0.000	16.4	63.219	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.755	27.012	27.106	0.094	11.0	0.106	0.000	11.0	63.215	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.755	27.012	27.170	0.158	12.3	0.179	0.000	12.3	69.382	OK
FEH: 100 years: +45 %: 360 mins: Winter	28.755	27.012	27.171	0.159	8.1	0.180	0.000	8.1	69.340	OK
FEH: 100 years: +45 %: 480 mins: Summer	28.755	27.012	27.218	0.206	10.1	0.233	0.000	10.1	74.285	OK
FEH: 100 years: +45 %: 480 mins: Winter	28.755	27.012	27.219	0.207	6.6	0.235	0.000	6.6	74.273	OK
FEH: 100 years: +45 %: 600 mins: Summer	28.755	27.012	27.256	0.244	8.6	0.276	0.000	8.6	78.456	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.755	27.012	27.257	0.245	5.5	0.277	0.000	5.5	78.454	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.755	27.012	27.286	0.274	7.5	0.309	0.000	7.5	82.120	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.755	27.012	27.287	0.275	4.8	0.311	0.000	4.8	82.101	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.755	27.012	27.330	0.318	6.0	0.359	0.000	6.0	88.383	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.755	27.012	27.333	0.321	3.9	0.363	0.000	3.9	88.432	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.755	27.012	27.381	0.369	4.5	0.418	0.000	4.5	98.486	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.755	27.012	27.388	0.376	2.9	0.425	0.000	2.9	98.520	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.755	27.012	27.407	0.395	3.3	0.447	0.000	3.3	109.777	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.755	27.012	27.418	0.406	2.1	0.460	0.000	2.1	109.772	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.755	27.012	27.410	0.398	2.7	0.450	0.000	2.7	118.662	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.755	27.012	27.422	0.410	1.7	0.464	0.000	1.7	118.787	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.755	27.012	27.404	0.392	2.0	0.443	0.000	2.0	132.723	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.755	27.012	27.403	0.391	1.3	0.443	0.000	1.3	132.806	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.755	27.012	27.393	0.381	1.6	0.430	0.000	1.6	144.209	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.755	27.012	27.383	0.371	1.1	0.419	0.000	1.1	144.333	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.755	27.012	27.382	0.370	1.4	0.419	0.000	1.4	154.741	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.755	27.012	27.359	0.347	0.9	0.392	0.000	0.9	154.744	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.755	27.012	27.373	0.361	1.2	0.408	0.000	1.2	164.234	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.755	27.012	27.333	0.321	0.8	0.363	0.000	0.8	164.422	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.755	27.012	27.366	0.354	1.1	0.400	0.000	1.1	173.816	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	28.755	27.012	27.309	0.297	0.7	0.336	0.000	0.7	173.813	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S06 - 5 : Rank By: Max. Depth

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
FEH: 100 years: +45 %: 15 mins: Summer	28.888	27.629	27.996	0.367	126.9	0.104	0.000	123.5	63.783	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.888	27.629	27.949	0.320	129.1	0.091	0.000	121.4	63.775	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.888	27.629	27.860	0.230	97.0	0.065	0.000	97.0	84.033	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.888	27.629	27.848	0.219	91.0	0.062	0.000	91.0	84.027	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.888	27.629	27.836	0.207	84.4	0.059	0.000	84.4	105.496	OK
FEH: 100 years: +45 %: 60 mins: Winter	28.888	27.629	27.807	0.178	67.9	0.050	0.000	67.9	105.472	OK
FEH: 100 years: +45 %: 120 mins: Summer	28.888	27.629	27.790	0.161	58.0	0.045	0.000	58.0	122.147	OK
FEH: 100 years: +45 %: 120 mins: Winter	28.888	27.629	27.760	0.131	41.7	0.037	0.000	41.7	122.138	OK

FEH: 100 years: +45 %: 180 mins: Summer	28.888	27.629	27.766	0.137	44.7	0.039	0.000	44.7	133.433	OK
FEH: 100 years: +45 %: 180 mins: Winter	28.888	27.629	27.739	0.110	30.8	0.031	0.000	30.8	133.487	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.888	27.629	27.751	0.122	36.9	0.035	0.000	36.9	142.319	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.888	27.629	27.727	0.097	24.8	0.028	0.000	24.8	142.343	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.888	27.629	27.733	0.104	27.7	0.029	0.000	27.7	156.311	OK
FEH: 100 years: +45 %: 360 mins: Winter	28.888	27.629	27.711	0.082	18.2	0.023	0.000	18.2	156.338	OK
FEH: 100 years: +45 %: 480 mins: Summer	28.888	27.629	27.722	0.093	22.7	0.026	0.000	22.7	167.525	OK
FEH: 100 years: +45 %: 480 mins: Winter	28.888	27.629	27.702	0.073	14.7	0.021	0.000	14.7	167.489	OK
FEH: 100 years: +45 %: 600 mins: Summer	28.888	27.629	27.714	0.085	19.3	0.024	0.000	19.3	176.963	OK
FEH: 100 years: +45 %: 600 mins: Winter	28.888	27.629	27.696	0.067	12.4	0.019	0.000	12.4	176.903	OK

FEH: 100 years: +45 %: 720 mins: Summer	28.888	27.629	27.708	0.079	16.8	0.022	0.000	16.8	185.207	OK
FEH: 100 years: +45 %: 720 mins: Winter	28.888	27.629	27.692	0.062	10.8	0.018	0.000	10.8	185.165	OK
FEH: 100 years: +45 %: 960 mins: Summer	28.888	27.629	27.699	0.070	13.6	0.020	0.000	13.6	199.265	OK
FEH: 100 years: +45 %: 960 mins: Winter	28.888	27.629	27.685	0.056	8.8	0.016	0.000	8.8	199.289	OK
FEH: 100 years: +45 %: 1440 mins: Summer	28.888	27.629	27.689	0.060	10.1	0.017	0.000	10.1	221.579	OK
FEH: 100 years: +45 %: 1440 mins: Winter	28.888	27.629	27.677	0.048	6.5	0.014	0.000	6.5	221.777	OK
FEH: 100 years: +45 %: 2160 mins: Summer	28.888	27.629	27.681	0.051	7.5	0.015	0.000	7.5	246.563	OK
FEH: 100 years: +45 %: 2160 mins: Winter	28.888	27.629	27.670	0.041	4.8	0.012	0.000	4.8	246.539	OK
FEH: 100 years: +45 %: 2880 mins: Summer	28.888	27.629	27.675	0.046	6.0	0.013	0.000	6.0	266.507	OK
FEH: 100 years: +45 %: 2880 mins: Winter	28.888	27.629	27.666	0.037	3.9	0.011	0.000	3.9	266.723	OK

FEH: 100 years: +45 %: 4320 mins: Summer	28.888	27.629	27.669	0.040	4.5	0.011	0.000	4.5	298.343	OK
FEH: 100 years: +45 %: 4320 mins: Winter	28.888	27.629	27.661	0.032	2.9	0.009	0.000	2.9	298.463	OK
FEH: 100 years: +45 %: 5760 mins: Summer	28.888	27.629	27.665	0.036	3.7	0.010	0.000	3.7	323.657	OK
FEH: 100 years: +45 %: 5760 mins: Winter	28.888	27.629	27.658	0.029	2.4	0.008	0.000	2.4	324.293	OK
FEH: 100 years: +45 %: 7200 mins: Summer	28.888	27.629	27.662	0.033	3.1	0.009	0.000	3.1	347.093	OK
FEH: 100 years: +45 %: 7200 mins: Winter	28.888	27.629	27.656	0.027	2.0	0.008	0.000	2.0	347.597	OK
FEH: 100 years: +45 %: 8640 mins: Summer	28.888	27.629	27.661	0.032	2.8	0.009	0.000	2.8	368.801	OK
FEH: 100 years: +45 %: 8640 mins: Winter	28.888	27.629	27.655	0.026	1.8	0.007	0.000	1.8	368.468	OK
FEH: 100 years: +45 %: 10080 mins: Summer	28.888	27.629	27.659	0.030	2.5	0.009	0.000	2.5	390.461	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	28.888	27.629	27.653	0.024	1.6	0.007	0.000	1.6	389.945	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S14 - 5: Rank By: Max. Depth

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
FEH: 100 years: +45 %: 15 mins: Summer	27.850	27.250	27.866	0.616	89.4	15.732	15.610	55.8	21.231	Flood
FEH: 100 years: +45 %: 15 mins: Winter	27.850	27.250	27.864	0.614	80.2	13.769	13.647	51.6	19.168	Flood
FEH: 100 years: +45 %: 30 mins: Summer	27.850	27.250	27.861	0.611	34.3	10.970	10.848	64.5	16.549	Flood
FEH: 100 years: +45 %: 30 mins: Winter	27.850	27.250	27.858	0.608	25.3	7.978	7.856	58.8	13.119	Flood
FEH: 100 years: +45 %: 60 mins: Summer	27.850	27.250	27.854	0.604	14.6	4.411	4.289	18.0	10.603	Flood
FEH: 100 years: +45 %: 60 mins: Winter	27.850	27.250	27.673	0.423	4.7	0.086	0.000	6.9	7.436	Flood Risk
FEH: 100 years: +45 %: 120 mins: Summer	27.850	27.250	27.480	0.230	4.3	0.047	0.000	4.0	8.498	OK
FEH: 100 years: +45 %: 120 mins: Winter	27.850	27.250	27.282	0.032	2.9	0.006	0.000	2.9	8.380	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 180 mins: Summer	27.850	27.250	27.283	0.033	3.1	0.007	0.000	3.1	9.180	OK
FEH: 100 years: +45 %: 180 mins: Winter	27.850	27.250	27.279	0.029	2.1	0.006	0.000	2.1	9.184	OK
FEH: 100 years: +45 %: 240 mins: Summer	27.850	27.250	27.280	0.030	2.5	0.006	0.000	2.5	9.782	OK
FEH: 100 years: +45 %: 240 mins: Winter	27.850	27.250	27.276	0.026	1.7	0.005	0.000	1.7	9.787	OK
FEH: 100 years: +45 %: 360 mins: Summer	27.850	27.250	27.278	0.028	1.9	0.006	0.000	1.9	10.750	OK
FEH: 100 years: +45 %: 360 mins: Winter	27.850	27.250	27.273	0.023	1.3	0.005	0.000	1.2	10.751	OK
FEH: 100 years: +45 %: 480 mins: Summer	27.850	27.250	27.275	0.025	1.6	0.005	0.000	1.6	11.520	OK
FEH: 100 years: +45 %: 480 mins: Winter	27.850	27.250	27.271	0.021	1.0	0.004	0.000	1.0	11.508	OK
FEH: 100 years: +45 %: 600 mins: Summer	27.850	27.250	27.273	0.023	1.3	0.005	0.000	1.3	12.146	OK
FEH: 100 years: +45 %: 600 mins: Winter	27.850	27.250	27.269	0.019	0.9	0.004	0.000	0.8	12.156	OK

FEH: 100 years: +45 %: 720 mins: Summer	27.850	27.250	27.286	0.036	1.1	0.007	0.000	1.1	12.783	OK
FEH: 100 years: +45 %: 720 mins: Winter	27.850	27.250	27.287	0.037	0.7	0.008	0.000	0.7	12.720	OK
FEH: 100 years: +45 %: 960 mins: Summer	27.850	27.250	27.330	0.080	0.9	0.016	0.000	0.9	13.747	OK
FEH: 100 years: +45 %: 960 mins: Winter	27.850	27.250	27.333	0.083	0.6	0.017	0.000	0.6	13.739	OK
FEH: 100 years: +45 %: 1440 mins: Summer	27.850	27.250	27.382	0.132	0.7	0.027	0.000	0.7	15.294	OK
FEH: 100 years: +45 %: 1440 mins: Winter	27.850	27.250	27.388	0.138	0.4	0.028	0.000	0.5	15.270	OK
FEH: 100 years: +45 %: 2160 mins: Summer	27.850	27.250	27.407	0.157	0.5	0.032	0.000	0.5	16.948	OK
FEH: 100 years: +45 %: 2160 mins: Winter	27.850	27.250	27.418	0.168	0.3	0.034	0.000	0.3	16.995	OK
FEH: 100 years: +45 %: 2880 mins: Summer	27.850	27.250	27.410	0.160	0.4	0.032	0.000	0.4	18.295	OK
FEH: 100 years: +45 %: 2880 mins: Winter	27.850	27.250	27.422	0.172	0.3	0.035	0.000	0.3	18.422	OK

FEH: 100 years: +45 %: 4320 mins: Summer	27.850	27.250	27.404	0.154	0.3	0.031	0.000	0.3	20.647	OK
FEH: 100 years: +45 %: 4320 mins: Winter	27.850	27.250	27.404	0.154	0.2	0.031	0.000	0.2	20.640	OK
FEH: 100 years: +45 %: 5760 mins: Summer	27.850	27.250	27.393	0.143	0.3	0.029	0.000	0.3	22.064	OK
FEH: 100 years: +45 %: 5760 mins: Winter	27.850	27.250	27.383	0.133	0.2	0.027	0.000	0.2	22.289	OK
FEH: 100 years: +45 %: 7200 mins: Summer	27.850	27.250	27.382	0.132	0.2	0.027	0.000	0.2	23.850	OK
FEH: 100 years: +45 %: 7200 mins: Winter	27.850	27.250	27.359	0.109	0.1	0.022	0.000	0.1	23.518	OK
FEH: 100 years: +45 %: 8640 mins: Summer	27.850	27.250	27.373	0.123	0.2	0.025	0.000	0.2	25.534	OK
FEH: 100 years: +45 %: 8640 mins: Winter	27.850	27.250	27.333	0.083	0.1	0.017	0.000	0.1	25.100	OK
FEH: 100 years: +45 %: 10080 mins: Summer	27.850	27.250	27.366	0.116	0.2	0.023	0.000	0.2	26.990	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	27.850	27.250	27.309	0.059	0.1	0.012	0.000	0.1	26.976	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for EX : Rank By: Max. Depth

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
FEH: 100 years: +45 %: 15 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	2.946	OK
FEH: 100 years: +45 %: 15 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	2.970	OK
FEH: 100 years: +45 %: 30 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	6.322	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	6.357	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	12.116	OK
FEH: 100 years: +45 %: 60 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	12.185	OK
FEH: 100 years: +45 %: 120 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	24.788	OK
FEH: 100 years: +45 %: 120 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	24.925	OK

FEH: 100 years: +45 %: 180 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	38.425	OK
FEH: 100 years: +45 %: 180 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	38.592	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	52.475	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	52.634	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	81.203	OK
FEH: 100 years: +45 %: 360 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	81.307	OK
FEH: 100 years: +45 %: 480 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	110.585	OK
FEH: 100 years: +45 %: 480 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	110.601	OK
FEH: 100 years: +45 %: 600 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	140.337	OK
FEH: 100 years: +45 %: 600 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	140.263	OK

FEH: 100 years: +45 %: 720 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	170.249	OK
FEH: 100 years: +45 %: 720 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	170.054	OK
FEH: 100 years: +45 %: 960 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	230.258	OK
FEH: 100 years: +45 %: 960 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	229.884	OK
FEH: 100 years: +45 %: 1440 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	349.318	OK
FEH: 100 years: +45 %: 1440 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	348.671	OK
FEH: 100 years: +45 %: 2160 mins: Summer	28.200	26.201	26.238	0.037	2.4	0.000	0.000	2.4	521.309	OK
FEH: 100 years: +45 %: 2160 mins: Winter	28.200	26.201	26.238	0.038	2.4	0.000	0.000	2.4	520.303	OK
FEH: 100 years: +45 %: 2880 mins: Summer	28.200	26.201	26.238	0.037	2.4	0.000	0.000	2.4	685.680	OK
FEH: 100 years: +45 %: 2880 mins: Winter	28.200	26.201	26.238	0.038	2.4	0.000	0.000	2.4	684.658	OK

FEH: 100 years: +45 %: 4320 mins: Summer	28.200	26.201	26.238	0.037	2.4	0.000	0.000	2.4	1034.188	OK
FEH: 100 years: +45 %: 4320 mins: Winter	28.200	26.201	26.238	0.037	2.4	0.000	0.000	2.4	1033.855	OK
FEH: 100 years: +45 %: 5760 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1288.409	OK
FEH: 100 years: +45 %: 5760 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1289.903	OK
FEH: 100 years: +45 %: 7200 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1396.725	OK
FEH: 100 years: +45 %: 7200 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1397.369	OK
FEH: 100 years: +45 %: 8640 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1485.630	OK
FEH: 100 years: +45 %: 8640 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1484.382	OK
FEH: 100 years: +45 %: 10080 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1570.270	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1570.459	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S03-5: Rank By: Max. Depth

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
FEH: 100 years: +45 %: 15 mins: Summer	28.711	26.695	27.388	0.693	214.0	3.969	0.000	205.8	136.323	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.711	26.695	27.360	0.665	205.7	3.806	0.000	199.0	136.318	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.711	26.695	27.260	0.565	177.6	3.233	0.000	173.0	178.876	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	28.711	26.695	27.247	0.552	172.5	3.160	0.000	169.3	178.914	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	28.711	26.695	27.235	0.540	165.9	3.094	0.000	165.9	223.896	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	28.711	26.695	27.171	0.476	145.2	2.725	0.000	145.2	223.640	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	28.711	26.695	27.111	0.416	123.9	2.384	0.000	123.9	256.684	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	28.711	26.695	27.003	0.308	89.1	1.766	0.000	89.0	256.458	Surcharged

FEH: 100 years: +45 %: 180 mins: Summer	28.711	26.695	27.062	0.367	95.3	2.100	0.000	95.2	279.462	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	28.711	26.695	27.062	0.367	65.9	2.100	0.000	65.8	279.363	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	28.711	26.695	27.106	0.411	78.1	2.351	0.000	78.1	297.616	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	28.711	26.695	27.106	0.411	53.0	2.351	0.000	53.0	297.438	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	28.711	26.695	27.171	0.476	59.2	2.724	0.000	59.1	326.666	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	28.711	26.695	27.171	0.476	39.0	2.727	0.000	39.0	326.321	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	28.711	26.695	27.219	0.524	48.6	2.998	0.000	48.6	349.910	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	28.711	26.695	27.220	0.525	31.4	3.003	0.000	31.4	349.656	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	28.711	26.695	27.256	0.561	41.2	3.211	0.000	41.2	369.520	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.711	26.695	27.257	0.562	26.6	3.219	0.000	26.6	369.555	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.711	26.695	27.286	0.591	35.9	3.382	0.000	35.9	387.295	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.711	26.695	27.287	0.592	23.2	3.392	0.000	23.0	387.066	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.711	26.695	27.330	0.635	28.9	3.635	0.000	28.6	417.584	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.711	26.695	27.333	0.638	18.7	3.653	0.000	18.4	417.462	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.711	26.695	27.381	0.686	21.4	3.930	0.000	21.1	466.161	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.711	26.695	27.388	0.693	13.7	3.966	0.000	13.4	466.180	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.711	26.695	27.407	0.712	15.7	4.079	0.000	15.4	522.544	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.711	26.695	27.418	0.723	10.1	4.142	0.000	9.9	522.526	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.711	26.695	27.410	0.715	12.7	4.093	0.000	12.5	567.812	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.711	26.695	27.422	0.727	8.2	4.163	0.000	8.0	568.003	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.711	26.695	27.404	0.709	9.5	4.058	0.000	9.3	637.650	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.711	26.695	27.403	0.708	6.1	4.057	0.000	6.0	637.324	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.711	26.695	27.393	0.698	7.8	3.994	0.000	7.6	693.049	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.711	26.695	27.383	0.688	5.0	3.939	0.000	4.9	693.614	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.711	26.695	27.382	0.687	6.7	3.934	0.000	6.6	743.284	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.711	26.695	27.359	0.664	4.3	3.801	0.000	4.2	743.411	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.711	26.695	27.373	0.678	5.9	3.882	0.000	5.8	790.435	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.711	26.695	27.333	0.638	3.8	3.652	0.000	3.8	789.222	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.711	26.695	27.366	0.671	5.4	3.840	0.000	5.3	834.363	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	28.711	26.695	27.309	0.614	3.5	3.515	0.000	3.4	834.842	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S08-5: Rank By: Max. Depth

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
FEH: 100 years: +45 %: 15 mins: Summer	28.888	28.285	28.326	0.041	5.8	0.012	0.000	5.5	2.523	OK
FEH: 100 years: +45 %: 15 mins: Winter	28.888	28.285	28.325	0.040	5.5	0.011	0.000	5.2	2.523	OK
FEH: 100 years: +45 %: 30 mins: Summer	28.888	28.285	28.319	0.034	3.8	0.010	0.000	3.8	3.324	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.888	28.285	28.318	0.033	3.6	0.009	0.000	3.6	3.324	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.888	28.285	28.317	0.032	3.3	0.009	0.000	3.3	4.176	OK
FEH: 100 years: +45 %: 60 mins: Winter	28.888	28.285	28.314	0.029	2.7	0.008	0.000	2.7	4.170	OK
FEH: 100 years: +45 %: 120 mins: Summer	28.888	28.285	28.312	0.027	2.3	0.008	0.000	2.3	4.830	OK
FEH: 100 years: +45 %: 120 mins: Winter	28.888	28.285	28.308	0.023	1.6	0.006	0.000	1.6	4.830	OK

FEH: 100 years: +45 %: 180 mins: Summer	28.888	28.285	28.309	0.024	1.8	0.007	0.000	1.8	5.274	OK
FEH: 100 years: +45 %: 180 mins: Winter	28.888	28.285	28.305	0.020	1.2	0.006	0.000	1.2	5.274	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.888	28.285	28.307	0.022	1.5	0.006	0.000	1.5	5.628	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.888	28.285	28.303	0.018	1.0	0.005	0.000	1.0	5.628	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.888	28.285	28.304	0.019	1.1	0.005	0.000	1.1	6.180	OK
FEH: 100 years: +45 %: 360 mins: Winter	28.888	28.285	28.301	0.016	0.7	0.004	0.000	0.7	6.198	OK
FEH: 100 years: +45 %: 480 mins: Summer	28.888	28.285	28.302	0.017	0.9	0.005	0.000	0.9	6.630	OK
FEH: 100 years: +45 %: 480 mins: Winter	28.888	28.285	28.299	0.014	0.6	0.004	0.000	0.6	6.618	OK
FEH: 100 years: +45 %: 600 mins: Summer	28.888	28.285	28.301	0.016	0.8	0.005	0.000	0.8	6.996	OK
FEH: 100 years: +45 %: 600 mins: Winter	28.888	28.285	28.298	0.013	0.5	0.004	0.000	0.5	7.020	OK

FEH: 100 years: +45 %: 720 mins: Summer	28.888	28.285	28.300	0.015	0.7	0.004	0.000	0.7	7.314	OK
FEH: 100 years: +45 %: 720 mins: Winter	28.888	28.285	28.297	0.012	0.4	0.003	0.000	0.4	7.338	OK
FEH: 100 years: +45 %: 960 mins: Summer	28.888	28.285	28.299	0.014	0.5	0.004	0.000	0.5	7.896	OK
FEH: 100 years: +45 %: 960 mins: Winter	28.888	28.285	28.296	0.011	0.3	0.003	0.000	0.4	7.878	OK
FEH: 100 years: +45 %: 1440 mins: Summer	28.888	28.285	28.297	0.012	0.4	0.003	0.000	0.4	8.718	OK
FEH: 100 years: +45 %: 1440 mins: Winter	28.888	28.285	28.295	0.010	0.3	0.003	0.000	0.3	8.808	OK
FEH: 100 years: +45 %: 2160 mins: Summer	28.888	28.285	28.295	0.010	0.3	0.003	0.000	0.3	9.780	OK
FEH: 100 years: +45 %: 2160 mins: Winter	28.888	28.285	28.294	0.009	0.2	0.002	0.000	0.2	9.678	OK
FEH: 100 years: +45 %: 2880 mins: Summer	28.888	28.285	28.294	0.009	0.2	0.003	0.000	0.2	10.500	OK
FEH: 100 years: +45 %: 2880 mins: Winter	28.888	28.285	28.293	0.008	0.2	0.002	0.000	0.2	10.602	OK

FEH: 100 years: +45 %: 4320 mins: Summer	28.888	28.285	28.293	0.008	0.2	0.002	0.000	0.2	12.012	OK
FEH: 100 years: +45 %: 4320 mins: Winter	28.888	28.285	28.292	0.007	0.1	0.002	0.000	0.1	11.760	OK
FEH: 100 years: +45 %: 5760 mins: Summer	28.888	28.285	28.293	0.008	0.2	0.002	0.000	0.2	12.648	OK
FEH: 100 years: +45 %: 5760 mins: Winter	28.888	28.285	28.290	0.005	0.1	0.002	0.000	0.1	12.990	OK
FEH: 100 years: +45 %: 7200 mins: Summer	28.888	28.285	28.292	0.007	0.1	0.002	0.000	0.1	13.488	OK
FEH: 100 years: +45 %: 7200 mins: Winter	28.888	28.285	28.290	0.005	0.1	0.001	0.000	0.1	13.476	OK
FEH: 100 years: +45 %: 8640 mins: Summer	28.888	28.285	28.291	0.006	0.1	0.002	0.000	0.1	14.310	OK
FEH: 100 years: +45 %: 8640 mins: Winter	28.888	28.285	28.290	0.005	0.1	0.001	0.000	0.1	14.304	OK
FEH: 100 years: +45 %: 10080 mins: Summer	28.888	28.285	28.291	0.006	0.1	0.002	0.000	0.1	15.246	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	28.888	28.285	28.289	0.004	0.1	0.001	0.000	0.1	15.228	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S11-5: Rank By: Max. Depth

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
FEH: 100 years: +45 %: 15 mins: Summer	28.558	26.758	27.075	0.317	60.8	0.359	0.000	48.8	28.395	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.558	26.758	27.026	0.268	57.5	0.304	0.000	48.2	28.407	OK
FEH: 100 years: +45 %: 30 mins: Summer	28.558	26.758	26.963	0.205	43.2	0.231	0.000	43.1	37.593	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.558	26.758	26.946	0.188	40.5	0.213	0.000	40.5	37.595	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.558	26.758	26.933	0.175	37.6	0.198	0.000	37.6	46.029	OK
FEH: 100 years: +45 %: 60 mins: Winter	28.558	26.758	26.913	0.155	30.2	0.175	0.000	30.2	46.021	OK
FEH: 100 years: +45 %: 120 mins: Summer	28.558	26.758	27.003	0.245	25.8	0.277	0.000	25.8	52.688	OK
FEH: 100 years: +45 %: 120 mins: Winter	28.558	26.758	27.003	0.245	18.6	0.277	0.000	18.6	52.679	OK

FEH: 100 years: +45 %: 180 mins: Summer	28.558	26.758	27.062	0.304	19.9	0.343	0.000	19.9	57.474	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	28.558	26.758	27.062	0.304	13.7	0.343	0.000	13.7	57.423	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	28.558	26.758	27.106	0.348	16.4	0.393	0.000	16.4	61.134	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	28.558	26.758	27.106	0.348	11.0	0.393	0.000	11.1	61.118	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	28.558	26.758	27.170	0.412	12.3	0.466	0.000	12.3	67.219	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	28.558	26.758	27.171	0.413	8.1	0.467	0.000	8.1	67.109	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	28.558	26.758	27.218	0.460	10.1	0.521	0.000	10.1	72.040	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	28.558	26.758	27.219	0.461	6.6	0.522	0.000	6.6	71.976	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	28.558	26.758	27.256	0.498	8.6	0.563	0.000	8.6	76.154	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.558	26.758	27.257	0.499	5.5	0.565	0.000	5.5	76.123	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.558	26.758	27.286	0.528	7.5	0.597	0.000	7.4	79.800	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.558	26.758	27.287	0.529	4.8	0.599	0.000	4.8	79.753	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.558	26.758	27.330	0.572	6.0	0.647	0.000	5.9	86.056	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.558	26.758	27.333	0.575	3.9	0.650	0.000	3.8	86.081	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.558	26.758	27.381	0.623	4.5	0.705	0.000	4.1	96.244	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.558	26.758	27.388	0.630	2.9	0.712	0.000	2.8	96.253	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.558	26.758	27.407	0.649	3.3	0.734	0.000	3.0	107.974	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.558	26.758	27.418	0.660	2.1	0.747	0.000	2.1	107.943	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.558	26.758	27.410	0.652	2.7	0.737	0.000	2.4	117.922	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.558	26.758	27.422	0.664	1.7	0.751	0.000	1.6	118.013	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.558	26.758	27.404	0.646	2.0	0.730	0.000	1.8	132.797	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.558	26.758	27.403	0.645	1.3	0.730	0.000	1.2	132.867	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.558	26.758	27.393	0.635	1.6	0.718	0.000	1.5	144.277	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.558	26.758	27.383	0.625	1.1	0.707	0.000	1.0	144.389	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.558	26.758	27.382	0.624	1.4	0.706	0.000	1.3	154.804	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.558	26.758	27.359	0.601	0.9	0.680	0.000	0.9	154.796	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.558	26.758	27.373	0.615	1.2	0.696	0.000	1.1	164.294	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.558	26.758	27.333	0.575	0.8	0.650	0.000	0.8	164.472	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.558	26.758	27.366	0.608	1.1	0.687	0.000	1.0	173.874	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	28.558	26.758	27.309	0.551	0.7	0.623	0.000	0.7	173.860	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S13-5: Rank By: Max. Depth

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
FEH: 100 years: +45 %: 15 mins: Summer	28.754	26.941	27.308	0.367	65.0	0.416	0.000	60.9	27.986	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.754	26.941	27.240	0.299	61.1	0.338	0.000	56.6	28.001	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.754	26.941	27.096	0.155	42.9	0.175	0.000	42.9	36.975	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.754	26.941	27.088	0.147	40.3	0.167	0.000	40.3	36.998	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.754	26.941	27.081	0.140	37.4	0.159	0.000	37.4	46.505	OK
FEH: 100 years: +45 %: 60 mins: Winter	28.754	26.941	27.062	0.121	30.0	0.136	0.000	30.0	46.536	OK
FEH: 100 years: +45 %: 120 mins: Summer	28.754	26.941	27.050	0.109	25.7	0.123	0.000	25.7	53.817	OK
FEH: 100 years: +45 %: 120 mins: Winter	28.754	26.941	27.031	0.090	18.5	0.102	0.000	18.5	53.805	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 180 mins: Summer	28.754	26.941	27.062	0.121	19.8	0.136	0.000	19.8	58.685	OK
FEH: 100 years: +45 %: 180 mins: Winter	28.754	26.941	27.062	0.121	13.6	0.137	0.000	13.7	58.685	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.754	26.941	27.105	0.164	16.3	0.186	0.000	16.4	62.524	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.754	26.941	27.106	0.165	11.0	0.186	0.000	11.0	62.573	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.754	26.941	27.171	0.230	12.3	0.260	0.000	12.3	68.650	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	28.754	26.941	27.171	0.230	8.1	0.260	0.000	8.1	68.691	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	28.754	26.941	27.219	0.278	10.1	0.314	0.000	10.1	73.575	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	28.754	26.941	27.219	0.278	6.5	0.315	0.000	6.5	73.567	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	28.754	26.941	27.256	0.315	8.5	0.356	0.000	8.5	77.714	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.754	26.941	27.257	0.316	5.5	0.358	0.000	5.5	77.745	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.754	26.941	27.286	0.345	7.4	0.390	0.000	7.4	81.414	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.754	26.941	27.287	0.346	4.8	0.392	0.000	4.8	81.384	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.754	26.941	27.330	0.389	6.0	0.440	0.000	6.0	87.645	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.754	26.941	27.333	0.392	3.9	0.443	0.000	3.9	87.655	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.754	26.941	27.381	0.440	4.4	0.498	0.000	4.5	97.601	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.754	26.941	27.388	0.447	2.9	0.505	0.000	2.9	97.658	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.754	26.941	27.407	0.466	3.3	0.528	0.000	3.3	108.988	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.754	26.941	27.418	0.477	2.1	0.540	0.000	2.1	109.014	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.754	26.941	27.410	0.469	2.7	0.530	0.000	2.7	118.029	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.754	26.941	27.422	0.481	1.7	0.544	0.000	1.7	117.846	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.754	26.941	27.404	0.463	2.0	0.523	0.000	2.0	131.862	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.754	26.941	27.403	0.462	1.3	0.523	0.000	1.3	132.166	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.754	26.941	27.393	0.452	1.6	0.511	0.000	1.6	143.542	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.754	26.941	27.383	0.442	1.0	0.500	0.000	1.0	143.616	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.754	26.941	27.382	0.441	1.4	0.499	0.000	1.4	153.953	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.754	26.941	27.359	0.418	0.9	0.473	0.000	0.9	153.938	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.754	26.941	27.373	0.432	1.2	0.489	0.000	1.2	163.493	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.754	26.941	27.333	0.392	0.8	0.443	0.000	0.8	163.592	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.754	26.941	27.366	0.425	1.1	0.480	0.000	1.1	172.620	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	28.754	26.941	27.309	0.368	0.7	0.416	0.000	0.7	172.845	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S10-5: Rank By: Max. Depth

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
FEH: 100 years: +45 %: 15 mins: Summer	28.560	26.606	26.954	0.348	48.8	0.394	0.000	45.1	28.009	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.560	26.606	26.933	0.327	48.2	0.370	0.000	45.6	28.013	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.560	26.606	26.879	0.274	43.1	0.309	0.000	43.1	36.203	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.560	26.606	26.861	0.256	40.5	0.289	0.000	40.5	36.202	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.560	26.606	26.912	0.306	37.6	0.347	0.000	37.6	43.424	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	28.560	26.606	26.912	0.306	30.2	0.346	0.000	30.2	43.416	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	28.560	26.606	27.003	0.398	25.8	0.450	0.000	25.8	49.664	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	28.560	26.606	27.003	0.397	18.6	0.449	0.000	18.6	49.643	Surcharged

FEH: 100 years: +45 %: 180 mins: Summer	28.560	26.606	27.061	0.456	19.9	0.516	0.000	18.8	54.360	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	28.560	26.606	27.061	0.456	13.7	0.516	0.000	13.4	54.302	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	28.560	26.606	27.105	0.500	16.4	0.565	0.000	15.5	57.940	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	28.560	26.606	27.105	0.500	11.1	0.565	0.000	10.4	57.934	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	28.560	26.606	27.170	0.565	12.3	0.639	0.000	11.1	63.986	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	28.560	26.606	27.171	0.565	8.1	0.639	0.000	7.3	63.868	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	28.560	26.606	27.218	0.613	10.1	0.693	0.000	8.8	68.772	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	28.560	26.606	27.219	0.614	6.6	0.694	0.000	5.7	68.707	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	28.560	26.606	27.255	0.650	8.6	0.735	0.000	7.4	72.865	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.560	26.606	27.257	0.651	5.5	0.737	0.000	4.8	72.841	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.560	26.606	27.285	0.680	7.4	0.769	0.000	6.5	76.505	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.560	26.606	27.287	0.681	4.8	0.771	0.000	4.2	76.468	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.560	26.606	27.329	0.724	5.9	0.819	0.000	5.1	82.772	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.560	26.606	27.333	0.727	3.8	0.822	0.000	3.3	82.807	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.560	26.606	27.381	0.775	4.1	0.877	0.000	3.6	93.029	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.560	26.606	27.387	0.782	2.8	0.884	0.000	2.4	93.046	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.560	26.606	27.407	0.801	3.0	0.906	0.000	2.7	104.960	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.560	26.606	27.418	0.812	2.1	0.919	0.000	1.8	104.934	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.560	26.606	27.409	0.804	2.4	0.909	0.000	2.2	115.532	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.560	26.606	27.422	0.816	1.6	0.923	0.000	1.5	115.614	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.560	26.606	27.403	0.798	1.8	0.902	0.000	1.7	132.742	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.560	26.606	27.403	0.797	1.2	0.902	0.000	1.1	132.819	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.560	26.606	27.392	0.787	1.5	0.890	0.000	1.4	144.225	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.560	26.606	27.382	0.777	1.0	0.879	0.000	0.9	144.345	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.560	26.606	27.382	0.776	1.3	0.878	0.000	1.2	154.755	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.560	26.606	27.358	0.753	0.9	0.851	0.000	0.8	154.754	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.560	26.606	27.373	0.767	1.1	0.868	0.000	1.1	164.246	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.560	26.606	27.332	0.727	0.8	0.822	0.000	0.7	164.432	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.560	26.606	27.365	0.760	1.0	0.859	0.000	1.0	173.828	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	28.560	26.606	27.309	0.703	0.7	0.795	0.000	0.7	173.821	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S09-5: Rank By: Max. Depth

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
FEH: 100 years: +45 %: 15 mins: Summer	28.846	26.558	26.918	0.360	106.1	0.407	0.000	104.5	55.889	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.846	26.558	26.901	0.343	102.1	0.388	0.000	100.1	55.880	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.846	26.558	26.851	0.293	86.0	0.331	0.000	86.0	72.229	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.846	26.558	26.836	0.278	80.8	0.315	0.000	80.8	72.237	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.846	26.558	26.913	0.355	74.9	0.401	0.000	74.9	88.342	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	28.846	26.558	26.912	0.355	60.3	0.401	0.000	60.3	88.354	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	28.846	26.558	27.004	0.446	51.5	0.504	0.000	51.5	101.647	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	28.846	26.558	27.003	0.445	37.0	0.504	0.000	37.0	101.624	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 180 mins: Summer	28.846	26.558	27.062	0.504	38.6	0.570	0.000	38.4	111.130	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	28.846	26.558	27.062	0.504	27.0	0.570	0.000	26.9	111.068	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	28.846	26.558	27.106	0.548	31.6	0.620	0.000	31.4	118.527	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	28.846	26.558	27.106	0.548	21.1	0.619	0.000	20.8	118.543	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	28.846	26.558	27.171	0.613	23.3	0.693	0.000	22.7	130.620	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	28.846	26.558	27.171	0.613	15.2	0.694	0.000	14.9	130.528	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	28.846	26.558	27.219	0.661	18.9	0.747	0.000	18.0	140.297	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	28.846	26.558	27.219	0.662	12.2	0.748	0.000	11.6	140.205	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	28.846	26.558	27.256	0.698	16.0	0.789	0.000	15.3	148.503	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.846	26.558	27.257	0.699	10.3	0.791	0.000	9.8	148.495	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.846	26.558	27.286	0.728	13.9	0.823	0.000	13.3	155.830	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.846	26.558	27.287	0.729	9.0	0.825	0.000	8.6	155.750	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.846	26.558	27.330	0.772	11.0	0.873	0.000	10.5	168.326	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.846	26.558	27.333	0.775	7.2	0.876	0.000	6.9	168.358	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.846	26.558	27.381	0.823	8.0	0.931	0.000	7.9	188.582	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.846	26.558	27.387	0.830	5.2	0.938	0.000	5.1	188.645	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.846	26.558	27.407	0.849	6.0	0.961	0.000	5.9	212.049	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.846	26.558	27.418	0.860	3.9	0.973	0.000	3.8	212.039	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.846	26.558	27.410	0.852	4.9	0.963	0.000	4.8	232.012	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.846	26.558	27.422	0.864	3.2	0.977	0.000	3.1	231.897	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.846	26.558	27.404	0.846	3.7	0.956	0.000	3.6	264.605	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.846	26.558	27.403	0.845	2.4	0.956	0.000	2.3	264.983	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.846	26.558	27.392	0.834	3.0	0.944	0.000	3.0	287.766	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.846	26.558	27.383	0.825	1.9	0.933	0.000	1.9	287.956	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.846	26.558	27.382	0.824	2.6	0.932	0.000	2.6	308.706	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.846	26.558	27.359	0.801	1.7	0.906	0.000	1.6	308.686	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.846	26.558	27.373	0.815	2.3	0.922	0.000	2.3	327.736	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.846	26.558	27.333	0.775	1.5	0.876	0.000	1.5	328.018	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.846	26.558	27.366	0.808	2.1	0.913	0.000	2.1	346.445	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	28.846	26.558	27.309	0.751	1.4	0.849	0.000	1.3	346.660	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S07-5: Rank By: Max. Depth

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
FEH: 100 years: +45 %: 15 mins: Summer	28.888	27.792	28.063	0.271	70.9	0.077	0.000	51.2	30.979	OK
FEH: 100 years: +45 %: 15 mins: Winter	28.888	27.792	28.030	0.239	66.6	0.068	0.000	58.1	30.952	OK
FEH: 100 years: +45 %: 30 mins: Summer	28.888	27.792	27.981	0.189	47.0	0.053	0.000	47.0	40.729	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.888	27.792	27.972	0.180	44.1	0.051	0.000	44.1	40.729	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.888	27.792	27.962	0.170	40.9	0.048	0.000	40.9	51.135	OK
FEH: 100 years: +45 %: 60 mins: Winter	28.888	27.792	27.939	0.147	32.9	0.042	0.000	32.9	51.123	OK
FEH: 100 years: +45 %: 120 mins: Summer	28.888	27.792	27.926	0.134	28.1	0.038	0.000	28.1	59.206	OK
FEH: 100 years: +45 %: 120 mins: Winter	28.888	27.792	27.902	0.110	20.2	0.031	0.000	20.2	59.204	OK

FEH: 100 years: +45 %: 180 mins: Summer	28.888	27.792	27.907	0.115	21.7	0.032	0.000	21.7	64.679	OK
FEH: 100 years: +45 %: 180 mins: Winter	28.888	27.792	27.885	0.093	14.9	0.026	0.000	14.9	64.697	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.888	27.792	27.895	0.103	17.9	0.029	0.000	17.9	68.993	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.888	27.792	27.875	0.083	12.0	0.024	0.000	12.0	68.999	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.888	27.792	27.880	0.088	13.4	0.025	0.000	13.4	75.773	OK
FEH: 100 years: +45 %: 360 mins: Winter	28.888	27.792	27.863	0.071	8.8	0.020	0.000	8.8	75.786	OK
FEH: 100 years: +45 %: 480 mins: Summer	28.888	27.792	27.872	0.080	11.0	0.023	0.000	11.0	81.215	OK
FEH: 100 years: +45 %: 480 mins: Winter	28.888	27.792	27.856	0.064	7.1	0.018	0.000	7.1	81.180	OK
FEH: 100 years: +45 %: 600 mins: Summer	28.888	27.792	27.865	0.073	9.3	0.021	0.000	9.3	85.781	OK
FEH: 100 years: +45 %: 600 mins: Winter	28.888	27.792	27.851	0.059	6.0	0.017	0.000	6.0	85.776	OK

FEH: 100 years: +45 %: 720 mins: Summer	28.888	27.792	27.860	0.068	8.1	0.019	0.000	8.1	89.772	OK
FEH: 100 years: +45 %: 720 mins: Winter	28.888	27.792	27.847	0.055	5.3	0.016	0.000	5.3	89.772	OK
FEH: 100 years: +45 %: 960 mins: Summer	28.888	27.792	27.853	0.062	6.6	0.017	0.000	6.6	96.594	OK
FEH: 100 years: +45 %: 960 mins: Winter	28.888	27.792	27.841	0.050	4.3	0.014	0.000	4.2	96.594	OK
FEH: 100 years: +45 %: 1440 mins: Summer	28.888	27.792	27.845	0.053	4.9	0.015	0.000	4.9	107.394	OK
FEH: 100 years: +45 %: 1440 mins: Winter	28.888	27.792	27.835	0.043	3.2	0.012	0.000	3.2	107.514	OK
FEH: 100 years: +45 %: 2160 mins: Summer	28.888	27.792	27.838	0.046	3.6	0.013	0.000	3.6	119.526	OK
FEH: 100 years: +45 %: 2160 mins: Winter	28.888	27.792	27.829	0.037	2.3	0.011	0.000	2.3	119.436	OK
FEH: 100 years: +45 %: 2880 mins: Summer	28.888	27.792	27.833	0.041	2.9	0.012	0.000	2.9	129.162	OK
FEH: 100 years: +45 %: 2880 mins: Winter	28.888	27.792	27.825	0.034	1.9	0.010	0.000	1.9	129.336	OK

FEH: 100 years: +45 %: 4320 mins: Summer	28.888	27.792	27.828	0.036	2.2	0.010	0.000	2.2	144.696	OK
FEH: 100 years: +45 %: 4320 mins: Winter	28.888	27.792	27.821	0.029	1.4	0.008	0.000	1.4	144.564	OK
FEH: 100 years: +45 %: 5760 mins: Summer	28.888	27.792	27.825	0.033	1.8	0.009	0.000	1.8	156.852	OK
FEH: 100 years: +45 %: 5760 mins: Winter	28.888	27.792	27.818	0.027	1.2	0.008	0.000	1.1	157.266	OK
FEH: 100 years: +45 %: 7200 mins: Summer	28.888	27.792	27.822	0.030	1.5	0.009	0.000	1.5	168.066	OK
FEH: 100 years: +45 %: 7200 mins: Winter	28.888	27.792	27.817	0.025	1.0	0.007	0.000	1.0	168.222	OK
FEH: 100 years: +45 %: 8640 mins: Summer	28.888	27.792	27.820	0.029	1.4	0.008	0.000	1.4	178.542	OK
FEH: 100 years: +45 %: 8640 mins: Winter	28.888	27.792	27.815	0.023	0.9	0.007	0.000	0.9	178.626	OK
FEH: 100 years: +45 %: 10080 mins: Summer	28.888	27.792	27.819	0.027	1.2	0.008	0.000	1.2	189.060	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	28.888	27.792	27.814	0.022	0.8	0.006	0.000	0.8	189.036	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S01- 5: Rank By: Max. Depth

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
FEH: 200 years: +45 %: 15 mins: Summer	28.623	26.989	28.123	1.134	98.8	1.282	0.000	90.3	54.038	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.623	26.989	28.077	1.088	89.4	1.231	0.000	90.0	49.608	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.623	26.989	27.920	0.931	61.2	1.053	0.000	62.3	46.938	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	28.623	26.989	27.899	0.910	54.5	1.029	0.000	55.4	39.099	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	28.623	26.989	27.879	0.890	48.6	1.007	0.000	49.3	31.987	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	28.623	26.989	27.850	0.861	11.3	0.973	0.000	10.8	10.873	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	28.623	26.989	27.624	0.635	8.6	0.718	0.000	10.5	11.153	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	28.623	26.989	27.283	0.294	4.3	0.332	0.000	5.3	9.247	OK

FEH: 200 years: +45 %: 180 mins: Summer	28.623	26.989	27.343	0.354	4.7	0.400	0.000	7.6	10.132	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	28.623	26.989	27.165	0.176	2.4	0.199	0.000	3.0	9.152	OK
FEH: 200 years: +45 %: 240 mins: Summer	28.623	26.989	27.218	0.229	3.7	0.259	0.000	5.2	9.832	OK
FEH: 200 years: +45 %: 240 mins: Winter	28.623	26.989	27.218	0.229	1.9	0.259	0.000	2.1	9.344	OK
FEH: 200 years: +45 %: 360 mins: Summer	28.623	26.989	27.298	0.309	2.2	0.349	0.000	2.7	10.351	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	28.623	26.989	27.298	0.309	1.4	0.350	0.000	1.4	9.992	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	28.623	26.989	27.357	0.368	1.8	0.416	0.000	1.8	10.937	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	28.623	26.989	27.358	0.369	1.1	0.418	0.000	1.1	10.627	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	28.623	26.989	27.403	0.414	1.5	0.469	0.000	1.5	11.363	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	28.623	26.989	27.406	0.417	1.0	0.471	0.000	1.0	11.170	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	28.623	26.989	27.442	0.453	1.3	0.512	0.000	1.3	11.794	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.623	26.989	27.444	0.455	0.8	0.515	0.000	0.8	11.778	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.623	26.989	27.499	0.510	1.1	0.577	0.000	1.1	12.951	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.623	26.989	27.503	0.514	0.7	0.581	0.000	0.7	12.873	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.623	26.989	27.567	0.578	0.8	0.654	0.000	0.8	15.016	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.623	26.989	27.574	0.585	0.5	0.661	0.000	0.5	14.975	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.623	26.989	27.604	0.615	0.6	0.696	0.000	0.6	17.964	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.623	26.989	27.617	0.628	0.4	0.711	0.000	0.4	17.906	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.623	26.989	27.607	0.618	0.5	0.699	0.000	0.5	20.652	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.623	26.989	27.624	0.635	0.3	0.718	0.000	0.3	20.635	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.623	26.989	27.594	0.605	0.4	0.685	0.000	0.4	23.145	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.623	26.989	27.600	0.611	0.2	0.691	0.000	0.2	23.246	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.623	26.989	27.579	0.590	0.3	0.667	0.000	0.3	25.160	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.623	26.989	27.574	0.585	0.2	0.661	0.000	0.2	24.835	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.623	26.989	27.561	0.572	0.2	0.647	0.000	0.2	26.548	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.623	26.989	27.543	0.554	0.2	0.627	0.000	0.2	26.892	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.623	26.989	27.545	0.556	0.2	0.629	0.000	0.2	28.113	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.623	26.989	27.513	0.524	0.1	0.593	0.000	0.1	28.097	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.623	26.989	27.532	0.543	0.2	0.614	0.000	0.2	29.899	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.623	26.989	27.483	0.494	0.1	0.559	0.000	0.1	29.405	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S03 - 5: Rank By: Max. Depth

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
FEH: 200 years: +45 %: 15 mins: Summer	28.792	26.748	28.230	1.482	236.1	1.677	0.000	230.9	152.975	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.792	26.748	28.136	1.388	225.7	1.569	0.000	221.3	152.931	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.792	26.748	27.787	1.039	183.4	1.175	0.000	182.4	202.416	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	28.792	26.748	27.741	0.993	178.3	1.123	0.000	177.3	202.403	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	28.792	26.748	27.705	0.957	173.8	1.082	0.000	173.0	253.927	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	28.792	26.748	27.626	0.878	163.2	0.993	0.000	163.2	253.794	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	28.792	26.748	27.454	0.706	140.0	0.798	0.000	140.0	291.287	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	28.792	26.748	27.196	0.448	100.5	0.506	0.000	100.5	291.253	Surcharged

FEH: 200 years: +45 %: 180 mins: Summer	28.792	26.748	27.241	0.493	107.8	0.557	0.000	107.8	317.993	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	28.792	26.748	27.165	0.417	74.4	0.471	0.000	74.4	317.445	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	28.792	26.748	27.217	0.469	89.1	0.531	0.000	89.1	339.282	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	28.792	26.748	27.218	0.470	60.0	0.531	0.000	60.0	338.617	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	28.792	26.748	27.297	0.549	67.2	0.621	0.000	67.2	373.711	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	28.792	26.748	27.298	0.550	44.3	0.622	0.000	44.3	373.208	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	28.792	26.748	27.356	0.608	55.4	0.688	0.000	55.4	401.482	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	28.792	26.748	27.358	0.610	35.8	0.690	0.000	35.7	401.125	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	28.792	26.748	27.403	0.655	46.9	0.741	0.000	46.7	424.952	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	28.792	26.748	27.406	0.658	30.3	0.744	0.000	30.2	424.759	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	28.792	26.748	27.441	0.693	40.9	0.784	0.000	40.7	445.546	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.792	26.748	27.444	0.696	26.5	0.787	0.000	26.3	445.514	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.792	26.748	27.499	0.751	33.1	0.849	0.000	32.8	481.050	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.792	26.748	27.503	0.755	21.1	0.854	0.000	21.0	480.936	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.792	26.748	27.567	0.819	24.2	0.926	0.000	23.9	536.774	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.792	26.748	27.574	0.826	15.6	0.934	0.000	15.4	536.715	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.792	26.748	27.604	0.856	17.9	0.968	0.000	17.7	598.532	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.792	26.748	27.617	0.869	11.5	0.983	0.000	11.4	598.432	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.792	26.748	27.607	0.859	14.4	0.971	0.000	14.2	647.973	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.792	26.748	27.624	0.876	9.3	0.991	0.000	9.2	647.538	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.792	26.748	27.594	0.846	10.7	0.957	0.000	10.6	723.050	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.792	26.748	27.600	0.852	6.9	0.964	0.000	6.8	723.107	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.792	26.748	27.579	0.831	8.7	0.939	0.000	8.6	781.747	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.792	26.748	27.574	0.826	5.6	0.934	0.000	5.5	781.865	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.792	26.748	27.561	0.813	7.4	0.919	0.000	7.3	833.107	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.792	26.748	27.543	0.795	4.8	0.900	0.000	4.7	833.452	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.792	26.748	27.545	0.797	6.5	0.902	0.000	6.4	880.657	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.792	26.748	27.513	0.765	4.2	0.865	0.000	4.2	881.032	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.792	26.748	27.532	0.784	5.9	0.886	0.000	5.8	925.961	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.792	26.748	27.483	0.735	3.8	0.831	0.000	3.8	925.210	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S02 - 5: Rank By: Max. Depth

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
FEH: 200 years: +45 %: 15 mins: Summer	28.622	26.824	28.486	1.662	222.5	1.880	0.000	117.7	127.559	Flood Risk
FEH: 200 years: +45 %: 15 mins: Winter	28.622	26.824	28.379	1.555	208.8	1.759	0.000	114.5	125.315	Flood Risk
FEH: 200 years: +45 %: 30 mins: Summer	28.622	26.824	27.991	1.167	147.8	1.320	0.000	105.0	156.229	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	28.622	26.824	27.946	1.122	138.7	1.269	0.000	107.0	152.220	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	28.622	26.824	27.913	1.089	129.1	1.232	0.000	108.2	181.906	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	28.622	26.824	27.849	1.025	107.9	1.159	0.000	107.9	171.070	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	28.622	26.824	27.623	0.799	92.9	0.903	0.000	92.9	195.553	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	28.622	26.824	27.282	0.458	66.6	0.518	0.000	66.6	193.774	Surcharged

FEH: 200 years: +45 %: 180 mins: Summer	28.622	26.824	27.342	0.518	71.5	0.586	0.000	71.5	211.833	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	28.622	26.824	27.165	0.341	49.4	0.385	0.000	49.3	210.575	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	28.622	26.824	27.218	0.394	59.1	0.445	0.000	59.0	225.223	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	28.622	26.824	27.218	0.394	39.9	0.445	0.000	39.8	224.398	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	28.622	26.824	27.297	0.473	44.6	0.535	0.000	44.6	247.682	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	28.622	26.824	27.298	0.474	29.4	0.536	0.000	29.4	247.188	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	28.622	26.824	27.357	0.533	36.7	0.602	0.000	36.7	266.014	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	28.622	26.824	27.358	0.534	23.8	0.604	0.000	23.7	265.635	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	28.622	26.824	27.403	0.579	31.2	0.655	0.000	31.1	281.476	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	28.622	26.824	27.406	0.582	20.1	0.658	0.000	20.1	281.259	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	28.622	26.824	27.442	0.618	27.3	0.698	0.000	27.1	295.048	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.622	26.824	27.444	0.620	17.6	0.701	0.000	17.6	295.008	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.622	26.824	27.499	0.675	22.1	0.763	0.000	21.9	318.595	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.622	26.824	27.503	0.679	14.2	0.768	0.000	14.0	318.495	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.622	26.824	27.567	0.743	16.4	0.841	0.000	15.9	355.677	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.622	26.824	27.574	0.750	10.6	0.848	0.000	10.3	355.600	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.622	26.824	27.604	0.780	12.1	0.883	0.000	11.8	396.915	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.622	26.824	27.617	0.793	7.8	0.897	0.000	7.6	396.943	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.622	26.824	27.607	0.783	9.8	0.885	0.000	9.5	430.069	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.622	26.824	27.624	0.800	6.3	0.905	0.000	6.1	430.072	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.622	26.824	27.594	0.770	7.3	0.871	0.000	7.0	479.854	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.622	26.824	27.600	0.776	4.7	0.878	0.000	4.5	479.981	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.622	26.824	27.579	0.755	5.9	0.853	0.000	5.7	518.820	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.622	26.824	27.574	0.750	3.8	0.848	0.000	3.7	518.764	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.622	26.824	27.561	0.737	5.0	0.834	0.000	4.9	552.913	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.622	26.824	27.543	0.719	3.2	0.814	0.000	3.1	553.005	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.622	26.824	27.545	0.721	4.4	0.816	0.000	4.3	584.466	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.622	26.824	27.513	0.689	2.9	0.779	0.000	2.8	584.835	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.622	26.824	27.532	0.708	4.0	0.801	0.000	3.9	614.956	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.622	26.824	27.483	0.659	2.6	0.746	0.000	2.5	614.048	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S04- 5: Rank By: Max. Depth

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
FEH: 200 years: +45 %: 15 mins: Summer	28.502	26.251	26.714	0.463	3.2	0.524	0.000	2.3	3.015	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.502	26.251	26.714	0.463	3.1	0.524	0.000	2.3	3.040	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.502	26.251	26.853	0.602	3.0	0.681	0.000	2.3	6.224	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	28.502	26.251	26.852	0.602	2.9	0.681	0.000	2.3	6.258	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	28.502	26.251	26.996	0.745	2.9	0.842	0.000	2.3	12.216	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	28.502	26.251	26.995	0.745	2.8	0.842	0.000	2.3	12.275	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	28.502	26.251	27.097	0.846	2.7	0.957	0.000	2.3	25.982	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	28.502	26.251	27.097	0.846	2.6	0.957	0.000	2.3	26.069	Surcharged

FEH: 200 years: +45 %: 180 mins: Summer	28.502	26.251	27.165	0.914	2.6	1.034	0.000	2.3	40.431	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	28.502	26.251	27.165	0.914	2.5	1.034	0.000	2.3	40.487	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	28.502	26.251	27.217	0.966	2.5	1.093	0.000	2.3	55.331	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	28.502	26.251	27.217	0.967	2.4	1.093	0.000	2.3	55.340	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	28.502	26.251	27.297	1.046	2.4	1.184	0.000	2.3	85.977	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	28.502	26.251	27.298	1.047	2.4	1.184	0.000	2.3	85.858	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	28.502	26.251	27.357	1.106	2.4	1.251	0.000	2.3	117.298	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	28.502	26.251	27.358	1.107	2.4	1.252	0.000	2.3	117.041	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	28.502	26.251	27.403	1.152	2.4	1.303	0.000	2.4	149.133	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	28.502	26.251	27.405	1.155	2.4	1.306	0.000	2.4	148.718	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	28.502	26.251	27.441	1.190	2.4	1.346	0.000	2.4	181.177	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.502	26.251	27.444	1.193	2.4	1.349	0.000	2.4	180.571	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.502	26.251	27.498	1.247	2.5	1.411	0.000	2.5	245.693	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.502	26.251	27.502	1.251	2.5	1.415	0.000	2.5	244.784	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.502	26.251	27.567	1.316	2.5	1.488	0.000	2.5	374.048	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.502	26.251	27.573	1.323	2.5	1.496	0.000	2.5	372.525	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.502	26.251	27.604	1.353	2.5	1.530	0.000	2.5	560.155	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.502	26.251	27.617	1.366	2.6	1.545	0.000	2.6	558.088	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.502	26.251	27.606	1.356	2.5	1.533	0.000	2.5	735.748	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.502	26.251	27.623	1.373	2.6	1.552	0.000	2.6	733.376	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.502	26.251	27.594	1.343	2.5	1.519	0.000	2.5	1073.751	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.502	26.251	27.599	1.349	2.5	1.525	0.000	2.5	1071.456	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.502	26.251	27.578	1.327	2.5	1.501	0.000	2.5	1414.647	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.502	26.251	27.573	1.322	2.5	1.496	0.000	2.5	1413.614	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.502	26.251	27.560	1.310	2.5	1.481	0.000	2.5	1562.953	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.502	26.251	27.543	1.292	2.5	1.461	0.000	2.5	1564.561	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.502	26.251	27.545	1.294	2.5	1.463	0.000	2.5	1656.188	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.502	26.251	27.513	1.262	2.5	1.427	0.000	2.5	1656.809	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.502	26.251	27.531	1.281	2.5	1.448	0.000	2.5	1741.778	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.502	26.251	27.483	1.232	2.4	1.393	0.000	2.4	1740.164	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S12-5: Rank By: Max. Depth

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
FEH: 200 years: +45 %: 15 mins: Summer	28.755	27.012	27.528	0.516	73.3	0.584	0.000	66.8	31.652	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.755	27.012	27.426	0.414	68.8	0.468	0.000	62.1	31.675	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.755	27.012	27.196	0.184	48.7	0.208	0.000	48.7	42.141	OK
FEH: 200 years: +45 %: 30 mins: Winter	28.755	27.012	27.180	0.168	45.7	0.190	0.000	45.7	42.164	OK
FEH: 200 years: +45 %: 60 mins: Summer	28.755	27.012	27.171	0.159	42.6	0.180	0.000	42.6	53.140	OK
FEH: 200 years: +45 %: 60 mins: Winter	28.755	27.012	27.148	0.136	34.2	0.154	0.000	34.2	53.120	OK
FEH: 200 years: +45 %: 120 mins: Summer	28.755	27.012	27.134	0.122	29.1	0.138	0.000	29.1	61.231	OK
FEH: 200 years: +45 %: 120 mins: Winter	28.755	27.012	27.112	0.100	21.0	0.113	0.000	21.0	61.227	OK

FEH: 200 years: +45 %: 180 mins: Summer	28.755	27.012	27.164	0.152	22.5	0.172	0.000	22.5	66.843	OK
FEH: 200 years: +45 %: 180 mins: Winter	28.755	27.012	27.165	0.153	15.5	0.173	0.000	15.5	66.810	OK
FEH: 200 years: +45 %: 240 mins: Summer	28.755	27.012	27.217	0.205	18.6	0.232	0.000	18.6	71.347	OK
FEH: 200 years: +45 %: 240 mins: Winter	28.755	27.012	27.218	0.206	12.5	0.233	0.000	12.5	71.311	OK
FEH: 200 years: +45 %: 360 mins: Summer	28.755	27.012	27.297	0.285	14.0	0.323	0.000	14.0	78.572	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	28.755	27.012	27.298	0.286	9.2	0.324	0.000	9.2	78.580	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	28.755	27.012	27.357	0.345	11.5	0.390	0.000	11.5	84.401	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	28.755	27.012	27.358	0.346	7.5	0.392	0.000	7.5	84.423	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	28.755	27.012	27.403	0.391	9.8	0.443	0.000	9.8	89.344	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	28.755	27.012	27.406	0.394	6.3	0.445	0.000	6.3	89.387	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	28.755	27.012	27.441	0.429	8.6	0.486	0.000	8.6	93.725	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.755	27.012	27.444	0.432	5.5	0.489	0.000	5.5	93.703	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.755	27.012	27.499	0.487	6.9	0.550	0.000	6.9	101.104	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.755	27.012	27.503	0.491	4.5	0.555	0.000	4.5	101.126	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.755	27.012	27.567	0.555	5.1	0.628	0.000	5.1	112.663	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.755	27.012	27.574	0.562	3.3	0.635	0.000	3.3	112.626	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.755	27.012	27.604	0.592	3.8	0.670	0.000	3.8	125.405	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.755	27.012	27.617	0.605	2.5	0.685	0.000	2.5	125.362	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.755	27.012	27.607	0.595	3.1	0.673	0.000	3.1	135.373	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.755	27.012	27.624	0.612	2.0	0.692	0.000	2.0	135.436	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.755	27.012	27.594	0.582	2.3	0.659	0.000	2.3	150.388	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.755	27.012	27.600	0.588	1.5	0.665	0.000	1.5	150.589	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.755	27.012	27.579	0.567	1.9	0.641	0.000	1.9	162.775	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.755	27.012	27.574	0.562	1.2	0.635	0.000	1.2	162.717	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.755	27.012	27.561	0.549	1.6	0.621	0.000	1.6	173.239	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.755	27.012	27.543	0.531	1.0	0.601	0.000	1.0	173.415	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.755	27.012	27.545	0.533	1.4	0.603	0.000	1.4	183.608	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.755	27.012	27.513	0.501	0.9	0.567	0.000	0.9	183.328	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.755	27.012	27.532	0.520	1.3	0.588	0.000	1.3	192.693	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.755	27.012	27.483	0.471	0.8	0.533	0.000	0.8	192.791	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S06 - 5 : Rank By: Max. Depth

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
FEH: 200 years: +45 %: 15 mins: Summer	28.888	27.629	28.084	0.455	147.6	0.129	0.000	143.8	71.518	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.888	27.629	28.023	0.394	133.5	0.112	0.000	129.9	71.507	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.888	27.629	27.886	0.257	109.4	0.073	0.000	109.4	94.772	OK
FEH: 200 years: +45 %: 30 mins: Winter	28.888	27.629	27.871	0.242	102.7	0.068	0.000	102.7	94.766	OK
FEH: 200 years: +45 %: 60 mins: Summer	28.888	27.629	27.857	0.228	95.6	0.064	0.000	95.6	119.440	OK
FEH: 200 years: +45 %: 60 mins: Winter	28.888	27.629	27.823	0.194	76.9	0.055	0.000	76.9	119.434	OK
FEH: 200 years: +45 %: 120 mins: Summer	28.888	27.629	27.803	0.174	65.5	0.049	0.000	65.5	137.951	OK
FEH: 200 years: +45 %: 120 mins: Winter	28.888	27.629	27.770	0.141	47.1	0.040	0.000	47.1	137.950	OK

FEH: 200 years: +45 %: 180 mins: Summer	28.888	27.629	27.777	0.147	50.5	0.042	0.000	50.5	150.850	OK
FEH: 200 years: +45 %: 180 mins: Winter	28.888	27.629	27.747	0.118	34.8	0.033	0.000	34.8	150.833	OK
FEH: 200 years: +45 %: 240 mins: Summer	28.888	27.629	27.760	0.131	41.7	0.037	0.000	41.7	161.105	OK
FEH: 200 years: +45 %: 240 mins: Winter	28.888	27.629	27.734	0.104	28.1	0.030	0.000	28.1	161.141	OK
FEH: 200 years: +45 %: 360 mins: Summer	28.888	27.629	27.740	0.111	31.4	0.032	0.000	31.4	177.647	OK
FEH: 200 years: +45 %: 360 mins: Winter	28.888	27.629	27.717	0.088	20.7	0.025	0.000	20.7	177.641	OK
FEH: 200 years: +45 %: 480 mins: Summer	28.888	27.629	27.729	0.100	25.9	0.028	0.000	25.9	190.829	OK
FEH: 200 years: +45 %: 480 mins: Winter	28.888	27.629	27.708	0.079	16.7	0.022	0.000	16.7	190.847	OK
FEH: 200 years: +45 %: 600 mins: Summer	28.888	27.629	27.720	0.091	22.0	0.026	0.000	22.0	201.953	OK
FEH: 200 years: +45 %: 600 mins: Winter	28.888	27.629	27.701	0.072	14.2	0.020	0.000	14.2	202.025	OK

FEH: 200 years: +45 %: 720 mins: Summer	28.888	27.629	27.714	0.085	19.2	0.024	0.000	19.2	211.799	OK
FEH: 200 years: +45 %: 720 mins: Winter	28.888	27.629	27.696	0.067	12.4	0.019	0.000	12.4	211.763	OK
FEH: 200 years: +45 %: 960 mins: Summer	28.888	27.629	27.705	0.075	15.5	0.021	0.000	15.5	228.324	OK
FEH: 200 years: +45 %: 960 mins: Winter	28.888	27.629	27.689	0.060	10.0	0.017	0.000	10.0	228.365	OK
FEH: 200 years: +45 %: 1440 mins: Summer	28.888	27.629	27.694	0.064	11.5	0.018	0.000	11.5	254.242	OK
FEH: 200 years: +45 %: 1440 mins: Winter	28.888	27.629	27.680	0.051	7.4	0.015	0.000	7.4	254.079	OK
FEH: 200 years: +45 %: 2160 mins: Summer	28.888	27.629	27.684	0.055	8.5	0.016	0.000	8.5	282.417	OK
FEH: 200 years: +45 %: 2160 mins: Winter	28.888	27.629	27.673	0.044	5.5	0.012	0.000	5.5	282.410	OK
FEH: 200 years: +45 %: 2880 mins: Summer	28.888	27.629	27.679	0.049	6.9	0.014	0.000	6.9	304.076	OK
FEH: 200 years: +45 %: 2880 mins: Winter	28.888	27.629	27.669	0.040	4.4	0.011	0.000	4.4	304.083	OK

FEH: 200 years: +45 %: 4320 mins: Summer	28.888	27.629	27.672	0.043	5.1	0.012	0.000	5.1	337.838	OK
FEH: 200 years: +45 %: 4320 mins: Winter	28.888	27.629	27.663	0.034	3.3	0.010	0.000	3.3	338.049	OK
FEH: 200 years: +45 %: 5760 mins: Summer	28.888	27.629	27.667	0.038	4.2	0.011	0.000	4.2	365.829	OK
FEH: 200 years: +45 %: 5760 mins: Winter	28.888	27.629	27.660	0.031	2.7	0.009	0.000	2.7	365.334	OK
FEH: 200 years: +45 %: 7200 mins: Summer	28.888	27.629	27.664	0.035	3.5	0.010	0.000	3.5	388.954	OK
FEH: 200 years: +45 %: 7200 mins: Winter	28.888	27.629	27.658	0.029	2.3	0.008	0.000	2.3	389.952	OK
FEH: 200 years: +45 %: 8640 mins: Summer	28.888	27.629	27.662	0.033	3.1	0.009	0.000	3.1	411.539	OK
FEH: 200 years: +45 %: 8640 mins: Winter	28.888	27.629	27.656	0.027	2.0	0.008	0.000	2.0	411.336	OK
FEH: 200 years: +45 %: 10080 mins: Summer	28.888	27.629	27.661	0.032	2.8	0.009	0.000	2.8	432.798	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.888	27.629	27.655	0.026	1.8	0.007	0.000	1.8	431.711	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S14 - 5: Rank By: Max. Depth

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
FEH: 200 years: +45 %: 15 mins: Summer	27.850	27.250	27.873	0.623	107.4	23.277	23.155	89.6	27.942	Flood
FEH: 200 years: +45 %: 15 mins: Winter	27.850	27.250	27.871	0.621	97.8	21.264	21.143	89.2	25.707	Flood
FEH: 200 years: +45 %: 30 mins: Summer	27.850	27.250	27.868	0.618	51.5	17.608	17.486	61.2	25.253	Flood
FEH: 200 years: +45 %: 30 mins: Winter	27.850	27.250	27.864	0.614	42.3	14.485	14.364	54.5	21.424	Flood
FEH: 200 years: +45 %: 60 mins: Summer	27.850	27.250	27.861	0.611	32.2	10.898	10.776	48.6	18.788	Flood
FEH: 200 years: +45 %: 60 mins: Winter	27.850	27.250	27.850	0.600	5.3	0.381	0.259	6.8	8.476	Flood
FEH: 200 years: +45 %: 120 mins: Summer	27.850	27.250	27.624	0.374	4.5	0.076	0.000	6.8	9.645	Flood Risk
FEH: 200 years: +45 %: 120 mins: Winter	27.850	27.250	27.285	0.035	3.2	0.007	0.000	3.2	9.499	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 180 mins: Summer	27.850	27.250	27.344	0.094	3.5	0.019	0.000	3.4	10.387	OK
FEH: 200 years: +45 %: 180 mins: Winter	27.850	27.250	27.280	0.030	2.4	0.006	0.000	2.4	10.384	OK
FEH: 200 years: +45 %: 240 mins: Summer	27.850	27.250	27.282	0.032	2.9	0.006	0.000	2.9	11.084	OK
FEH: 200 years: +45 %: 240 mins: Winter	27.850	27.250	27.278	0.028	1.9	0.006	0.000	1.9	11.088	OK
FEH: 200 years: +45 %: 360 mins: Summer	27.850	27.250	27.298	0.048	2.2	0.010	0.000	2.2	12.340	OK
FEH: 200 years: +45 %: 360 mins: Winter	27.850	27.250	27.298	0.048	1.4	0.010	0.000	1.4	12.216	OK
FEH: 200 years: +45 %: 480 mins: Summer	27.850	27.250	27.357	0.107	1.8	0.022	0.000	1.8	13.220	OK
FEH: 200 years: +45 %: 480 mins: Winter	27.850	27.250	27.358	0.108	1.1	0.022	0.000	1.1	13.095	OK
FEH: 200 years: +45 %: 600 mins: Summer	27.850	27.250	27.403	0.153	1.5	0.031	0.000	1.5	13.862	OK
FEH: 200 years: +45 %: 600 mins: Winter	27.850	27.250	27.406	0.156	1.0	0.032	0.000	1.0	13.759	OK

FEH: 200 years: +45 %: 720 mins: Summer	27.850	27.250	27.442	0.192	1.3	0.039	0.000	1.3	14.425	OK
FEH: 200 years: +45 %: 720 mins: Winter	27.850	27.250	27.444	0.194	0.9	0.039	0.000	0.8	14.419	OK
FEH: 200 years: +45 %: 960 mins: Summer	27.850	27.250	27.499	0.249	1.1	0.050	0.000	1.1	15.583	OK
FEH: 200 years: +45 %: 960 mins: Winter	27.850	27.250	27.503	0.253	0.7	0.051	0.000	0.7	15.531	OK
FEH: 200 years: +45 %: 1440 mins: Summer	27.850	27.250	27.567	0.317	0.8	0.064	0.000	0.8	17.441	Flood Risk
FEH: 200 years: +45 %: 1440 mins: Winter	27.850	27.250	27.574	0.324	0.5	0.066	0.000	0.5	17.436	Flood Risk
FEH: 200 years: +45 %: 2160 mins: Summer	27.850	27.250	27.604	0.354	0.6	0.072	0.000	0.6	19.445	Flood Risk
FEH: 200 years: +45 %: 2160 mins: Winter	27.850	27.250	27.617	0.367	0.4	0.075	0.000	0.4	19.429	Flood Risk
FEH: 200 years: +45 %: 2880 mins: Summer	27.850	27.250	27.607	0.357	0.5	0.072	0.000	0.5	20.832	Flood Risk
FEH: 200 years: +45 %: 2880 mins: Winter	27.850	27.250	27.624	0.374	0.3	0.076	0.000	0.3	20.848	Flood Risk

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 4320 mins: Summer	27.850	27.250	27.594	0.344	0.3	0.070	0.000	0.4	23.139	Flood Risk
FEH: 200 years: +45 %: 4320 mins: Winter	27.850	27.250	27.600	0.350	0.2	0.071	0.000	0.2	23.245	Flood Risk
FEH: 200 years: +45 %: 5760 mins: Summer	27.850	27.250	27.579	0.329	0.3	0.067	0.000	0.3	25.161	Flood Risk
FEH: 200 years: +45 %: 5760 mins: Winter	27.850	27.250	27.574	0.324	0.2	0.066	0.000	0.2	24.834	Flood Risk
FEH: 200 years: +45 %: 7200 mins: Summer	27.850	27.250	27.561	0.311	0.2	0.063	0.000	0.2	26.547	Flood Risk
FEH: 200 years: +45 %: 7200 mins: Winter	27.850	27.250	27.543	0.293	0.2	0.060	0.000	0.2	26.891	OK
FEH: 200 years: +45 %: 8640 mins: Summer	27.850	27.250	27.545	0.295	0.2	0.060	0.000	0.2	28.112	OK
FEH: 200 years: +45 %: 8640 mins: Winter	27.850	27.250	27.513	0.263	0.1	0.053	0.000	0.1	28.096	OK
FEH: 200 years: +45 %: 10080 mins: Summer	27.850	27.250	27.532	0.282	0.2	0.057	0.000	0.2	29.898	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	27.850	27.250	27.483	0.233	0.1	0.047	0.000	0.1	29.404	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for EX : Rank By: Max. Depth

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
FEH: 200 years: +45 %: 15 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	2.970	OK
FEH: 200 years: +45 %: 15 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	2.996	OK
FEH: 200 years: +45 %: 30 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	6.181	OK
FEH: 200 years: +45 %: 30 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	6.215	OK
FEH: 200 years: +45 %: 60 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	12.175	OK
FEH: 200 years: +45 %: 60 mins: Winter	28.200	26.201	26.237	0.037	2.3	0.000	0.000	2.3	12.234	OK
FEH: 200 years: +45 %: 120 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	25.939	OK
FEH: 200 years: +45 %: 120 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	26.027	OK

FEH: 200 years: +45 %: 180 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	40.388	OK
FEH: 200 years: +45 %: 180 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	40.444	OK
FEH: 200 years: +45 %: 240 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	55.288	OK
FEH: 200 years: +45 %: 240 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	55.297	OK
FEH: 200 years: +45 %: 360 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	85.933	OK
FEH: 200 years: +45 %: 360 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	85.813	OK
FEH: 200 years: +45 %: 480 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	117.253	OK
FEH: 200 years: +45 %: 480 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	116.997	OK
FEH: 200 years: +45 %: 600 mins: Summer	28.200	26.201	26.238	0.037	2.4	0.000	0.000	2.4	149.089	OK
FEH: 200 years: +45 %: 600 mins: Winter	28.200	26.201	26.238	0.037	2.4	0.000	0.000	2.4	148.673	OK

FEH: 200 years: +45 %: 720 mins: Summer	28.200	26.201	26.239	0.038	2.4	0.000	0.000	2.4	181.133	OK
FEH: 200 years: +45 %: 720 mins: Winter	28.200	26.201	26.239	0.038	2.4	0.000	0.000	2.4	180.526	OK
FEH: 200 years: +45 %: 960 mins: Summer	28.200	26.201	26.239	0.038	2.5	0.000	0.000	2.5	245.648	OK
FEH: 200 years: +45 %: 960 mins: Winter	28.200	26.201	26.239	0.038	2.5	0.000	0.000	2.5	244.739	OK
FEH: 200 years: +45 %: 1440 mins: Summer	28.200	26.201	26.239	0.039	2.5	0.000	0.000	2.5	374.003	OK
FEH: 200 years: +45 %: 1440 mins: Winter	28.200	26.201	26.239	0.039	2.5	0.000	0.000	2.5	372.481	OK
FEH: 200 years: +45 %: 2160 mins: Summer	28.200	26.201	26.240	0.039	2.5	0.000	0.000	2.5	560.111	OK
FEH: 200 years: +45 %: 2160 mins: Winter	28.200	26.201	26.240	0.039	2.6	0.000	0.000	2.6	558.045	OK
FEH: 200 years: +45 %: 2880 mins: Summer	28.200	26.201	26.240	0.039	2.5	0.000	0.000	2.5	735.707	OK
FEH: 200 years: +45 %: 2880 mins: Winter	28.200	26.201	26.240	0.039	2.6	0.000	0.000	2.6	733.335	OK

FEH: 200 years: +45 %: 4320 mins: Summer	28.200	26.201	26.240	0.039	2.5	0.000	0.000	2.5	1073.707	OK
FEH: 200 years: +45 %: 4320 mins: Winter	28.200	26.201	26.240	0.039	2.5	0.000	0.000	2.5	1071.411	OK
FEH: 200 years: +45 %: 5760 mins: Summer	28.200	26.201	26.240	0.039	2.5	0.000	0.000	2.5	1414.610	OK
FEH: 200 years: +45 %: 5760 mins: Winter	28.200	26.201	26.239	0.039	2.5	0.000	0.000	2.5	1413.576	OK
FEH: 200 years: +45 %: 7200 mins: Summer	28.200	26.201	26.239	0.039	2.5	0.000	0.000	2.5	1562.943	OK
FEH: 200 years: +45 %: 7200 mins: Winter	28.200	26.201	26.239	0.038	2.5	0.000	0.000	2.5	1564.551	OK
FEH: 200 years: +45 %: 8640 mins: Summer	28.200	26.201	26.239	0.038	2.5	0.000	0.000	2.5	1656.186	OK
FEH: 200 years: +45 %: 8640 mins: Winter	28.200	26.201	26.239	0.038	2.5	0.000	0.000	2.5	1656.806	OK
FEH: 200 years: +45 %: 10080 mins: Summer	28.200	26.201	26.239	0.038	2.5	0.000	0.000	2.5	1741.776	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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FEH: 200 years: +45 %: 10080 mins: Winter	28.200	26.201	26.239	0.038	2.4	0.000	0.000	2.4	1740.162	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S03-5: Rank By: Max. Depth

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
FEH: 200 years: +45 %: 15 mins: Summer	28.711	26.695	27.453	0.758	230.9	4.342	0.000	220.6	152.820	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.711	26.695	27.418	0.723	221.3	4.140	0.000	212.7	152.777	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.711	26.695	27.293	0.598	182.4	3.422	0.000	182.4	201.127	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	28.711	26.695	27.274	0.579	177.3	3.315	0.000	177.1	201.129	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	28.711	26.695	27.257	0.562	173.0	3.216	0.000	172.2	251.480	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	28.711	26.695	27.226	0.531	163.2	3.042	0.000	163.2	251.328	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	28.711	26.695	27.156	0.461	140.0	2.640	0.000	140.0	288.133	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	28.711	26.695	27.097	0.402	100.5	2.301	0.000	100.4	288.104	Surcharged

FEH: 200 years: +45 %: 180 mins: Summer	28.711	26.695	27.165	0.470	107.8	2.690	0.000	107.8	314.513	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	28.711	26.695	27.165	0.470	74.4	2.691	0.000	74.3	313.993	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	28.711	26.695	27.217	0.522	89.1	2.990	0.000	89.0	335.586	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	28.711	26.695	27.218	0.523	60.0	2.993	0.000	60.0	334.975	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	28.711	26.695	27.297	0.602	67.2	3.450	0.000	67.1	369.712	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	28.711	26.695	27.298	0.603	44.3	3.455	0.000	44.3	369.278	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	28.711	26.695	27.357	0.662	55.4	3.790	0.000	55.4	397.304	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	28.711	26.695	27.358	0.663	35.7	3.798	0.000	35.7	397.022	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	28.711	26.695	27.403	0.708	46.7	4.056	0.000	46.3	420.690	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	28.711	26.695	27.406	0.711	30.2	4.069	0.000	29.8	420.555	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	28.711	26.695	27.442	0.747	40.7	4.275	0.000	40.0	441.258	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.711	26.695	27.444	0.749	26.3	4.289	0.000	25.8	441.257	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.711	26.695	27.499	0.804	32.8	4.601	0.000	32.2	476.760	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.711	26.695	27.503	0.808	21.0	4.625	0.000	20.5	476.672	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.711	26.695	27.567	0.872	23.9	4.993	0.000	23.4	532.717	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.711	26.695	27.574	0.879	15.4	5.032	0.000	15.1	532.675	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.711	26.695	27.604	0.909	17.7	5.206	0.000	17.3	595.131	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.711	26.695	27.617	0.922	11.4	5.281	0.000	11.2	595.032	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.711	26.695	27.607	0.912	14.2	5.220	0.000	14.0	645.364	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.711	26.695	27.624	0.929	9.2	5.318	0.000	9.0	644.927	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.711	26.695	27.594	0.899	10.6	5.150	0.000	10.4	722.843	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.711	26.695	27.600	0.905	6.8	5.182	0.000	6.7	722.881	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.711	26.695	27.579	0.884	8.6	5.059	0.000	8.4	781.700	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.711	26.695	27.574	0.879	5.5	5.030	0.000	5.4	781.825	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.711	26.695	27.561	0.866	7.3	4.958	0.000	7.2	833.063	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.711	26.695	27.543	0.848	4.7	4.858	0.000	4.7	833.416	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.711	26.695	27.545	0.850	6.4	4.868	0.000	6.3	880.615	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.711	26.695	27.513	0.818	4.2	4.684	0.000	4.1	880.997	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.711	26.695	27.532	0.837	5.8	4.791	0.000	5.7	925.922	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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FEH: 200 years: +45 %: 10080 mins: Winter	28.711	26.695	27.483	0.788	3.8	4.513	0.000	3.7	925.177	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S08-5: Rank By: Max. Depth

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
FEH: 200 years: +45 %: 15 mins: Summer	28.888	28.285	28.328	0.043	6.5	0.012	0.000	6.2	2.839	OK
FEH: 200 years: +45 %: 15 mins: Winter	28.888	28.285	28.327	0.042	6.1	0.012	0.000	5.8	2.828	OK
FEH: 200 years: +45 %: 30 mins: Summer	28.888	28.285	28.321	0.036	4.3	0.010	0.000	4.3	3.750	OK
FEH: 200 years: +45 %: 30 mins: Winter	28.888	28.285	28.320	0.035	4.1	0.010	0.000	4.1	3.750	OK
FEH: 200 years: +45 %: 60 mins: Summer	28.888	28.285	28.319	0.034	3.8	0.010	0.000	3.8	4.728	OK
FEH: 200 years: +45 %: 60 mins: Winter	28.888	28.285	28.316	0.031	3.0	0.009	0.000	3.0	4.728	OK
FEH: 200 years: +45 %: 120 mins: Summer	28.888	28.285	28.313	0.028	2.6	0.008	0.000	2.6	5.460	OK
FEH: 200 years: +45 %: 120 mins: Winter	28.888	28.285	28.309	0.024	1.9	0.007	0.000	1.9	5.460	OK

FEH: 200 years: +45 %: 180 mins: Summer	28.888	28.285	28.310	0.025	2.0	0.007	0.000	2.0	5.964	OK
FEH: 200 years: +45 %: 180 mins: Winter	28.888	28.285	28.306	0.021	1.4	0.006	0.000	1.4	5.964	OK
FEH: 200 years: +45 %: 240 mins: Summer	28.888	28.285	28.308	0.023	1.6	0.006	0.000	1.6	6.372	OK
FEH: 200 years: +45 %: 240 mins: Winter	28.888	28.285	28.304	0.019	1.1	0.005	0.000	1.1	6.384	OK
FEH: 200 years: +45 %: 360 mins: Summer	28.888	28.285	28.305	0.020	1.2	0.006	0.000	1.2	7.026	OK
FEH: 200 years: +45 %: 360 mins: Winter	28.888	28.285	28.302	0.017	0.8	0.005	0.000	0.8	7.032	OK
FEH: 200 years: +45 %: 480 mins: Summer	28.888	28.285	28.303	0.018	1.0	0.005	0.000	1.0	7.548	OK
FEH: 200 years: +45 %: 480 mins: Winter	28.888	28.285	28.300	0.015	0.7	0.004	0.000	0.7	7.548	OK
FEH: 200 years: +45 %: 600 mins: Summer	28.888	28.285	28.302	0.017	0.9	0.005	0.000	0.9	7.986	OK
FEH: 200 years: +45 %: 600 mins: Winter	28.888	28.285	28.299	0.014	0.6	0.004	0.000	0.6	7.992	OK

FEH: 200 years: +45 %: 720 mins: Summer	28.888	28.285	28.301	0.016	0.8	0.005	0.000	0.8	8.376	OK
FEH: 200 years: +45 %: 720 mins: Winter	28.888	28.285	28.298	0.013	0.5	0.004	0.000	0.5	8.394	OK
FEH: 200 years: +45 %: 960 mins: Summer	28.888	28.285	28.299	0.014	0.6	0.004	0.000	0.6	9.006	OK
FEH: 200 years: +45 %: 960 mins: Winter	28.888	28.285	28.297	0.012	0.4	0.003	0.000	0.4	9.018	OK
FEH: 200 years: +45 %: 1440 mins: Summer	28.888	28.285	28.298	0.013	0.5	0.004	0.000	0.5	10.068	OK
FEH: 200 years: +45 %: 1440 mins: Winter	28.888	28.285	28.295	0.010	0.3	0.003	0.000	0.3	9.996	OK
FEH: 200 years: +45 %: 2160 mins: Summer	28.888	28.285	28.296	0.011	0.3	0.003	0.000	0.3	11.202	OK
FEH: 200 years: +45 %: 2160 mins: Winter	28.888	28.285	28.294	0.009	0.2	0.003	0.000	0.2	11.220	OK
FEH: 200 years: +45 %: 2880 mins: Summer	28.888	28.285	28.295	0.010	0.3	0.003	0.000	0.3	12.024	OK
FEH: 200 years: +45 %: 2880 mins: Winter	28.888	28.285	28.293	0.008	0.2	0.002	0.000	0.2	12.030	OK

FEH: 200 years: +45 %: 4320 mins: Summer	28.888	28.285	28.294	0.009	0.2	0.002	0.000	0.2	13.470	OK
FEH: 200 years: +45 %: 4320 mins: Winter	28.888	28.285	28.292	0.007	0.1	0.002	0.000	0.1	13.314	OK
FEH: 200 years: +45 %: 5760 mins: Summer	28.888	28.285	28.293	0.008	0.2	0.002	0.000	0.2	14.580	OK
FEH: 200 years: +45 %: 5760 mins: Winter	28.888	28.285	28.291	0.006	0.1	0.002	0.000	0.1	14.586	OK
FEH: 200 years: +45 %: 7200 mins: Summer	28.888	28.285	28.292	0.007	0.1	0.002	0.000	0.1	15.204	OK
FEH: 200 years: +45 %: 7200 mins: Winter	28.888	28.285	28.290	0.005	0.1	0.002	0.000	0.1	15.732	OK
FEH: 200 years: +45 %: 8640 mins: Summer	28.888	28.285	28.292	0.007	0.1	0.002	0.000	0.1	15.978	OK
FEH: 200 years: +45 %: 8640 mins: Winter	28.888	28.285	28.290	0.005	0.1	0.001	0.000	0.1	16.074	OK
FEH: 200 years: +45 %: 10080 mins: Summer	28.888	28.285	28.291	0.006	0.1	0.002	0.000	0.1	16.698	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.888	28.285	28.290	0.005	0.1	0.001	0.000	0.1	16.698	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S11-5: Rank By: Max. Depth

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
FEH: 200 years: +45 %: 15 mins: Summer	28.558	26.758	27.218	0.460	66.8	0.520	0.000	61.5	31.850	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.558	26.758	27.160	0.402	62.1	0.454	0.000	56.6	31.862	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.558	26.758	27.018	0.260	48.7	0.294	0.000	48.5	41.878	OK
FEH: 200 years: +45 %: 30 mins: Winter	28.558	26.758	26.985	0.227	45.7	0.257	0.000	45.6	41.902	OK
FEH: 200 years: +45 %: 60 mins: Summer	28.558	26.758	26.995	0.237	42.6	0.268	0.000	42.5	51.664	OK
FEH: 200 years: +45 %: 60 mins: Winter	28.558	26.758	26.995	0.237	34.2	0.268	0.000	34.2	51.599	OK
FEH: 200 years: +45 %: 120 mins: Summer	28.558	26.758	27.097	0.339	29.1	0.383	0.000	29.2	59.193	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	28.558	26.758	27.097	0.339	21.0	0.383	0.000	21.0	59.170	Surcharged

FEH: 200 years: +45 %: 180 mins: Summer	28.558	26.758	27.164	0.406	22.5	0.460	0.000	22.5	64.692	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	28.558	26.758	27.165	0.407	15.5	0.460	0.000	15.5	64.565	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	28.558	26.758	27.217	0.459	18.6	0.519	0.000	18.6	69.097	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	28.558	26.758	27.218	0.460	12.5	0.520	0.000	12.5	68.972	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	28.558	26.758	27.297	0.539	14.0	0.610	0.000	13.8	76.177	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	28.558	26.758	27.298	0.540	9.2	0.611	0.000	9.2	76.154	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	28.558	26.758	27.357	0.599	11.5	0.677	0.000	11.4	81.946	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	28.558	26.758	27.358	0.600	7.5	0.679	0.000	7.3	81.935	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	28.558	26.758	27.403	0.645	9.8	0.730	0.000	9.0	86.857	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	28.558	26.758	27.406	0.648	6.3	0.732	0.000	6.1	86.861	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	28.558	26.758	27.442	0.684	8.6	0.773	0.000	7.7	91.216	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.558	26.758	27.444	0.686	5.5	0.776	0.000	5.3	91.155	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.558	26.758	27.499	0.741	6.9	0.838	0.000	6.1	98.565	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.558	26.758	27.503	0.745	4.5	0.842	0.000	4.2	98.561	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.558	26.758	27.567	0.809	5.1	0.915	0.000	4.7	110.146	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.558	26.758	27.574	0.816	3.3	0.923	0.000	3.0	110.090	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.558	26.758	27.604	0.846	3.8	0.957	0.000	3.6	123.031	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.558	26.758	27.617	0.859	2.5	0.972	0.000	2.3	122.969	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.558	26.758	27.607	0.849	3.1	0.960	0.000	2.9	133.401	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.558	26.758	27.624	0.866	2.0	0.979	0.000	1.9	133.434	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.558	26.758	27.594	0.836	2.3	0.946	0.000	2.1	150.457	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.558	26.758	27.600	0.842	1.5	0.952	0.000	1.4	150.647	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.558	26.758	27.579	0.821	1.9	0.928	0.000	1.7	162.843	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.558	26.758	27.573	0.815	1.2	0.922	0.000	1.1	162.774	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.558	26.758	27.561	0.803	1.6	0.908	0.000	1.5	173.302	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.558	26.758	27.543	0.785	1.0	0.888	0.000	1.0	173.469	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.558	26.758	27.545	0.787	1.4	0.890	0.000	1.3	183.668	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.558	26.758	27.513	0.755	0.9	0.854	0.000	0.8	183.379	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.558	26.758	27.532	0.774	1.3	0.875	0.000	1.2	192.750	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.558	26.758	27.483	0.725	0.8	0.820	0.000	0.8	192.839	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S13-5: Rank By: Max. Depth

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
FEH: 200 years: +45 %: 15 mins: Summer	28.754	26.941	27.463	0.522	72.9	0.590	0.000	67.8	31.330	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.754	26.941	27.380	0.439	68.4	0.496	0.000	64.1	31.357	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.754	26.941	27.112	0.171	48.4	0.193	0.000	48.4	41.723	OK
FEH: 200 years: +45 %: 30 mins: Winter	28.754	26.941	27.103	0.162	45.5	0.184	0.000	45.5	41.753	OK
FEH: 200 years: +45 %: 60 mins: Summer	28.754	26.941	27.095	0.154	42.3	0.174	0.000	42.3	52.631	OK
FEH: 200 years: +45 %: 60 mins: Winter	28.754	26.941	27.073	0.132	34.0	0.149	0.000	34.0	52.618	OK
FEH: 200 years: +45 %: 120 mins: Summer	28.754	26.941	27.097	0.156	29.0	0.176	0.000	29.0	60.545	OK
FEH: 200 years: +45 %: 120 mins: Winter	28.754	26.941	27.097	0.156	20.9	0.176	0.000	20.9	60.539	OK

FEH: 200 years: +45 %: 180 mins: Summer	28.754	26.941	27.164	0.223	22.4	0.253	0.000	22.4	66.089	OK
FEH: 200 years: +45 %: 180 mins: Winter	28.754	26.941	27.165	0.224	15.4	0.253	0.000	15.4	66.108	OK
FEH: 200 years: +45 %: 240 mins: Summer	28.754	26.941	27.217	0.276	18.5	0.312	0.000	18.5	70.581	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	28.754	26.941	27.218	0.277	12.4	0.313	0.000	12.4	70.614	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	28.754	26.941	27.297	0.356	13.9	0.403	0.000	13.9	77.853	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	28.754	26.941	27.298	0.357	9.2	0.404	0.000	9.2	77.862	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	28.754	26.941	27.357	0.416	11.5	0.470	0.000	11.5	83.683	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	28.754	26.941	27.358	0.417	7.4	0.472	0.000	7.4	83.711	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	28.754	26.941	27.403	0.462	9.7	0.523	0.000	9.7	88.622	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	28.754	26.941	27.406	0.465	6.3	0.526	0.000	6.3	88.647	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	28.754	26.941	27.441	0.500	8.5	0.566	0.000	8.5	92.975	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.754	26.941	27.444	0.503	5.5	0.569	0.000	5.5	92.956	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.754	26.941	27.498	0.557	6.9	0.631	0.000	6.9	100.286	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.754	26.941	27.503	0.562	4.4	0.635	0.000	4.4	100.319	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.754	26.941	27.567	0.626	5.1	0.708	0.000	5.1	111.836	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.754	26.941	27.574	0.633	3.3	0.716	0.000	3.3	111.780	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.754	26.941	27.604	0.663	3.8	0.750	0.000	3.8	124.475	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.754	26.941	27.617	0.676	2.4	0.765	0.000	2.4	124.500	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.754	26.941	27.607	0.666	3.1	0.753	0.000	3.1	134.490	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.754	26.941	27.624	0.683	2.0	0.772	0.000	2.0	134.486	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.754	26.941	27.594	0.653	2.3	0.739	0.000	2.3	149.605	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.754	26.941	27.600	0.659	1.5	0.745	0.000	1.4	149.704	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.754	26.941	27.579	0.638	1.8	0.721	0.000	1.8	161.808	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.754	26.941	27.573	0.632	1.2	0.715	0.000	1.2	161.898	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.754	26.941	27.561	0.620	1.6	0.701	0.000	1.6	172.534	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.754	26.941	27.543	0.602	1.0	0.681	0.000	1.0	172.621	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.754	26.941	27.545	0.604	1.4	0.683	0.000	1.4	182.052	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.754	26.941	27.513	0.572	0.9	0.647	0.000	0.9	182.768	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.754	26.941	27.532	0.591	1.2	0.668	0.000	1.2	191.478	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.754	26.941	27.483	0.542	0.8	0.613	0.000	0.8	191.595	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S10-5: Rank By: Max. Depth

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
FEH: 200 years: +45 %: 15 mins: Summer	28.560	26.606	27.031	0.425	61.5	0.481	0.000	58.3	31.138	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.560	26.606	26.997	0.391	56.6	0.442	0.000	52.5	31.150	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.560	26.606	26.924	0.318	48.5	0.360	0.000	48.4	39.862	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	28.560	26.606	26.901	0.296	45.6	0.335	0.000	45.5	39.900	OK
FEH: 200 years: +45 %: 60 mins: Summer	28.560	26.606	26.995	0.389	42.5	0.440	0.000	42.5	48.843	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	28.560	26.606	26.995	0.389	34.2	0.440	0.000	34.2	48.717	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	28.560	26.606	27.096	0.491	29.2	0.555	0.000	29.2	56.006	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	28.560	26.606	27.097	0.491	21.0	0.555	0.000	20.2	55.977	Surcharged

FEH: 200 years: +45 %: 180 mins: Summer	28.560	26.606	27.164	0.559	22.5	0.632	0.000	20.9	61.441	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	28.560	26.606	27.165	0.559	15.5	0.632	0.000	14.1	61.280	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	28.560	26.606	27.217	0.611	18.6	0.691	0.000	16.4	65.787	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	28.560	26.606	27.217	0.612	12.5	0.692	0.000	11.2	65.634	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	28.560	26.606	27.297	0.692	13.8	0.782	0.000	12.0	72.776	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	28.560	26.606	27.298	0.692	9.2	0.783	0.000	8.0	72.756	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	28.560	26.606	27.357	0.751	11.4	0.849	0.000	9.8	78.504	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	28.560	26.606	27.358	0.752	7.3	0.851	0.000	6.3	78.499	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	28.560	26.606	27.403	0.798	9.0	0.902	0.000	7.8	83.395	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	28.560	26.606	27.405	0.800	6.1	0.904	0.000	5.3	83.404	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	28.560	26.606	27.441	0.836	7.7	0.945	0.000	6.8	87.740	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.560	26.606	27.444	0.838	5.3	0.948	0.000	4.6	87.688	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.560	26.606	27.498	0.893	6.1	1.010	0.000	5.7	95.092	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.560	26.606	27.502	0.897	4.2	1.014	0.000	3.8	95.094	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.560	26.606	27.567	0.961	4.7	1.087	0.000	4.6	106.726	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.560	26.606	27.573	0.968	3.0	1.095	0.000	2.9	106.675	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.560	26.606	27.604	0.998	3.6	1.129	0.000	3.5	119.754	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.560	26.606	27.617	1.011	2.3	1.144	0.000	2.2	119.695	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.560	26.606	27.606	1.001	2.9	1.132	0.000	2.8	130.335	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.560	26.606	27.623	1.018	1.9	1.151	0.000	1.8	130.369	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.560	26.606	27.594	0.988	2.1	1.118	0.000	2.1	149.563	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.560	26.606	27.599	0.994	1.4	1.124	0.000	1.4	149.717	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.560	26.606	27.578	0.972	1.7	1.100	0.000	1.7	162.790	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.560	26.606	27.573	0.967	1.1	1.094	0.000	1.1	162.729	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.560	26.606	27.560	0.955	1.5	1.080	0.000	1.4	173.253	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.560	26.606	27.543	0.937	1.0	1.060	0.000	0.9	173.426	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.560	26.606	27.545	0.939	1.3	1.062	0.000	1.3	183.621	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.560	26.606	27.513	0.907	0.8	1.026	0.000	0.8	183.338	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.560	26.606	27.531	0.926	1.2	1.047	0.000	1.2	192.704	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.560	26.606	27.483	0.877	0.8	0.992	0.000	0.7	192.800	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S09-5: Rank By: Max. Depth

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
FEH: 200 years: +45 %: 15 mins: Summer	28.846	26.558	26.968	0.410	126.1	0.464	0.000	123.9	62.313	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.846	26.558	26.943	0.385	116.6	0.436	0.000	114.2	62.319	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.846	26.558	26.885	0.327	96.9	0.370	0.000	96.8	80.257	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	28.846	26.558	26.866	0.308	91.0	0.349	0.000	91.0	80.311	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	28.846	26.558	26.996	0.438	84.8	0.495	0.000	84.8	99.692	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	28.846	26.558	26.996	0.438	68.3	0.495	0.000	68.2	99.549	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	28.846	26.558	27.097	0.539	58.1	0.610	0.000	57.9	114.607	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	28.846	26.558	27.097	0.539	41.0	0.610	0.000	40.7	114.557	Surcharged

FEH: 200 years: +45 %: 180 mins: Summer	28.846	26.558	27.165	0.607	43.1	0.686	0.000	42.6	125.509	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	28.846	26.558	27.165	0.607	29.4	0.687	0.000	28.6	125.367	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	28.846	26.558	27.217	0.659	34.9	0.746	0.000	33.7	134.313	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	28.846	26.558	27.218	0.660	23.6	0.746	0.000	22.7	134.167	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	28.846	26.558	27.298	0.740	25.9	0.836	0.000	24.7	148.488	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	28.846	26.558	27.298	0.740	17.1	0.837	0.000	16.4	148.446	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	28.846	26.558	27.357	0.799	21.3	0.904	0.000	20.3	159.987	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	28.846	26.558	27.358	0.800	13.7	0.905	0.000	13.1	159.990	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	28.846	26.558	27.403	0.846	17.5	0.956	0.000	17.1	169.782	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	28.846	26.558	27.406	0.848	11.4	0.959	0.000	11.0	169.799	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	28.846	26.558	27.442	0.884	15.3	0.999	0.000	15.0	178.456	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.846	26.558	27.444	0.886	9.9	1.002	0.000	9.7	178.373	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.846	26.558	27.499	0.941	12.6	1.064	0.000	12.3	193.109	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.846	26.558	27.503	0.945	8.1	1.068	0.000	8.0	193.129	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.846	26.558	27.567	1.009	9.5	1.141	0.000	9.4	216.323	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.846	26.558	27.574	1.016	6.2	1.149	0.000	6.1	216.205	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.846	26.558	27.604	1.046	7.1	1.183	0.000	7.1	242.113	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.846	26.558	27.617	1.059	4.6	1.198	0.000	4.5	242.068	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.846	26.558	27.607	1.049	5.8	1.186	0.000	5.7	262.875	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.846	26.558	27.624	1.066	3.7	1.205	0.000	3.7	262.896	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.846	26.558	27.594	1.036	4.3	1.172	0.000	4.2	298.480	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.846	26.558	27.600	1.042	2.8	1.178	0.000	2.7	298.701	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.846	26.558	27.578	1.020	3.5	1.154	0.000	3.5	324.597	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.846	26.558	27.573	1.015	2.2	1.149	0.000	2.2	324.622	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.846	26.558	27.561	1.003	3.0	1.134	0.000	2.9	345.785	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.846	26.558	27.543	0.985	1.9	1.114	0.000	1.9	346.042	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.846	26.558	27.545	0.987	2.6	1.116	0.000	2.6	365.670	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.846	26.558	27.513	0.955	1.7	1.080	0.000	1.7	366.100	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.846	26.558	27.532	0.974	2.4	1.101	0.000	2.3	384.179	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.846	26.558	27.483	0.925	1.5	1.046	0.000	1.5	384.388	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S07-5: Rank By: Max. Depth

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
FEH: 200 years: +45 %: 15 mins: Summer	28.888	27.792	28.260	0.468	79.5	0.132	0.000	62.8	34.738	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.888	27.792	28.156	0.364	74.6	0.103	0.000	53.9	34.726	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.888	27.792	28.002	0.210	53.0	0.059	0.000	53.0	45.937	OK
FEH: 200 years: +45 %: 30 mins: Winter	28.888	27.792	27.990	0.198	49.8	0.056	0.000	49.8	45.937	OK
FEH: 200 years: +45 %: 60 mins: Summer	28.888	27.792	27.979	0.187	46.3	0.053	0.000	46.3	57.897	OK
FEH: 200 years: +45 %: 60 mins: Winter	28.888	27.792	27.952	0.160	37.3	0.045	0.000	37.3	57.897	OK
FEH: 200 years: +45 %: 120 mins: Summer	28.888	27.792	27.936	0.144	31.7	0.041	0.000	31.7	66.874	OK
FEH: 200 years: +45 %: 120 mins: Winter	28.888	27.792	27.910	0.118	22.8	0.033	0.000	22.8	66.868	OK

FEH: 200 years: +45 %: 180 mins: Summer	28.888	27.792	27.915	0.123	24.5	0.035	0.000	24.5	73.120	OK
FEH: 200 years: +45 %: 180 mins: Winter	28.888	27.792	27.892	0.100	16.9	0.028	0.000	16.9	73.109	OK
FEH: 200 years: +45 %: 240 mins: Summer	28.888	27.792	27.902	0.110	20.2	0.031	0.000	20.2	78.101	OK
FEH: 200 years: +45 %: 240 mins: Winter	28.888	27.792	27.881	0.089	13.6	0.025	0.000	13.6	78.119	OK
FEH: 200 years: +45 %: 360 mins: Summer	28.888	27.792	27.886	0.094	15.2	0.027	0.000	15.2	86.105	OK
FEH: 200 years: +45 %: 360 mins: Winter	28.888	27.792	27.868	0.076	10.0	0.022	0.000	10.0	86.106	OK
FEH: 200 years: +45 %: 480 mins: Summer	28.888	27.792	27.877	0.085	12.5	0.024	0.000	12.5	92.507	OK
FEH: 200 years: +45 %: 480 mins: Winter	28.888	27.792	27.860	0.068	8.1	0.019	0.000	8.1	92.508	OK
FEH: 200 years: +45 %: 600 mins: Summer	28.888	27.792	27.870	0.078	10.7	0.022	0.000	10.7	97.889	OK
FEH: 200 years: +45 %: 600 mins: Winter	28.888	27.792	27.855	0.063	6.9	0.018	0.000	6.9	97.926	OK

FEH: 200 years: +45 %: 720 mins: Summer	28.888	27.792	27.865	0.073	9.3	0.021	0.000	9.3	102.659	OK
FEH: 200 years: +45 %: 720 mins: Winter	28.888	27.792	27.851	0.059	6.0	0.017	0.000	6.0	102.672	OK
FEH: 200 years: +45 %: 960 mins: Summer	28.888	27.792	27.858	0.066	7.5	0.019	0.000	7.5	110.681	OK
FEH: 200 years: +45 %: 960 mins: Winter	28.888	27.792	27.845	0.053	4.9	0.015	0.000	4.9	110.711	OK
FEH: 200 years: +45 %: 1440 mins: Summer	28.888	27.792	27.849	0.057	5.6	0.016	0.000	5.6	123.233	OK
FEH: 200 years: +45 %: 1440 mins: Winter	28.888	27.792	27.838	0.046	3.6	0.013	0.000	3.6	123.137	OK
FEH: 200 years: +45 %: 2160 mins: Summer	28.888	27.792	27.841	0.049	4.1	0.014	0.000	4.1	136.919	OK
FEH: 200 years: +45 %: 2160 mins: Winter	28.888	27.792	27.831	0.040	2.7	0.011	0.000	2.7	136.889	OK
FEH: 200 years: +45 %: 2880 mins: Summer	28.888	27.792	27.836	0.044	3.3	0.013	0.000	3.3	147.419	OK
FEH: 200 years: +45 %: 2880 mins: Winter	28.888	27.792	27.828	0.036	2.2	0.010	0.000	2.2	147.437	OK

FEH: 200 years: +45 %: 4320 mins: Summer	28.888	27.792	27.830	0.038	2.5	0.011	0.000	2.5	163.859	OK
FEH: 200 years: +45 %: 4320 mins: Winter	28.888	27.792	27.823	0.031	1.6	0.009	0.000	1.6	163.907	OK
FEH: 200 years: +45 %: 5760 mins: Summer	28.888	27.792	27.826	0.035	2.0	0.010	0.000	2.0	177.354	OK
FEH: 200 years: +45 %: 5760 mins: Winter	28.888	27.792	27.820	0.028	1.3	0.008	0.000	1.3	177.245	OK
FEH: 200 years: +45 %: 7200 mins: Summer	28.888	27.792	27.824	0.032	1.7	0.009	0.000	1.7	188.448	OK
FEH: 200 years: +45 %: 7200 mins: Winter	28.888	27.792	27.818	0.026	1.1	0.007	0.000	1.1	189.066	OK
FEH: 200 years: +45 %: 8640 mins: Summer	28.888	27.792	27.822	0.030	1.5	0.009	0.000	1.5	199.296	OK
FEH: 200 years: +45 %: 8640 mins: Winter	28.888	27.792	27.816	0.025	1.0	0.007	0.000	1.0	199.398	OK
FEH: 200 years: +45 %: 10080 mins: Summer	28.888	27.792	27.821	0.029	1.4	0.008	0.000	1.4	209.394	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.888	27.792	27.815	0.023	0.9	0.007	0.000	0.9	209.262	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S01- 5: Rank By: Max. Depth

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S03 - 5: Rank By: Max. Depth

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S02 - 5: Rank By: Max. Depth

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S04- 5: Rank By: Max. Depth

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S12-5: Rank By: Max. Depth

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S06 - 5 : Rank By: Max. Depth

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S14 - 5: Rank By: Max. Depth

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for EX : Rank By: Max. Depth

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S03-5: Rank By: Max. Depth

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S08-5: Rank By: Max. Depth

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S11-5: Rank By: Max. Depth

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S13-5: Rank By: Max. Depth

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S10-5: Rank By: Max. Depth

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S09-5: Rank By: Max. Depth

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S07-5: Rank By: Max. Depth

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Tank: Rank By: Max. Avg. Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Avg. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)
FEH: 2 years: +0 %: 15 mins: Summer	26.379	26.379	26.379	0.109	0.109	0.109	134.2	69.018	0.000	0.000	1.8	2.148	92.249
FEH: 2 years: +0 %: 15 mins: Winter	26.379	26.379	26.379	0.109	0.109	0.109	128.2	69.016	0.000	0.000	1.8	2.148	92.249
FEH: 2 years: +0 %: 30 mins: Summer	26.408	26.408	26.408	0.138	0.138	0.138	105.1	87.925	0.000	0.000	2.0	5.191	90.126
FEH: 2 years: +0 %: 30 mins: Winter	26.408	26.408	26.408	0.138	0.138	0.138	98.6	87.908	0.000	0.000	2.0	5.196	90.127
FEH: 2 years: +0 %: 60 mins: Summer	26.439	26.439	26.439	0.169	0.169	0.169	90.4	107.524	0.000	0.000	2.1	11.417	87.925

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FEH: 2 years: +0 %: 60 mins: Winter	26.439	26.439	26.439	0.169	0.169	0.169	72.7	107.612	0.000	0.000	2.1	11.453	87.915
FEH: 2 years: +0 %: 120 mins: Summer	26.483	26.483	26.483	0.213	0.213	0.213	69.2	135.528	0.000	0.000	2.2	24.649	84.780
FEH: 2 years: +0 %: 120 mins: Winter	26.483	26.483	26.483	0.213	0.213	0.213	49.8	135.547	0.000	0.000	2.2	24.781	84.777
FEH: 2 years: +0 %: 180 mins: Summer	26.509	26.509	26.509	0.239	0.239	0.239	56.1	151.880	0.000	0.000	2.2	38.084	82.943
FEH: 2 years: +0 %: 180 mins: Winter	26.509	26.509	26.509	0.239	0.239	0.239	38.7	151.850	0.000	0.000	2.2	38.318	82.946
FEH: 2 years: +0 %: 240 mins: Summer	26.526	26.526	26.526	0.256	0.256	0.256	47.7	162.955	0.000	0.000	2.2	51.623	81.699
FEH: 2 years: +0 %: 240 mins: Winter	26.526	26.526	26.526	0.256	0.256	0.256	32.1	163.078	0.000	0.000	2.2	51.960	81.686
FEH: 2 years: +0 %: 360 mins: Summer	26.548	26.548	26.548	0.278	0.278	0.278	37.0	177.022	0.000	0.000	2.3	78.729	80.120

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FEH: 2 years: +0 %: 360 mins: Winter	26.549	26.549	26.549	0.279	0.279	0.279	24.4	177.349	0.000	0.000	2.3	79.265	80.083
FEH: 2 years: +0 %: 480 mins: Summer	26.562	26.562	26.562	0.292	0.292	0.292	31.0	185.513	0.000	0.000	2.3	105.739	79.166
FEH: 2 years: +0 %: 480 mins: Winter	26.562	26.562	26.562	0.292	0.292	0.292	20.1	185.886	0.000	0.000	2.3	106.458	79.124
FEH: 2 years: +0 %: 600 mins: Summer	26.570	26.570	26.570	0.300	0.300	0.300	26.6	190.495	0.000	0.000	2.3	132.542	78.607
FEH: 2 years: +0 %: 600 mins: Winter	26.571	26.571	26.571	0.301	0.301	0.301	17.2	191.136	0.000	0.000	2.3	133.426	78.535
FEH: 2 years: +0 %: 720 mins: Summer	26.575	26.575	26.575	0.305	0.305	0.305	23.4	193.963	0.000	0.000	2.3	158.893	78.217
FEH: 2 years: +0 %: 720 mins: Winter	26.576	26.576	26.576	0.306	0.306	0.306	15.1	194.333	0.000	0.000	2.3	159.984	78.175
FEH: 2 years: +0 %: 960 mins: Summer	26.583	26.583	26.583	0.313	0.313	0.313	19.2	198.797	0.000	0.000	2.3	209.541	77.674

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FEH: 2 years: +0 %: 960 mins: Winter	26.580	26.580	26.580	0.310	0.310	0.310	12.4	197.372	0.000	0.000	2.3	210.911	77.834
FEH: 2 years: +0 %: 1440 mins: Summer	26.590	26.590	26.590	0.320	0.320	0.320	14.5	203.584	0.000	0.000	2.3	287.555	77.137
FEH: 2 years: +0 %: 1440 mins: Winter	26.584	26.584	26.584	0.314	0.314	0.314	9.3	199.758	0.000	0.000	2.3	288.498	77.566
FEH: 2 years: +0 %: 2160 mins: Summer	26.591	26.591	26.591	0.321	0.321	0.321	10.9	204.057	0.000	0.000	2.3	351.883	77.083
FEH: 2 years: +0 %: 2160 mins: Winter	26.577	26.577	26.577	0.307	0.307	0.307	7.1	195.378	0.000	0.000	2.3	352.220	78.058
FEH: 2 years: +0 %: 2880 mins: Summer	26.586	26.586	26.586	0.316	0.316	0.316	9.0	200.866	0.000	0.000	2.3	392.951	77.442
FEH: 2 years: +0 %: 2880 mins: Winter	26.564	26.564	26.564	0.294	0.294	0.294	5.8	187.044	0.000	0.000	2.3	393.386	78.994
FEH: 2 years: +0 %: 4320 mins: Summer	26.571	26.571	26.571	0.301	0.301	0.301	6.9	191.718	0.000	0.000	2.3	453.882	78.469

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FEH: 2 years: +0 %: 4320 mins: Winter	26.534	26.534	26.534	0.264	0.264	0.264	4.4	167.852	0.000	0.000	2.3	454.168	81.149
FEH: 2 years: +0 %: 5760 mins: Summer	26.557	26.557	26.557	0.287	0.287	0.287	5.8	182.276	0.000	0.000	2.3	506.805	79.530
FEH: 2 years: +0 %: 5760 mins: Winter	26.506	26.506	26.506	0.236	0.236	0.236	3.7	149.922	0.000	0.000	2.2	504.640	83.163
FEH: 2 years: +0 %: 7200 mins: Summer	26.543	26.543	26.543	0.273	0.273	0.273	5.0	173.338	0.000	0.000	2.3	555.023	80.533
FEH: 2 years: +0 %: 7200 mins: Winter	26.482	26.482	26.482	0.212	0.212	0.212	3.3	134.996	0.000	0.000	2.2	554.288	84.839
FEH: 2 years: +0 %: 8640 mins: Summer	26.529	26.529	26.529	0.259	0.259	0.259	4.5	164.654	0.000	0.000	2.2	599.448	81.509
FEH: 2 years: +0 %: 8640 mins: Winter	26.462	26.462	26.462	0.192	0.192	0.192	2.9	122.001	0.000	0.000	2.1	600.661	86.299
FEH: 2 years: +0 %: 10080 mins: Summer	26.518	26.518	26.518	0.248	0.248	0.248	4.2	157.428	0.000	0.000	2.2	642.548	82.320

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Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 10080 mins: Winter	26.444	26.444	26.444	0.174	0.174	0.174	2.7	110.627	0.000	0.000	2.1	641.871	87.576

Drainage Network Unit 5:	Date:		
Alchemy,Western Plot Network Space Developments	17/07/2026		
	Designed	Checked by:	Approved
	AMG		
Report Details:	Company Address:		
Type: Stormwater Controls Storm Phase: UNIT 5	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

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Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Tank: Rank By: Max. Avg. Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Avg. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)
FEH: 30 years: +0 %: 15 mins: Summer	26.489	26.489	26.489	0.219	0.219	0.219	263.0	139.216	0.000	0.000	2.4	3.015	84.365
FEH: 30 years: +0 %: 15 mins: Winter	26.489	26.489	26.489	0.219	0.219	0.219	249.9	139.184	0.000	0.000	2.4	3.026	84.369
FEH: 30 years: +0 %: 30 mins: Summer	26.555	26.555	26.555	0.285	0.285	0.285	212.7	181.005	0.000	0.000	2.5	6.551	79.672
FEH: 30 years: +0 %: 30 mins: Winter	26.555	26.555	26.555	0.285	0.285	0.285	199.4	180.981	0.000	0.000	2.5	6.577	79.675
FEH: 30 years: +0 %: 60 mins: Summer	26.623	26.623	26.623	0.353	0.353	0.353	184.4	224.628	0.000	0.000	2.5	13.512	74.773

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FEH: 30 years: +0 %: 60 mins: Winter	26.623	26.623	26.623	0.353	0.353	0.353	148.0	224.581	0.000	0.000	2.5	13.602	74.779
FEH: 30 years: +0 %: 120 mins: Summer	26.677	26.677	26.677	0.407	0.407	0.407	128.9	258.830	0.000	0.000	2.4	27.344	70.932
FEH: 30 years: +0 %: 120 mins: Winter	26.677	26.677	26.677	0.407	0.407	0.407	93.0	258.805	0.000	0.000	2.4	27.530	70.935
FEH: 30 years: +0 %: 180 mins: Summer	26.710	26.710	26.710	0.440	0.440	0.440	100.3	279.775	0.000	0.000	2.4	41.146	68.580
FEH: 30 years: +0 %: 180 mins: Winter	26.710	26.710	26.710	0.440	0.440	0.440	69.2	279.777	0.000	0.000	2.4	41.422	68.580
FEH: 30 years: +0 %: 240 mins: Summer	26.733	26.733	26.733	0.463	0.463	0.463	83.1	294.587	0.000	0.000	2.4	54.937	66.916
FEH: 30 years: +0 %: 240 mins: Winter	26.733	26.733	26.733	0.463	0.463	0.463	55.9	294.483	0.000	0.000	2.4	55.298	66.928
FEH: 30 years: +0 %: 360 mins: Summer	26.764	26.764	26.764	0.494	0.494	0.494	62.5	314.288	0.000	0.000	2.4	82.471	64.704

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FEH: 30 years: +0 %: 360 mins: Winter	26.764	26.764	26.764	0.494	0.494	0.494	41.1	314.273	0.000	0.000	2.3	83.004	64.706
FEH: 30 years: +0 %: 480 mins: Summer	26.784	26.784	26.784	0.514	0.514	0.514	51.3	327.102	0.000	0.000	2.4	110.032	63.265
FEH: 30 years: +0 %: 480 mins: Winter	26.785	26.785	26.785	0.515	0.515	0.515	33.2	327.320	0.000	0.000	2.3	110.748	63.240
FEH: 30 years: +0 %: 600 mins: Summer	26.798	26.798	26.798	0.528	0.528	0.528	43.5	335.923	0.000	0.000	2.3	137.641	62.274
FEH: 30 years: +0 %: 600 mins: Winter	26.799	26.799	26.799	0.529	0.529	0.529	28.0	336.189	0.000	0.000	2.3	138.548	62.244
FEH: 30 years: +0 %: 720 mins: Summer	26.808	26.808	26.808	0.538	0.538	0.538	37.9	342.334	0.000	0.000	2.3	165.292	61.554
FEH: 30 years: +0 %: 720 mins: Winter	26.809	26.809	26.809	0.539	0.539	0.539	24.4	342.565	0.000	0.000	2.3	166.408	61.528
FEH: 30 years: +0 %: 960 mins: Summer	26.820	26.820	26.820	0.550	0.550	0.550	30.6	349.800	0.000	0.000	2.3	220.865	60.716

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

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FEH: 30 years: +0 %: 960 mins: Winter	26.821	26.821	26.821	0.551	0.551	0.551	19.7	350.276	0.000	0.000	2.3	222.432	60.662
FEH: 30 years: +0 %: 1440 mins: Summer	26.826	26.826	26.826	0.556	0.556	0.556	22.6	353.782	0.000	0.000	2.3	332.783	60.269
FEH: 30 years: +0 %: 1440 mins: Winter	26.827	26.827	26.827	0.557	0.557	0.557	14.6	354.146	0.000	0.000	2.3	335.388	60.228
FEH: 30 years: +0 %: 2160 mins: Summer	26.825	26.825	26.825	0.555	0.555	0.555	16.8	353.234	0.000	0.000	2.3	492.042	60.330
FEH: 30 years: +0 %: 2160 mins: Winter	26.818	26.818	26.818	0.548	0.548	0.548	10.8	348.676	0.000	0.000	2.3	495.238	60.842
FEH: 30 years: +0 %: 2880 mins: Summer	26.820	26.820	26.820	0.550	0.550	0.550	13.7	349.535	0.000	0.000	2.3	585.451	60.746
FEH: 30 years: +0 %: 2880 mins: Winter	26.806	26.806	26.806	0.536	0.536	0.536	8.8	341.197	0.000	0.000	2.3	586.624	61.682
FEH: 30 years: +0 %: 4320 mins: Summer	26.802	26.802	26.802	0.532	0.532	0.532	10.3	338.671	0.000	0.000	2.3	677.869	61.966

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
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FEH: 30 years: +0 %: 4320 mins: Winter	26.772	26.772	26.772	0.502	0.502	0.502	6.6	319.403	0.000	0.000	2.3	677.706	64.130
FEH: 30 years: +0 %: 5760 mins: Summer	26.784	26.784	26.784	0.514	0.514	0.514	8.5	326.647	0.000	0.000	2.3	744.829	63.316
FEH: 30 years: +0 %: 5760 mins: Winter	26.734	26.734	26.734	0.464	0.464	0.464	5.4	295.108	0.000	0.000	2.3	745.694	66.858
FEH: 30 years: +0 %: 7200 mins: Summer	26.767	26.767	26.767	0.497	0.497	0.497	7.3	315.951	0.000	0.000	2.3	806.157	64.517
FEH: 30 years: +0 %: 7200 mins: Winter	26.699	26.699	26.699	0.429	0.429	0.429	4.7	272.642	0.000	0.000	2.3	806.252	69.381
FEH: 30 years: +0 %: 8640 mins: Summer	26.748	26.748	26.748	0.478	0.478	0.478	6.5	304.047	0.000	0.000	2.3	862.039	65.854
FEH: 30 years: +0 %: 8640 mins: Winter	26.664	26.664	26.664	0.394	0.394	0.394	4.2	250.692	0.000	0.000	2.3	863.412	71.846
FEH: 30 years: +0 %: 10080 mins: Summer	26.733	26.733	26.733	0.463	0.463	0.463	6.0	294.746	0.000	0.000	2.3	919.032	66.899

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Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 10080 mins: Winter	26.634	26.634	26.634	0.364	0.364	0.364	3.9	231.342	0.000	0.000	2.3	918.690	74.019

Drainage Network Unit 5:	Date:		
Alchemy,Western Plot Network Space Developments	17/07/2026		
	Designed	Checked by:	Approved
	AMG		
Report Details:	Company Address:		
Type: Stormwater Controls Storm Phase: UNIT 5	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

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Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Tank: Rank By: Max. Avg. Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Avg. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)
FEH: 30 years: +40 %: 15 mins: Summer	26.578	26.578	26.578	0.308	0.308	0.308	369.2	195.729	0.000	0.000	2.7	3.334	78.019
FEH: 30 years: +40 %: 15 mins: Winter	26.578	26.578	26.578	0.308	0.308	0.308	355.4	195.676	0.000	0.000	2.7	3.354	78.025
FEH: 30 years: +40 %: 30 mins: Summer	26.669	26.669	26.669	0.399	0.399	0.399	299.4	254.036	0.000	0.000	2.8	6.934	71.471
FEH: 30 years: +40 %: 30 mins: Winter	26.669	26.669	26.669	0.399	0.399	0.399	281.0	254.015	0.000	0.000	2.7	6.966	71.473
FEH: 30 years: +40 %: 60 mins: Summer	26.764	26.764	26.764	0.494	0.494	0.494	259.8	314.339	0.000	0.000	2.7	13.776	64.698

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FEH: 30 years: +40 %: 60 mins: Winter	26.764	26.764	26.764	0.494	0.494	0.494	208.5	314.376	0.000	0.000	2.6	13.859	64.694
FEH: 30 years: +40 %: 120 mins: Summer	26.840	26.840	26.840	0.570	0.570	0.570	180.3	362.673	0.000	0.000	2.6	27.037	59.270
FEH: 30 years: +40 %: 120 mins: Winter	26.840	26.840	26.840	0.570	0.570	0.570	130.0	362.634	0.000	0.000	2.5	27.146	59.275
FEH: 30 years: +40 %: 180 mins: Summer	26.888	26.888	26.888	0.618	0.618	0.618	140.0	393.018	0.000	0.000	2.5	39.513	55.862
FEH: 30 years: +40 %: 180 mins: Winter	26.888	26.888	26.888	0.618	0.618	0.618	96.8	392.931	0.000	0.000	2.4	39.541	55.872
FEH: 30 years: +40 %: 240 mins: Summer	26.923	26.923	26.923	0.653	0.653	0.653	116.1	415.431	0.000	0.000	2.5	51.064	53.345
FEH: 30 years: +40 %: 240 mins: Winter	26.923	26.923	26.923	0.653	0.653	0.653	78.2	415.318	0.000	0.000	2.4	51.046	53.358

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FEH: 30 years: +40 %: 360 mins: Summer	26.973	26.973	26.973	0.703	0.703	0.703	87.2	447.266	0.000	0.000	2.4	74.948	49.770
FEH: 30 years: +40 %: 360 mins: Winter	26.973	26.973	26.973	0.703	0.703	0.703	57.3	447.110	0.000	0.000	2.4	75.239	49.787
FEH: 30 years: +40 %: 480 mins: Summer	27.008	27.008	27.008	0.738	0.738	0.738	71.0	469.533	0.000	0.000	2.4	100.736	47.269
FEH: 30 years: +40 %: 480 mins: Winter	27.008	27.008	27.008	0.738	0.738	0.738	45.9	469.488	0.000	0.000	2.3	101.292	47.274
FEH: 30 years: +40 %: 600 mins: Summer	27.034	27.034	27.034	0.764	0.764	0.764	60.0	486.042	0.000	0.000	2.4	127.056	45.415
FEH: 30 years: +40 %: 600 mins: Winter	27.034	27.034	27.034	0.764	0.764	0.764	38.6	486.106	0.000	0.000	2.3	127.677	45.408
FEH: 30 years: +40 %: 720 mins: Summer	27.054	27.054	27.054	0.784	0.784	0.784	52.1	498.805	0.000	0.000	2.4	153.475	43.982

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FEH: 30 years: +40 %: 720 mins: Winter	27.055	27.055	27.055	0.785	0.785	0.785	33.6	499.087	0.000	0.000	2.3	154.163	43.950
FEH: 30 years: +40 %: 960 mins: Summer	27.083	27.083	27.083	0.813	0.813	0.813	41.9	516.860	0.000	0.000	2.3	206.316	41.954
FEH: 30 years: +40 %: 960 mins: Winter	27.084	27.084	27.084	0.814	0.814	0.814	27.0	517.511	0.000	0.000	2.3	207.084	41.881
FEH: 30 years: +40 %: 1440 mins: Summer	27.113	27.113	27.113	0.843	0.843	0.843	31.0	535.888	0.000	0.000	2.3	313.097	39.817
FEH: 30 years: +40 %: 1440 mins: Winter	27.116	27.116	27.116	0.846	0.846	0.846	20.0	537.840	0.000	0.000	2.3	314.162	39.598
FEH: 30 years: +40 %: 2160 mins: Summer	27.123	27.123	27.123	0.853	0.853	0.853	23.0	542.343	0.000	0.000	2.3	479.441	39.092
FEH: 30 years: +40 %: 2160 mins: Winter	27.129	27.129	27.129	0.859	0.859	0.859	14.9	546.073	0.000	0.000	2.3	481.077	38.673

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

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FEH: 30 years: +40 %: 2880 mins: Summer	27.122	27.122	27.122	0.852	0.852	0.852	18.7	542.094	0.000	0.000	2.3	650.196	39.120
FEH: 30 years: +40 %: 2880 mins: Winter	27.123	27.123	27.123	0.853	0.853	0.853	12.1	542.233	0.000	0.000	2.3	652.888	39.105
FEH: 30 years: +40 %: 4320 mins: Summer	27.119	27.119	27.119	0.849	0.849	0.849	14.1	539.779	0.000	0.000	2.3	928.556	39.380
FEH: 30 years: +40 %: 4320 mins: Winter	27.108	27.108	27.108	0.838	0.838	0.838	9.1	532.686	0.000	0.000	2.3	930.454	40.177
FEH: 30 years: +40 %: 5760 mins: Summer	27.112	27.112	27.112	0.842	0.842	0.842	11.6	535.829	0.000	0.000	2.3	1041.674	39.824
FEH: 30 years: +40 %: 5760 mins: Winter	27.087	27.087	27.087	0.817	0.817	0.817	7.5	519.516	0.000	0.000	2.3	1040.735	41.656
FEH: 30 years: +40 %: 7200 mins: Summer	27.106	27.106	27.106	0.836	0.836	0.836	10.0	531.649	0.000	0.000	2.3	1128.074	40.293

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FEH: 30 years: +40 %: 7200 mins: Winter	27.066	27.066	27.066	0.796	0.796	0.796	6.5	506.121	0.000	0.000	2.3	1127.835	43.160
FEH: 30 years: +40 %: 8640 mins: Summer	27.101	27.101	27.101	0.831	0.831	0.831	9.0	528.758	0.000	0.000	2.3	1208.600	40.618
FEH: 30 years: +40 %: 8640 mins: Winter	27.045	27.045	27.045	0.775	0.775	0.775	5.8	492.677	0.000	0.000	2.3	1209.126	44.670
FEH: 30 years: +40 %: 10080 mins: Summer	27.099	27.099	27.099	0.829	0.829	0.829	8.2	526.967	0.000	0.000	2.3	1286.612	40.819
FEH: 30 years: +40 %: 10080 mins: Winter	27.022	27.022	27.022	0.752	0.752	0.752	5.3	478.534	0.000	0.000	2.3	1285.658	46.258

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Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Tank: Rank By: Max. Avg. Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Avg. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)
FEH: 100 years: +45 %: 15 mins: Summer	26.667	26.667	26.667	0.397	0.397	0.397	433.8	252.664	0.000	0.000	3.0	3.609	71.625
FEH: 100 years: +45 %: 15 mins: Winter	26.667	26.667	26.667	0.397	0.397	0.397	420.6	252.645	0.000	0.000	3.0	3.628	71.627
FEH: 100 years: +45 %: 30 mins: Summer	26.789	26.789	26.789	0.519	0.519	0.519	356.0	329.957	0.000	0.000	2.9	7.281	62.944
FEH: 100 years: +45 %: 30 mins: Winter	26.789	26.789	26.789	0.519	0.519	0.519	341.1	329.963	0.000	0.000	2.9	7.316	62.944

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FEH: 100 years: +45 %: 60 mins: Summer	26.913	26.913	26.913	0.643	0.643	0.643	325.2	408.848	0.000	0.000	2.9	13.751	54.084
FEH: 100 years: +45 %: 60 mins: Winter	26.913	26.913	26.913	0.643	0.643	0.643	273.3	408.750	0.000	0.000	2.8	13.703	54.096
FEH: 100 years: +45 %: 120 mins: Summer	27.004	27.004	27.004	0.734	0.734	0.734	233.3	466.647	0.000	0.000	2.7	25.933	47.593
FEH: 100 years: +45 %: 120 mins: Winter	27.004	27.004	27.004	0.734	0.734	0.734	167.8	466.537	0.000	0.000	2.6	25.954	47.606
FEH: 100 years: +45 %: 180 mins: Summer	27.062	27.062	27.062	0.792	0.792	0.792	178.3	503.692	0.000	0.000	2.6	39.590	43.433
FEH: 100 years: +45 %: 180 mins: Winter	27.062	27.062	27.062	0.792	0.792	0.792	122.3	503.672	0.000	0.000	2.5	39.660	43.435

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FEH: 100 years: +45 %: 240 mins: Summer	27.106	27.106	27.106	0.836	0.836	0.836	145.8	531.583	0.000	0.000	2.5	53.631	40.301
FEH: 100 years: +45 %: 240 mins: Winter	27.106	27.106	27.106	0.836	0.836	0.836	97.9	531.521	0.000	0.000	2.4	53.707	40.308
FEH: 100 years: +45 %: 360 mins: Summer	27.171	27.171	27.171	0.901	0.901	0.901	108.9	572.999	0.000	0.000	2.4	82.506	35.650
FEH: 100 years: +45 %: 360 mins: Winter	27.171	27.171	27.171	0.901	0.901	0.901	71.7	573.284	0.000	0.000	2.4	82.403	35.617
FEH: 100 years: +45 %: 480 mins: Summer	27.219	27.219	27.219	0.949	0.949	0.949	89.3	603.471	0.000	0.000	2.4	111.866	32.227
FEH: 100 years: +45 %: 480 mins: Winter	27.220	27.220	27.220	0.950	0.950	0.950	57.8	603.932	0.000	0.000	2.4	111.724	32.176

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FEH: 100 years: +45 %: 600 mins: Summer	27.256	27.256	27.256	0.986	0.986	0.986	75.7	627.039	0.000	0.000	2.4	141.499	29.581
FEH: 100 years: +45 %: 600 mins: Winter	27.257	27.257	27.257	0.987	0.987	0.987	48.8	627.891	0.000	0.000	2.3	141.402	29.485
FEH: 100 years: +45 %: 720 mins: Summer	27.286	27.286	27.286	1.016	1.016	1.016	66.1	646.009	0.000	0.000	2.4	171.469	27.450
FEH: 100 years: +45 %: 720 mins: Winter	27.287	27.287	27.287	1.017	1.017	1.017	42.4	647.028	0.000	0.000	2.3	171.199	27.336
FEH: 100 years: +45 %: 960 mins: Summer	27.330	27.330	27.330	1.060	1.060	1.060	52.6	674.069	0.000	0.000	2.3	231.451	24.299
FEH: 100 years: +45 %: 960 mins: Winter	27.333	27.333	27.333	1.063	1.063	1.063	34.1	676.065	0.000	0.000	2.3	231.026	24.075

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Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 1440 mins: Summer	27.381	27.381	27.381	1.111	1.111	1.111	38.7	706.851	0.000	0.000	2.3	350.424	20.617
FEH: 100 years: +45 %: 1440 mins: Winter	27.388	27.388	27.388	1.118	1.118	1.118	24.9	710.787	0.000	0.000	2.3	349.760	20.175
FEH: 100 years: +45 %: 2160 mins: Summer	27.407	27.407	27.407	1.137	1.137	1.137	28.6	723.421	0.000	0.000	2.4	522.274	18.756
FEH: 100 years: +45 %: 2160 mins: Winter	27.418	27.418	27.418	1.148	1.148	1.148	18.4	730.338	0.000	0.000	2.4	521.267	17.980
FEH: 100 years: +45 %: 2880 mins: Summer	27.410	27.410	27.410	1.140	1.140	1.140	23.1	724.891	0.000	0.000	2.4	686.500	18.591
FEH: 100 years: +45 %: 2880 mins: Winter	27.422	27.422	27.422	1.152	1.152	1.152	14.9	732.671	0.000	0.000	2.4	685.479	17.718

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Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 4320 mins: Summer	27.404	27.404	27.404	1.134	1.134	1.134	17.4	721.015	0.000	0.000	2.4	1034.617	19.027
FEH: 100 years: +45 %: 4320 mins: Winter	27.403	27.403	27.403	1.133	1.133	1.133	11.1	720.903	0.000	0.000	2.4	1034.285	19.039
FEH: 100 years: +45 %: 5760 mins: Summer	27.392	27.392	27.392	1.122	1.122	1.122	14.2	713.936	0.000	0.000	2.3	1288.484	19.822
FEH: 100 years: +45 %: 5760 mins: Winter	27.383	27.383	27.383	1.113	1.113	1.113	9.1	707.814	0.000	0.000	2.3	1289.978	20.509
FEH: 100 years: +45 %: 7200 mins: Summer	27.382	27.382	27.382	1.112	1.112	1.112	12.1	707.316	0.000	0.000	2.3	1396.739	20.565
FEH: 100 years: +45 %: 7200 mins: Winter	27.359	27.359	27.359	1.089	1.089	1.089	7.9	692.543	0.000	0.000	2.3	1397.382	22.224

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FEH: 100 years: +45 %: 8640 mins: Summer	27.373	27.373	27.373	1.103	1.103	1.103	10.8	701.553	0.000	0.000	2.3	1485.636	21.212
FEH: 100 years: +45 %: 8640 mins: Winter	27.333	27.333	27.333	1.063	1.063	1.063	7.0	675.992	0.000	0.000	2.3	1484.388	24.083
FEH: 100 years: +45 %: 10080 mins: Summer	27.366	27.366	27.366	1.096	1.096	1.096	9.8	696.882	0.000	0.000	2.3	1570.274	21.737
FEH: 100 years: +45 %: 10080 mins: Winter	27.309	27.309	27.309	1.039	1.039	1.039	6.3	660.785	0.000	0.000	2.3	1570.463	25.791

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

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Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Tank: Rank By: Max. Avg. Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Avg. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)
FEH: 200 years: +45 %: 15 mins: Summer	26.714	26.714	26.714	0.444	0.444	0.444	488.3	282.655	0.000	0.000	3.2	3.888	68.256
FEH: 200 years: +45 %: 15 mins: Winter	26.714	26.714	26.714	0.444	0.444	0.444	456.8	282.624	0.000	0.000	3.1	3.913	68.260
FEH: 200 years: +45 %: 30 mins: Summer	26.853	26.853	26.853	0.583	0.583	0.583	388.6	370.720	0.000	0.000	3.0	7.392	58.366
FEH: 200 years: +45 %: 30 mins: Winter	26.853	26.853	26.853	0.583	0.583	0.583	370.8	370.716	0.000	0.000	2.9	7.453	58.367

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FEH: 200 years: +45 %: 60 mins: Summer	26.996	26.996	26.996	0.726	0.726	0.726	352.5	461.681	0.000	0.000	2.9	13.864	48.151
FEH: 200 years: +45 %: 60 mins: Winter	26.996	26.996	26.996	0.726	0.726	0.726	308.3	461.639	0.000	0.000	2.8	13.777	48.156
FEH: 200 years: +45 %: 120 mins: Summer	27.097	27.097	27.097	0.827	0.827	0.827	263.4	526.046	0.000	0.000	2.7	27.323	40.923
FEH: 200 years: +45 %: 120 mins: Winter	27.097	27.097	27.097	0.827	0.827	0.827	186.7	526.052	0.000	0.000	2.6	27.357	40.922
FEH: 200 years: +45 %: 180 mins: Summer	27.165	27.165	27.165	0.895	0.895	0.895	199.9	569.267	0.000	0.000	2.6	41.957	36.069
FEH: 200 years: +45 %: 180 mins: Winter	27.165	27.165	27.165	0.895	0.895	0.895	137.2	569.311	0.000	0.000	2.5	41.663	36.064

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FEH: 200 years: +45 %: 240 mins: Summer	27.218	27.218	27.218	0.948	0.948	0.948	164.3	602.661	0.000	0.000	2.5	56.853	32.318
FEH: 200 years: +45 %: 240 mins: Winter	27.218	27.218	27.218	0.948	0.948	0.948	110.4	602.791	0.000	0.000	2.4	56.474	32.304
FEH: 200 years: +45 %: 360 mins: Summer	27.298	27.298	27.298	1.028	1.028	1.028	123.3	653.600	0.000	0.000	2.4	87.400	26.598
FEH: 200 years: +45 %: 360 mins: Winter	27.298	27.298	27.298	1.028	1.028	1.028	81.5	654.074	0.000	0.000	2.4	87.058	26.544
FEH: 200 years: +45 %: 480 mins: Summer	27.357	27.357	27.357	1.087	1.087	1.087	101.1	691.345	0.000	0.000	2.4	118.695	22.359
FEH: 200 years: +45 %: 480 mins: Winter	27.358	27.358	27.358	1.088	1.088	1.088	65.5	692.255	0.000	0.000	2.4	118.277	22.257

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Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 600 mins: Summer	27.404	27.404	27.404	1.134	1.134	1.134	85.1	720.965	0.000	0.000	2.4	150.469	19.032
FEH: 200 years: +45 %: 600 mins: Winter	27.406	27.406	27.406	1.136	1.136	1.136	54.8	722.329	0.000	0.000	2.4	149.976	18.879
FEH: 200 years: +45 %: 720 mins: Summer	27.442	27.442	27.442	1.172	1.172	1.172	74.3	745.180	0.000	0.000	2.4	182.461	16.313
FEH: 200 years: +45 %: 720 mins: Winter	27.444	27.444	27.444	1.174	1.174	1.174	47.8	746.726	0.000	0.000	2.4	181.843	16.139
FEH: 200 years: +45 %: 960 mins: Summer	27.499	27.499	27.499	1.229	1.229	1.229	59.8	781.432	0.000	0.000	2.5	246.981	12.242
FEH: 200 years: +45 %: 960 mins: Winter	27.503	27.503	27.503	1.233	1.233	1.233	38.3	783.990	0.000	0.000	2.5	246.060	11.954

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Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 1440 mins: Summer	27.567	27.567	27.567	1.297	1.297	1.297	44.2	824.911	0.000	0.000	2.5	375.296	7.359
FEH: 200 years: +45 %: 1440 mins: Winter	27.574	27.574	27.574	1.304	1.304	1.304	28.5	829.210	0.000	0.000	2.5	373.759	6.876
FEH: 200 years: +45 %: 2160 mins: Summer	27.604	27.604	27.604	1.334	1.334	1.334	32.7	848.602	0.000	0.000	2.5	561.266	4.698
FEH: 200 years: +45 %: 2160 mins: Winter	27.617	27.617	27.617	1.347	1.347	1.347	21.2	856.858	0.000	0.000	2.6	559.195	3.771
FEH: 200 years: +45 %: 2880 mins: Summer	27.607	27.607	27.607	1.337	1.337	1.337	26.5	850.167	0.000	0.000	2.5	736.704	4.522
FEH: 200 years: +45 %: 2880 mins: Winter	27.624	27.624	27.624	1.354	1.354	1.354	17.1	861.005	0.000	0.000	2.6	734.332	3.305

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FEH: 200 years: +45 %: 4320 mins: Summer	27.594	27.594	27.594	1.324	1.324	1.324	19.7	842.328	0.000	0.000	2.5	1074.355	5.403
FEH: 200 years: +45 %: 4320 mins: Winter	27.600	27.600	27.600	1.330	1.330	1.330	12.7	845.850	0.000	0.000	2.5	1072.063	5.007
FEH: 200 years: +45 %: 5760 mins: Summer	27.578	27.578	27.578	1.308	1.308	1.308	15.9	832.235	0.000	0.000	2.5	1414.800	6.536
FEH: 200 years: +45 %: 5760 mins: Winter	27.573	27.573	27.573	1.303	1.303	1.303	10.3	829.046	0.000	0.000	2.5	1413.767	6.894
FEH: 200 years: +45 %: 7200 mins: Summer	27.561	27.561	27.561	1.291	1.291	1.291	13.6	821.031	0.000	0.000	2.5	1562.982	7.794
FEH: 200 years: +45 %: 7200 mins: Winter	27.543	27.543	27.543	1.273	1.273	1.273	8.8	809.901	0.000	0.000	2.5	1564.589	9.044

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Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 8640 mins: Summer	27.545	27.545	27.545	1.275	1.275	1.275	12.0	811.006	0.000	0.000	2.5	1656.193	8.920
FEH: 200 years: +45 %: 8640 mins: Winter	27.513	27.513	27.513	1.243	1.243	1.243	7.8	790.568	0.000	0.000	2.5	1656.814	11.216
FEH: 200 years: +45 %: 10080 mins: Summer	27.532	27.532	27.532	1.262	1.262	1.262	10.8	802.482	0.000	0.000	2.5	1741.781	9.878
FEH: 200 years: +45 %: 10080 mins: Winter	27.483	27.483	27.483	1.213	1.213	1.213	7.0	771.548	0.000	0.000	2.4	1740.167	13.352

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

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Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Stormwater Controls Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Tank: Rank By: Max. Avg. Depth

Drainage Network Unit 5:	Date:			
Alchemy,Western Plot	17/07/2026			
Network Space	Designed	Checked by:	Approved	
Developments	AMG			
Report Details:	Company Address:			
Type: Stormwater Controls	ADS Consult			
Storm Phase: UNIT 5	107 Mere Grange Business Park			
	Leaside, St Helens, WA9 5GG			

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.003-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S03-5	Tank	28.711	26.944	0.227	37.615	1.2	0.97	68.7	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S03-5	Tank	28.711	26.938	0.222	37.607	1.2	0.94	66.2	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S03-5	Tank	28.711	26.911	0.200	48.345	1.1	0.79	55.8	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S03-5	Tank	28.711	26.903	0.193	48.351	1.1	0.74	52.4	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S03-5	Tank	28.711	26.892	0.183	60.017	1.1	0.68	48.0	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S03-5	Tank	28.711	26.868	0.162	60.029	1.0	0.55	38.6	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S03-5	Tank	28.711	26.863	0.158	77.524	1.0	0.52	36.8	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S03-5	Tank	28.711	26.834	0.132	77.506	0.9	0.37	26.5	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S03-5	Tank	28.711	26.844	0.141	88.993	0.9	0.42	29.8	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S03-5	Tank	28.711	26.816	0.115	88.969	0.8	0.29	20.5	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S03-5	Tank	28.711	26.831	0.129	97.731	0.9	0.36	25.3	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S03-5	Tank	28.711	26.804	0.104	97.707	0.8	0.24	17.0	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S03-5	Tank	28.711	26.813	0.112	111.030	0.8	0.28	19.7	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S03-5	Tank	28.711	26.789	0.090	111.006	0.7	0.18	12.9	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S03-5	Tank	28.711	26.802	0.102	121.315	0.8	0.23	16.5	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S03-5	Tank	28.711	26.780	0.081	121.334	0.7	0.15	10.6	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S03-5	Tank	28.711	26.794	0.094	129.889	0.7	0.2	14.1	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S03-5	Tank	28.711	26.773	0.075	129.926	0.7	0.13	9.1	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S03-5	Tank	28.711	26.787	0.088	137.270	0.7	0.18	12.5	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S03-5	Tank	28.711	26.768	0.070	137.300	0.6	0.11	8.0	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S03-5	Tank	28.711	26.778	0.079	149.630	0.7	0.14	10.2	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S03-5	Tank	28.711	26.761	0.063	149.711	0.6	0.09	6.6	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S03-5	Tank	28.711	26.766	0.068	169.322	0.6	0.11	7.7	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S03-5	Tank	28.711	26.752	0.054	169.400	0.6	0.07	5.0	OK

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S03-5	Tank	28.711	26.757	0.059	192.134	0.6	0.08	5.8	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S03-5	Tank	28.711	26.744	0.047	191.924	0.5	0.05	3.8	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S03-5	Tank	28.711	26.751	0.053	210.536	0.6	0.07	4.8	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S03-5	Tank	28.711	26.740	0.043	210.896	0.5	0.04	3.1	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S03-5	Tank	28.711	26.744	0.047	241.784	0.5	0.05	3.7	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S03-5	Tank	28.711	26.734	0.038	241.436	0.5	0.03	2.4	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S03-5	Tank	28.711	26.739	0.042	269.660	0.5	0.04	3.0	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S03-5	Tank	28.711	26.731	0.034	268.892	0.4	0.03	2.0	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S03-5	Tank	28.711	26.737	0.040	294.890	0.5	0.04	2.7	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S03-5	Tank	28.711	26.728	0.032	294.458	0.4	0.02	1.7	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S03-5	Tank	28.711	26.735	0.038	318.650	0.5	0.03	2.4	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S03-5	Tank	28.711	26.727	0.030	318.626	0.4	0.02	1.6	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S03-5	Tank	28.711	26.733	0.036	342.092	0.5	0.03	2.2	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S03-5	Tank	28.711	26.726	0.029	342.692	0.4	0.02	1.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-5.001-5 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.895	0.113	8.540	0.7	0.25	17.7	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.892	0.109	8.543	0.7	0.24	16.7	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.877	0.093	10.964	0.7	0.18	12.7	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.875	0.090	10.958	0.7	0.17	11.9	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.871	0.086	13.606	0.7	0.15	10.9	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.863	0.076	13.613	0.6	0.12	8.7	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.861	0.074	17.573	0.6	0.12	8.3	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.851	0.063	17.567	0.6	0.08	6.0	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.854	0.067	20.159	0.6	0.1	6.7	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.844	0.055	20.172	0.5	0.07	4.7	OK

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.849	0.061	22.134	0.6	0.08	5.7	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.839	0.050	22.146	0.5	0.05	3.8	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.843	0.054	25.128	0.5	0.06	4.4	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.833	0.044	25.182	0.5	0.04	2.9	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.838	0.049	27.516	0.5	0.05	3.7	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.830	0.040	27.486	0.4	0.03	2.4	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.835	0.046	29.418	0.5	0.05	3.2	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.827	0.037	29.430	0.4	0.03	2.1	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.833	0.043	31.074	0.5	0.04	2.8	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.825	0.035	31.116	0.4	0.03	1.8	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.829	0.039	33.924	0.4	0.03	2.3	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.822	0.032	33.924	0.4	0.02	1.5	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.824	0.034	38.334	0.4	0.02	1.7	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.818	0.028	38.406	0.3	0.02	1.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.820	0.030	43.440	0.4	0.02	1.3	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.815	0.024	43.530	0.3	0.01	0.9	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.818	0.027	47.676	0.3	0.02	1.1	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.813	0.022	47.628	0.3	0.01	0.7	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.815	0.024	55.170	0.3	0.01	0.8	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.810	0.019	55.146	0.3	0.01	0.5	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.813	0.022	61.512	0.3	0.01	0.7	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.809	0.018	61.098	0.3	0.01	0.4	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.812	0.021	66.948	0.3	0.01	0.6	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.808	0.017	67.284	0.2	0.01	0.4	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.811	0.020	71.928	0.3	0.01	0.5	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.807	0.016	72.894	0.2	0	0.3	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.810	0.019	76.698	0.3	0.01	0.5	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.807	0.015	76.356	0.2	0	0.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.000-5 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.051	0.152	1.176	0.1	0.02	1.7	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.041	0.141	1.177	0.1	0.02	1.6	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.020	0.111	1.529	0.1	0.03	1.8	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.020	0.105	1.536	0.1	0.02	1.7	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.018	0.098	1.913	0.1	0.02	1.5	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.016	0.083	1.921	0.1	0.02	1.2	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.015	0.081	2.476	0.1	0.02	1.2	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.011	0.065	2.477	0.1	0.01	0.8	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.013	0.070	2.861	0.1	0.01	1.0	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.009	0.056	2.856	0.1	0.01	0.7	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.011	0.063	3.138	0.1	0.01	0.8	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.007	0.050	3.133	0.1	0.01	0.5	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.008	0.055	3.559	0.1	0.01	0.6	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.005	0.043	3.560	0.1	0.01	0.4	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.007	0.049	3.895	0.1	0.01	0.5	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.004	0.039	3.878	0.1	0	0.3	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.006	0.045	4.160	0.1	0.01	0.4	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.003	0.036	4.161	0.1	0	0.3	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.005	0.042	4.394	0.1	0.01	0.4	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.002	0.034	4.437	0.1	0	0.3	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.003	0.038	4.808	0.1	0	0.3	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.001	0.031	4.815	0.1	0	0.2	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.002	0.033	5.421	0.1	0	0.2	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S01-5	S02 - 5	28.623	26.999	0.027	5.470	0.1	0	0.2	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.000	0.029	6.249	0.1	0	0.2	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S01-5	S02 - 5	28.623	26.997	0.023	6.154	0.0	0	0.1	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S01-5	S02 - 5	28.623	26.999	0.026	6.688	0.1	0	0.1	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S01-5	S02 - 5	28.623	26.997	0.021	6.880	0.0	0	0.1	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S01-5	S02 - 5	28.623	26.997	0.023	7.720	0.0	0	0.1	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S01-5	S02 - 5	28.623	26.996	0.019	7.523	0.0	0	0.1	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S01-5	S02 - 5	28.623	26.997	0.021	8.644	0.0	0	0.1	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S01-5	S02 - 5	28.623	26.995	0.017	8.501	0.0	0	0.1	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S01-5	S02 - 5	28.623	26.996	0.020	9.670	0.0	0	0.1	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S01-5	S02 - 5	28.623	26.995	0.016	9.413	0.0	0	0.1	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S01-5	S02 - 5	28.623	26.996	0.019	10.582	0.0	0	0.1	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S01-5	S02 - 5	28.623	26.995	0.015	10.469	0.0	0	0.1	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S01-5	S02 - 5	28.623	26.995	0.018	11.620	0.0	0	0.1	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S01-5	S02 - 5	28.623	26.995	0.015	11.249	0.0	0	0.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.001-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.065	0.263	25.024	0.7	0.63	44.6	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.054	0.252	25.020	0.7	0.62	43.6	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.014	0.211	32.106	0.7	0.52	37.0	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.003	0.200	32.111	0.7	0.49	34.8	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.990	0.187	39.837	0.7	0.45	31.9	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.964	0.160	39.855	0.7	0.36	25.6	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.959	0.154	51.455	0.7	0.35	24.4	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.932	0.125	51.454	0.6	0.25	17.6	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.941	0.134	59.063	0.6	0.28	19.8	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.916	0.107	59.063	0.6	0.19	13.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.929	0.121	64.859	0.6	0.24	16.8	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.907	0.096	64.859	0.6	0.16	11.3	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.914	0.104	73.685	0.6	0.18	13.0	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.895	0.082	73.685	0.6	0.12	8.6	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.905	0.094	80.525	0.6	0.15	10.9	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.888	0.074	80.531	0.5	0.1	7.1	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.898	0.086	86.201	0.6	0.13	9.4	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.883	0.068	86.213	0.5	0.09	6.0	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.893	0.080	91.079	0.5	0.12	8.3	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.879	0.064	91.157	0.5	0.08	5.3	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.886	0.072	99.323	0.5	0.1	6.8	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.874	0.057	99.350	0.5	0.06	4.4	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.878	0.062	112.355	0.5	0.07	5.1	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.868	0.050	112.409	0.4	0.05	3.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.871	0.054	127.571	0.4	0.05	3.9	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.862	0.043	127.427	0.4	0.04	2.5	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.867	0.049	139.649	0.4	0.04	3.2	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.859	0.039	139.871	0.4	0.03	2.1	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.862	0.043	160.541	0.4	0.03	2.4	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.855	0.035	160.187	0.3	0.02	1.6	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.859	0.039	178.871	0.4	0.03	2.0	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.852	0.032	178.565	0.3	0.02	1.3	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.857	0.037	195.797	0.4	0.03	1.8	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.851	0.030	195.347	0.3	0.02	1.1	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.855	0.035	212.039	0.3	0.02	1.6	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.849	0.028	211.601	0.3	0.01	1.0	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.854	0.033	227.297	0.3	0.02	1.5	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.848	0.027	227.159	0.3	0.01	0.9	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.002-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.032	0.267	37.705	1.1	1.01	71.8	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.022	0.258	37.699	1.1	0.98	69.1	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.980	0.224	48.385	1.0	0.79	55.8	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.969	0.215	48.392	1.0	0.74	52.4	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.956	0.202	60.037	0.9	0.68	48.0	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.927	0.176	60.049	0.9	0.55	38.6	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.921	0.171	77.540	0.9	0.52	36.8	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.889	0.140	77.521	0.8	0.37	26.5	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.900	0.151	89.006	0.8	0.42	29.8	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.869	0.121	88.982	0.8	0.29	20.5	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.885	0.137	97.742	0.8	0.36	25.3	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.857	0.109	97.718	0.7	0.24	17.0	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.866	0.118	111.038	0.8	0.28	19.7	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.841	0.094	111.013	0.7	0.18	12.9	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.855	0.107	121.322	0.7	0.23	16.5	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.832	0.084	121.339	0.7	0.15	10.6	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.846	0.098	129.896	0.7	0.2	14.1	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.825	0.077	129.931	0.6	0.13	9.1	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.839	0.092	137.276	0.7	0.18	12.5	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.820	0.072	137.305	0.6	0.11	8.0	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.830	0.082	149.635	0.6	0.14	10.2	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.812	0.065	149.716	0.6	0.09	6.6	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.818	0.071	169.327	0.6	0.11	7.7	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.804	0.056	169.404	0.5	0.07	5.0	OK

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.809	0.061	192.139	0.6	0.08	5.8	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.796	0.049	191.928	0.5	0.05	3.8	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.803	0.055	210.541	0.5	0.07	4.8	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.792	0.044	210.900	0.5	0.04	3.1	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.796	0.048	241.789	0.5	0.05	3.7	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.786	0.039	241.440	0.4	0.03	2.4	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.791	0.044	269.665	0.5	0.04	3.0	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.783	0.035	268.896	0.4	0.03	2.0	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.789	0.041	294.895	0.5	0.04	2.7	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.781	0.033	294.462	0.4	0.02	1.7	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.787	0.039	318.654	0.4	0.03	2.4	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.779	0.031	318.630	0.4	0.02	1.6	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.785	0.038	342.096	0.4	0.03	2.2	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.778	0.030	342.696	0.4	0.02	1.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-2.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.282	0.047	1.219	0.5	0.03	2.7	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.281	0.042	1.218	0.5	0.02	2.5	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.277	0.029	1.551	0.5	0.02	1.8	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.276	0.028	1.556	0.5	0.02	1.7	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.275	0.027	1.928	0.5	0.01	1.5	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.273	0.025	1.933	0.5	0.01	1.2	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.272	0.024	2.485	0.5	0.01	1.2	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.269	0.021	2.485	0.4	0.01	0.8	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.270	0.022	2.869	0.4	0.01	1.0	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.267	0.018	2.862	0.4	0.01	0.7	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.269	0.020	3.144	0.4	0.01	0.8	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.265	0.017	3.138	0.3	0.01	0.5	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.266	0.018	3.564	0.4	0.01	0.6	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.264	0.015	3.564	0.3	0	0.4	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.265	0.017	3.900	0.3	0	0.5	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.262	0.014	3.882	0.3	0	0.3	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.264	0.015	4.164	0.3	0	0.4	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.262	0.013	4.164	0.3	0	0.3	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.263	0.015	4.398	0.3	0	0.4	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.261	0.012	4.440	0.3	0	0.3	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.262	0.013	4.812	0.3	0	0.3	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.260	0.011	4.818	0.3	0	0.2	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.261	0.012	5.424	0.3	0	0.3	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.259	0.009	5.472	0.2	0	0.2	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.260	0.010	6.252	0.3	0	0.2	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.258	0.008	6.156	0.2	0	0.1	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.259	0.009	6.690	0.2	0	0.2	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.257	0.007	6.882	0.2	0	0.1	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.258	0.008	7.722	0.2	0	0.1	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.256	0.006	7.524	0.2	0	0.1	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.257	0.007	8.646	0.2	0	0.1	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.255	0.006	8.502	0.2	0	0.1	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.257	0.007	9.672	0.2	0	0.1	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.255	0.006	9.414	0.2	0	0.1	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.256	0.006	10.584	0.2	0	0.1	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.254	0.005	10.470	0.2	0	0.1	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.256	0.006	11.622	0.2	0	0.1	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.254	0.005	11.250	0.2	0	0.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.005 - 5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S04-5	EX	28.502	26.378	0.033	1.929	0.5	0.05	1.8	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S04-5	EX	28.502	26.378	0.033	1.928	0.5	0.05	1.8	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S04-5	EX	28.502	26.408	0.035	4.930	0.5	0.05	2.0	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S04-5	EX	28.502	26.408	0.035	4.934	0.5	0.05	2.0	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S04-5	EX	28.502	26.439	0.036	11.118	0.5	0.05	2.1	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S04-5	EX	28.502	26.439	0.036	11.154	0.5	0.05	2.1	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S04-5	EX	28.502	26.483	0.037	24.307	0.5	0.06	2.2	Surcharged
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S04-5	EX	28.502	26.483	0.037	24.439	0.5	0.06	2.2	Surcharged
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S04-5	EX	28.502	26.508	0.037	37.725	0.5	0.06	2.2	Surcharged
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S04-5	EX	28.502	26.508	0.037	37.959	0.5	0.06	2.2	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S04-5	EX	28.502	26.526	0.037	51.258	0.5	0.06	2.2	Surcharged
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S04-5	EX	28.502	26.526	0.037	51.596	0.5	0.06	2.2	Surcharged
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S04-5	EX	28.502	26.548	0.037	78.368	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S04-5	EX	28.502	26.548	0.037	78.905	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S04-5	EX	28.502	26.561	0.037	105.394	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S04-5	EX	28.502	26.562	0.037	106.115	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S04-5	EX	28.502	26.569	0.038	132.220	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S04-5	EX	28.502	26.570	0.038	133.107	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S04-5	EX	28.502	26.575	0.038	158.600	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S04-5	EX	28.502	26.575	0.038	159.693	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S04-5	EX	28.502	26.582	0.038	209.314	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S04-5	EX	28.502	26.580	0.038	210.687	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S04-5	EX	28.502	26.590	0.038	287.438	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S04-5	EX	28.502	26.584	0.038	288.383	0.5	0.06	2.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S04-5	EX	28.502	26.590	0.038	351.826	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S04-5	EX	28.502	26.577	0.038	352.165	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S04-5	EX	28.502	26.585	0.038	392.926	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S04-5	EX	28.502	26.564	0.037	393.363	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S04-5	EX	28.502	26.571	0.038	453.875	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S04-5	EX	28.502	26.534	0.037	454.162	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S04-5	EX	28.502	26.556	0.037	506.800	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S04-5	EX	28.502	26.505	0.037	504.636	0.5	0.06	2.2	Surcharged
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S04-5	EX	28.502	26.542	0.037	555.020	0.5	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S04-5	EX	28.502	26.482	0.037	554.285	0.5	0.06	2.2	Surcharged
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S04-5	EX	28.502	26.528	0.037	599.445	0.5	0.06	2.2	Surcharged
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S04-5	EX	28.502	26.461	0.037	600.658	0.5	0.06	2.1	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S04-5	EX	28.502	26.517	0.037	642.545	0.5	0.06	2.2	Surcharged
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S04-5	EX	28.502	26.444	0.036	641.868	0.5	0.05	2.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-5.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.752	0.117	17.619	1.4	0.29	36.5	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.748	0.113	17.627	1.4	0.28	34.5	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.729	0.097	22.623	1.3	0.21	26.1	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.726	0.093	22.617	1.3	0.2	24.5	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.721	0.089	28.072	1.3	0.18	22.5	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.711	0.079	28.085	1.2	0.15	18.1	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.709	0.077	36.251	1.2	0.14	17.2	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.696	0.065	36.245	1.1	0.1	12.4	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.700	0.069	41.591	1.1	0.11	13.9	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.688	0.057	41.591	1.0	0.08	9.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.694	0.064	45.653	1.1	0.1	11.8	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.682	0.052	45.695	1.0	0.06	7.9	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.686	0.056	51.851	1.0	0.07	9.2	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.675	0.045	51.953	0.9	0.05	6.0	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.681	0.051	56.765	1.0	0.06	7.7	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.671	0.041	56.711	0.8	0.04	5.0	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.677	0.048	60.701	0.9	0.05	6.6	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.668	0.038	60.671	0.8	0.03	4.3	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.674	0.045	64.127	0.9	0.05	5.8	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.666	0.036	64.169	0.8	0.03	3.7	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.670	0.040	69.953	0.8	0.04	4.8	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.662	0.033	70.019	0.7	0.02	3.1	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.665	0.035	79.091	0.8	0.03	3.6	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.658	0.028	79.181	0.7	0.02	2.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.660	0.031	89.699	0.7	0.02	2.7	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.654	0.025	89.801	0.6	0.01	1.8	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.657	0.028	98.255	0.7	0.02	2.2	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.652	0.023	98.363	0.6	0.01	1.4	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.654	0.025	113.255	0.6	0.01	1.7	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.649	0.020	113.363	0.5	0.01	1.1	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.652	0.023	126.353	0.6	0.01	1.4	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.648	0.018	125.567	0.5	0.01	0.9	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.651	0.021	138.389	0.6	0.01	1.3	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.647	0.017	138.281	0.5	0.01	0.8	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.649	0.020	149.153	0.5	0.01	1.1	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.646	0.016	150.137	0.5	0.01	0.7	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.649	0.019	159.557	0.5	0.01	1.0	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.645	0.016	158.627	0.5	0.01	0.7	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-5.002-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S08-5	S07-5	28.888	28.307	0.063	0.698	0.1	0.01	1.5	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S08-5	S07-5	28.888	28.306	0.061	0.698	0.1	0.01	1.4	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S08-5	S07-5	28.888	28.303	0.052	0.894	0.1	0.01	1.0	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S08-5	S07-5	28.888	28.303	0.050	0.894	0.1	0.01	1.0	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S08-5	S07-5	28.888	28.302	0.048	1.116	0.1	0.01	0.9	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S08-5	S07-5	28.888	28.300	0.043	1.110	0.1	0.01	0.7	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S08-5	S07-5	28.888	28.300	0.042	1.434	0.1	0.01	0.7	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S08-5	S07-5	28.888	28.298	0.036	1.434	0.1	0	0.5	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S08-5	S07-5	28.888	28.299	0.038	1.644	0.1	0	0.5	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S08-5	S07-5	28.888	28.297	0.032	1.656	0.1	0	0.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S08-5	S07-5	28.888	28.298	0.035	1.806	0.1	0	0.5	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S08-5	S07-5	28.888	28.296	0.029	1.806	0.1	0	0.3	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S08-5	S07-5	28.888	28.296	0.031	2.040	0.1	0	0.4	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S08-5	S07-5	28.888	28.294	0.025	2.058	0.1	0	0.2	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S08-5	S07-5	28.888	28.295	0.029	2.244	0.1	0	0.3	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S08-5	S07-5	28.888	28.294	0.023	2.232	0.1	0	0.2	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S08-5	S07-5	28.888	28.295	0.027	2.388	0.1	0	0.3	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S08-5	S07-5	28.888	28.293	0.022	2.418	0.1	0	0.2	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S08-5	S07-5	28.888	28.294	0.025	2.520	0.1	0	0.2	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S08-5	S07-5	28.888	28.293	0.020	2.580	0.1	0	0.2	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S08-5	S07-5	28.888	28.294	0.023	2.790	0.1	0	0.2	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S08-5	S07-5	28.888	28.292	0.018	2.760	0.1	0	0.1	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S08-5	S07-5	28.888	28.292	0.020	3.090	0.1	0	0.1	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S08-5	S07-5	28.888	28.290	0.016	3.192	0.1	0	0.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S08-5	S07-5	28.888	28.291	0.017	3.522	0.1	0	0.1	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S08-5	S07-5	28.888	28.290	0.014	3.498	0.1	0	0.1	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S08-5	S07-5	28.888	28.290	0.016	3.942	0.1	0	0.1	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S08-5	S07-5	28.888	28.289	0.013	3.900	0.1	0	0.1	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S08-5	S07-5	28.888	28.290	0.014	4.872	0.1	0	0.1	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S08-5	S07-5	28.888	28.289	0.011	4.614	0.1	0	0.0	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S08-5	S07-5	28.888	28.289	0.013	5.388	0.1	0	0.1	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S08-5	S07-5	28.888	28.289	0.010	5.322	0.1	0	0.0	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S08-5	S07-5	28.888	28.289	0.012	5.436	0.1	0	0.1	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S08-5	S07-5	28.888	28.288	0.010	5.880	0.0	0	0.0	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S08-5	S07-5	28.888	28.289	0.011	5.592	0.1	0	0.0	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S08-5	S07-5	28.888	28.288	0.009	6.324	0.0	0	0.0	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S08-5	S07-5	28.888	28.289	0.011	5.808	0.1	0	0.0	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S08-5	S07-5	28.888	28.288	0.009	5.688	0.0	0	0.0	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-3.001-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S10-5	S09-5	28.560	26.720	0.131	7.816	0.5	0.21	13.3	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S10-5	S09-5	28.560	26.716	0.127	7.809	0.5	0.2	12.7	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S10-5	S09-5	28.560	26.704	0.114	10.067	0.5	0.18	11.6	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S10-5	S09-5	28.560	26.700	0.110	10.055	0.5	0.17	10.9	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S10-5	S09-5	28.560	26.694	0.104	12.491	0.5	0.16	10.0	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S10-5	S09-5	28.560	26.682	0.091	12.497	0.4	0.13	8.0	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S10-5	S09-5	28.560	26.680	0.089	16.142	0.4	0.12	7.7	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S10-5	S09-5	28.560	26.666	0.073	16.136	0.4	0.09	5.5	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S10-5	S09-5	28.560	26.670	0.079	18.531	0.4	0.1	6.2	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S10-5	S09-5	28.560	26.658	0.064	18.513	0.4	0.07	4.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S10-5	S09-5	28.560	26.664	0.071	20.337	0.4	0.08	5.3	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S10-5	S09-5	28.560	26.653	0.058	20.350	0.4	0.06	3.6	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S10-5	S09-5	28.560	26.657	0.063	23.091	0.4	0.06	4.1	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S10-5	S09-5	28.560	26.647	0.051	23.128	0.3	0.04	2.7	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S10-5	S09-5	28.560	26.653	0.057	25.276	0.4	0.05	3.4	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S10-5	S09-5	28.560	26.644	0.046	25.258	0.3	0.04	2.2	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S10-5	S09-5	28.560	26.649	0.053	27.046	0.4	0.05	3.0	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S10-5	S09-5	28.560	26.641	0.043	27.010	0.3	0.03	1.9	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S10-5	S09-5	28.560	26.647	0.050	28.559	0.3	0.04	2.6	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S10-5	S09-5	28.560	26.639	0.040	28.535	0.3	0.03	1.7	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S10-5	S09-5	28.560	26.643	0.045	31.157	0.3	0.03	2.1	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S10-5	S09-5	28.560	26.636	0.036	31.169	0.3	0.02	1.4	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S10-5	S09-5	28.560	26.638	0.039	35.255	0.3	0.03	1.6	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S10-5	S09-5	28.560	26.632	0.032	35.213	0.3	0.02	1.0	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S10-5	S09-5	28.560	26.634	0.034	39.953	0.3	0.02	1.2	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S10-5	S09-5	28.560	26.629	0.028	40.055	0.2	0.01	0.8	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S10-5	S09-5	28.560	26.632	0.031	43.787	0.3	0.02	1.0	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S10-5	S09-5	28.560	26.627	0.025	43.727	0.2	0.01	0.6	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S10-5	S09-5	28.560	26.629	0.027	50.296	0.2	0.01	0.8	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S10-5	S09-5	28.560	26.624	0.022	50.579	0.2	0.01	0.5	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S10-5	S09-5	28.560	26.627	0.025	56.123	0.2	0.01	0.6	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S10-5	S09-5	28.560	26.623	0.020	55.775	0.2	0.01	0.4	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S10-5	S09-5	28.560	26.626	0.024	61.595	0.2	0.01	0.6	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S10-5	S09-5	28.560	26.622	0.019	61.415	0.2	0.01	0.4	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S10-5	S09-5	28.560	26.625	0.022	66.341	0.2	0.01	0.5	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S10-5	S09-5	28.560	26.621	0.018	66.569	0.2	0.01	0.3	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S10-5	S09-5	28.560	26.624	0.022	70.889	0.2	0.01	0.5	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S10-5	S09-5	28.560	26.620	0.018	70.667	0.2	0	0.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-3.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S09-5	Tank	28.846	26.706	0.139	15.600	0.9	0.41	28.9	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S09-5	Tank	28.846	26.702	0.135	15.603	0.9	0.39	27.5	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S09-5	Tank	28.846	26.688	0.123	20.081	0.9	0.33	23.2	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S09-5	Tank	28.846	26.683	0.119	20.069	0.8	0.31	21.8	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S09-5	Tank	28.846	26.678	0.113	24.910	0.8	0.28	19.9	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S09-5	Tank	28.846	26.664	0.101	24.928	0.8	0.23	16.0	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S09-5	Tank	28.846	26.661	0.098	32.186	0.8	0.22	15.3	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S09-5	Tank	28.846	26.644	0.083	32.186	0.7	0.16	11.0	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S09-5	Tank	28.846	26.650	0.088	36.951	0.7	0.18	12.4	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S09-5	Tank	28.846	26.634	0.072	36.945	0.6	0.12	8.5	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S09-5	Tank	28.846	26.642	0.081	40.581	0.7	0.15	10.5	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S09-5	Tank	28.846	26.626	0.066	40.575	0.6	0.1	7.1	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S09-5	Tank	28.846	26.632	0.071	46.069	0.6	0.12	8.2	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S09-5	Tank	28.846	26.617	0.057	46.069	0.6	0.08	5.4	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S09-5	Tank	28.846	26.625	0.065	50.387	0.6	0.1	6.8	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S09-5	Tank	28.846	26.612	0.052	50.369	0.5	0.06	4.4	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S09-5	Tank	28.846	26.620	0.060	53.938	0.6	0.08	5.9	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S09-5	Tank	28.846	26.608	0.048	53.854	0.5	0.05	3.8	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S09-5	Tank	28.846	26.616	0.056	56.949	0.6	0.07	5.2	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S09-5	Tank	28.846	26.604	0.044	56.943	0.5	0.05	3.3	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S09-5	Tank	28.846	26.611	0.050	62.102	0.5	0.06	4.2	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S09-5	Tank	28.846	26.600	0.040	62.127	0.5	0.04	2.7	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S09-5	Tank	28.846	26.603	0.043	70.304	0.5	0.05	3.2	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S09-5	Tank	28.846	26.594	0.037	70.233	0.4	0.03	2.1	OK

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S09-5	Tank	28.846	26.598	0.043	79.738	0.5	0.03	2.4	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S09-5	Tank	28.846	26.590	0.031	79.818	0.4	0.02	1.6	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S09-5	Tank	28.846	26.594	0.038	87.347	0.4	0.03	2.0	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S09-5	Tank	28.846	26.587	0.028	87.205	0.4	0.02	1.3	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S09-5	Tank	28.846	26.589	0.030	100.285	0.4	0.02	1.5	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S09-5	Tank	28.846	26.583	0.024	100.791	0.4	0.01	1.0	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S09-5	Tank	28.846	26.587	0.027	111.830	0.4	0.02	1.3	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S09-5	Tank	28.846	26.581	0.022	111.207	0.4	0.01	0.8	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S09-5	Tank	28.846	26.585	0.026	122.589	0.4	0.02	1.1	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S09-5	Tank	28.846	26.580	0.020	122.385	0.3	0.01	0.7	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S09-5	Tank	28.846	26.584	0.024	132.369	0.4	0.01	1.0	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S09-5	Tank	28.846	26.579	0.019	132.615	0.3	0.01	0.6	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S09-5	Tank	28.846	26.583	0.023	141.537	0.4	0.01	0.9	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S09-5	Tank	28.846	26.578	0.019	141.183	0.3	0.01	0.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-3.0003--5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S12-5	S11-5	28.755	27.103	0.087	7.859	1.2	0.3	17.5	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S12-5	S11-5	28.755	27.099	0.084	7.853	1.2	0.28	16.4	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S12-5	S11-5	28.755	27.084	0.070	10.079	1.1	0.2	11.6	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S12-5	S11-5	28.755	27.081	0.067	10.067	1.1	0.19	10.9	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S12-5	S11-5	28.755	27.078	0.064	12.497	1.1	0.17	10.0	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S12-5	S11-5	28.755	27.071	0.057	12.503	1.0	0.14	8.0	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S12-5	S11-5	28.755	27.069	0.056	16.145	1.0	0.13	7.7	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S12-5	S11-5	28.755	27.060	0.047	16.139	0.9	0.09	5.5	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S12-5	S11-5	28.755	27.063	0.050	18.533	0.9	0.11	6.2	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S12-5	S11-5	28.755	27.054	0.042	18.515	0.8	0.07	4.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S12-5	S11-5	28.755	27.059	0.046	20.339	0.9	0.09	5.3	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S12-5	S11-5	28.755	27.051	0.038	20.351	0.8	0.06	3.5	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S12-5	S11-5	28.755	27.053	0.041	23.093	0.8	0.07	4.1	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S12-5	S11-5	28.755	27.046	0.033	23.129	0.7	0.05	2.7	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S12-5	S11-5	28.755	27.050	0.037	25.277	0.8	0.06	3.4	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S12-5	S11-5	28.755	27.043	0.030	25.259	0.7	0.04	2.2	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S12-5	S11-5	28.755	27.047	0.035	27.047	0.8	0.05	3.0	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S12-5	S11-5	28.755	27.040	0.028	27.011	0.7	0.03	1.9	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S12-5	S11-5	28.755	27.045	0.033	28.559	0.7	0.04	2.6	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S12-5	S11-5	28.755	27.039	0.026	28.535	0.6	0.03	1.7	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S12-5	S11-5	28.755	27.042	0.030	31.157	0.7	0.04	2.1	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S12-5	S11-5	28.755	27.036	0.024	31.169	0.6	0.02	1.4	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S12-5	S11-5	28.755	27.038	0.026	35.255	0.6	0.03	1.6	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S12-5	S11-5	28.755	27.033	0.021	35.213	0.6	0.02	1.0	OK

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S12-5	S11-5	28.755	27.035	0.022	39.953	0.6	0.02	1.2	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S12-5	S11-5	28.755	27.030	0.018	40.055	0.5	0.01	0.8	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S12-5	S11-5	28.755	27.033	0.020	43.787	0.5	0.02	1.0	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S12-5	S11-5	28.755	27.029	0.017	43.727	0.5	0.01	0.6	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S12-5	S11-5	28.755	27.030	0.018	50.297	0.5	0.01	0.8	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S12-5	S11-5	28.755	27.027	0.015	50.579	0.4	0.01	0.5	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S12-5	S11-5	28.755	27.029	0.017	56.123	0.5	0.01	0.6	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S12-5	S11-5	28.755	27.026	0.014	55.775	0.4	0.01	0.4	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S12-5	S11-5	28.755	27.028	0.016	61.595	0.5	0.01	0.6	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S12-5	S11-5	28.755	27.025	0.013	61.415	0.4	0.01	0.4	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S12-5	S11-5	28.755	27.027	0.015	66.341	0.4	0.01	0.5	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S12-5	S11-5	28.755	27.024	0.012	66.569	0.4	0.01	0.3	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S12-5	S11-5	28.755	27.026	0.014	70.889	0.4	0.01	0.5	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S12-5	S11-5	28.755	27.024	0.012	70.667	0.4	0.01	0.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-4.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S13-5	S09-5	28.754	27.029	0.085	7.756	1.2	0.29	17.1	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S13-5	S09-5	28.754	27.026	0.083	7.782	1.2	0.28	16.1	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S13-5	S09-5	28.754	27.011	0.069	10.013	1.1	0.2	11.6	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S13-5	S09-5	28.754	27.009	0.067	10.013	1.1	0.19	10.9	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S13-5	S09-5	28.754	27.006	0.064	12.419	1.1	0.17	9.9	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S13-5	S09-5	28.754	26.999	0.057	12.431	1.0	0.14	8.0	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S13-5	S09-5	28.754	26.997	0.055	16.043	1.0	0.13	7.6	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S13-5	S09-5	28.754	26.988	0.047	16.049	0.9	0.09	5.5	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S13-5	S09-5	28.754	26.991	0.050	18.419	0.9	0.11	6.2	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S13-5	S09-5	28.754	26.983	0.041	18.431	0.8	0.07	4.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S13-5	S09-5	28.754	26.987	0.046	20.243	0.9	0.09	5.2	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S13-5	S09-5	28.754	26.979	0.038	20.225	0.8	0.06	3.5	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S13-5	S09-5	28.754	26.982	0.040	22.979	0.8	0.07	4.1	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S13-5	S09-5	28.754	26.974	0.033	22.943	0.7	0.05	2.7	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S13-5	S09-5	28.754	26.978	0.037	25.115	0.8	0.06	3.4	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S13-5	S09-5	28.754	26.971	0.030	25.115	0.7	0.04	2.2	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S13-5	S09-5	28.754	26.976	0.034	26.897	0.8	0.05	2.9	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S13-5	S09-5	28.754	26.969	0.028	26.849	0.7	0.03	1.9	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S13-5	S09-5	28.754	26.974	0.032	28.397	0.7	0.04	2.6	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S13-5	S09-5	28.754	26.967	0.026	28.415	0.6	0.03	1.7	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S13-5	S09-5	28.754	26.971	0.029	30.953	0.7	0.04	2.1	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S13-5	S09-5	28.754	26.965	0.024	30.965	0.6	0.02	1.4	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S13-5	S09-5	28.754	26.967	0.026	35.057	0.6	0.03	1.6	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S13-5	S09-5	28.754	26.962	0.021	35.027	0.6	0.02	1.0	OK

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S13-5	S09-5	28.754	26.964	0.022	39.791	0.6	0.02	1.2	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S13-5	S09-5	28.754	26.959	0.018	39.767	0.5	0.01	0.8	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S13-5	S09-5	28.754	26.962	0.020	43.565	0.6	0.02	1.0	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S13-5	S09-5	28.754	26.958	0.017	43.481	0.5	0.01	0.6	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S13-5	S09-5	28.754	26.959	0.018	49.991	0.5	0.01	0.8	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S13-5	S09-5	28.754	26.956	0.015	50.213	0.4	0.01	0.5	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S13-5	S09-5	28.754	26.958	0.017	55.709	0.5	0.01	0.6	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S13-5	S09-5	28.754	26.955	0.014	55.433	0.4	0.01	0.4	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S13-5	S09-5	28.754	26.957	0.016	60.995	0.5	0.01	0.6	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S13-5	S09-5	28.754	26.954	0.013	60.971	0.4	0.01	0.4	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S13-5	S09-5	28.754	26.956	0.015	66.029	0.4	0.01	0.5	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S13-5	S09-5	28.754	26.953	0.012	66.047	0.4	0.01	0.3	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S13-5	S09-5	28.754	26.955	0.014	70.649	0.4	0.01	0.5	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S13-5	S09-5	28.754	26.953	0.012	70.517	0.4	0.01	0.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.004-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Tank	S04-5	28.670	26.379	0.118	2.148	0.1	0.04	1.8	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	Tank	S04-5	28.670	26.379	0.118	2.148	0.1	0.04	1.8	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	Tank	S04-5	28.670	26.408	0.148	5.191	0.3	0.05	2.0	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	Tank	S04-5	28.670	26.408	0.148	5.196	0.3	0.05	2.0	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	Tank	S04-5	28.670	26.439	0.178	11.417	0.2	0.05	2.1	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	Tank	S04-5	28.670	26.439	0.179	11.453	0.2	0.05	2.1	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	Tank	S04-5	28.670	26.483	0.223	24.649	0.2	0.05	2.2	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	Tank	S04-5	28.670	26.483	0.223	24.781	0.2	0.05	2.2	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	Tank	S04-5	28.670	26.509	0.225	38.084	0.2	0.06	2.2	Surcharged
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	Tank	S04-5	28.670	26.509	0.225	38.318	0.2	0.06	2.2	Surcharged

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	Tank	S04-5	28.670	26.526	0.225	51.623	0.2	0.06	2.2	Surcharged
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	Tank	S04-5	28.670	26.526	0.225	51.960	0.2	0.06	2.2	Surcharged
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	Tank	S04-5	28.670	26.548	0.225	78.729	0.2	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	Tank	S04-5	28.670	26.549	0.225	79.265	0.2	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	Tank	S04-5	28.670	26.562	0.225	105.739	0.2	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	Tank	S04-5	28.670	26.562	0.225	106.458	0.2	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	Tank	S04-5	28.670	26.570	0.225	132.542	0.1	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	Tank	S04-5	28.670	26.571	0.225	133.426	0.2	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	Tank	S04-5	28.670	26.575	0.225	158.893	0.2	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	Tank	S04-5	28.670	26.576	0.225	159.984	0.2	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	Tank	S04-5	28.670	26.583	0.225	209.541	0.1	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	Tank	S04-5	28.670	26.580	0.225	210.911	0.1	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	Tank	S04-5	28.670	26.590	0.225	287.555	0.2	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	Tank	S04-5	28.670	26.584	0.225	288.498	0.1	0.06	2.3	Surcharged

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	Tank	S04-5	28.670	26.591	0.225	351.883	0.1	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	Tank	S04-5	28.670	26.577	0.225	352.220	0.1	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	Tank	S04-5	28.670	26.586	0.225	392.951	0.1	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	Tank	S04-5	28.670	26.564	0.225	393.386	0.1	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	Tank	S04-5	28.670	26.571	0.225	453.882	0.1	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	Tank	S04-5	28.670	26.534	0.225	454.168	0.1	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	Tank	S04-5	28.670	26.557	0.225	506.805	0.1	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	Tank	S04-5	28.670	26.506	0.225	504.640	0.1	0.06	2.2	Surcharged
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	Tank	S04-5	28.670	26.543	0.225	555.023	0.1	0.06	2.3	Surcharged
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	Tank	S04-5	28.670	26.482	0.222	554.288	0.1	0.05	2.2	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	Tank	S04-5	28.670	26.529	0.225	599.448	0.1	0.06	2.2	Surcharged
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	Tank	S04-5	28.670	26.462	0.201	600.661	0.1	0.05	2.1	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	Tank	S04-5	28.670	26.518	0.225	642.548	0.1	0.06	2.2	Surcharged
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	Tank	S04-5	28.670	26.444	0.183	641.871	0.1	0.05	2.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-3.002-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S11-5	S10-5	28.558	26.866	0.111	7.883	0.7	0.27	16.3	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S11-5	S10-5	28.558	26.862	0.107	7.876	0.7	0.25	15.3	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S11-5	S10-5	28.558	26.846	0.093	10.100	0.6	0.19	11.6	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S11-5	S10-5	28.558	26.844	0.090	10.087	0.6	0.18	10.9	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S11-5	S10-5	28.558	26.840	0.085	12.513	0.6	0.16	10.0	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S11-5	S10-5	28.558	26.832	0.075	12.517	0.6	0.13	8.0	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S11-5	S10-5	28.558	26.830	0.073	16.157	0.6	0.13	7.7	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S11-5	S10-5	28.558	26.820	0.061	16.149	0.5	0.09	5.5	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S11-5	S10-5	28.558	26.823	0.065	18.543	0.6	0.1	6.2	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S11-5	S10-5	28.558	26.813	0.053	18.523	0.5	0.07	4.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S11-5	S10-5	28.558	26.818	0.059	20.347	0.5	0.09	5.3	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S11-5	S10-5	28.558	26.808	0.049	20.358	0.5	0.06	3.6	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S11-5	S10-5	28.558	26.811	0.052	23.100	0.5	0.07	4.1	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S11-5	S10-5	28.558	26.802	0.043	23.134	0.4	0.04	2.7	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S11-5	S10-5	28.558	26.807	0.048	25.283	0.5	0.06	3.4	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S11-5	S10-5	28.558	26.798	0.039	25.264	0.4	0.04	2.2	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S11-5	S10-5	28.558	26.803	0.045	27.053	0.4	0.05	3.0	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S11-5	S10-5	28.558	26.795	0.036	27.015	0.4	0.03	1.9	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S11-5	S10-5	28.558	26.801	0.042	28.564	0.4	0.04	2.6	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S11-5	S10-5	28.558	26.793	0.034	28.538	0.4	0.03	1.7	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S11-5	S10-5	28.558	26.797	0.038	31.162	0.4	0.03	2.1	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S11-5	S10-5	28.558	26.789	0.031	31.172	0.4	0.02	1.4	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S11-5	S10-5	28.558	26.792	0.033	35.259	0.4	0.03	1.6	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S11-5	S10-5	28.558	26.785	0.027	35.215	0.3	0.02	1.0	OK

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S11-5	S10-5	28.558	26.788	0.029	39.956	0.3	0.02	1.2	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S11-5	S10-5	28.558	26.782	0.024	40.056	0.3	0.01	0.8	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S11-5	S10-5	28.558	26.785	0.026	43.790	0.3	0.02	1.0	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S11-5	S10-5	28.558	26.780	0.022	43.728	0.3	0.01	0.6	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S11-5	S10-5	28.558	26.782	0.023	50.299	0.3	0.01	0.8	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S11-5	S10-5	28.558	26.777	0.019	50.580	0.3	0.01	0.5	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S11-5	S10-5	28.558	26.780	0.022	56.125	0.3	0.01	0.6	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S11-5	S10-5	28.558	26.776	0.018	55.776	0.2	0.01	0.4	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S11-5	S10-5	28.558	26.779	0.020	61.597	0.3	0.01	0.6	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S11-5	S10-5	28.558	26.775	0.017	61.416	0.2	0.01	0.4	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S11-5	S10-5	28.558	26.778	0.019	66.343	0.3	0.01	0.5	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S11-5	S10-5	28.558	26.774	0.016	66.570	0.2	0.01	0.3	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S11-5	S10-5	28.558	26.777	0.019	70.891	0.3	0.01	0.5	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S11-5	S10-5	28.558	26.774	0.015	70.668	0.2	0	0.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.003-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S03-5	Tank	28.711	27.129	0.300	75.326	1.8	1.82	128.9	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S03-5	Tank	28.711	27.111	0.300	75.322	1.7	1.74	123.1	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S03-5	Tank	28.711	27.080	0.300	98.392	1.6	1.59	112.4	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S03-5	Tank	28.711	27.061	0.300	98.383	1.5	1.49	105.3	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S03-5	Tank	28.711	27.030	0.288	123.171	1.4	1.38	97.4	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S03-5	Tank	28.711	26.968	0.245	123.179	1.3	1.1	78.0	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S03-5	Tank	28.711	26.942	0.225	144.638	1.2	0.97	68.3	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S03-5	Tank	28.711	26.896	0.186	144.620	1.1	0.7	49.4	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S03-5	Tank	28.711	26.905	0.195	159.070	1.1	0.75	53.3	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S03-5	Tank	28.711	26.863	0.158	159.088	1.0	0.52	36.7	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S03-5	Tank	28.711	26.882	0.175	170.238	1.0	0.62	44.1	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S03-5	Tank	28.711	26.844	0.140	170.218	0.9	0.42	29.7	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S03-5	Tank	28.711	26.854	0.149	187.321	0.9	0.47	33.2	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S03-5	Tank	28.711	26.820	0.119	187.350	0.8	0.31	21.8	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S03-5	Tank	28.711	26.837	0.134	200.730	0.9	0.39	27.2	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S03-5	Tank	28.711	26.806	0.106	200.765	0.8	0.25	17.6	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S03-5	Tank	28.711	26.824	0.122	211.958	0.9	0.33	23.1	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S03-5	Tank	28.711	26.799	0.116	211.951	0.8	0.21	14.9	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S03-5	Tank	28.711	26.815	0.126	221.817	0.8	0.28	20.1	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S03-5	Tank	28.711	26.809	0.126	221.758	0.7	0.18	13.0	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S03-5	Tank	28.711	26.820	0.138	238.433	0.8	0.23	16.2	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S03-5	Tank	28.711	26.821	0.138	238.418	0.7	0.15	10.5	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S03-5	Tank	28.711	26.826	0.144	265.010	0.7	0.17	12.0	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S03-5	Tank	28.711	26.827	0.144	264.900	0.6	0.11	7.8	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S03-5	Tank	28.711	26.825	0.143	295.469	0.7	0.13	8.9	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S03-5	Tank	28.711	26.818	0.136	295.096	0.6	0.08	5.8	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S03-5	Tank	28.711	26.820	0.137	320.286	0.6	0.1	7.3	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S03-5	Tank	28.711	26.807	0.124	320.053	0.6	0.07	4.7	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S03-5	Tank	28.711	26.803	0.120	361.096	0.6	0.08	5.5	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S03-5	Tank	28.711	26.773	0.090	361.166	0.5	0.05	3.5	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S03-5	Tank	28.711	26.784	0.101	396.265	0.5	0.06	4.5	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S03-5	Tank	28.711	26.738	0.053	396.300	0.5	0.04	2.9	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S03-5	Tank	28.711	26.767	0.084	428.362	0.5	0.06	3.9	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S03-5	Tank	28.711	26.735	0.039	428.765	0.5	0.04	2.5	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S03-5	Tank	28.711	26.749	0.066	458.279	0.5	0.05	3.5	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S03-5	Tank	28.711	26.733	0.036	459.266	0.5	0.03	2.2	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S03-5	Tank	28.711	26.740	0.052	487.699	0.5	0.04	3.2	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S03-5	Tank	28.711	26.731	0.035	488.162	0.4	0.03	2.0	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-5.001-5 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.948	0.173	17.079	0.8	0.51	35.7	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.943	0.167	17.082	0.8	0.48	33.8	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.919	0.140	22.303	0.8	0.36	25.7	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.914	0.134	22.297	0.8	0.34	24.2	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.909	0.128	27.921	0.8	0.32	22.3	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.895	0.113	27.910	0.7	0.25	18.0	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.887	0.104	32.777	0.7	0.22	15.6	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.872	0.087	32.771	0.7	0.16	11.2	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.875	0.091	36.047	0.7	0.17	12.1	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.861	0.074	36.065	0.6	0.12	8.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.868	0.082	38.585	0.6	0.14	10.0	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.854	0.067	38.586	0.6	0.1	6.7	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.858	0.071	42.456	0.6	0.11	7.5	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.845	0.057	42.432	0.5	0.07	4.9	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.851	0.064	45.498	0.6	0.09	6.2	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.840	0.051	45.552	0.5	0.06	4.0	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.847	0.059	48.054	0.5	0.07	5.2	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.836	0.047	48.072	0.5	0.05	3.4	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.843	0.055	50.280	0.5	0.06	4.6	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.833	0.044	50.250	0.5	0.04	2.9	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.838	0.049	54.042	0.5	0.05	3.7	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.829	0.040	53.988	0.4	0.03	2.4	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.832	0.042	60.072	0.4	0.04	2.7	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.824	0.034	60.030	0.4	0.02	1.8	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.827	0.037	67.050	0.4	0.03	2.0	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.820	0.030	66.948	0.4	0.02	1.3	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.823	0.033	72.390	0.4	0.02	1.6	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.818	0.027	72.594	0.3	0.02	1.1	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.819	0.029	81.768	0.4	0.02	1.2	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.814	0.023	81.774	0.3	0.01	0.8	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.817	0.026	90.078	0.3	0.01	1.0	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.812	0.021	89.994	0.3	0.01	0.6	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.815	0.025	97.716	0.3	0.01	0.9	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.811	0.020	97.380	0.3	0.01	0.6	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.814	0.023	104.340	0.3	0.01	0.8	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.810	0.019	104.418	0.3	0.01	0.5	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.813	0.022	111.540	0.3	0.01	0.7	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.809	0.018	111.270	0.3	0.01	0.5	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.000-5 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.647	0.300	2.463	0.4	0.3	21.5	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.539	0.300	2.452	0.3	0.28	20.0	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.383	0.300	3.159	0.2	0.1	6.9	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.324	0.300	3.141	0.2	0.11	7.5	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.252	0.300	3.935	0.2	0.1	7.3	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.119	0.212	3.938	0.2	0.07	4.8	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.061	0.154	4.632	0.1	0.03	2.1	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.019	0.100	4.634	0.1	0.02	1.6	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.020	0.106	5.091	0.1	0.02	1.7	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.015	0.081	5.104	0.1	0.02	1.2	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.017	0.092	5.458	0.1	0.02	1.4	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.012	0.070	5.460	0.1	0.01	0.9	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.014	0.075	6.006	0.1	0.01	1.1	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.009	0.058	6.007	0.1	0.01	0.7	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.012	0.066	6.432	0.1	0.01	0.9	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.008	0.051	6.464	0.1	0.01	0.6	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.010	0.060	6.793	0.1	0.01	0.7	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.006	0.047	6.789	0.1	0.01	0.5	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.009	0.055	7.117	0.1	0.01	0.6	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.005	0.043	7.083	0.1	0.01	0.4	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.007	0.049	7.658	0.1	0.01	0.5	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.004	0.039	7.665	0.1	0	0.3	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.005	0.042	8.505	0.1	0.01	0.4	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.002	0.034	8.458	0.1	0	0.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.003	0.036	9.501	0.1	0	0.3	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.000	0.029	9.382	0.1	0	0.2	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.001	0.032	10.197	0.1	0	0.2	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S01-5	S02 - 5	28.623	26.999	0.026	10.396	0.1	0	0.2	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.000	0.028	11.667	0.1	0	0.2	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S01-5	S02 - 5	28.623	26.997	0.023	11.602	0.0	0	0.1	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S01-5	S02 - 5	28.623	26.998	0.026	12.574	0.0	0	0.1	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S01-5	S02 - 5	28.623	26.996	0.020	12.983	0.0	0	0.1	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S01-5	S02 - 5	28.623	26.997	0.024	13.486	0.0	0	0.1	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S01-5	S02 - 5	28.623	26.996	0.019	13.475	0.0	0	0.1	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S01-5	S02 - 5	28.623	26.997	0.022	14.410	0.0	0	0.1	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S01-5	S02 - 5	28.623	26.995	0.018	14.405	0.0	0	0.1	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S01-5	S02 - 5	28.623	26.997	0.021	15.478	0.0	0	0.1	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S01-5	S02 - 5	28.623	26.995	0.017	15.353	0.0	0	0.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.001-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.614	0.300	50.076	1.2	1.24	87.3	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.509	0.300	50.073	1.1	1.1	77.9	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.382	0.300	65.338	1.1	1.06	74.6	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.323	0.300	65.334	1.0	0.99	69.8	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.252	0.300	81.762	0.9	0.92	64.7	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.118	0.300	81.761	0.7	0.73	51.7	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.060	0.255	96.005	0.7	0.64	45.4	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.994	0.191	95.999	0.7	0.46	32.8	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.006	0.203	105.581	0.7	0.5	35.4	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.959	0.154	105.599	0.7	0.35	24.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.979	0.176	113.015	0.7	0.41	29.3	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.941	0.134	113.009	0.6	0.28	19.7	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.950	0.144	124.338	0.7	0.31	22.0	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.920	0.111	124.356	0.6	0.21	14.5	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.934	0.127	133.264	0.6	0.26	18.1	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.908	0.098	133.276	0.6	0.17	11.7	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.923	0.114	140.713	0.6	0.22	15.3	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.900	0.089	140.713	0.6	0.14	9.9	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.915	0.105	147.242	0.6	0.19	13.4	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.895	0.082	147.195	0.6	0.12	8.6	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.904	0.093	158.308	0.6	0.15	10.8	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.887	0.073	158.260	0.5	0.1	6.9	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.892	0.078	175.865	0.5	0.11	8.0	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.878	0.062	175.859	0.5	0.07	5.2	OK

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.882	0.067	196.089	0.5	0.08	5.9	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.871	0.054	195.897	0.4	0.05	3.8	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.877	0.060	212.429	0.5	0.07	4.8	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.867	0.048	212.559	0.4	0.04	3.1	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.870	0.052	239.839	0.4	0.05	3.6	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.861	0.042	239.705	0.4	0.03	2.3	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.866	0.047	262.878	0.4	0.04	3.0	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.858	0.038	263.129	0.4	0.03	1.9	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.863	0.044	284.339	0.4	0.04	2.6	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.856	0.035	284.315	0.4	0.02	1.7	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.861	0.042	304.103	0.4	0.03	2.3	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.854	0.034	304.193	0.3	0.02	1.5	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.859	0.040	323.693	0.4	0.03	2.1	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.853	0.032	324.275	0.3	0.02	1.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.002-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.439	0.300	75.413	2.0	1.95	138.2	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.371	0.300	75.412	1.8	1.81	128.1	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.271	0.300	98.429	1.6	1.59	112.7	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.227	0.300	98.422	1.5	1.49	105.6	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.171	0.300	123.188	1.4	1.38	97.7	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.065	0.295	123.198	1.1	1.1	78.2	Surcharged
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.023	0.261	144.657	1.0	0.97	68.4	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.960	0.206	144.638	1.0	0.7	49.4	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.972	0.217	159.100	1.0	0.75	53.3	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.921	0.171	159.117	0.9	0.52	36.7	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.944	0.192	170.280	0.9	0.62	44.1	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.899	0.150	170.261	0.8	0.42	29.7	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.910	0.160	187.373	0.9	0.47	33.2	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.874	0.125	187.402	0.8	0.31	21.8	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.892	0.143	200.784	0.8	0.38	27.2	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.859	0.111	200.820	0.7	0.25	17.6	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.878	0.129	212.010	0.8	0.33	23.1	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.849	0.101	212.004	0.7	0.21	14.9	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.868	0.120	221.869	0.8	0.28	20.1	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.841	0.094	221.808	0.7	0.18	13.0	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.854	0.106	238.483	0.7	0.23	16.2	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.831	0.100	238.464	0.7	0.15	10.5	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.837	0.105	265.057	0.7	0.17	12.0	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.827	0.106	264.942	0.6	0.11	7.8	OK

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.826	0.104	295.513	0.6	0.13	8.9	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.819	0.097	295.133	0.6	0.08	5.8	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.820	0.098	320.325	0.6	0.1	7.3	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.807	0.085	320.086	0.5	0.07	4.7	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.807	0.082	361.121	0.6	0.08	5.5	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.795	0.053	361.184	0.5	0.05	3.5	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.801	0.064	396.286	0.5	0.06	4.5	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.790	0.043	396.312	0.5	0.04	2.9	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.797	0.050	428.379	0.5	0.05	3.9	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.787	0.040	428.772	0.4	0.04	2.5	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.794	0.047	458.294	0.5	0.05	3.5	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.785	0.038	459.270	0.4	0.03	2.2	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.792	0.045	487.711	0.5	0.04	3.2	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.784	0.036	488.166	0.4	0.03	2.0	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-2.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.660	0.300	2.462	0.5	0.02	1.7	Flood Risk
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.549	0.300	2.453	0.6	0.02	1.8	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.384	0.264	3.176	0.5	0.03	3.5	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.325	0.205	3.167	0.5	0.03	3.3	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.283	0.148	3.956	0.5	0.03	3.2	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.280	0.080	3.958	0.5	0.02	2.5	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.279	0.050	4.646	0.5	0.02	2.2	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.275	0.028	4.645	0.5	0.01	1.6	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.276	0.029	5.101	0.5	0.02	1.7	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.272	0.024	5.113	0.4	0.01	1.2	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.274	0.026	5.467	0.5	0.01	1.4	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.270	0.022	5.466	0.4	0.01	0.9	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.271	0.023	6.012	0.4	0.01	1.1	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.267	0.019	6.012	0.4	0.01	0.7	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.269	0.021	6.438	0.4	0.01	0.9	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.266	0.017	6.468	0.4	0.01	0.6	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.268	0.019	6.798	0.4	0.01	0.7	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.265	0.016	6.792	0.3	0	0.5	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.267	0.018	7.122	0.4	0.01	0.6	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.264	0.015	7.086	0.3	0	0.4	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.265	0.016	7.662	0.3	0	0.5	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.262	0.014	7.668	0.3	0	0.3	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.263	0.014	8.508	0.3	0	0.4	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.261	0.012	8.460	0.3	0	0.3	OK

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.262	0.013	9.504	0.3	0	0.3	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.259	0.010	9.384	0.2	0	0.2	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.260	0.011	10.200	0.3	0	0.2	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.259	0.009	10.398	0.2	0	0.2	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.259	0.010	11.670	0.2	0	0.2	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.257	0.008	11.604	0.2	0	0.1	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.258	0.009	12.576	0.2	0	0.1	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.257	0.007	12.984	0.2	0	0.1	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.258	0.008	13.488	0.2	0	0.1	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.256	0.006	13.476	0.2	0	0.1	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.257	0.008	14.412	0.2	0	0.1	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.256	0.006	14.406	0.2	0	0.1	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.257	0.007	15.480	0.2	0	0.1	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.256	0.006	15.354	0.2	0	0.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.005 - 5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S04-5	EX	28.502	26.488	0.037	2.637	0.5	0.06	2.2	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S04-5	EX	28.502	26.488	0.037	2.648	0.5	0.06	2.2	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S04-5	EX	28.502	26.554	0.037	6.099	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S04-5	EX	28.502	26.554	0.037	6.125	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S04-5	EX	28.502	26.623	0.038	12.987	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S04-5	EX	28.502	26.623	0.038	13.077	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S04-5	EX	28.502	26.677	0.038	26.772	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S04-5	EX	28.502	26.677	0.038	26.958	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S04-5	EX	28.502	26.709	0.038	40.549	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S04-5	EX	28.502	26.709	0.038	40.826	0.5	0.06	2.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S04-5	EX	28.502	26.733	0.038	54.328	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S04-5	EX	28.502	26.733	0.038	54.689	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S04-5	EX	28.502	26.764	0.038	81.853	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S04-5	EX	28.502	26.764	0.038	82.388	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S04-5	EX	28.502	26.784	0.038	109.418	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S04-5	EX	28.502	26.784	0.038	110.136	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S04-5	EX	28.502	26.798	0.038	137.039	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S04-5	EX	28.502	26.798	0.038	137.948	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S04-5	EX	28.502	26.808	0.038	164.707	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S04-5	EX	28.502	26.808	0.038	165.825	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S04-5	EX	28.502	26.820	0.038	220.323	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S04-5	EX	28.502	26.820	0.038	221.893	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S04-5	EX	28.502	26.826	0.038	332.354	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S04-5	EX	28.502	26.826	0.038	334.965	0.5	0.06	2.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S04-5	EX	28.502	26.825	0.038	491.834	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S04-5	EX	28.502	26.818	0.038	495.040	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S04-5	EX	28.502	26.819	0.038	585.373	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S04-5	EX	28.502	26.806	0.038	586.549	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S04-5	EX	28.502	26.802	0.038	677.856	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S04-5	EX	28.502	26.772	0.038	677.694	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S04-5	EX	28.502	26.783	0.038	744.823	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S04-5	EX	28.502	26.734	0.038	745.689	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S04-5	EX	28.502	26.766	0.038	806.153	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S04-5	EX	28.502	26.698	0.038	806.247	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S04-5	EX	28.502	26.748	0.038	862.036	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S04-5	EX	28.502	26.664	0.038	863.408	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S04-5	EX	28.502	26.733	0.038	919.029	0.5	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S04-5	EX	28.502	26.633	0.038	918.687	0.5	0.06	2.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-5.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.819	0.178	35.244	1.7	0.59	73.9	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.812	0.171	35.246	1.7	0.56	69.8	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.781	0.144	46.016	1.6	0.43	53.1	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.775	0.139	46.010	1.6	0.4	49.8	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.769	0.133	57.598	1.5	0.37	46.1	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.752	0.117	57.586	1.4	0.3	37.1	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.742	0.108	67.625	1.4	0.26	32.1	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.723	0.090	67.619	1.3	0.19	23.1	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.727	0.094	74.369	1.3	0.2	24.9	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.709	0.077	74.399	1.2	0.14	17.2	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.717	0.085	79.613	1.2	0.17	20.6	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.700	0.069	79.607	1.1	0.11	13.9	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.705	0.073	87.605	1.2	0.12	15.5	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.690	0.059	87.575	1.0	0.08	10.2	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.697	0.066	93.863	1.1	0.1	12.7	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.683	0.053	93.935	1.0	0.07	8.2	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.691	0.061	99.125	1.1	0.09	10.8	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.679	0.049	99.179	0.9	0.06	7.0	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.687	0.057	103.721	1.0	0.08	9.4	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.675	0.046	103.655	0.9	0.05	6.1	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.681	0.051	111.497	1.0	0.06	7.6	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.671	0.041	111.395	0.8	0.04	4.9	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.674	0.044	123.929	0.9	0.05	5.6	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.665	0.035	123.749	0.8	0.03	3.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.668	0.038	138.245	0.8	0.03	4.2	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.660	0.031	138.017	0.7	0.02	2.7	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.664	0.034	149.447	0.8	0.03	3.4	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.657	0.028	149.711	0.7	0.02	2.2	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.659	0.030	169.001	0.7	0.02	2.6	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.654	0.024	168.743	0.6	0.01	1.6	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.657	0.027	185.399	0.7	0.02	2.1	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.651	0.022	185.795	0.6	0.01	1.3	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.655	0.025	200.867	0.6	0.01	1.8	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.650	0.021	200.447	0.6	0.01	1.2	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.653	0.024	214.373	0.6	0.01	1.6	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.649	0.020	214.529	0.5	0.01	1.0	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.652	0.023	229.013	0.6	0.01	1.5	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.648	0.019	228.479	0.5	0.01	0.9	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-5.002-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S08-5	S07-5	28.888	28.315	0.093	1.392	0.2	0.02	3.0	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S08-5	S07-5	28.888	28.315	0.090	1.391	0.2	0.02	2.8	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S08-5	S07-5	28.888	28.311	0.076	1.818	0.1	0.02	2.1	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S08-5	S07-5	28.888	28.310	0.074	1.818	0.1	0.02	2.0	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S08-5	S07-5	28.888	28.309	0.070	2.280	0.1	0.01	1.8	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S08-5	S07-5	28.888	28.307	0.063	2.274	0.1	0.01	1.5	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S08-5	S07-5	28.888	28.305	0.058	2.670	0.1	0.01	1.3	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S08-5	S07-5	28.888	28.302	0.049	2.664	0.1	0.01	0.9	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S08-5	S07-5	28.888	28.303	0.051	2.940	0.1	0.01	1.0	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S08-5	S07-5	28.888	28.300	0.042	2.946	0.1	0.01	0.7	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S08-5	S07-5	28.888	28.302	0.046	3.156	0.1	0.01	0.8	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S08-5	S07-5	28.888	28.299	0.038	3.150	0.1	0	0.5	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S08-5	S07-5	28.888	28.299	0.040	3.468	0.1	0	0.6	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S08-5	S07-5	28.888	28.297	0.033	3.462	0.1	0	0.4	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S08-5	S07-5	28.888	28.298	0.036	3.720	0.1	0	0.5	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S08-5	S07-5	28.888	28.296	0.030	3.744	0.1	0	0.3	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S08-5	S07-5	28.888	28.297	0.034	3.942	0.1	0	0.4	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S08-5	S07-5	28.888	28.295	0.027	3.930	0.1	0	0.3	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S08-5	S07-5	28.888	28.297	0.031	4.104	0.1	0	0.4	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S08-5	S07-5	28.888	28.294	0.026	4.086	0.1	0	0.2	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S08-5	S07-5	28.888	28.295	0.028	4.410	0.1	0	0.3	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S08-5	S07-5	28.888	28.294	0.023	4.374	0.1	0	0.2	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S08-5	S07-5	28.888	28.294	0.025	4.902	0.1	0	0.2	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S08-5	S07-5	28.888	28.292	0.020	4.950	0.1	0	0.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S08-5	S07-5	28.888	28.293	0.021	5.538	0.1	0	0.2	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S08-5	S07-5	28.888	28.291	0.017	5.514	0.1	0	0.1	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S08-5	S07-5	28.888	28.292	0.019	5.778	0.1	0	0.1	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S08-5	S07-5	28.888	28.290	0.016	6.048	0.1	0	0.1	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S08-5	S07-5	28.888	28.291	0.017	6.594	0.1	0	0.1	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S08-5	S07-5	28.888	28.290	0.014	6.570	0.1	0	0.1	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S08-5	S07-5	28.888	28.290	0.015	7.542	0.1	0	0.1	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S08-5	S07-5	28.888	28.289	0.012	7.326	0.1	0	0.1	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S08-5	S07-5	28.888	28.290	0.014	8.466	0.1	0	0.1	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S08-5	S07-5	28.888	28.289	0.012	8.046	0.1	0	0.1	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S08-5	S07-5	28.888	28.289	0.013	9.138	0.1	0	0.1	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S08-5	S07-5	28.888	28.289	0.011	8.922	0.1	0	0.0	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S08-5	S07-5	28.888	28.289	0.013	9.804	0.1	0	0.1	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S08-5	S07-5	28.888	28.289	0.011	9.672	0.1	0	0.0	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-3.001-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S10-5	S09-5	28.560	26.801	0.212	15.658	0.6	0.44	27.4	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S10-5	S09-5	28.560	26.794	0.204	15.654	0.5	0.42	26.2	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S10-5	S09-5	28.560	26.771	0.180	20.480	0.5	0.38	23.7	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S10-5	S09-5	28.560	26.763	0.173	20.480	0.5	0.35	22.2	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S10-5	S09-5	28.560	26.754	0.164	25.623	0.5	0.33	20.5	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S10-5	S09-5	28.560	26.732	0.142	25.630	0.5	0.26	16.5	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S10-5	S09-5	28.560	26.720	0.130	29.841	0.5	0.23	14.3	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S10-5	S09-5	28.560	26.696	0.106	29.838	0.5	0.16	10.3	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S10-5	S09-5	28.560	26.709	0.128	32.693	0.5	0.18	11.1	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S10-5	S09-5	28.560	26.709	0.128	32.685	0.4	0.12	7.7	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S10-5	S09-5	28.560	26.733	0.151	34.918	0.5	0.15	9.2	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S10-5	S09-5	28.560	26.733	0.151	34.918	0.4	0.1	6.2	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S10-5	S09-5	28.560	26.764	0.182	38.395	0.4	0.11	6.9	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S10-5	S09-5	28.560	26.764	0.182	38.403	0.4	0.07	4.6	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S10-5	S09-5	28.560	26.784	0.202	41.224	0.4	0.09	5.7	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S10-5	S09-5	28.560	26.784	0.203	41.263	0.4	0.06	3.7	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S10-5	S09-5	28.560	26.798	0.216	43.641	0.4	0.08	4.8	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S10-5	S09-5	28.560	26.798	0.217	43.689	0.4	0.05	3.1	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S10-5	S09-5	28.560	26.808	0.226	45.818	0.4	0.07	4.2	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S10-5	S09-5	28.560	26.808	0.227	45.846	0.3	0.04	2.7	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S10-5	S09-5	28.560	26.820	0.238	49.579	0.4	0.05	3.4	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S10-5	S09-5	28.560	26.820	0.239	49.552	0.3	0.03	2.2	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S10-5	S09-5	28.560	26.826	0.244	55.195	0.3	0.04	2.5	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S10-5	S09-5	28.560	26.826	0.245	55.087	0.3	0.03	1.6	OK

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S10-5	S09-5	28.560	26.825	0.243	61.543	0.3	0.03	1.9	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S10-5	S09-5	28.560	26.818	0.236	61.440	0.3	0.02	1.2	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S10-5	S09-5	28.560	26.819	0.238	66.678	0.3	0.02	1.5	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S10-5	S09-5	28.560	26.806	0.224	66.558	0.3	0.02	1.0	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S10-5	S09-5	28.560	26.802	0.220	75.222	0.3	0.02	1.1	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S10-5	S09-5	28.560	26.772	0.190	75.209	0.2	0.01	0.7	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S10-5	S09-5	28.560	26.783	0.202	82.544	0.3	0.01	0.9	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S10-5	S09-5	28.560	26.734	0.152	82.676	0.2	0.01	0.6	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S10-5	S09-5	28.560	26.766	0.185	89.252	0.2	0.01	0.8	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S10-5	S09-5	28.560	26.698	0.117	89.414	0.2	0.01	0.5	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S10-5	S09-5	28.560	26.748	0.166	95.204	0.2	0.01	0.7	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S10-5	S09-5	28.560	26.664	0.082	95.497	0.2	0.01	0.5	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S10-5	S09-5	28.560	26.733	0.151	101.738	0.2	0.01	0.7	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S10-5	S09-5	28.560	26.634	0.052	101.724	0.2	0.01	0.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-3.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S09-5	Tank	28.846	26.786	0.209	31.250	1.1	0.85	60.2	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S09-5	Tank	28.846	26.778	0.203	31.238	1.1	0.81	57.1	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S09-5	Tank	28.846	26.753	0.182	40.773	1.1	0.67	47.2	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S09-5	Tank	28.846	26.746	0.175	40.791	1.0	0.63	44.3	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S09-5	Tank	28.846	26.738	0.168	50.910	1.0	0.58	40.9	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S09-5	Tank	28.846	26.716	0.149	50.947	0.9	0.47	32.9	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S09-5	Tank	28.846	26.704	0.137	59.444	0.9	0.4	28.5	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S09-5	Tank	28.846	26.679	0.129	59.429	0.8	0.29	20.5	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S09-5	Tank	28.846	26.710	0.162	65.160	0.8	0.31	22.1	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S09-5	Tank	28.846	26.710	0.162	65.149	0.8	0.22	15.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S09-5	Tank	28.846	26.733	0.185	69.640	0.8	0.26	18.3	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S09-5	Tank	28.846	26.733	0.185	69.642	0.7	0.17	12.3	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S09-5	Tank	28.846	26.764	0.216	76.624	0.7	0.19	13.8	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S09-5	Tank	28.846	26.764	0.216	76.630	0.7	0.13	9.1	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S09-5	Tank	28.846	26.784	0.236	82.250	0.7	0.16	11.3	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S09-5	Tank	28.846	26.785	0.237	82.270	0.6	0.1	7.3	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S09-5	Tank	28.846	26.798	0.250	87.040	0.7	0.14	9.6	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S09-5	Tank	28.846	26.798	0.251	87.077	0.6	0.09	6.2	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S09-5	Tank	28.846	26.808	0.260	91.339	0.6	0.12	8.4	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S09-5	Tank	28.846	26.809	0.261	91.375	0.6	0.08	5.4	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S09-5	Tank	28.846	26.820	0.272	98.692	0.6	0.1	6.7	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S09-5	Tank	28.846	26.821	0.273	98.705	0.5	0.06	4.4	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S09-5	Tank	28.846	26.826	0.278	110.019	0.6	0.07	5.0	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S09-5	Tank	28.846	26.827	0.279	109.850	0.5	0.05	3.2	OK

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S09-5	Tank	28.846	26.825	0.277	122.713	0.5	0.05	3.7	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S09-5	Tank	28.846	26.818	0.270	122.656	0.5	0.03	2.4	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S09-5	Tank	28.846	26.819	0.272	132.891	0.5	0.04	3.0	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S09-5	Tank	28.846	26.806	0.258	132.893	0.4	0.03	1.9	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S09-5	Tank	28.846	26.802	0.254	150.064	0.5	0.03	2.3	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S09-5	Tank	28.846	26.772	0.224	149.988	0.4	0.02	1.5	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S09-5	Tank	28.846	26.783	0.236	164.452	0.4	0.03	1.9	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S09-5	Tank	28.846	26.734	0.186	164.855	0.4	0.02	1.2	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S09-5	Tank	28.846	26.767	0.219	177.881	0.4	0.02	1.6	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S09-5	Tank	28.846	26.699	0.151	177.972	0.4	0.01	1.0	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S09-5	Tank	28.846	26.748	0.200	190.158	0.4	0.02	1.4	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S09-5	Tank	28.846	26.664	0.116	190.374	0.4	0.01	0.9	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S09-5	Tank	28.846	26.733	0.185	202.979	0.4	0.02	1.3	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S09-5	Tank	28.846	26.634	0.086	202.698	0.4	0.01	0.9	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-3.0003--5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S12-5	S11-5	28.755	27.151	0.132	15.707	1.4	0.6	35.1	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S12-5	S11-5	28.755	27.146	0.127	15.704	1.4	0.57	33.0	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S12-5	S11-5	28.755	27.119	0.103	20.495	1.3	0.41	23.7	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S12-5	S11-5	28.755	27.115	0.100	20.495	1.3	0.38	22.2	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S12-5	S11-5	28.755	27.111	0.095	25.643	1.3	0.35	20.5	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S12-5	S11-5	28.755	27.099	0.084	25.649	1.2	0.28	16.5	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S12-5	S11-5	28.755	27.092	0.078	30.113	1.2	0.25	14.3	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S12-5	S11-5	28.755	27.079	0.065	30.107	1.1	0.18	10.3	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S12-5	S11-5	28.755	27.082	0.068	33.131	1.1	0.19	11.1	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S12-5	S11-5	28.755	27.069	0.056	33.119	1.0	0.13	7.7	OK

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S12-5	S11-5	28.755	27.075	0.062	35.453	1.0	0.16	9.2	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S12-5	S11-5	28.755	27.063	0.050	35.447	0.9	0.11	6.2	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S12-5	S11-5	28.755	27.066	0.053	38.993	1.0	0.12	6.9	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S12-5	S11-5	28.755	27.056	0.043	38.993	0.9	0.08	4.6	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S12-5	S11-5	28.755	27.061	0.048	41.789	0.9	0.1	5.7	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S12-5	S11-5	28.755	27.051	0.039	41.819	0.8	0.06	3.7	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S12-5	S11-5	28.755	27.057	0.044	44.117	0.9	0.08	4.8	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S12-5	S11-5	28.755	27.048	0.036	44.153	0.8	0.05	3.1	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S12-5	S11-5	28.755	27.054	0.041	46.175	0.8	0.07	4.2	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S12-5	S11-5	28.755	27.046	0.033	46.187	0.7	0.05	2.7	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S12-5	S11-5	28.755	27.050	0.037	49.667	0.8	0.06	3.4	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S12-5	S11-5	28.755	27.042	0.030	49.625	0.7	0.04	2.2	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S12-5	S11-5	28.755	27.044	0.032	55.187	0.7	0.04	2.5	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S12-5	S11-5	28.755	27.038	0.026	55.079	0.6	0.03	1.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S12-5	S11-5	28.755	27.040	0.028	61.535	0.7	0.03	1.9	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S12-5	S11-5	28.755	27.035	0.022	61.433	0.6	0.02	1.2	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S12-5	S11-5	28.755	27.037	0.025	66.671	0.6	0.03	1.5	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S12-5	S11-5	28.755	27.033	0.020	66.551	0.5	0.02	1.0	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S12-5	S11-5	28.755	27.034	0.022	75.215	0.6	0.02	1.1	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S12-5	S11-5	28.755	27.030	0.018	75.203	0.5	0.01	0.7	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S12-5	S11-5	28.755	27.032	0.020	82.541	0.5	0.02	0.9	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S12-5	S11-5	28.755	27.028	0.016	82.673	0.5	0.01	0.6	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S12-5	S11-5	28.755	27.031	0.019	89.249	0.5	0.01	0.8	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S12-5	S11-5	28.755	27.027	0.015	89.411	0.4	0.01	0.5	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S12-5	S11-5	28.755	27.030	0.018	95.201	0.5	0.01	0.7	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S12-5	S11-5	28.755	27.027	0.014	95.495	0.4	0.01	0.5	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S12-5	S11-5	28.755	27.029	0.017	101.735	0.5	0.01	0.7	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S12-5	S11-5	28.755	27.026	0.014	101.723	0.4	0.01	0.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-4.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S13-5	S09-5	28.754	27.076	0.144	15.466	1.3	0.6	35.0	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S13-5	S09-5	28.754	27.071	0.138	15.486	1.3	0.57	32.9	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S13-5	S09-5	28.754	27.045	0.112	20.272	1.3	0.4	23.5	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S13-5	S09-5	28.754	27.041	0.106	20.284	1.3	0.38	22.1	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S13-5	S09-5	28.754	27.036	0.100	25.426	1.3	0.35	20.4	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S13-5	S09-5	28.754	27.026	0.084	25.471	1.2	0.28	16.4	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S13-5	S09-5	28.754	27.019	0.077	29.922	1.2	0.24	14.2	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S13-5	S09-5	28.754	27.007	0.065	29.908	1.1	0.18	10.2	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S13-5	S09-5	28.754	27.009	0.067	32.904	1.1	0.19	11.0	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S13-5	S09-5	28.754	26.997	0.055	32.894	1.0	0.13	7.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S13-5	S09-5	28.754	27.003	0.061	35.222	1.1	0.16	9.1	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S13-5	S09-5	28.754	26.991	0.057	35.214	0.9	0.11	6.1	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S13-5	S09-5	28.754	26.994	0.073	38.766	1.0	0.12	6.9	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S13-5	S09-5	28.754	26.984	0.072	38.756	0.9	0.08	4.5	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S13-5	S09-5	28.754	26.989	0.082	41.539	0.9	0.1	5.6	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S13-5	S09-5	28.754	26.980	0.082	41.514	0.8	0.06	3.7	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S13-5	S09-5	28.754	26.985	0.089	43.852	0.9	0.08	4.8	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S13-5	S09-5	28.754	26.977	0.089	43.833	0.8	0.05	3.1	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S13-5	S09-5	28.754	26.982	0.094	45.894	0.8	0.07	4.2	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S13-5	S09-5	28.754	26.974	0.093	45.890	0.7	0.05	2.7	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S13-5	S09-5	28.754	26.978	0.099	49.311	0.8	0.06	3.4	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S13-5	S09-5	28.754	26.971	0.099	49.341	0.7	0.04	2.2	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S13-5	S09-5	28.754	26.973	0.101	54.830	0.7	0.04	2.5	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S13-5	S09-5	28.754	26.967	0.102	54.770	0.6	0.03	1.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S13-5	S09-5	28.754	26.969	0.101	61.176	0.7	0.03	1.9	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S13-5	S09-5	28.754	26.964	0.097	61.223	0.6	0.02	1.2	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S13-5	S09-5	28.754	26.966	0.098	66.219	0.6	0.03	1.5	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S13-5	S09-5	28.754	26.961	0.092	66.342	0.5	0.02	1.0	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S13-5	S09-5	28.754	26.963	0.090	74.847	0.6	0.02	1.1	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S13-5	S09-5	28.754	26.959	0.075	74.782	0.5	0.01	0.7	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S13-5	S09-5	28.754	26.961	0.080	81.910	0.5	0.02	0.9	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S13-5	S09-5	28.754	26.957	0.056	82.182	0.5	0.01	0.6	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S13-5	S09-5	28.754	26.960	0.072	88.631	0.5	0.01	0.8	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S13-5	S09-5	28.754	26.956	0.038	88.560	0.5	0.01	0.5	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S13-5	S09-5	28.754	26.959	0.063	94.955	0.5	0.01	0.7	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S13-5	S09-5	28.754	26.955	0.021	94.879	0.4	0.01	0.5	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S13-5	S09-5	28.754	26.958	0.055	101.243	0.5	0.01	0.6	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S13-5	S09-5	28.754	26.955	0.014	100.979	0.4	0.01	0.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.004-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Tank	S04-5	28.670	26.489	0.225	3.015	0.3	0.06	2.4	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	Tank	S04-5	28.670	26.489	0.225	3.026	0.4	0.06	2.4	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	Tank	S04-5	28.670	26.555	0.225	6.551	0.1	0.06	2.5	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	Tank	S04-5	28.670	26.555	0.225	6.577	0.1	0.06	2.5	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	Tank	S04-5	28.670	26.623	0.225	13.512	0.2	0.06	2.5	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	Tank	S04-5	28.670	26.623	0.225	13.602	0.3	0.06	2.5	Surcharged
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	Tank	S04-5	28.670	26.677	0.225	27.344	0.2	0.06	2.4	Surcharged
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	Tank	S04-5	28.670	26.677	0.225	27.530	0.2	0.06	2.4	Surcharged
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	Tank	S04-5	28.670	26.710	0.225	41.146	0.2	0.06	2.4	Surcharged
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	Tank	S04-5	28.670	26.710	0.225	41.422	0.2	0.06	2.4	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	Tank	S04-5	28.670	26.733	0.225	54.937	0.2	0.06	2.4	Surcharged
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	Tank	S04-5	28.670	26.733	0.225	55.298	0.2	0.06	2.4	Surcharged
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	Tank	S04-5	28.670	26.764	0.225	82.471	0.2	0.06	2.4	Surcharged
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	Tank	S04-5	28.670	26.764	0.225	83.004	0.2	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	Tank	S04-5	28.670	26.784	0.225	110.032	0.2	0.06	2.4	Surcharged
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	Tank	S04-5	28.670	26.785	0.225	110.748	0.2	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	Tank	S04-5	28.670	26.798	0.225	137.641	0.2	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	Tank	S04-5	28.670	26.799	0.225	138.548	0.2	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	Tank	S04-5	28.670	26.808	0.225	165.292	0.2	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	Tank	S04-5	28.670	26.809	0.225	166.408	0.2	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	Tank	S04-5	28.670	26.820	0.225	220.865	0.2	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	Tank	S04-5	28.670	26.821	0.225	222.432	0.2	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	Tank	S04-5	28.670	26.826	0.225	332.783	0.2	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	Tank	S04-5	28.670	26.827	0.225	335.388	0.1	0.06	2.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	Tank	S04-5	28.670	26.825	0.225	492.042	0.2	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	Tank	S04-5	28.670	26.818	0.225	495.238	0.1	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	Tank	S04-5	28.670	26.820	0.225	585.451	0.1	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	Tank	S04-5	28.670	26.806	0.225	586.624	0.1	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	Tank	S04-5	28.670	26.802	0.225	677.869	0.1	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	Tank	S04-5	28.670	26.772	0.225	677.706	0.1	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	Tank	S04-5	28.670	26.784	0.225	744.829	0.1	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	Tank	S04-5	28.670	26.734	0.225	745.694	0.1	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	Tank	S04-5	28.670	26.767	0.225	806.157	0.1	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	Tank	S04-5	28.670	26.699	0.225	806.252	0.1	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	Tank	S04-5	28.670	26.748	0.225	862.039	0.1	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	Tank	S04-5	28.670	26.664	0.225	863.412	0.1	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	Tank	S04-5	28.670	26.733	0.225	919.032	0.1	0.06	2.3	Surcharged
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	Tank	S04-5	28.670	26.634	0.225	918.690	0.1	0.06	2.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-3.002-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S11-5	S10-5	28.558	26.916	0.177	15.739	0.8	0.54	32.8	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S11-5	S10-5	28.558	26.911	0.170	15.736	0.7	0.51	31.0	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S11-5	S10-5	28.558	26.887	0.147	20.524	0.7	0.39	23.7	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S11-5	S10-5	28.558	26.883	0.141	20.523	0.7	0.36	22.2	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S11-5	S10-5	28.558	26.877	0.134	25.667	0.7	0.33	20.5	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S11-5	S10-5	28.558	26.864	0.116	25.670	0.7	0.27	16.5	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S11-5	S10-5	28.558	26.856	0.106	30.156	0.6	0.23	14.3	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S11-5	S10-5	28.558	26.841	0.087	30.148	0.6	0.17	10.3	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S11-5	S10-5	28.558	26.844	0.091	33.184	0.6	0.18	11.1	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S11-5	S10-5	28.558	26.830	0.073	33.171	0.6	0.12	7.7	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S11-5	S10-5	28.558	26.837	0.081	35.512	0.6	0.15	9.2	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S11-5	S10-5	28.558	26.823	0.074	35.505	0.6	0.1	6.2	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S11-5	S10-5	28.558	26.827	0.089	39.059	0.6	0.11	6.9	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S11-5	S10-5	28.558	26.814	0.088	39.058	0.5	0.07	4.6	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S11-5	S10-5	28.558	26.821	0.102	41.857	0.5	0.09	5.7	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S11-5	S10-5	28.558	26.809	0.103	41.884	0.5	0.06	3.7	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S11-5	S10-5	28.558	26.816	0.116	44.185	0.5	0.08	4.8	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S11-5	S10-5	28.558	26.805	0.117	44.218	0.5	0.05	3.1	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S11-5	S10-5	28.558	26.812	0.126	46.243	0.5	0.07	4.2	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S11-5	S10-5	28.558	26.809	0.127	46.251	0.4	0.04	2.7	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S11-5	S10-5	28.558	26.820	0.138	49.734	0.5	0.06	3.4	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S11-5	S10-5	28.558	26.821	0.139	49.687	0.4	0.04	2.2	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S11-5	S10-5	28.558	26.826	0.144	55.251	0.4	0.04	2.5	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S11-5	S10-5	28.558	26.827	0.145	55.136	0.4	0.03	1.6	OK

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S11-5	S10-5	28.558	26.825	0.143	61.594	0.4	0.03	1.9	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S11-5	S10-5	28.558	26.818	0.136	61.485	0.3	0.02	1.2	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S11-5	S10-5	28.558	26.820	0.138	66.727	0.4	0.02	1.5	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S11-5	S10-5	28.558	26.806	0.124	66.599	0.3	0.02	1.0	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S11-5	S10-5	28.558	26.803	0.121	75.257	0.3	0.02	1.1	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S11-5	S10-5	28.558	26.781	0.090	75.236	0.3	0.01	0.7	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S11-5	S10-5	28.558	26.784	0.102	82.569	0.3	0.02	0.9	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S11-5	S10-5	28.558	26.779	0.071	82.690	0.3	0.01	0.6	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S11-5	S10-5	28.558	26.783	0.087	89.274	0.3	0.01	0.8	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S11-5	S10-5	28.558	26.778	0.053	89.423	0.3	0.01	0.5	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S11-5	S10-5	28.558	26.781	0.078	95.222	0.3	0.01	0.7	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S11-5	S10-5	28.558	26.777	0.036	95.501	0.3	0.01	0.5	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S11-5	S10-5	28.558	26.780	0.070	101.753	0.3	0.01	0.7	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S11-5	S10-5	28.558	26.776	0.021	101.725	0.2	0.01	0.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.003-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S03-5	Tank	28.711	27.293	0.300	105.534	2.6	2.57	181.9	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S03-5	Tank	28.711	27.278	0.300	105.498	2.5	2.52	178.0	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S03-5	Tank	28.711	27.213	0.300	137.775	2.2	2.25	159.0	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S03-5	Tank	28.711	27.183	0.300	137.777	2.1	2.11	149.2	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S03-5	Tank	28.711	27.150	0.300	171.962	2.0	1.95	138.0	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S03-5	Tank	28.711	27.075	0.300	171.982	1.6	1.56	110.5	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S03-5	Tank	28.711	27.022	0.284	201.199	1.4	1.35	95.5	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S03-5	Tank	28.711	26.944	0.227	201.187	1.2	0.98	69.0	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S03-5	Tank	28.711	26.957	0.237	220.691	1.2	1.05	74.1	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S03-5	Tank	28.711	26.901	0.205	220.698	1.1	0.73	51.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S03-5	Tank	28.711	26.926	0.241	235.769	1.2	0.87	61.6	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S03-5	Tank	28.711	26.923	0.240	235.798	1.0	0.59	41.5	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S03-5	Tank	28.711	26.973	0.291	259.026	1.0	0.66	46.4	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S03-5	Tank	28.711	26.973	0.290	259.022	0.9	0.43	30.6	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S03-5	Tank	28.711	27.008	0.300	277.489	1.0	0.54	38.1	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S03-5	Tank	28.711	27.008	0.300	277.502	0.9	0.35	24.7	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S03-5	Tank	28.711	27.034	0.300	293.111	0.9	0.46	32.3	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S03-5	Tank	28.711	27.034	0.300	293.159	0.8	0.29	20.8	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S03-5	Tank	28.711	27.054	0.300	306.889	0.9	0.4	28.2	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S03-5	Tank	28.711	27.055	0.300	306.884	0.8	0.26	18.2	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S03-5	Tank	28.711	27.083	0.300	330.428	0.8	0.32	22.7	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S03-5	Tank	28.711	27.084	0.300	330.483	0.8	0.21	14.7	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S03-5	Tank	28.711	27.113	0.300	368.807	0.8	0.24	16.8	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S03-5	Tank	28.711	27.116	0.300	368.986	0.7	0.15	10.9	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S03-5	Tank	28.711	27.123	0.300	413.313	0.7	0.18	12.5	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S03-5	Tank	28.711	27.129	0.300	413.233	0.6	0.11	8.1	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S03-5	Tank	28.711	27.122	0.300	448.164	0.7	0.14	10.2	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S03-5	Tank	28.711	27.123	0.300	448.243	0.6	0.09	6.6	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S03-5	Tank	28.711	27.119	0.300	505.647	0.6	0.11	7.7	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S03-5	Tank	28.711	27.108	0.300	505.957	0.6	0.07	4.9	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S03-5	Tank	28.711	27.112	0.300	555.062	0.6	0.09	6.3	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S03-5	Tank	28.711	27.087	0.300	554.519	0.5	0.06	4.1	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S03-5	Tank	28.711	27.106	0.300	599.389	0.6	0.08	5.4	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S03-5	Tank	28.711	27.066	0.300	600.020	0.5	0.05	3.5	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S03-5	Tank	28.711	27.101	0.300	641.913	0.6	0.07	4.9	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S03-5	Tank	28.711	27.045	0.300	643.210	0.5	0.04	3.1	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S03-5	Tank	28.711	27.099	0.300	683.854	0.5	0.06	4.4	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S03-5	Tank	28.711	27.022	0.300	683.987	0.5	0.04	2.9	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-5.001-5 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.990	0.222	23.919	0.9	0.7	49.8	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.981	0.212	23.918	0.9	0.67	47.1	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.948	0.173	31.219	0.9	0.51	36.0	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.942	0.166	31.225	0.8	0.48	33.8	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.935	0.157	39.075	0.8	0.44	31.3	OK
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.917	0.138	39.081	0.8	0.36	25.1	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.907	0.126	45.898	0.8	0.31	21.8	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.888	0.105	45.893	0.7	0.22	15.7	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.892	0.109	50.471	0.7	0.24	16.9	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.874	0.089	50.489	0.7	0.16	11.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.882	0.098	54.023	0.7	0.2	14.0	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.865	0.079	54.029	0.6	0.13	9.4	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.870	0.084	59.465	0.6	0.15	10.5	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.855	0.068	59.430	0.6	0.1	6.9	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.862	0.076	63.701	0.6	0.12	8.6	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.849	0.061	63.714	0.5	0.08	5.6	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.857	0.070	67.257	0.6	0.1	7.3	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.844	0.056	67.272	0.5	0.07	4.7	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.852	0.065	70.374	0.6	0.09	6.4	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.841	0.052	70.404	0.5	0.06	4.1	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.846	0.058	75.684	0.5	0.07	5.1	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.836	0.047	75.702	0.5	0.05	3.3	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.839	0.050	84.066	0.5	0.05	3.8	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.830	0.040	84.126	0.4	0.03	2.5	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.833	0.043	93.744	0.5	0.04	2.8	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.825	0.035	93.852	0.4	0.03	1.8	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.829	0.039	101.580	0.4	0.03	2.3	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.822	0.032	101.562	0.4	0.02	1.5	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.824	0.034	114.396	0.4	0.02	1.7	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.818	0.028	114.630	0.3	0.02	1.1	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.821	0.031	125.580	0.4	0.02	1.4	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.816	0.025	125.328	0.3	0.01	0.9	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.819	0.029	135.828	0.4	0.02	1.2	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.814	0.023	135.708	0.3	0.01	0.8	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.818	0.027	145.974	0.3	0.02	1.1	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.813	0.022	145.398	0.3	0.01	0.7	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.817	0.026	155.316	0.3	0.01	1.0	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.812	0.021	154.812	0.3	0.01	0.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.000-5 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.918	0.300	3.491	0.9	0.92	65.3	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.898	0.300	3.433	0.9	0.88	62.1	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.809	0.300	4.465	0.4	0.27	19.4	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.711	0.300	4.448	0.3	0.25	17.7	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.605	0.300	5.541	0.2	0.22	15.5	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.366	0.300	5.522	0.1	0.13	9.2	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.235	0.300	6.494	0.1	0.11	7.7	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.064	0.157	6.487	0.1	0.04	2.9	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.089	0.182	7.143	0.1	0.05	3.8	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.019	0.103	7.145	0.1	0.02	1.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.035	0.128	7.652	0.1	0.03	2.0	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.016	0.088	7.660	0.1	0.02	1.3	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.018	0.095	8.432	0.1	0.02	1.5	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.013	0.078	8.410	0.1	0.01	1.0	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.015	0.101	9.028	0.1	0.02	1.2	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.011	0.102	9.042	0.1	0.01	0.8	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.034	0.128	9.557	0.1	0.01	1.0	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.034	0.128	9.553	0.1	0.01	0.7	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.054	0.148	9.983	0.1	0.01	0.9	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.055	0.148	9.973	0.1	0.01	0.6	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.083	0.176	10.729	0.1	0.01	0.7	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.084	0.177	10.676	0.1	0.01	0.5	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.113	0.206	11.936	0.1	0.01	0.5	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.116	0.209	11.912	0.1	0	0.3	OK

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.123	0.216	13.304	0.1	0.01	0.4	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.129	0.222	13.291	0.1	0	0.3	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.122	0.216	14.401	0.1	0	0.3	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.123	0.216	14.448	0.1	0	0.2	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.119	0.212	16.314	0.1	0	0.3	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.108	0.201	16.421	0.1	0	0.2	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.113	0.206	17.970	0.1	0	0.2	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.087	0.180	17.753	0.0	0	0.1	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.106	0.199	19.306	0.1	0	0.2	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.066	0.159	19.281	0.0	0	0.1	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.101	0.195	20.443	0.1	0	0.2	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.045	0.138	20.939	0.0	0	0.1	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.099	0.192	21.645	0.0	0	0.1	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.022	0.116	22.382	0.0	0	0.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.001-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	28.016	0.300	70.144	1.5	1.49	105.4	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.974	0.300	70.105	1.5	1.49	105.2	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.807	0.300	91.487	1.5	1.49	105.5	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.710	0.300	91.482	1.4	1.4	99.1	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.604	0.300	114.470	1.3	1.3	91.6	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.365	0.300	114.474	1.0	1.04	73.3	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.235	0.300	134.429	0.9	0.9	63.4	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.063	0.258	134.418	0.7	0.65	45.8	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.089	0.281	147.664	0.7	0.7	49.2	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.000	0.197	147.671	0.7	0.48	34.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.034	0.230	157.869	0.7	0.58	40.9	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.972	0.168	157.887	0.7	0.39	27.6	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	26.986	0.187	173.503	0.7	0.44	30.8	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	26.973	0.187	173.486	0.6	0.29	20.3	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.008	0.222	185.840	0.7	0.36	25.3	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.008	0.222	185.860	0.6	0.23	16.4	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.034	0.248	196.289	0.7	0.3	21.5	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.034	0.248	196.285	0.6	0.2	13.8	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.054	0.268	205.357	0.6	0.26	18.7	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.055	0.269	205.359	0.6	0.17	12.1	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.083	0.297	220.927	0.6	0.21	15.1	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.084	0.298	220.913	0.6	0.14	9.7	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.113	0.300	246.002	0.6	0.16	11.2	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.116	0.300	246.075	0.5	0.1	7.2	OK

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.123	0.300	274.687	0.5	0.12	8.3	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.129	0.300	274.548	0.5	0.08	5.4	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.122	0.300	297.427	0.5	0.1	6.8	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.123	0.300	297.479	0.5	0.06	4.4	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.119	0.300	335.771	0.5	0.07	5.1	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.108	0.300	335.853	0.4	0.05	3.3	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.113	0.300	368.549	0.5	0.06	4.2	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.087	0.300	368.073	0.4	0.04	2.7	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.106	0.300	398.177	0.5	0.05	3.6	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.066	0.280	398.007	0.4	0.03	2.3	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.101	0.300	426.070	0.4	0.05	3.2	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.045	0.259	426.938	0.4	0.03	2.1	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.099	0.300	453.482	0.4	0.04	2.9	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.022	0.236	454.432	0.4	0.03	1.9	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.002-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.806	0.300	105.624	2.6	2.62	185.4	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.766	0.300	105.590	2.6	2.55	180.5	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.593	0.300	137.812	2.2	2.25	159.0	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.520	0.300	137.816	2.1	2.11	149.2	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.440	0.300	172.460	2.0	1.95	138.0	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.258	0.300	172.481	1.6	1.56	110.6	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.157	0.300	202.253	1.4	1.35	95.6	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.025	0.263	202.247	1.1	0.97	69.0	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.046	0.280	222.086	1.1	1.05	74.2	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.966	0.212	222.094	1.0	0.73	51.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.999	0.241	237.397	1.0	0.87	61.7	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.936	0.201	237.421	0.9	0.59	41.5	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S03 - 5	S03-5	28.792	26.973	0.251	260.918	0.9	0.66	46.4	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S03 - 5	S03-5	28.792	26.973	0.251	260.899	0.8	0.43	30.6	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.008	0.287	279.492	0.9	0.54	38.1	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.008	0.287	279.485	0.8	0.35	24.7	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.034	0.300	295.150	0.9	0.46	32.3	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.034	0.300	295.174	0.8	0.29	20.8	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.054	0.300	308.916	0.8	0.4	28.2	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.055	0.300	308.886	0.7	0.26	18.2	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.083	0.300	332.338	0.8	0.32	22.7	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.084	0.300	332.365	0.7	0.21	14.7	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.113	0.300	370.244	0.7	0.24	16.8	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.116	0.300	370.394	0.7	0.15	10.9	Surcharged

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.123	0.300	413.677	0.7	0.18	12.5	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.129	0.300	413.561	0.6	0.11	8.1	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.122	0.300	448.226	0.6	0.14	10.2	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.123	0.300	448.290	0.6	0.09	6.6	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.119	0.300	505.699	0.6	0.11	7.7	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.108	0.300	505.997	0.5	0.07	4.9	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.113	0.300	555.109	0.6	0.09	6.3	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.087	0.300	554.555	0.5	0.06	4.1	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.106	0.300	599.431	0.6	0.08	5.4	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.066	0.300	600.053	0.5	0.05	3.5	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.101	0.300	641.953	0.5	0.07	4.9	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.045	0.300	643.240	0.5	0.04	3.1	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.099	0.300	683.892	0.5	0.06	4.4	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.022	0.300	684.016	0.5	0.04	2.9	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-2.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.852	0.300	3.467	0.9	0.6	64.0	Flood
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.852	0.300	3.449	0.8	0.54	57.7	Flood
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.809	0.300	4.450	0.5	0.05	5.1	Flood Risk
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.712	0.300	4.441	0.5	0.04	4.8	Flood Risk
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.605	0.300	5.539	0.5	0.04	4.4	Flood Risk
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.367	0.247	5.540	0.5	0.03	3.5	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.283	0.140	6.509	0.5	0.03	3.1	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.279	0.052	6.500	0.5	0.02	2.2	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.280	0.065	7.149	0.5	0.02	2.4	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.276	0.028	7.147	0.5	0.02	1.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.278	0.037	7.651	0.5	0.02	2.0	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.273	0.025	7.657	0.5	0.01	1.3	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.275	0.027	8.425	0.5	0.01	1.5	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.270	0.022	8.400	0.4	0.01	1.0	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.272	0.024	9.020	0.5	0.01	1.2	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.268	0.020	9.031	0.4	0.01	0.8	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.271	0.025	9.549	0.4	0.01	1.0	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.267	0.025	9.543	0.4	0.01	0.7	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.269	0.035	9.976	0.4	0.01	0.9	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.266	0.035	9.964	0.4	0.01	0.6	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.268	0.050	10.722	0.4	0.01	0.7	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.264	0.050	10.668	0.3	0	0.5	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.265	0.064	11.929	0.3	0.01	0.5	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.263	0.066	11.906	0.3	0	0.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.263	0.070	13.298	0.3	0	0.4	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.261	0.072	13.286	0.3	0	0.3	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.262	0.069	14.395	0.3	0	0.3	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.260	0.069	14.443	0.3	0	0.2	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.261	0.067	16.308	0.3	0	0.3	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.259	0.062	16.415	0.2	0	0.2	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.260	0.064	17.961	0.3	0	0.2	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.258	0.051	17.744	0.2	0	0.1	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.259	0.061	19.299	0.2	0	0.2	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.257	0.041	19.273	0.2	0	0.1	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.259	0.059	20.438	0.2	0	0.2	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.257	0.030	20.935	0.2	0	0.1	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.258	0.057	21.644	0.2	0	0.1	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.257	0.019	22.380	0.2	0	0.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.005 - 5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S04-5	EX	28.502	26.577	0.038	2.851	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S04-5	EX	28.502	26.577	0.038	2.871	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S04-5	EX	28.502	26.669	0.038	6.336	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S04-5	EX	28.502	26.669	0.038	6.370	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S04-5	EX	28.502	26.764	0.037	13.087	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S04-5	EX	28.502	26.764	0.038	13.170	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S04-5	EX	28.502	26.840	0.038	26.197	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S04-5	EX	28.502	26.840	0.038	26.349	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S04-5	EX	28.502	26.888	0.038	38.471	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S04-5	EX	28.502	26.887	0.038	38.684	0.5	0.06	2.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S04-5	EX	28.502	26.923	0.038	49.932	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S04-5	EX	28.502	26.923	0.038	50.209	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S04-5	EX	28.502	26.973	0.038	73.919	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S04-5	EX	28.502	26.973	0.038	74.367	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S04-5	EX	28.502	27.008	0.038	99.836	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S04-5	EX	28.502	27.008	0.038	100.404	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S04-5	EX	28.502	27.034	0.038	126.137	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S04-5	EX	28.502	27.034	0.038	126.784	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S04-5	EX	28.502	27.054	0.038	152.575	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S04-5	EX	28.502	27.054	0.038	153.270	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S04-5	EX	28.502	27.082	0.038	205.438	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S04-5	EX	28.502	27.083	0.038	206.208	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S04-5	EX	28.502	27.112	0.038	312.280	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S04-5	EX	28.502	27.115	0.038	313.348	0.5	0.06	2.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S04-5	EX	28.502	27.122	0.038	478.772	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S04-5	EX	28.502	27.128	0.038	480.411	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S04-5	EX	28.502	27.122	0.038	649.718	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S04-5	EX	28.502	27.122	0.038	652.414	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S04-5	EX	28.502	27.118	0.038	928.461	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S04-5	EX	28.502	27.107	0.038	930.363	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S04-5	EX	28.502	27.112	0.038	1041.655	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S04-5	EX	28.502	27.086	0.038	1040.718	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S04-5	EX	28.502	27.106	0.038	1128.067	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S04-5	EX	28.502	27.065	0.038	1127.829	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S04-5	EX	28.502	27.101	0.038	1208.596	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S04-5	EX	28.502	27.044	0.038	1209.122	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S04-5	EX	28.502	27.098	0.038	1286.608	0.5	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S04-5	EX	28.502	27.022	0.038	1285.654	0.5	0.06	2.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-5.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.875	0.227	49.352	1.8	0.83	103.3	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.863	0.217	49.352	1.8	0.78	97.7	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.818	0.178	64.413	1.7	0.6	74.4	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.810	0.171	64.430	1.7	0.56	69.8	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.801	0.162	80.620	1.7	0.52	64.5	OK
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.779	0.142	80.632	1.6	0.42	51.9	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.766	0.131	94.691	1.5	0.36	44.9	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.742	0.109	94.682	1.4	0.26	32.3	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.747	0.113	104.117	1.4	0.28	34.9	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.725	0.092	104.159	1.3	0.19	24.0	OK

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.735	0.102	111.425	1.4	0.23	28.9	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.714	0.082	111.449	1.2	0.16	19.4	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.720	0.088	122.657	1.3	0.17	21.7	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.701	0.070	122.615	1.1	0.11	14.3	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.710	0.079	131.435	1.2	0.14	17.8	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.694	0.063	131.411	1.1	0.09	11.5	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.704	0.072	138.782	1.2	0.12	15.1	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.688	0.058	138.779	1.0	0.08	9.7	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.698	0.067	145.181	1.1	0.11	13.2	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.684	0.054	145.235	1.0	0.07	8.5	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.691	0.060	156.089	1.0	0.09	10.6	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.678	0.048	156.083	0.9	0.06	6.8	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.682	0.052	173.381	1.0	0.06	7.9	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.672	0.042	173.465	0.9	0.04	5.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.675	0.045	193.469	0.9	0.05	5.8	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.666	0.036	193.595	0.8	0.03	3.8	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.670	0.040	209.387	0.8	0.04	4.8	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.662	0.033	209.585	0.7	0.02	3.1	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.665	0.035	236.027	0.8	0.03	3.6	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.658	0.028	236.405	0.7	0.02	2.3	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.661	0.032	259.199	0.7	0.02	3.0	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.655	0.026	258.533	0.6	0.02	1.9	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.659	0.030	280.799	0.7	0.02	2.5	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.654	0.024	280.163	0.6	0.01	1.6	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.658	0.028	300.869	0.7	0.02	2.3	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.652	0.023	300.329	0.6	0.01	1.5	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.656	0.027	319.697	0.7	0.02	2.1	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.651	0.022	319.553	0.6	0.01	1.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-5.002-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S08-5	S07-5	28.888	28.321	0.117	1.953	0.2	0.03	4.2	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S08-5	S07-5	28.888	28.320	0.112	1.953	0.2	0.03	4.0	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S08-5	S07-5	28.888	28.315	0.093	2.544	0.2	0.02	2.9	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S08-5	S07-5	28.888	28.314	0.090	2.550	0.2	0.02	2.8	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S08-5	S07-5	28.888	28.313	0.085	3.186	0.2	0.02	2.5	OK
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S08-5	S07-5	28.888	28.310	0.075	3.186	0.1	0.02	2.0	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S08-5	S07-5	28.888	28.309	0.069	3.738	0.1	0.01	1.8	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S08-5	S07-5	28.888	28.305	0.058	3.750	0.1	0.01	1.3	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S08-5	S07-5	28.888	28.306	0.061	4.122	0.1	0.01	1.4	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S08-5	S07-5	28.888	28.303	0.050	4.122	0.1	0.01	0.9	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S08-5	S07-5	28.888	28.304	0.055	4.422	0.1	0.01	1.1	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S08-5	S07-5	28.888	28.301	0.045	4.434	0.1	0.01	0.8	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S08-5	S07-5	28.888	28.302	0.047	4.866	0.1	0.01	0.9	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S08-5	S07-5	28.888	28.299	0.039	4.836	0.1	0	0.6	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S08-5	S07-5	28.888	28.300	0.043	5.196	0.1	0.01	0.7	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S08-5	S07-5	28.888	28.298	0.035	5.214	0.1	0	0.5	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S08-5	S07-5	28.888	28.299	0.040	5.478	0.1	0	0.6	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S08-5	S07-5	28.888	28.297	0.032	5.514	0.1	0	0.4	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S08-5	S07-5	28.888	28.298	0.037	5.748	0.1	0	0.5	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S08-5	S07-5	28.888	28.296	0.030	5.748	0.1	0	0.3	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S08-5	S07-5	28.888	28.297	0.033	6.192	0.1	0	0.4	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S08-5	S07-5	28.888	28.295	0.027	6.198	0.1	0	0.3	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S08-5	S07-5	28.888	28.296	0.029	6.900	0.1	0	0.3	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S08-5	S07-5	28.888	28.294	0.023	6.924	0.1	0	0.2	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S08-5	S07-5	28.888	28.294	0.025	7.596	0.1	0	0.2	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S08-5	S07-5	28.888	28.293	0.020	7.764	0.1	0	0.2	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S08-5	S07-5	28.888	28.294	0.023	8.370	0.1	0	0.2	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S08-5	S07-5	28.888	28.292	0.018	8.262	0.1	0	0.1	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S08-5	S07-5	28.888	28.292	0.020	9.228	0.1	0	0.1	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S08-5	S07-5	28.888	28.290	0.016	9.492	0.1	0	0.1	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S08-5	S07-5	28.888	28.292	0.018	10.224	0.1	0	0.1	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S08-5	S07-5	28.888	28.290	0.015	10.020	0.1	0	0.1	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S08-5	S07-5	28.888	28.291	0.017	10.896	0.1	0	0.1	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S08-5	S07-5	28.888	28.289	0.013	10.878	0.1	0	0.1	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S08-5	S07-5	28.888	28.290	0.016	12.024	0.1	0	0.1	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S08-5	S07-5	28.888	28.289	0.013	11.820	0.1	0	0.1	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S08-5	S07-5	28.888	28.290	0.015	13.068	0.1	0	0.1	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S08-5	S07-5	28.888	28.289	0.012	12.816	0.1	0	0.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-3.001-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S10-5	S09-5	28.560	26.868	0.275	21.931	0.6	0.61	38.1	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S10-5	S09-5	28.560	26.855	0.263	21.940	0.6	0.58	36.8	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S10-5	S09-5	28.560	26.820	0.227	28.316	0.6	0.53	33.1	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S10-5	S09-5	28.560	26.809	0.217	28.316	0.6	0.49	31.1	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S10-5	S09-5	28.560	26.797	0.206	34.683	0.6	0.46	28.7	OK
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S10-5	S09-5	28.560	26.768	0.182	34.691	0.5	0.37	23.1	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S10-5	S09-5	28.560	26.840	0.258	39.890	0.5	0.32	20.0	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S10-5	S09-5	28.560	26.840	0.258	39.888	0.5	0.23	14.4	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S10-5	S09-5	28.560	26.887	0.300	43.419	0.5	0.25	15.5	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S10-5	S09-5	28.560	26.887	0.300	43.418	0.5	0.17	10.7	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S10-5	S09-5	28.560	26.923	0.300	46.200	0.5	0.2	12.9	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S10-5	S09-5	28.560	26.923	0.300	46.199	0.4	0.14	8.7	Surcharged
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S10-5	S09-5	28.560	26.973	0.300	50.695	0.5	0.15	9.7	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S10-5	S09-5	28.560	26.973	0.300	50.718	0.4	0.1	6.3	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S10-5	S09-5	28.560	27.008	0.300	54.419	0.4	0.12	7.7	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S10-5	S09-5	28.560	27.008	0.300	54.443	0.4	0.08	5.0	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S10-5	S09-5	28.560	27.034	0.300	57.621	0.4	0.1	6.2	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S10-5	S09-5	28.560	27.034	0.300	57.609	0.4	0.07	4.2	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S10-5	S09-5	28.560	27.054	0.300	60.477	0.4	0.09	5.4	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S10-5	S09-5	28.560	27.054	0.300	60.508	0.4	0.06	3.6	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S10-5	S09-5	28.560	27.082	0.300	65.542	0.4	0.07	4.3	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S10-5	S09-5	28.560	27.083	0.300	65.552	0.3	0.05	2.9	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S10-5	S09-5	28.560	27.112	0.300	74.072	0.3	0.05	3.1	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S10-5	S09-5	28.560	27.115	0.300	74.139	0.3	0.03	2.1	Surcharged

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S10-5	S09-5	28.560	27.122	0.300	85.137	0.3	0.04	2.3	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S10-5	S09-5	28.560	27.128	0.300	85.162	0.3	0.02	1.5	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S10-5	S09-5	28.560	27.122	0.300	93.255	0.3	0.03	1.9	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S10-5	S09-5	28.560	27.122	0.300	93.339	0.3	0.02	1.3	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S10-5	S09-5	28.560	27.118	0.300	105.225	0.3	0.02	1.4	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S10-5	S09-5	28.560	27.107	0.300	105.153	0.2	0.01	0.9	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S10-5	S09-5	28.560	27.112	0.300	115.431	0.3	0.02	1.2	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S10-5	S09-5	28.560	27.086	0.300	115.448	0.2	0.01	0.8	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S10-5	S09-5	28.560	27.105	0.300	125.108	0.2	0.02	1.0	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S10-5	S09-5	28.560	27.065	0.300	124.843	0.2	0.01	0.7	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S10-5	S09-5	28.560	27.101	0.300	134.156	0.2	0.01	0.9	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S10-5	S09-5	28.560	27.044	0.300	133.687	0.2	0.01	0.6	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S10-5	S09-5	28.560	27.098	0.300	142.261	0.2	0.01	0.8	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S10-5	S09-5	28.560	27.022	0.300	142.122	0.2	0.01	0.6	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-3.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S09-5	Tank	28.846	26.846	0.257	43.758	1.3	1.19	83.9	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S09-5	Tank	28.846	26.834	0.248	43.766	1.3	1.13	79.7	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S09-5	Tank	28.846	26.799	0.220	56.387	1.2	0.93	66.0	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S09-5	Tank	28.846	26.789	0.212	56.380	1.2	0.88	62.0	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S09-5	Tank	28.846	26.778	0.216	69.331	1.1	0.81	57.3	OK
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S09-5	Tank	28.846	26.764	0.216	69.339	1.0	0.65	46.1	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S09-5	Tank	28.846	26.840	0.292	80.366	1.0	0.56	39.9	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S09-5	Tank	28.846	26.840	0.292	80.403	0.9	0.41	28.7	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S09-5	Tank	28.846	26.888	0.300	87.928	0.9	0.44	31.0	Surcharged
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S09-5	Tank	28.846	26.888	0.300	87.944	0.8	0.3	21.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S09-5	Tank	28.846	26.923	0.300	93.859	0.9	0.36	25.6	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S09-5	Tank	28.846	26.923	0.300	93.887	0.8	0.24	17.3	Surcharged
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S09-5	Tank	28.846	26.973	0.300	103.223	0.8	0.27	19.0	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S09-5	Tank	28.846	26.973	0.300	103.234	0.7	0.18	12.6	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S09-5	Tank	28.846	27.008	0.300	110.808	0.8	0.22	15.4	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S09-5	Tank	28.846	27.008	0.300	110.853	0.7	0.14	9.9	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S09-5	Tank	28.846	27.034	0.300	117.279	0.7	0.18	12.7	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S09-5	Tank	28.846	27.034	0.300	117.285	0.6	0.12	8.3	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S09-5	Tank	28.846	27.054	0.300	122.947	0.7	0.15	10.9	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S09-5	Tank	28.846	27.055	0.300	122.988	0.6	0.1	7.2	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S09-5	Tank	28.846	27.083	0.300	132.900	0.6	0.12	8.6	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S09-5	Tank	28.846	27.084	0.300	132.892	0.6	0.08	5.7	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S09-5	Tank	28.846	27.112	0.300	149.272	0.6	0.09	6.3	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S09-5	Tank	28.846	27.116	0.300	149.362	0.5	0.06	4.1	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S09-5	Tank	28.846	27.123	0.300	169.854	0.5	0.07	4.7	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S09-5	Tank	28.846	27.128	0.300	169.871	0.5	0.04	3.0	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S09-5	Tank	28.846	27.122	0.300	185.930	0.5	0.05	3.8	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S09-5	Tank	28.846	27.122	0.300	185.980	0.5	0.03	2.5	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S09-5	Tank	28.846	27.119	0.300	209.932	0.5	0.04	2.9	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S09-5	Tank	28.846	27.107	0.300	209.938	0.4	0.03	1.9	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S09-5	Tank	28.846	27.112	0.300	230.242	0.4	0.03	2.4	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S09-5	Tank	28.846	27.087	0.300	230.362	0.4	0.02	1.6	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S09-5	Tank	28.846	27.106	0.300	249.322	0.4	0.03	2.1	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S09-5	Tank	28.846	27.066	0.300	249.052	0.4	0.02	1.4	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S09-5	Tank	28.846	27.101	0.300	266.860	0.4	0.03	1.9	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S09-5	Tank	28.846	27.045	0.300	266.608	0.4	0.02	1.2	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S09-5	Tank	28.846	27.098	0.300	283.893	0.4	0.02	1.7	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S09-5	Tank	28.846	27.022	0.300	282.933	0.4	0.02	1.1	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-3.0003--5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S12-5	S11-5	28.755	27.192	0.169	21.957	1.5	0.84	49.0	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S12-5	S11-5	28.755	27.183	0.161	21.989	1.5	0.79	46.1	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S12-5	S11-5	28.755	27.145	0.127	28.692	1.4	0.57	33.1	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S12-5	S11-5	28.755	27.139	0.122	28.691	1.4	0.53	31.1	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S12-5	S11-5	28.755	27.133	0.116	35.897	1.4	0.49	28.7	OK
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S12-5	S11-5	28.755	27.118	0.102	35.903	1.3	0.4	23.1	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S12-5	S11-5	28.755	27.109	0.094	42.166	1.3	0.34	20.0	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S12-5	S11-5	28.755	27.093	0.078	42.160	1.2	0.25	14.4	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S12-5	S11-5	28.755	27.096	0.082	46.366	1.2	0.27	15.5	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S12-5	S11-5	28.755	27.080	0.067	46.359	1.1	0.18	10.7	OK

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S12-5	S11-5	28.755	27.088	0.074	49.613	1.1	0.22	12.9	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S12-5	S11-5	28.755	27.073	0.060	49.605	1.0	0.15	8.7	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S12-5	S11-5	28.755	27.077	0.078	54.591	1.1	0.17	9.7	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S12-5	S11-5	28.755	27.064	0.077	54.601	0.9	0.11	6.4	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S12-5	S11-5	28.755	27.070	0.095	58.513	1.0	0.14	7.9	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S12-5	S11-5	28.755	27.059	0.094	58.526	0.9	0.09	5.1	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S12-5	S11-5	28.755	27.065	0.111	61.783	1.0	0.12	6.7	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S12-5	S11-5	28.755	27.055	0.112	61.761	0.8	0.07	4.3	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S12-5	S11-5	28.755	27.062	0.132	64.628	0.9	0.1	5.9	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S12-5	S11-5	28.755	27.055	0.132	64.648	0.8	0.07	3.8	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S12-5	S11-5	28.755	27.083	0.160	69.507	0.9	0.08	4.7	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S12-5	S11-5	28.755	27.084	0.161	69.504	0.8	0.05	3.0	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S12-5	S11-5	28.755	27.113	0.190	77.160	0.8	0.06	3.5	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S12-5	S11-5	28.755	27.116	0.193	77.211	0.7	0.04	2.3	OK

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S12-5	S11-5	28.755	27.123	0.200	86.157	0.7	0.04	2.6	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S12-5	S11-5	28.755	27.129	0.206	86.160	0.6	0.03	1.7	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S12-5	S11-5	28.755	27.122	0.200	93.238	0.7	0.04	2.1	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S12-5	S11-5	28.755	27.123	0.200	93.325	0.6	0.02	1.4	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S12-5	S11-5	28.755	27.119	0.196	105.211	0.6	0.03	1.6	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S12-5	S11-5	28.755	27.108	0.185	105.141	0.6	0.02	1.0	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S12-5	S11-5	28.755	27.112	0.190	115.418	0.6	0.02	1.3	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S12-5	S11-5	28.755	27.087	0.164	115.438	0.5	0.01	0.9	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S12-5	S11-5	28.755	27.106	0.183	125.097	0.6	0.02	1.1	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S12-5	S11-5	28.755	27.066	0.143	124.834	0.5	0.01	0.7	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S12-5	S11-5	28.755	27.101	0.179	134.144	0.6	0.02	1.0	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S12-5	S11-5	28.755	27.045	0.122	133.677	0.5	0.01	0.6	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S12-5	S11-5	28.755	27.099	0.176	142.250	0.5	0.02	0.9	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S12-5	S11-5	28.755	27.028	0.100	142.113	0.5	0.01	0.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-4.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S13-5	S09-5	28.754	27.117	0.195	21.685	1.3	0.84	49.1	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S13-5	S09-5	28.754	27.109	0.185	21.707	1.3	0.79	46.2	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S13-5	S09-5	28.754	27.069	0.147	28.356	1.3	0.57	32.9	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S13-5	S09-5	28.754	27.064	0.140	28.381	1.3	0.53	30.9	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S13-5	S09-5	28.754	27.057	0.131	35.519	1.3	0.49	28.6	OK
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S13-5	S09-5	28.754	27.043	0.110	35.547	1.2	0.39	23.0	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S13-5	S09-5	28.754	27.035	0.115	41.763	1.2	0.34	19.9	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S13-5	S09-5	28.754	27.020	0.114	41.821	1.2	0.25	14.3	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S13-5	S09-5	28.754	27.023	0.138	45.998	1.2	0.27	15.4	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S13-5	S09-5	28.754	27.008	0.137	46.017	1.1	0.18	10.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S13-5	S09-5	28.754	27.015	0.154	49.240	1.2	0.22	12.8	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S13-5	S09-5	28.754	27.001	0.153	49.273	1.0	0.15	8.6	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S13-5	S09-5	28.754	27.004	0.186	54.208	1.1	0.17	9.6	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S13-5	S09-5	28.754	26.992	0.186	54.200	0.9	0.11	6.3	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S13-5	S09-5	28.754	27.008	0.221	58.110	1.0	0.14	7.9	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S13-5	S09-5	28.754	27.008	0.221	58.138	0.9	0.09	5.1	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S13-5	S09-5	28.754	27.034	0.225	61.392	1.0	0.11	6.7	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S13-5	S09-5	28.754	27.034	0.225	61.420	0.9	0.07	4.3	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S13-5	S09-5	28.754	27.054	0.225	64.202	0.9	0.1	5.8	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S13-5	S09-5	28.754	27.055	0.225	64.224	0.8	0.06	3.8	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S13-5	S09-5	28.754	27.083	0.225	69.056	0.9	0.08	4.7	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S13-5	S09-5	28.754	27.084	0.225	69.048	0.8	0.05	3.0	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S13-5	S09-5	28.754	27.113	0.225	76.734	0.8	0.06	3.5	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S13-5	S09-5	28.754	27.116	0.225	76.762	0.7	0.04	2.3	OK

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S13-5	S09-5	28.754	27.123	0.225	85.527	0.7	0.04	2.6	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S13-5	S09-5	28.754	27.129	0.225	85.511	0.6	0.03	1.7	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S13-5	S09-5	28.754	27.122	0.225	92.702	0.7	0.04	2.1	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S13-5	S09-5	28.754	27.123	0.225	92.666	0.6	0.02	1.4	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S13-5	S09-5	28.754	27.119	0.225	104.707	0.6	0.03	1.6	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S13-5	S09-5	28.754	27.108	0.225	104.790	0.5	0.02	1.0	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S13-5	S09-5	28.754	27.112	0.225	114.813	0.6	0.02	1.3	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S13-5	S09-5	28.754	27.087	0.225	114.919	0.5	0.01	0.8	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S13-5	S09-5	28.754	27.106	0.225	124.217	0.6	0.02	1.1	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S13-5	S09-5	28.754	27.066	0.225	124.215	0.5	0.01	0.7	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S13-5	S09-5	28.754	27.101	0.225	132.709	0.5	0.02	1.0	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S13-5	S09-5	28.754	27.045	0.225	132.928	0.5	0.01	0.7	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S13-5	S09-5	28.754	27.099	0.225	141.638	0.5	0.02	0.9	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S13-5	S09-5	28.754	27.022	0.225	140.818	0.5	0.01	0.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.004-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Tank	S04-5	28.670	26.578	0.225	3.334	0.4	0.07	2.7	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	Tank	S04-5	28.670	26.578	0.225	3.354	0.4	0.07	2.7	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	Tank	S04-5	28.670	26.669	0.225	6.923	0.3	0.07	2.8	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	Tank	S04-5	28.670	26.669	0.225	6.956	0.1	0.07	2.7	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	Tank	S04-5	28.670	26.764	0.225	13.776	0.2	0.07	2.7	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	Tank	S04-5	28.670	26.764	0.225	13.859	0.3	0.07	2.6	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	Tank	S04-5	28.670	26.840	0.225	26.961	0.2	0.06	2.6	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	Tank	S04-5	28.670	26.840	0.225	27.113	0.2	0.06	2.5	Surcharged
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	Tank	S04-5	28.670	26.888	0.225	39.279	0.2	0.06	2.5	Surcharged
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	Tank	S04-5	28.670	26.888	0.225	39.492	0.2	0.06	2.4	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	Tank	S04-5	28.670	26.923	0.225	50.770	0.2	0.06	2.5	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	Tank	S04-5	28.670	26.923	0.225	51.046	0.2	0.06	2.4	Surcharged
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	Tank	S04-5	28.670	26.973	0.225	74.792	0.2	0.06	2.4	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	Tank	S04-5	28.670	26.973	0.225	75.239	0.2	0.06	2.4	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	Tank	S04-5	28.670	27.008	0.225	100.725	0.2	0.06	2.4	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	Tank	S04-5	28.670	27.008	0.225	101.292	0.2	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	Tank	S04-5	28.670	27.034	0.225	127.032	0.2	0.06	2.4	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	Tank	S04-5	28.670	27.034	0.225	127.677	0.2	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	Tank	S04-5	28.670	27.054	0.225	153.469	0.2	0.06	2.4	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	Tank	S04-5	28.670	27.055	0.225	154.163	0.2	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	Tank	S04-5	28.670	27.083	0.225	206.316	0.2	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	Tank	S04-5	28.670	27.084	0.225	207.084	0.2	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	Tank	S04-5	28.670	27.113	0.225	313.096	0.2	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	Tank	S04-5	28.670	27.116	0.225	314.162	0.2	0.06	2.3	Surcharged

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	Tank	S04-5	28.670	27.123	0.225	479.441	0.2	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	Tank	S04-5	28.670	27.129	0.225	481.077	0.2	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	Tank	S04-5	28.670	27.122	0.225	650.196	0.2	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	Tank	S04-5	28.670	27.123	0.225	652.888	0.1	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	Tank	S04-5	28.670	27.119	0.225	928.556	0.2	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	Tank	S04-5	28.670	27.108	0.225	930.454	0.1	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	Tank	S04-5	28.670	27.112	0.225	1041.674	0.1	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	Tank	S04-5	28.670	27.087	0.225	1040.735	0.1	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	Tank	S04-5	28.670	27.106	0.225	1128.074	0.1	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	Tank	S04-5	28.670	27.066	0.225	1127.835	0.1	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	Tank	S04-5	28.670	27.101	0.225	1208.600	0.1	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	Tank	S04-5	28.670	27.045	0.225	1209.126	0.1	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	Tank	S04-5	28.670	27.099	0.225	1286.612	0.1	0.06	2.3	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	Tank	S04-5	28.670	27.022	0.225	1285.658	0.1	0.06	2.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-3.002-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S11-5	S10-5	28.558	26.959	0.232	22.008	0.8	0.74	45.2	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S11-5	S10-5	28.558	26.950	0.221	22.021	0.8	0.7	42.8	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S11-5	S10-5	28.558	26.916	0.186	28.744	0.7	0.54	33.1	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S11-5	S10-5	28.558	26.909	0.177	28.743	0.7	0.51	31.1	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S11-5	S10-5	28.558	26.902	0.168	35.988	0.7	0.47	28.7	OK
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S11-5	S10-5	28.558	26.885	0.145	35.993	0.7	0.38	23.1	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S11-5	S10-5	28.558	26.876	0.158	41.865	0.7	0.33	20.0	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S11-5	S10-5	28.558	26.857	0.158	41.858	0.6	0.24	14.4	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S11-5	S10-5	28.558	26.887	0.206	45.758	0.7	0.25	15.5	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S11-5	S10-5	28.558	26.888	0.206	45.750	0.6	0.17	10.7	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S11-5	S10-5	28.558	26.923	0.241	48.755	0.6	0.21	12.9	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S11-5	S10-5	28.558	26.923	0.241	48.745	0.6	0.14	8.7	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S11-5	S10-5	28.558	26.973	0.291	53.437	0.6	0.16	9.7	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S11-5	S10-5	28.558	26.973	0.291	53.448	0.6	0.1	6.4	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S11-5	S10-5	28.558	27.008	0.300	57.229	0.6	0.13	7.9	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S11-5	S10-5	28.558	27.008	0.300	57.240	0.5	0.08	5.2	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S11-5	S10-5	28.558	27.034	0.300	60.452	0.6	0.11	6.7	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S11-5	S10-5	28.558	27.034	0.300	60.426	0.5	0.07	4.3	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S11-5	S10-5	28.558	27.054	0.300	63.302	0.5	0.1	5.9	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S11-5	S10-5	28.558	27.055	0.300	63.317	0.5	0.06	3.8	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S11-5	S10-5	28.558	27.083	0.300	68.296	0.5	0.08	4.7	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S11-5	S10-5	28.558	27.084	0.300	68.289	0.4	0.05	3.1	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S11-5	S10-5	28.558	27.113	0.300	76.453	0.4	0.06	3.5	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S11-5	S10-5	28.558	27.116	0.300	76.499	0.4	0.04	2.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S11-5	S10-5	28.558	27.123	0.300	86.235	0.4	0.04	2.6	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S11-5	S10-5	28.558	27.129	0.300	86.224	0.4	0.03	1.7	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S11-5	S10-5	28.558	27.122	0.300	93.316	0.4	0.03	2.1	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S11-5	S10-5	28.558	27.123	0.300	93.390	0.3	0.02	1.4	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S11-5	S10-5	28.558	27.119	0.300	105.280	0.4	0.03	1.6	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S11-5	S10-5	28.558	27.108	0.300	105.198	0.3	0.02	1.0	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S11-5	S10-5	28.558	27.112	0.300	115.482	0.3	0.02	1.3	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S11-5	S10-5	28.558	27.087	0.300	115.490	0.3	0.01	0.9	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S11-5	S10-5	28.558	27.106	0.300	125.156	0.3	0.02	1.1	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S11-5	S10-5	28.558	27.066	0.300	124.883	0.3	0.01	0.7	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S11-5	S10-5	28.558	27.101	0.300	134.202	0.3	0.02	1.0	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S11-5	S10-5	28.558	27.045	0.300	133.725	0.3	0.01	0.7	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S11-5	S10-5	28.558	27.099	0.300	142.306	0.3	0.02	0.9	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S11-5	S10-5	28.558	27.022	0.300	142.159	0.3	0.01	0.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.003-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S03-5	Tank	28.711	27.388	0.300	136.323	2.9	2.91	205.8	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S03-5	Tank	28.711	27.360	0.300	136.318	2.8	2.82	199.0	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S03-5	Tank	28.711	27.260	0.300	178.868	2.4	2.45	173.0	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S03-5	Tank	28.711	27.247	0.300	178.906	2.4	2.39	169.3	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S03-5	Tank	28.711	27.235	0.300	222.537	2.3	2.35	165.9	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S03-5	Tank	28.711	27.171	0.300	222.503	2.1	2.05	145.2	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S03-5	Tank	28.711	27.111	0.300	256.329	1.8	1.75	123.9	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S03-5	Tank	28.711	27.003	0.300	256.306	1.3	1.26	89.0	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S03-5	Tank	28.711	27.062	0.300	279.243	1.4	1.35	95.2	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S03-5	Tank	28.711	27.062	0.300	279.272	1.2	0.93	65.8	Surcharged

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S03-5	Tank	28.711	27.106	0.300	297.398	1.3	1.1	78.1	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S03-5	Tank	28.711	27.106	0.300	297.381	1.1	0.75	53.0	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S03-5	Tank	28.711	27.171	0.300	326.303	1.1	0.84	59.1	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S03-5	Tank	28.711	27.171	0.300	326.321	1.0	0.55	39.0	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S03-5	Tank	28.711	27.219	0.300	349.629	1.1	0.69	48.6	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S03-5	Tank	28.711	27.220	0.300	349.656	0.9	0.44	31.4	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S03-5	Tank	28.711	27.256	0.300	369.480	1.0	0.58	41.2	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S03-5	Tank	28.711	27.257	0.300	369.555	0.9	0.38	26.6	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S03-5	Tank	28.711	27.286	0.300	387.130	1.0	0.51	35.9	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S03-5	Tank	28.711	27.287	0.300	387.066	0.9	0.33	23.0	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S03-5	Tank	28.711	27.330	0.300	417.455	0.9	0.4	28.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S03-5	Tank	28.711	27.333	0.300	417.449	0.8	0.26	18.4	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S03-5	Tank	28.711	27.381	0.300	466.110	0.8	0.3	21.1	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S03-5	Tank	28.711	27.388	0.300	466.180	0.7	0.19	13.4	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S03-5	Tank	28.711	27.407	0.300	522.537	0.7	0.22	15.4	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S03-5	Tank	28.711	27.418	0.300	522.526	0.7	0.14	9.9	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S03-5	Tank	28.711	27.410	0.300	567.808	0.7	0.18	12.5	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S03-5	Tank	28.711	27.422	0.300	568.003	0.6	0.11	8.0	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S03-5	Tank	28.711	27.404	0.300	637.645	0.6	0.13	9.3	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S03-5	Tank	28.711	27.403	0.300	637.324	0.6	0.08	6.0	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S03-5	Tank	28.711	27.393	0.300	693.048	0.6	0.11	7.6	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S03-5	Tank	28.711	27.383	0.300	693.614	0.6	0.07	4.9	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S03-5	Tank	28.711	27.382	0.300	743.284	0.6	0.09	6.6	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S03-5	Tank	28.711	27.359	0.300	743.411	0.5	0.06	4.2	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S03-5	Tank	28.711	27.373	0.300	790.435	0.6	0.08	5.8	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S03-5	Tank	28.711	27.333	0.300	789.222	0.5	0.05	3.8	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S03-5	Tank	28.711	27.366	0.300	834.363	0.6	0.07	5.3	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S03-5	Tank	28.711	27.309	0.300	834.842	0.5	0.05	3.4	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -5.001-5 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S07-5	S06 - 5	28.888	28.063	0.300	30.979	0.8	0.72	51.2	OK
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S07-5	S06 - 5	28.888	28.030	0.279	30.952	0.8	0.82	58.1	OK
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.981	0.210	40.729	0.9	0.67	47.0	OK
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.972	0.200	40.729	0.9	0.62	44.1	OK
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.962	0.189	51.135	0.9	0.58	40.9	OK
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.939	0.163	51.123	0.8	0.47	32.9	OK
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.926	0.147	59.206	0.8	0.4	28.1	OK
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.902	0.121	59.204	0.8	0.29	20.2	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.907	0.126	64.679	0.8	0.31	21.7	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.885	0.102	64.697	0.7	0.21	14.9	OK

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.895	0.113	68.993	0.7	0.25	17.9	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.875	0.090	68.999	0.7	0.17	12.0	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.880	0.096	75.773	0.7	0.19	13.4	OK
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.863	0.077	75.786	0.6	0.13	8.8	OK
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.872	0.086	81.215	0.7	0.16	11.0	OK
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.856	0.069	81.180	0.6	0.1	7.1	OK
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.865	0.079	85.781	0.6	0.13	9.3	OK
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.851	0.063	85.776	0.6	0.09	6.0	OK
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.860	0.074	89.772	0.6	0.12	8.1	OK
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.847	0.059	89.772	0.5	0.07	5.3	OK
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.853	0.066	96.594	0.6	0.09	6.6	OK
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.841	0.053	96.594	0.5	0.06	4.2	OK
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.845	0.057	107.394	0.5	0.07	4.9	OK
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.835	0.045	107.514	0.5	0.04	3.2	OK

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.838	0.049	119.526	0.5	0.05	3.6	OK
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.829	0.039	119.436	0.4	0.03	2.3	OK
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.833	0.044	129.162	0.5	0.04	2.9	OK
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.825	0.035	129.336	0.4	0.03	1.9	OK
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.828	0.038	144.696	0.4	0.03	2.2	OK
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.821	0.031	144.564	0.4	0.02	1.4	OK
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.825	0.034	156.852	0.4	0.03	1.8	OK
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.818	0.028	157.266	0.3	0.02	1.1	OK
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.822	0.032	168.066	0.4	0.02	1.5	OK
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.817	0.026	168.222	0.3	0.01	1.0	OK
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.820	0.030	178.542	0.4	0.02	1.4	OK
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.815	0.024	178.626	0.3	0.01	0.9	OK
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.819	0.029	189.060	0.4	0.02	1.2	OK
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.814	0.023	189.036	0.3	0.01	0.8	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.000-5 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S01-5	S02 - 5	28.623	28.042	0.300	4.516	0.8	0.81	57.3	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S01-5	S02 - 5	28.623	28.005	0.300	4.492	0.7	0.75	52.9	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.886	0.300	5.817	0.9	0.93	65.6	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.879	0.300	5.837	0.8	0.84	59.6	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.857	0.300	7.291	0.3	0.25	17.9	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.672	0.300	7.244	0.2	0.14	10.2	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.479	0.300	8.401	0.2	0.14	9.6	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.188	0.281	8.381	0.1	0.06	4.6	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.233	0.300	8.882	0.1	0.09	6.2	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.061	0.155	8.890	0.1	0.03	2.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.119	0.212	9.179	0.1	0.06	4.3	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.105	0.199	9.189	0.1	0.02	1.7	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.170	0.264	9.721	0.1	0.03	1.9	OK
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.171	0.265	9.723	0.1	0.02	1.2	OK
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.219	0.300	10.240	0.1	0.02	1.6	OK
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.219	0.300	10.230	0.1	0.01	1.0	OK
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.256	0.300	10.728	0.1	0.02	1.3	OK
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.257	0.300	10.745	0.1	0.01	0.8	OK
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.286	0.300	11.267	0.1	0.02	1.1	OK
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.287	0.300	11.256	0.1	0.01	0.7	OK
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.330	0.300	12.285	0.1	0.01	0.9	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.333	0.300	12.308	0.1	0.01	0.6	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.382	0.300	14.322	0.1	0.01	0.7	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.388	0.300	14.306	0.1	0.01	0.5	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.407	0.300	16.927	0.1	0.01	0.5	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.418	0.300	16.977	0.1	0	0.3	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.410	0.300	18.292	0.1	0.01	0.4	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.422	0.300	18.423	0.1	0	0.3	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.404	0.300	20.643	0.1	0	0.3	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.404	0.300	20.641	0.1	0	0.2	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.393	0.300	22.064	0.1	0	0.3	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.383	0.300	22.290	0.1	0	0.2	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.382	0.300	23.851	0.1	0	0.2	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.359	0.300	23.519	0.1	0	0.1	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.373	0.300	25.536	0.1	0	0.2	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.333	0.300	25.103	0.0	0	0.1	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.366	0.300	26.994	0.1	0	0.2	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.309	0.300	26.980	0.0	0	0.1	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.001-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	28.298	0.300	90.590	1.6	1.59	112.4	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	28.213	0.300	90.587	1.6	1.56	110.0	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.947	0.300	119.322	1.6	1.55	109.8	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.919	0.300	119.354	1.6	1.56	110.4	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.860	0.300	149.274	1.5	1.5	106.0	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.671	0.300	149.252	1.4	1.36	96.4	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.478	0.300	172.166	1.2	1.16	82.2	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.187	0.300	172.147	0.8	0.84	59.1	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.232	0.300	187.476	0.9	0.89	63.2	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.061	0.276	187.486	0.7	0.62	43.7	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.119	0.300	199.489	0.7	0.73	51.7	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.105	0.300	199.491	0.7	0.5	35.2	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.170	0.300	218.645	0.7	0.56	39.3	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.171	0.300	218.627	0.7	0.37	25.9	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.218	0.300	234.106	0.7	0.46	32.2	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.219	0.300	234.095	0.7	0.3	20.9	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.256	0.300	247.274	0.7	0.39	27.3	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.257	0.300	247.307	0.6	0.25	17.6	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.286	0.300	258.956	0.7	0.34	23.8	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.287	0.300	258.912	0.6	0.22	15.4	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.330	0.300	279.051	0.6	0.27	19.2	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.333	0.300	279.070	0.6	0.18	12.4	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.381	0.300	311.394	0.6	0.2	14.3	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.388	0.300	311.426	0.6	0.13	9.2	Surcharged

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.407	0.300	348.794	0.6	0.15	10.6	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.418	0.300	348.787	0.5	0.1	6.8	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.410	0.300	378.130	0.5	0.12	8.6	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.422	0.300	378.281	0.5	0.08	5.5	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.404	0.300	423.139	0.5	0.09	6.4	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.404	0.300	423.065	0.5	0.06	4.1	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.393	0.300	459.936	0.5	0.07	5.2	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.383	0.300	460.210	0.4	0.05	3.3	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.382	0.300	493.535	0.5	0.06	4.5	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.359	0.300	493.245	0.4	0.04	2.9	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.373	0.300	524.854	0.5	0.06	4.0	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.333	0.300	523.916	0.4	0.04	2.6	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.366	0.300	554.146	0.4	0.05	3.6	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.309	0.300	554.132	0.4	0.03	2.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.002-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S03 - 5	S03-5	28.792	28.062	0.300	136.431	3.0	3.02	214.0	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.986	0.300	136.426	2.9	2.91	205.7	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.725	0.300	179.638	2.5	2.51	177.6	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.686	0.300	179.678	2.4	2.44	172.5	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.648	0.300	224.386	2.3	2.34	165.9	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.490	0.300	224.362	2.1	2.05	145.2	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.344	0.300	258.836	1.8	1.75	123.9	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.120	0.300	258.808	1.3	1.26	89.1	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.155	0.300	282.055	1.3	1.35	95.3	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.062	0.300	282.068	1.0	0.93	65.9	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.105	0.300	300.400	1.1	1.1	78.1	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.106	0.300	300.361	1.0	0.75	53.0	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.170	0.300	329.537	1.0	0.84	59.2	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.171	0.300	329.527	0.9	0.55	39.0	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.218	0.300	352.988	0.9	0.69	48.6	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.220	0.300	352.983	0.9	0.44	31.4	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.256	0.300	372.902	0.9	0.58	41.2	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.257	0.300	372.944	0.8	0.38	26.6	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.286	0.300	390.573	0.9	0.51	35.9	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.287	0.300	390.476	0.8	0.33	23.2	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.330	0.300	420.853	0.8	0.41	28.9	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.333	0.300	420.819	0.7	0.26	18.7	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.381	0.300	469.222	0.8	0.3	21.4	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.388	0.300	469.280	0.7	0.19	13.7	Surcharged

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.407	0.300	524.978	0.7	0.22	15.7	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.418	0.300	524.963	0.6	0.14	10.1	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.410	0.300	569.247	0.7	0.18	12.7	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.422	0.300	569.445	0.6	0.12	8.2	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.404	0.300	637.699	0.6	0.13	9.5	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.404	0.300	637.367	0.6	0.09	6.1	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.393	0.300	693.097	0.6	0.11	7.8	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.383	0.300	693.653	0.5	0.07	5.0	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.382	0.300	743.328	0.6	0.09	6.7	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.359	0.300	743.446	0.5	0.06	4.3	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.373	0.300	790.476	0.5	0.08	5.9	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.333	0.300	789.256	0.5	0.05	3.8	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.366	0.300	834.401	0.5	0.08	5.4	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.309	0.300	834.873	0.5	0.05	3.5	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -2.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.866	0.300	4.412	0.8	0.52	55.8	Flood
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.864	0.300	4.402	0.7	0.48	51.6	Flood
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.861	0.300	5.773	0.9	0.6	64.5	Flood
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.858	0.300	5.828	0.8	0.55	58.8	Flood
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.854	0.300	7.261	0.5	0.17	18.0	Flood
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.673	0.300	7.248	0.5	0.06	6.9	Flood Risk
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.480	0.300	8.395	0.5	0.04	4.0	OK
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.282	0.115	8.380	0.5	0.03	2.9	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.283	0.138	9.180	0.5	0.03	3.1	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.279	0.045	9.184	0.5	0.02	2.1	OK

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.280	0.080	9.782	0.5	0.02	2.5	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.276	0.062	9.787	0.5	0.02	1.7	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.278	0.095	10.750	0.5	0.02	1.9	OK
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.273	0.094	10.751	0.5	0.01	1.2	OK
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.275	0.119	11.520	0.5	0.01	1.6	OK
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.271	0.118	11.508	0.4	0.01	1.0	OK
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.273	0.137	12.139	0.5	0.01	1.3	OK
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.269	0.138	12.156	0.4	0.01	0.8	OK
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.286	0.166	12.733	0.4	0.01	1.1	OK
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.287	0.168	12.720	0.4	0.01	0.7	OK
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.330	0.210	13.699	0.4	0.01	0.9	OK
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.333	0.214	13.728	0.4	0.01	0.6	OK
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.382	0.262	15.270	0.4	0.01	0.7	OK
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.388	0.268	15.269	0.3	0	0.5	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.407	0.288	16.943	0.3	0	0.5	OK
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.418	0.299	16.995	0.3	0	0.3	OK
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.410	0.290	18.292	0.3	0	0.4	OK
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.422	0.300	18.422	0.3	0	0.3	OK
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.404	0.284	20.642	0.3	0	0.3	OK
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.404	0.284	20.640	0.3	0	0.2	OK
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.393	0.273	22.063	0.3	0	0.3	OK
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.383	0.263	22.289	0.3	0	0.2	OK
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.382	0.263	23.850	0.3	0	0.2	OK
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.359	0.239	23.518	0.2	0	0.1	OK
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.373	0.254	25.534	0.3	0	0.2	OK
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.333	0.213	25.100	0.2	0	0.1	OK
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.366	0.246	26.990	0.3	0	0.2	OK
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.309	0.190	26.976	0.2	0	0.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.005 - 5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S04-5	EX	28.502	26.667	0.038	2.946	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S04-5	EX	28.502	26.667	0.038	2.970	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S04-5	EX	28.502	26.788	0.037	6.322	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S04-5	EX	28.502	26.788	0.037	6.357	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S04-5	EX	28.502	26.912	0.038	12.116	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S04-5	EX	28.502	26.912	0.038	12.185	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S04-5	EX	28.502	27.003	0.037	24.788	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S04-5	EX	28.502	27.003	0.038	24.925	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S04-5	EX	28.502	27.062	0.038	38.425	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S04-5	EX	28.502	27.062	0.038	38.592	0.5	0.06	2.3	Surcharged

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S04-5	EX	28.502	27.105	0.038	52.475	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S04-5	EX	28.502	27.105	0.038	52.634	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S04-5	EX	28.502	27.171	0.038	81.203	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S04-5	EX	28.502	27.171	0.038	81.307	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S04-5	EX	28.502	27.218	0.038	110.585	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S04-5	EX	28.502	27.219	0.038	110.601	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S04-5	EX	28.502	27.255	0.038	140.337	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S04-5	EX	28.502	27.257	0.038	140.263	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S04-5	EX	28.502	27.285	0.038	170.249	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S04-5	EX	28.502	27.287	0.038	170.054	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S04-5	EX	28.502	27.329	0.038	230.258	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S04-5	EX	28.502	27.333	0.038	229.884	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S04-5	EX	28.502	27.381	0.038	349.318	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S04-5	EX	28.502	27.387	0.038	348.671	0.5	0.06	2.3	Surcharged

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S04-5	EX	28.502	27.407	0.038	521.309	0.5	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S04-5	EX	28.502	27.418	0.038	520.303	0.5	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S04-5	EX	28.502	27.409	0.038	685.680	0.5	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S04-5	EX	28.502	27.422	0.038	684.658	0.5	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S04-5	EX	28.502	27.403	0.038	1034.188	0.5	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S04-5	EX	28.502	27.403	0.038	1033.855	0.5	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S04-5	EX	28.502	27.392	0.038	1288.409	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S04-5	EX	28.502	27.382	0.038	1289.903	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S04-5	EX	28.502	27.382	0.038	1396.725	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S04-5	EX	28.502	27.358	0.038	1397.369	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S04-5	EX	28.502	27.373	0.038	1485.630	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S04-5	EX	28.502	27.332	0.038	1484.382	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S04-5	EX	28.502	27.365	0.038	1570.270	0.5	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S04-5	EX	28.502	27.309	0.038	1570.459	0.5	0.06	2.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -5.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.996	0.300	63.783	1.7	0.99	123.5	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.949	0.279	63.775	1.8	0.98	121.4	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.860	0.214	84.033	1.8	0.78	97.0	OK
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.848	0.204	84.027	1.8	0.73	91.0	OK
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.836	0.194	105.496	1.7	0.68	84.4	OK
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.807	0.168	105.472	1.7	0.55	67.9	OK
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.790	0.152	122.147	1.6	0.47	58.0	OK
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.760	0.125	122.138	1.5	0.34	41.7	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.766	0.130	133.433	1.5	0.36	44.7	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.739	0.106	133.487	1.4	0.25	30.8	OK

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.751	0.117	142.319	1.4	0.3	36.9	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.727	0.094	142.343	1.3	0.2	24.8	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.733	0.100	156.311	1.3	0.22	27.7	OK
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.711	0.080	156.338	1.2	0.15	18.2	OK
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.722	0.090	167.525	1.3	0.18	22.7	OK
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.702	0.071	167.489	1.1	0.12	14.7	OK
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.714	0.082	176.963	1.2	0.15	19.3	OK
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.696	0.065	176.903	1.1	0.1	12.4	OK
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.708	0.076	185.207	1.2	0.13	16.8	OK
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.692	0.061	185.165	1.1	0.09	10.8	OK
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.699	0.068	199.265	1.1	0.11	13.6	OK
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.685	0.055	199.289	1.0	0.07	8.8	OK
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.689	0.059	221.579	1.0	0.08	10.1	OK
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.677	0.047	221.777	0.9	0.05	6.5	OK

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.681	0.050	246.563	0.9	0.06	7.5	OK
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.670	0.041	246.539	0.8	0.04	4.8	OK
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.675	0.045	266.507	0.9	0.05	6.0	OK
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.666	0.037	266.723	0.8	0.03	3.9	OK
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.669	0.039	298.343	0.8	0.04	4.5	OK
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.661	0.032	298.463	0.7	0.02	2.9	OK
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.665	0.036	323.657	0.8	0.03	3.7	OK
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.658	0.029	324.293	0.7	0.02	2.4	OK
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.662	0.033	347.093	0.7	0.03	3.1	OK
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.656	0.027	347.597	0.7	0.02	2.0	OK
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.661	0.031	368.801	0.7	0.02	2.8	OK
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.655	0.025	368.468	0.6	0.01	1.8	OK
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.659	0.030	390.461	0.7	0.02	2.5	OK
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.653	0.024	389.945	0.6	0.01	1.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -5.002-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S08-5	S07-5	28.888	28.326	0.156	2.523	0.1	0.04	5.5	OK
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S08-5	S07-5	28.888	28.325	0.139	2.523	0.2	0.04	5.2	OK
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S08-5	S07-5	28.888	28.319	0.112	3.324	0.2	0.03	3.8	OK
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S08-5	S07-5	28.888	28.318	0.107	3.324	0.2	0.03	3.6	OK
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S08-5	S07-5	28.888	28.317	0.101	4.176	0.2	0.03	3.3	OK
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S08-5	S07-5	28.888	28.314	0.088	4.170	0.2	0.02	2.7	OK
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S08-5	S07-5	28.888	28.312	0.080	4.830	0.2	0.02	2.3	OK
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S08-5	S07-5	28.888	28.308	0.067	4.830	0.1	0.01	1.6	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S08-5	S07-5	28.888	28.309	0.069	5.274	0.1	0.01	1.8	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S08-5	S07-5	28.888	28.305	0.057	5.274	0.1	0.01	1.2	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S08-5	S07-5	28.888	28.307	0.062	5.628	0.1	0.01	1.5	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S08-5	S07-5	28.888	28.303	0.051	5.628	0.1	0.01	1.0	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S08-5	S07-5	28.888	28.304	0.054	6.180	0.1	0.01	1.1	OK
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S08-5	S07-5	28.888	28.301	0.043	6.198	0.1	0.01	0.7	OK
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S08-5	S07-5	28.888	28.302	0.049	6.630	0.1	0.01	0.9	OK
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S08-5	S07-5	28.888	28.299	0.039	6.618	0.1	0	0.6	OK
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S08-5	S07-5	28.888	28.301	0.045	6.996	0.1	0.01	0.8	OK
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S08-5	S07-5	28.888	28.298	0.036	7.020	0.1	0	0.5	OK
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S08-5	S07-5	28.888	28.300	0.042	7.314	0.1	0.01	0.7	OK
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S08-5	S07-5	28.888	28.297	0.034	7.338	0.1	0	0.4	OK
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S08-5	S07-5	28.888	28.299	0.038	7.896	0.1	0	0.5	OK
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S08-5	S07-5	28.888	28.296	0.030	7.878	0.1	0	0.4	OK
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S08-5	S07-5	28.888	28.297	0.033	8.718	0.1	0	0.4	OK
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S08-5	S07-5	28.888	28.295	0.026	8.808	0.1	0	0.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S08-5	S07-5	28.888	28.295	0.028	9.780	0.1	0	0.3	OK
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S08-5	S07-5	28.888	28.294	0.023	9.678	0.1	0	0.2	OK
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S08-5	S07-5	28.888	28.294	0.025	10.500	0.1	0	0.2	OK
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S08-5	S07-5	28.888	28.293	0.021	10.602	0.1	0	0.2	OK
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S08-5	S07-5	28.888	28.293	0.022	12.012	0.1	0	0.2	OK
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S08-5	S07-5	28.888	28.292	0.018	11.760	0.1	0	0.1	OK
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S08-5	S07-5	28.888	28.293	0.020	12.648	0.1	0	0.2	OK
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S08-5	S07-5	28.888	28.290	0.016	12.990	0.1	0	0.1	OK
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S08-5	S07-5	28.888	28.292	0.018	13.488	0.1	0	0.1	OK
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S08-5	S07-5	28.888	28.290	0.015	13.476	0.1	0	0.1	OK
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S08-5	S07-5	28.888	28.291	0.017	14.310	0.1	0	0.1	OK
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S08-5	S07-5	28.888	28.290	0.014	14.304	0.1	0	0.1	OK
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S08-5	S07-5	28.888	28.291	0.017	15.246	0.1	0	0.1	OK
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S08-5	S07-5	28.888	28.289	0.013	15.228	0.1	0	0.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -3.001-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S10-5	S09-5	28.560	26.954	0.300	27.945	0.6	0.72	45.1	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S10-5	S09-5	28.560	26.933	0.300	27.952	0.6	0.72	45.6	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S10-5	S09-5	28.560	26.879	0.283	35.746	0.6	0.68	43.1	OK
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S10-5	S09-5	28.560	26.861	0.267	35.745	0.6	0.64	40.5	OK
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S10-5	S09-5	28.560	26.912	0.300	43.223	0.6	0.6	37.6	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S10-5	S09-5	28.560	26.912	0.300	43.214	0.6	0.48	30.2	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S10-5	S09-5	28.560	27.003	0.300	49.629	0.5	0.41	25.8	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S10-5	S09-5	28.560	27.003	0.300	49.643	0.5	0.3	18.6	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S10-5	S09-5	28.560	27.061	0.300	54.249	0.5	0.3	18.8	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S10-5	S09-5	28.560	27.061	0.300	54.245	0.5	0.21	13.4	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S10-5	S09-5	28.560	27.105	0.300	57.931	0.5	0.25	15.5	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S10-5	S09-5	28.560	27.105	0.300	57.927	0.5	0.16	10.4	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S10-5	S09-5	28.560	27.170	0.300	63.885	0.4	0.18	11.1	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S10-5	S09-5	28.560	27.171	0.300	63.868	0.4	0.12	7.3	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S10-5	S09-5	28.560	27.218	0.300	68.707	0.4	0.14	8.8	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S10-5	S09-5	28.560	27.219	0.300	68.707	0.4	0.09	5.7	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S10-5	S09-5	28.560	27.255	0.300	72.848	0.4	0.12	7.4	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S10-5	S09-5	28.560	27.257	0.300	72.841	0.4	0.08	4.8	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S10-5	S09-5	28.560	27.285	0.300	76.492	0.4	0.1	6.5	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S10-5	S09-5	28.560	27.287	0.300	76.468	0.4	0.07	4.2	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S10-5	S09-5	28.560	27.329	0.300	82.770	0.4	0.08	5.1	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S10-5	S09-5	28.560	27.333	0.300	82.807	0.4	0.05	3.3	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S10-5	S09-5	28.560	27.381	0.300	93.028	0.3	0.06	3.6	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S10-5	S09-5	28.560	27.387	0.300	93.046	0.3	0.04	2.4	Surcharged

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S10-5	S09-5	28.560	27.407	0.300	104.960	0.3	0.04	2.7	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S10-5	S09-5	28.560	27.418	0.300	104.934	0.3	0.03	1.8	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S10-5	S09-5	28.560	27.409	0.300	115.532	0.3	0.04	2.2	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S10-5	S09-5	28.560	27.422	0.300	115.614	0.3	0.02	1.5	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S10-5	S09-5	28.560	27.403	0.300	132.742	0.3	0.03	1.7	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S10-5	S09-5	28.560	27.403	0.300	132.819	0.3	0.02	1.1	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S10-5	S09-5	28.560	27.392	0.300	144.225	0.3	0.02	1.4	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S10-5	S09-5	28.560	27.382	0.300	144.345	0.2	0.01	0.9	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S10-5	S09-5	28.560	27.382	0.300	154.755	0.2	0.02	1.2	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S10-5	S09-5	28.560	27.358	0.300	154.754	0.2	0.01	0.8	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S10-5	S09-5	28.560	27.373	0.300	164.246	0.2	0.02	1.1	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S10-5	S09-5	28.560	27.332	0.300	164.432	0.2	0.01	0.7	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S10-5	S09-5	28.560	27.365	0.300	173.828	0.2	0.02	1.0	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S10-5	S09-5	28.560	27.309	0.300	173.821	0.2	0.01	0.7	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -3.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S09-5	Tank	28.846	26.918	0.300	55.751	1.5	1.48	104.5	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S09-5	Tank	28.846	26.901	0.294	55.749	1.4	1.42	100.1	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S09-5	Tank	28.846	26.851	0.261	71.751	1.3	1.22	86.0	OK
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S09-5	Tank	28.846	26.836	0.250	71.759	1.3	1.14	80.8	OK
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S09-5	Tank	28.846	26.913	0.300	88.160	1.2	1.06	74.9	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S09-5	Tank	28.846	26.912	0.300	88.175	1.1	0.85	60.3	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S09-5	Tank	28.846	27.004	0.300	101.578	1.1	0.73	51.5	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S09-5	Tank	28.846	27.003	0.300	101.611	1.0	0.52	37.0	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S09-5	Tank	28.846	27.062	0.300	111.005	1.0	0.54	38.4	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S09-5	Tank	28.846	27.062	0.300	111.019	0.9	0.38	26.9	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S09-5	Tank	28.846	27.106	0.300	118.502	0.9	0.44	31.4	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S09-5	Tank	28.846	27.106	0.300	118.536	0.8	0.29	20.8	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S09-5	Tank	28.846	27.171	0.300	130.526	0.8	0.32	22.7	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S09-5	Tank	28.846	27.171	0.300	130.528	0.7	0.21	14.9	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S09-5	Tank	28.846	27.219	0.300	140.226	0.8	0.25	18.0	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S09-5	Tank	28.846	27.219	0.300	140.205	0.7	0.16	11.6	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S09-5	Tank	28.846	27.256	0.300	148.489	0.7	0.22	15.3	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S09-5	Tank	28.846	27.257	0.300	148.495	0.7	0.14	9.8	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S09-5	Tank	28.846	27.286	0.300	155.810	0.7	0.19	13.3	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S09-5	Tank	28.846	27.287	0.300	155.750	0.6	0.12	8.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S09-5	Tank	28.846	27.330	0.300	168.317	0.6	0.15	10.5	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S09-5	Tank	28.846	27.333	0.300	168.358	0.6	0.1	6.9	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S09-5	Tank	28.846	27.381	0.300	188.580	0.6	0.11	7.9	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S09-5	Tank	28.846	27.387	0.300	188.645	0.5	0.07	5.1	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S09-5	Tank	28.846	27.407	0.300	212.049	0.5	0.08	5.9	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S09-5	Tank	28.846	27.418	0.300	212.039	0.5	0.05	3.8	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S09-5	Tank	28.846	27.410	0.300	232.009	0.5	0.07	4.8	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S09-5	Tank	28.846	27.422	0.300	231.897	0.5	0.04	3.1	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S09-5	Tank	28.846	27.404	0.300	264.605	0.5	0.05	3.6	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S09-5	Tank	28.846	27.403	0.300	264.983	0.4	0.03	2.3	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S09-5	Tank	28.846	27.392	0.300	287.764	0.4	0.04	3.0	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S09-5	Tank	28.846	27.383	0.300	287.956	0.4	0.03	1.9	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S09-5	Tank	28.846	27.382	0.300	308.706	0.4	0.04	2.6	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S09-5	Tank	28.846	27.359	0.300	308.686	0.4	0.02	1.6	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S09-5	Tank	28.846	27.373	0.300	327.736	0.4	0.03	2.3	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S09-5	Tank	28.846	27.333	0.300	328.018	0.4	0.02	1.5	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S09-5	Tank	28.846	27.366	0.300	346.445	0.4	0.03	2.1	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S09-5	Tank	28.846	27.309	0.300	346.660	0.4	0.02	1.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -3.0003--5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S12-5	S11-5	28.755	27.319	0.225	28.229	1.5	1.04	60.8	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S12-5	S11-5	28.755	27.252	0.217	28.254	1.5	0.99	57.5	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S12-5	S11-5	28.755	27.173	0.152	37.416	1.5	0.74	43.2	OK
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S12-5	S11-5	28.755	27.165	0.145	37.416	1.5	0.7	40.5	OK
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S12-5	S11-5	28.755	27.157	0.138	46.938	1.5	0.65	37.6	OK
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S12-5	S11-5	28.755	27.137	0.120	46.922	1.4	0.52	30.2	OK
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S12-5	S11-5	28.755	27.125	0.109	54.355	1.4	0.44	25.8	OK
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S12-5	S11-5	28.755	27.105	0.097	54.361	1.2	0.32	18.6	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S12-5	S11-5	28.755	27.109	0.139	59.346	1.3	0.34	19.9	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S12-5	S11-5	28.755	27.090	0.139	59.342	1.2	0.24	13.7	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S12-5	S11-5	28.755	27.106	0.183	63.213	1.2	0.28	16.4	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S12-5	S11-5	28.755	27.106	0.183	63.213	1.1	0.19	11.0	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S12-5	S11-5	28.755	27.170	0.225	69.350	1.1	0.21	12.3	OK
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S12-5	S11-5	28.755	27.171	0.225	69.340	1.0	0.14	8.1	OK
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S12-5	S11-5	28.755	27.218	0.225	74.264	1.1	0.17	10.1	OK
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S12-5	S11-5	28.755	27.219	0.225	74.273	0.9	0.11	6.6	OK
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S12-5	S11-5	28.755	27.256	0.225	78.451	1.0	0.15	8.6	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S12-5	S11-5	28.755	27.257	0.225	78.454	0.9	0.1	5.5	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S12-5	S11-5	28.755	27.286	0.225	82.115	1.0	0.13	7.5	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S12-5	S11-5	28.755	27.287	0.225	82.101	0.9	0.08	4.8	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S12-5	S11-5	28.755	27.330	0.225	88.382	0.9	0.1	6.0	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S12-5	S11-5	28.755	27.333	0.225	88.432	0.8	0.07	3.9	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S12-5	S11-5	28.755	27.381	0.225	98.485	0.9	0.08	4.5	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S12-5	S11-5	28.755	27.388	0.225	98.520	0.8	0.05	2.9	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S12-5	S11-5	28.755	27.407	0.225	109.777	0.8	0.06	3.3	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S12-5	S11-5	28.755	27.418	0.225	109.772	0.7	0.04	2.1	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S12-5	S11-5	28.755	27.410	0.225	118.661	0.7	0.05	2.7	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S12-5	S11-5	28.755	27.422	0.225	118.787	0.6	0.03	1.7	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S12-5	S11-5	28.755	27.404	0.225	132.723	0.7	0.03	2.0	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S12-5	S11-5	28.755	27.403	0.225	132.806	0.6	0.02	1.3	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S12-5	S11-5	28.755	27.393	0.225	144.209	0.6	0.03	1.6	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S12-5	S11-5	28.755	27.383	0.225	144.333	0.6	0.02	1.1	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S12-5	S11-5	28.755	27.382	0.225	154.741	0.6	0.02	1.4	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S12-5	S11-5	28.755	27.359	0.225	154.744	0.5	0.02	0.9	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S12-5	S11-5	28.755	27.373	0.225	164.234	0.6	0.02	1.2	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S12-5	S11-5	28.755	27.333	0.225	164.422	0.5	0.01	0.8	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S12-5	S11-5	28.755	27.366	0.225	173.816	0.6	0.02	1.1	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S12-5	S11-5	28.755	27.309	0.225	173.813	0.5	0.01	0.7	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -4.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S13-5	S09-5	28.754	27.308	0.225	27.986	1.5	1.05	60.9	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S13-5	S09-5	28.754	27.240	0.225	28.001	1.4	0.97	56.6	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S13-5	S09-5	28.754	27.096	0.185	36.975	1.3	0.74	42.9	OK
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S13-5	S09-5	28.754	27.088	0.175	36.998	1.3	0.69	40.3	OK
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S13-5	S09-5	28.754	27.081	0.164	46.505	1.3	0.64	37.4	OK
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S13-5	S09-5	28.754	27.062	0.154	46.536	1.3	0.52	30.0	OK
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S13-5	S09-5	28.754	27.050	0.216	53.784	1.2	0.44	25.7	OK
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S13-5	S09-5	28.754	27.031	0.216	53.793	1.2	0.32	18.5	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S13-5	S09-5	28.754	27.062	0.225	58.662	1.2	0.34	19.8	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S13-5	S09-5	28.754	27.062	0.225	58.683	1.2	0.24	13.7	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S13-5	S09-5	28.754	27.105	0.225	62.511	1.2	0.28	16.4	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S13-5	S09-5	28.754	27.106	0.225	62.572	1.1	0.19	11.0	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S13-5	S09-5	28.754	27.171	0.225	68.646	1.1	0.21	12.3	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S13-5	S09-5	28.754	27.171	0.225	68.691	1.0	0.14	8.1	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S13-5	S09-5	28.754	27.219	0.225	73.566	1.0	0.17	10.1	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S13-5	S09-5	28.754	27.219	0.225	73.567	0.9	0.11	6.5	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S13-5	S09-5	28.754	27.256	0.225	77.713	1.0	0.15	8.5	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S13-5	S09-5	28.754	27.257	0.225	77.745	0.9	0.09	5.5	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S13-5	S09-5	28.754	27.286	0.225	81.404	0.9	0.13	7.4	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S13-5	S09-5	28.754	27.287	0.225	81.384	0.8	0.08	4.8	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S13-5	S09-5	28.754	27.330	0.225	87.638	0.9	0.1	6.0	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S13-5	S09-5	28.754	27.333	0.225	87.655	0.8	0.07	3.9	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S13-5	S09-5	28.754	27.381	0.225	97.599	0.8	0.08	4.5	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S13-5	S09-5	28.754	27.388	0.225	97.658	0.7	0.05	2.9	Surcharged

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S13-5	S09-5	28.754	27.407	0.225	108.988	0.7	0.06	3.3	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S13-5	S09-5	28.754	27.418	0.225	109.014	0.7	0.04	2.1	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S13-5	S09-5	28.754	27.410	0.225	118.026	0.7	0.05	2.7	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S13-5	S09-5	28.754	27.422	0.225	117.846	0.6	0.03	1.7	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S13-5	S09-5	28.754	27.404	0.225	131.861	0.6	0.03	2.0	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S13-5	S09-5	28.754	27.403	0.225	132.166	0.6	0.02	1.3	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S13-5	S09-5	28.754	27.393	0.225	143.541	0.6	0.03	1.6	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S13-5	S09-5	28.754	27.383	0.225	143.616	0.5	0.02	1.0	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S13-5	S09-5	28.754	27.382	0.225	153.953	0.5	0.02	1.4	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S13-5	S09-5	28.754	27.359	0.225	153.938	0.5	0.02	0.9	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S13-5	S09-5	28.754	27.373	0.225	163.493	0.5	0.02	1.2	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S13-5	S09-5	28.754	27.333	0.225	163.592	0.5	0.01	0.8	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S13-5	S09-5	28.754	27.366	0.225	172.620	0.5	0.02	1.1	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S13-5	S09-5	28.754	27.309	0.225	172.845	0.5	0.01	0.7	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.004-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Tank	S04-5	28.670	26.667	0.225	3.534	0.4	0.07	3.0	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	Tank	S04-5	28.670	26.667	0.225	3.558	0.4	0.07	3.0	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	Tank	S04-5	28.670	26.789	0.225	7.047	0.3	0.07	2.9	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	Tank	S04-5	28.670	26.789	0.225	7.082	0.3	0.07	2.9	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	Tank	S04-5	28.670	26.913	0.225	12.977	0.1	0.07	2.9	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	Tank	S04-5	28.670	26.913	0.225	13.045	0.3	0.07	2.8	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	Tank	S04-5	28.670	27.004	0.225	25.742	0.2	0.07	2.7	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	Tank	S04-5	28.670	27.004	0.225	25.879	0.3	0.06	2.6	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	Tank	S04-5	28.670	27.062	0.225	39.435	0.2	0.06	2.6	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	Tank	S04-5	28.670	27.062	0.225	39.602	0.2	0.06	2.5	Surcharged

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	Tank	S04-5	28.670	27.106	0.225	53.523	0.2	0.06	2.5	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	Tank	S04-5	28.670	27.106	0.225	53.682	0.2	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	Tank	S04-5	28.670	27.171	0.225	82.299	0.2	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	Tank	S04-5	28.670	27.171	0.225	82.403	0.2	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	Tank	S04-5	28.670	27.219	0.225	111.708	0.2	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	Tank	S04-5	28.670	27.220	0.225	111.724	0.2	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	Tank	S04-5	28.670	27.256	0.225	141.475	0.2	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	Tank	S04-5	28.670	27.257	0.225	141.402	0.2	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	Tank	S04-5	28.670	27.286	0.225	171.394	0.2	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	Tank	S04-5	28.670	27.287	0.225	171.199	0.2	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	Tank	S04-5	28.670	27.330	0.225	231.397	0.2	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	Tank	S04-5	28.670	27.333	0.225	231.023	0.2	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	Tank	S04-5	28.670	27.381	0.225	350.405	0.2	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	Tank	S04-5	28.670	27.388	0.225	349.760	0.2	0.06	2.3	Surcharged

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	Tank	S04-5	28.670	27.407	0.225	522.272	0.2	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	Tank	S04-5	28.670	27.418	0.225	521.267	0.2	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	Tank	S04-5	28.670	27.410	0.225	686.498	0.2	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	Tank	S04-5	28.670	27.422	0.225	685.479	0.1	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	Tank	S04-5	28.670	27.404	0.225	1034.616	0.2	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	Tank	S04-5	28.670	27.403	0.225	1034.285	0.1	0.06	2.4	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	Tank	S04-5	28.670	27.392	0.225	1288.484	0.2	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	Tank	S04-5	28.670	27.383	0.225	1289.978	0.1	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	Tank	S04-5	28.670	27.382	0.225	1396.739	0.1	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	Tank	S04-5	28.670	27.359	0.225	1397.382	0.1	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	Tank	S04-5	28.670	27.373	0.225	1485.636	0.1	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	Tank	S04-5	28.670	27.333	0.225	1484.388	0.1	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	Tank	S04-5	28.670	27.366	0.225	1570.274	0.1	0.06	2.3	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	Tank	S04-5	28.670	27.309	0.225	1570.463	0.1	0.06	2.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -3.002-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S11-5	S10-5	28.558	27.075	0.300	28.395	0.7	0.8	48.8	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S11-5	S10-5	28.558	27.026	0.298	28.407	0.7	0.79	48.2	OK
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S11-5	S10-5	28.558	26.963	0.239	37.383	0.8	0.7	43.1	OK
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S11-5	S10-5	28.558	26.946	0.222	37.384	0.8	0.66	40.5	OK
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S11-5	S10-5	28.558	26.933	0.231	45.929	0.7	0.61	37.6	OK
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S11-5	S10-5	28.558	26.913	0.230	45.920	0.7	0.49	30.2	OK
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S11-5	S10-5	28.558	27.003	0.300	52.670	0.7	0.42	25.8	OK
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S11-5	S10-5	28.558	27.003	0.300	52.679	0.7	0.3	18.6	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S11-5	S10-5	28.558	27.062	0.300	57.387	0.7	0.33	19.9	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S11-5	S10-5	28.558	27.062	0.300	57.376	0.6	0.22	13.7	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S11-5	S10-5	28.558	27.106	0.300	61.124	0.7	0.27	16.4	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S11-5	S10-5	28.558	27.106	0.300	61.112	0.6	0.18	11.1	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S11-5	S10-5	28.558	27.170	0.300	67.136	0.6	0.2	12.3	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S11-5	S10-5	28.558	27.171	0.300	67.109	0.6	0.13	8.1	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S11-5	S10-5	28.558	27.218	0.300	71.986	0.6	0.17	10.1	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S11-5	S10-5	28.558	27.219	0.300	71.976	0.5	0.11	6.6	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S11-5	S10-5	28.558	27.256	0.300	76.140	0.6	0.14	8.6	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S11-5	S10-5	28.558	27.257	0.300	76.123	0.5	0.09	5.5	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S11-5	S10-5	28.558	27.286	0.300	79.787	0.5	0.12	7.4	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S11-5	S10-5	28.558	27.287	0.300	79.753	0.5	0.08	4.8	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S11-5	S10-5	28.558	27.330	0.300	86.053	0.5	0.1	5.9	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S11-5	S10-5	28.558	27.333	0.300	86.081	0.5	0.06	3.8	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S11-5	S10-5	28.558	27.381	0.300	96.242	0.4	0.07	4.1	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S11-5	S10-5	28.558	27.388	0.300	96.253	0.4	0.05	2.8	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S11-5	S10-5	28.558	27.407	0.300	107.974	0.4	0.05	3.0	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S11-5	S10-5	28.558	27.418	0.300	107.943	0.4	0.03	2.1	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S11-5	S10-5	28.558	27.410	0.300	117.921	0.4	0.04	2.4	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S11-5	S10-5	28.558	27.422	0.300	118.013	0.4	0.03	1.6	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S11-5	S10-5	28.558	27.404	0.300	132.797	0.4	0.03	1.8	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S11-5	S10-5	28.558	27.403	0.300	132.867	0.3	0.02	1.2	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S11-5	S10-5	28.558	27.393	0.300	144.277	0.3	0.02	1.5	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S11-5	S10-5	28.558	27.383	0.300	144.389	0.3	0.02	1.0	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S11-5	S10-5	28.558	27.382	0.300	154.804	0.3	0.02	1.3	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S11-5	S10-5	28.558	27.359	0.300	154.796	0.3	0.01	0.9	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S11-5	S10-5	28.558	27.373	0.300	164.294	0.3	0.02	1.1	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S11-5	S10-5	28.558	27.333	0.300	164.472	0.3	0.01	0.8	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S11-5	S10-5	28.558	27.366	0.300	173.874	0.3	0.02	1.0	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S11-5	S10-5	28.558	27.309	0.300	173.860	0.3	0.01	0.7	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -1.003-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 200 years: +45 %: 15 mins: Summer	Pipe	S03-5	Tank	28.711	27.453	0.300	152.820	3.1	3.12	220.6	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S03-5	Tank	28.711	27.418	0.300	152.777	3.0	3.01	212.7	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S03-5	Tank	28.711	27.293	0.300	200.861	2.6	2.58	182.4	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S03-5	Tank	28.711	27.274	0.300	200.849	2.5	2.51	177.1	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S03-5	Tank	28.711	27.257	0.300	250.504	2.4	2.44	172.2	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S03-5	Tank	28.711	27.226	0.300	250.507	2.3	2.31	163.2	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S03-5	Tank	28.711	27.156	0.300	287.582	2.0	1.98	140.0	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S03-5	Tank	28.711	27.097	0.300	287.617	1.4	1.42	100.4	Surcharged
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S03-5	Tank	28.711	27.165	0.300	313.783	1.5	1.52	107.8	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S03-5	Tank	28.711	27.165	0.300	313.813	1.2	1.05	74.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S03-5	Tank	28.711	27.217	0.300	334.925	1.3	1.26	89.0	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S03-5	Tank	28.711	27.218	0.300	334.975	1.1	0.85	60.0	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S03-5	Tank	28.711	27.297	0.300	369.254	1.2	0.95	67.1	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S03-5	Tank	28.711	27.298	0.300	369.278	1.0	0.63	44.3	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S03-5	Tank	28.711	27.357	0.300	396.960	1.1	0.78	55.4	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S03-5	Tank	28.711	27.358	0.300	397.022	1.0	0.51	35.7	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S03-5	Tank	28.711	27.403	0.300	420.532	1.0	0.65	46.3	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S03-5	Tank	28.711	27.406	0.300	420.555	0.9	0.42	29.8	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S03-5	Tank	28.711	27.442	0.300	441.247	1.0	0.57	40.0	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S03-5	Tank	28.711	27.444	0.300	441.257	0.9	0.37	25.8	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S03-5	Tank	28.711	27.499	0.300	476.727	0.9	0.46	32.2	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S03-5	Tank	28.711	27.503	0.300	476.672	0.8	0.29	20.5	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S03-5	Tank	28.711	27.567	0.300	532.673	0.8	0.33	23.4	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S03-5	Tank	28.711	27.574	0.300	532.675	0.7	0.21	15.1	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S03-5	Tank	28.711	27.604	0.300	595.108	0.7	0.24	17.3	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S03-5	Tank	28.711	27.617	0.300	595.032	0.7	0.16	11.2	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S03-5	Tank	28.711	27.607	0.300	645.351	0.7	0.2	14.0	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S03-5	Tank	28.711	27.624	0.300	644.927	0.6	0.13	9.0	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S03-5	Tank	28.711	27.594	0.300	722.834	0.6	0.15	10.4	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S03-5	Tank	28.711	27.600	0.300	722.881	0.6	0.09	6.7	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S03-5	Tank	28.711	27.579	0.300	781.700	0.6	0.12	8.4	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S03-5	Tank	28.711	27.574	0.300	781.825	0.6	0.08	5.4	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S03-5	Tank	28.711	27.561	0.300	833.062	0.6	0.1	7.2	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S03-5	Tank	28.711	27.543	0.300	833.416	0.5	0.07	4.7	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S03-5	Tank	28.711	27.545	0.300	880.614	0.6	0.09	6.3	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S03-5	Tank	28.711	27.513	0.300	880.997	0.5	0.06	4.1	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S03-5	Tank	28.711	27.532	0.300	925.922	0.6	0.08	5.7	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S03-5	Tank	28.711	27.483	0.300	925.177	0.5	0.05	3.7	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -5.001-5 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 200 years: +45 %: 15 mins: Summer	Pipe	S07-5	S06 - 5	28.888	28.260	0.300	34.738	0.9	0.89	62.8	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S07-5	S06 - 5	28.888	28.156	0.300	34.726	0.8	0.76	53.9	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S07-5	S06 - 5	28.888	28.002	0.233	45.937	0.9	0.75	53.0	OK
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.990	0.220	45.937	0.9	0.7	49.8	OK
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.979	0.207	57.897	0.9	0.66	46.3	OK
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.952	0.177	57.897	0.9	0.53	37.3	OK
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.936	0.159	66.874	0.8	0.45	31.7	OK
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.910	0.130	66.868	0.8	0.32	22.8	OK
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.915	0.135	73.120	0.8	0.35	24.5	OK
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.892	0.109	73.109	0.7	0.24	16.9	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.902	0.121	78.101	0.8	0.29	20.2	OK
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.881	0.097	78.119	0.7	0.19	13.6	OK
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.886	0.103	86.105	0.7	0.22	15.2	OK
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.868	0.082	86.106	0.6	0.14	10.0	OK
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.877	0.092	92.507	0.7	0.18	12.5	OK
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.860	0.073	92.508	0.6	0.11	8.1	OK
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.870	0.085	97.889	0.6	0.15	10.7	OK
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.855	0.067	97.926	0.6	0.1	6.9	OK
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.865	0.079	102.659	0.6	0.13	9.3	OK
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.851	0.063	102.672	0.6	0.09	6.0	OK
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.858	0.071	110.681	0.6	0.11	7.5	OK
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.845	0.056	110.711	0.5	0.07	4.9	OK
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.849	0.061	123.233	0.5	0.08	5.6	OK
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.838	0.049	123.137	0.5	0.05	3.6	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.841	0.052	136.919	0.5	0.06	4.1	OK
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.831	0.042	136.889	0.4	0.04	2.7	OK
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.836	0.047	147.419	0.5	0.05	3.3	OK
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.828	0.038	147.437	0.4	0.03	2.2	OK
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.830	0.040	163.859	0.4	0.04	2.5	OK
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.823	0.033	163.907	0.4	0.02	1.6	OK
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.826	0.036	177.354	0.4	0.03	2.0	OK
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.820	0.030	177.245	0.4	0.02	1.3	OK
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.824	0.034	188.448	0.4	0.02	1.7	OK
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.818	0.027	189.066	0.3	0.02	1.1	OK
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.822	0.032	199.296	0.4	0.02	1.5	OK
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.816	0.026	199.398	0.3	0.01	1.0	OK
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S07-5	S06 - 5	28.888	27.821	0.030	209.394	0.4	0.02	1.4	OK
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S07-5	S06 - 5	28.888	27.815	0.025	209.262	0.3	0.01	0.9	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -1.000-5 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 200 years: +45 %: 15 mins: Summer	Pipe	S01-5	S02 - 5	28.623	28.123	0.300	5.111	1.3	1.28	90.3	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S01-5	S02 - 5	28.623	28.077	0.300	5.042	1.3	1.27	90.0	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.920	0.300	6.594	0.9	0.88	62.3	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.899	0.300	6.582	0.8	0.78	55.4	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.879	0.300	8.265	0.7	0.7	49.3	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.850	0.300	8.245	0.2	0.15	10.8	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.624	0.300	8.760	0.1	0.15	10.5	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.283	0.300	8.764	0.1	0.08	5.3	OK
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.343	0.300	9.056	0.1	0.11	7.6	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.165	0.258	9.053	0.1	0.04	3.0	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.218	0.300	9.336	0.1	0.07	5.2	OK
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.218	0.300	9.342	0.1	0.03	2.1	OK
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.298	0.300	9.985	0.1	0.04	2.7	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.298	0.300	9.991	0.1	0.02	1.4	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.357	0.300	10.643	0.1	0.03	1.8	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.358	0.300	10.627	0.1	0.02	1.1	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.403	0.300	11.219	0.1	0.02	1.5	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.406	0.300	11.170	0.1	0.01	1.0	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.442	0.300	11.779	0.1	0.02	1.3	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.444	0.300	11.778	0.1	0.01	0.8	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.499	0.300	12.915	0.1	0.02	1.1	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.503	0.300	12.873	0.1	0.01	0.7	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.567	0.300	14.976	0.1	0.01	0.8	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.574	0.300	14.975	0.1	0.01	0.5	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.604	0.300	17.942	0.1	0.01	0.6	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.617	0.300	17.903	0.1	0.01	0.4	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.607	0.300	20.637	0.1	0.01	0.5	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.624	0.300	20.635	0.1	0	0.3	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.594	0.300	23.133	0.1	0	0.4	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.600	0.300	23.246	0.1	0	0.2	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.579	0.300	25.160	0.1	0	0.3	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.574	0.300	24.835	0.1	0	0.2	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.561	0.300	26.546	0.1	0	0.2	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.543	0.300	26.892	0.1	0	0.2	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.545	0.300	28.111	0.1	0	0.2	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.513	0.300	28.097	0.0	0	0.1	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S01-5	S02 - 5	28.623	27.532	0.300	29.898	0.1	0	0.2	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S01-5	S02 - 5	28.623	27.483	0.300	29.405	0.0	0	0.1	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -1.001-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 200 years: +45 %: 15 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	28.486	0.300	101.590	1.7	1.67	117.7	Flood Risk
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	28.379	0.300	101.543	1.6	1.62	114.5	Flood Risk
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.991	0.300	134.524	1.5	1.49	105.0	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.946	0.300	134.516	1.5	1.51	107.0	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.913	0.300	168.360	1.5	1.53	108.2	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.849	0.300	168.357	1.5	1.53	107.9	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.623	0.300	193.024	1.3	1.32	92.9	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.282	0.300	193.029	0.9	0.94	66.6	Surcharged
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.342	0.300	210.376	1.0	1.01	71.5	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.165	0.300	210.372	0.7	0.7	49.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.218	0.300	224.387	0.8	0.84	59.0	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.218	0.300	224.396	0.7	0.56	39.8	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.297	0.300	247.201	0.7	0.63	44.6	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.298	0.300	247.188	0.7	0.42	29.4	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.357	0.300	265.641	0.7	0.52	36.7	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.358	0.300	265.635	0.7	0.34	23.7	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.403	0.300	281.297	0.7	0.44	31.1	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.406	0.300	281.259	0.6	0.28	20.1	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.442	0.300	295.033	0.7	0.38	27.1	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.444	0.300	295.008	0.6	0.25	17.6	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.499	0.300	318.550	0.6	0.31	21.9	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.503	0.300	318.495	0.6	0.2	14.0	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.567	0.300	355.623	0.6	0.23	15.9	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.574	0.300	355.600	0.6	0.15	10.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.604	0.300	396.885	0.6	0.17	11.8	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.617	0.300	396.941	0.5	0.11	7.6	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.607	0.300	430.049	0.5	0.13	9.5	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.624	0.300	430.072	0.5	0.09	6.1	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.594	0.300	479.838	0.5	0.1	7.0	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.600	0.300	479.981	0.5	0.06	4.5	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.579	0.300	518.820	0.5	0.08	5.7	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.574	0.300	518.764	0.5	0.05	3.7	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.561	0.300	552.911	0.5	0.07	4.9	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.543	0.300	553.005	0.4	0.04	3.1	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.545	0.300	584.464	0.5	0.06	4.3	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.513	0.300	584.835	0.4	0.04	2.8	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S02 - 5	S03 - 5	28.622	27.532	0.300	614.956	0.4	0.05	3.9	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S02 - 5	S03 - 5	28.622	27.483	0.300	614.048	0.4	0.04	2.5	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -1.002-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 200 years: +45 %: 15 mins: Summer	Pipe	S03 - 5	S03-5	28.792	28.230	0.300	152.975	3.3	3.26	230.9	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S03 - 5	S03-5	28.792	28.136	0.300	152.931	3.1	3.13	221.3	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.787	0.300	202.245	2.6	2.58	182.4	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.741	0.300	202.234	2.5	2.5	177.3	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.705	0.300	253.070	2.4	2.44	173.0	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.626	0.300	253.070	2.3	2.3	163.2	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.454	0.300	290.707	2.0	1.98	140.0	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.196	0.300	290.732	1.4	1.42	100.5	Surcharged
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.241	0.300	317.231	1.5	1.52	107.8	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.165	0.300	317.240	1.1	1.05	74.4	Surcharged

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.217	0.300	338.599	1.3	1.26	89.1	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.218	0.300	338.617	1.0	0.85	60.0	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.297	0.300	373.223	1.0	0.95	67.2	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.298	0.300	373.208	0.9	0.63	44.3	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.356	0.300	401.105	1.0	0.78	55.4	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.358	0.300	401.125	0.9	0.5	35.7	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.403	0.300	424.773	0.9	0.66	46.7	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.406	0.300	424.759	0.8	0.43	30.2	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.441	0.300	445.535	0.9	0.58	40.7	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.444	0.300	445.514	0.8	0.37	26.3	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.499	0.300	481.007	0.8	0.46	32.8	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.503	0.300	480.936	0.8	0.3	21.0	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.567	0.300	536.717	0.8	0.34	23.9	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.574	0.300	536.715	0.7	0.22	15.4	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.604	0.300	598.501	0.7	0.25	17.7	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.617	0.300	598.432	0.6	0.16	11.4	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.607	0.300	647.954	0.7	0.2	14.2	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.624	0.300	647.538	0.6	0.13	9.2	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.594	0.300	723.036	0.6	0.15	10.6	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.600	0.300	723.107	0.6	0.1	6.8	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.579	0.300	781.747	0.6	0.12	8.6	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.574	0.300	781.865	0.5	0.08	5.5	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.561	0.300	833.106	0.6	0.1	7.3	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.543	0.300	833.452	0.5	0.07	4.7	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.545	0.300	880.656	0.5	0.09	6.4	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.513	0.300	881.032	0.5	0.06	4.2	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S03 - 5	S03-5	28.792	27.532	0.300	925.961	0.5	0.08	5.8	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S03 - 5	S03-5	28.792	27.483	0.300	925.210	0.5	0.05	3.8	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -2.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 200 years: +45 %: 15 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.873	0.300	4.984	1.3	0.83	89.6	Flood
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.871	0.300	4.913	1.3	0.83	89.2	Flood
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.868	0.300	6.545	0.9	0.57	61.2	Flood
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.864	0.300	6.543	0.8	0.51	54.5	Flood
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.861	0.300	8.232	0.7	0.45	48.6	Flood
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.850	0.300	8.239	0.5	0.06	6.8	Flood
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.624	0.300	9.491	0.5	0.06	6.8	Flood Risk
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.285	0.164	9.499	0.5	0.03	3.2	OK
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.344	0.224	10.387	0.5	0.03	3.4	OK
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.280	0.092	10.384	0.5	0.02	2.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.282	0.119	11.084	0.5	0.03	2.9	OK
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.278	0.118	11.088	0.5	0.02	1.9	OK
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.298	0.178	12.211	0.5	0.02	2.2	OK
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.298	0.179	12.215	0.5	0.01	1.4	OK
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.357	0.238	13.111	0.5	0.02	1.8	OK
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.358	0.239	13.095	0.4	0.01	1.1	OK
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.403	0.284	13.807	0.5	0.01	1.5	OK
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.406	0.286	13.759	0.4	0.01	1.0	OK
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.442	0.300	14.419	0.5	0.01	1.3	OK
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.444	0.300	14.419	0.4	0.01	0.8	OK
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.499	0.300	15.569	0.4	0.01	1.1	OK
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.503	0.300	15.531	0.4	0.01	0.7	OK
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.567	0.300	17.427	0.4	0.01	0.8	Flood Risk
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.574	0.300	17.436	0.3	0	0.5	Flood Risk

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.604	0.300	19.436	0.4	0.01	0.6	Flood Risk
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.617	0.300	19.427	0.3	0	0.4	Flood Risk
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.607	0.300	20.826	0.3	0	0.5	Flood Risk
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.624	0.300	20.848	0.3	0	0.3	Flood Risk
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.594	0.300	23.134	0.3	0	0.4	Flood Risk
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.600	0.300	23.245	0.3	0	0.2	Flood Risk
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.579	0.300	25.161	0.3	0	0.3	Flood Risk
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.574	0.300	24.834	0.3	0	0.2	Flood Risk
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.561	0.300	26.546	0.3	0	0.2	Flood Risk
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.543	0.300	26.891	0.3	0	0.2	OK
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.545	0.300	28.111	0.3	0	0.2	OK
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.513	0.300	28.096	0.2	0	0.1	OK
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S14 - 5	S01-5	27.850	27.532	0.300	29.898	0.3	0	0.2	OK
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S14 - 5	S01-5	27.850	27.483	0.300	29.404	0.2	0	0.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -1.005 - 5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 200 years: +45 %: 15 mins: Summer	Pipe	S04-5	EX	28.502	26.714	0.038	2.970	0.5	0.06	2.3	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S04-5	EX	28.502	26.714	0.038	2.996	0.5	0.06	2.3	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S04-5	EX	28.502	26.853	0.038	6.181	0.5	0.06	2.3	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S04-5	EX	28.502	26.852	0.038	6.215	0.5	0.06	2.3	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S04-5	EX	28.502	26.996	0.037	12.175	0.5	0.06	2.3	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S04-5	EX	28.502	26.995	0.037	12.234	0.5	0.06	2.3	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S04-5	EX	28.502	27.097	0.038	25.939	0.5	0.06	2.3	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S04-5	EX	28.502	27.097	0.038	26.027	0.5	0.06	2.3	Surcharged
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S04-5	EX	28.502	27.165	0.038	40.388	0.5	0.06	2.3	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S04-5	EX	28.502	27.165	0.038	40.444	0.5	0.06	2.3	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S04-5	EX	28.502	27.217	0.038	55.288	0.5	0.06	2.3	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S04-5	EX	28.502	27.217	0.038	55.297	0.5	0.06	2.3	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S04-5	EX	28.502	27.297	0.038	85.933	0.5	0.06	2.3	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S04-5	EX	28.502	27.298	0.038	85.813	0.5	0.06	2.3	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S04-5	EX	28.502	27.357	0.038	117.253	0.5	0.06	2.3	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S04-5	EX	28.502	27.358	0.038	116.997	0.5	0.06	2.3	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S04-5	EX	28.502	27.403	0.038	149.089	0.5	0.06	2.4	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S04-5	EX	28.502	27.405	0.038	148.673	0.5	0.06	2.4	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S04-5	EX	28.502	27.441	0.039	181.133	0.5	0.06	2.4	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S04-5	EX	28.502	27.444	0.039	180.526	0.5	0.06	2.4	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S04-5	EX	28.502	27.498	0.039	245.648	0.5	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S04-5	EX	28.502	27.502	0.039	244.739	0.5	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S04-5	EX	28.502	27.567	0.039	374.003	0.5	0.07	2.5	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S04-5	EX	28.502	27.573	0.039	372.481	0.5	0.07	2.5	Surcharged

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S04-5	EX	28.502	27.604	0.040	560.111	0.5	0.07	2.5	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S04-5	EX	28.502	27.617	0.040	558.045	0.5	0.07	2.6	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S04-5	EX	28.502	27.606	0.040	735.707	0.5	0.07	2.5	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S04-5	EX	28.502	27.623	0.040	733.335	0.5	0.07	2.6	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S04-5	EX	28.502	27.594	0.040	1073.707	0.5	0.07	2.5	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S04-5	EX	28.502	27.599	0.040	1071.411	0.5	0.07	2.5	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S04-5	EX	28.502	27.578	0.040	1414.610	0.5	0.07	2.5	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S04-5	EX	28.502	27.573	0.039	1413.576	0.5	0.07	2.5	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S04-5	EX	28.502	27.560	0.039	1562.943	0.5	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S04-5	EX	28.502	27.543	0.039	1564.551	0.5	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S04-5	EX	28.502	27.545	0.039	1656.186	0.5	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S04-5	EX	28.502	27.513	0.039	1656.806	0.5	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S04-5	EX	28.502	27.531	0.039	1741.776	0.5	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S04-5	EX	28.502	27.483	0.039	1740.162	0.5	0.06	2.4	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -5.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 200 years: +45 %: 15 mins: Summer	Pipe	S06 - 5	Tank	28.888	28.084	0.300	71.518	2.0	1.16	143.8	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S06 - 5	Tank	28.888	28.023	0.300	71.507	1.8	1.04	129.9	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.886	0.237	94.772	1.8	0.88	109.4	OK
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.871	0.224	94.766	1.8	0.82	102.7	OK
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.857	0.212	119.440	1.8	0.77	95.6	OK
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.823	0.182	119.434	1.7	0.62	76.9	OK
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.803	0.164	137.951	1.7	0.53	65.5	OK
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.770	0.134	137.950	1.5	0.38	47.1	OK
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.777	0.140	150.850	1.6	0.41	50.5	OK
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.747	0.113	150.833	1.4	0.28	34.8	OK

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.760	0.125	161.105	1.5	0.34	41.7	OK
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.734	0.100	161.141	1.4	0.23	28.1	OK
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.740	0.107	177.647	1.4	0.25	31.4	OK
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.717	0.085	177.641	1.3	0.17	20.7	OK
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.729	0.096	190.829	1.3	0.21	25.9	OK
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.708	0.076	190.847	1.2	0.13	16.7	OK
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.720	0.088	201.953	1.3	0.18	22.0	OK
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.701	0.070	202.025	1.1	0.11	14.2	OK
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.714	0.082	211.799	1.2	0.15	19.2	OK
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.696	0.065	211.763	1.1	0.1	12.4	OK
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.705	0.073	228.324	1.2	0.12	15.5	OK
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.689	0.059	228.365	1.0	0.08	10.0	OK
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.694	0.063	254.242	1.1	0.09	11.5	OK
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.680	0.060	254.079	0.9	0.06	7.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.684	0.075	282.417	1.0	0.07	8.5	OK
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.673	0.081	282.410	0.9	0.04	5.5	OK
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.679	0.076	304.076	0.9	0.06	6.9	OK
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.669	0.084	304.083	0.8	0.04	4.4	OK
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.672	0.070	337.838	0.9	0.04	5.1	OK
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.663	0.072	338.049	0.7	0.03	3.3	OK
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.667	0.062	365.829	0.8	0.03	4.2	OK
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.660	0.059	365.334	0.7	0.02	2.7	OK
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.664	0.053	388.954	0.8	0.03	3.5	OK
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.658	0.044	389.952	0.7	0.02	2.3	OK
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.662	0.045	411.539	0.7	0.03	3.1	OK
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.656	0.029	411.336	0.6	0.02	2.0	OK
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S06 - 5	Tank	28.888	27.661	0.038	432.798	0.7	0.02	2.8	OK
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S06 - 5	Tank	28.888	27.655	0.025	431.711	0.6	0.01	1.8	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -5.002-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 200 years: +45 %: 15 mins: Summer	Pipe	S08-5	S07-5	28.888	28.328	0.256	2.839	0.1	0.05	6.2	OK
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S08-5	S07-5	28.888	28.327	0.203	2.828	0.1	0.05	5.8	OK
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S08-5	S07-5	28.888	28.321	0.123	3.750	0.2	0.03	4.3	OK
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S08-5	S07-5	28.888	28.320	0.117	3.750	0.2	0.03	4.1	OK
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S08-5	S07-5	28.888	28.319	0.110	4.728	0.2	0.03	3.8	OK
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S08-5	S07-5	28.888	28.316	0.095	4.728	0.2	0.02	3.0	OK
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S08-5	S07-5	28.888	28.313	0.086	5.460	0.2	0.02	2.6	OK
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S08-5	S07-5	28.888	28.309	0.071	5.460	0.1	0.01	1.9	OK
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S08-5	S07-5	28.888	28.310	0.074	5.964	0.1	0.02	2.0	OK
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S08-5	S07-5	28.888	28.306	0.060	5.964	0.1	0.01	1.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S08-5	S07-5	28.888	28.308	0.067	6.372	0.1	0.01	1.6	OK
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S08-5	S07-5	28.888	28.304	0.054	6.384	0.1	0.01	1.1	OK
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S08-5	S07-5	28.888	28.305	0.057	7.026	0.1	0.01	1.2	OK
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S08-5	S07-5	28.888	28.302	0.046	7.032	0.1	0.01	0.8	OK
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S08-5	S07-5	28.888	28.303	0.052	7.548	0.1	0.01	1.0	OK
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S08-5	S07-5	28.888	28.300	0.042	7.548	0.1	0.01	0.7	OK
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S08-5	S07-5	28.888	28.302	0.048	7.986	0.1	0.01	0.9	OK
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S08-5	S07-5	28.888	28.299	0.038	7.992	0.1	0	0.6	OK
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S08-5	S07-5	28.888	28.301	0.045	8.376	0.1	0.01	0.8	OK
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S08-5	S07-5	28.888	28.298	0.036	8.394	0.1	0	0.5	OK
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S08-5	S07-5	28.888	28.299	0.040	9.006	0.1	0	0.6	OK
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S08-5	S07-5	28.888	28.297	0.032	9.018	0.1	0	0.4	OK
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S08-5	S07-5	28.888	28.298	0.035	10.068	0.1	0	0.5	OK
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S08-5	S07-5	28.888	28.295	0.028	9.996	0.1	0	0.3	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S08-5	S07-5	28.888	28.296	0.030	11.202	0.1	0	0.3	OK
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S08-5	S07-5	28.888	28.294	0.024	11.220	0.1	0	0.2	OK
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S08-5	S07-5	28.888	28.295	0.027	12.024	0.1	0	0.3	OK
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S08-5	S07-5	28.888	28.293	0.022	12.030	0.1	0	0.2	OK
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S08-5	S07-5	28.888	28.294	0.024	13.470	0.1	0	0.2	OK
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S08-5	S07-5	28.888	28.292	0.019	13.314	0.1	0	0.1	OK
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S08-5	S07-5	28.888	28.293	0.021	14.580	0.1	0	0.2	OK
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S08-5	S07-5	28.888	28.291	0.017	14.586	0.1	0	0.1	OK
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S08-5	S07-5	28.888	28.292	0.020	15.204	0.1	0	0.1	OK
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S08-5	S07-5	28.888	28.290	0.016	15.732	0.1	0	0.1	OK
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S08-5	S07-5	28.888	28.292	0.018	15.978	0.1	0	0.1	OK
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S08-5	S07-5	28.888	28.290	0.015	16.074	0.1	0	0.1	OK
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S08-5	S07-5	28.888	28.291	0.018	16.698	0.1	0	0.1	OK
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S08-5	S07-5	28.888	28.290	0.014	16.698	0.1	0	0.1	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -3.001-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 200 years: +45 %: 15 mins: Summer	Pipe	S10-5	S09-5	28.560	27.031	0.300	30.938	0.8	0.93	58.3	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S10-5	S09-5	28.560	26.997	0.300	30.946	0.7	0.83	52.5	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S10-5	S09-5	28.560	26.924	0.300	39.364	0.7	0.77	48.4	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S10-5	S09-5	28.560	26.901	0.300	39.377	0.6	0.72	45.5	OK
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S10-5	S09-5	28.560	26.995	0.300	48.409	0.6	0.68	42.5	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S10-5	S09-5	28.560	26.995	0.300	48.398	0.6	0.54	34.2	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S10-5	S09-5	28.560	27.096	0.300	55.878	0.6	0.46	29.2	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S10-5	S09-5	28.560	27.097	0.300	55.882	0.5	0.32	20.2	Surcharged
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S10-5	S09-5	28.560	27.164	0.300	61.247	0.5	0.33	20.9	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S10-5	S09-5	28.560	27.165	0.300	61.255	0.5	0.22	14.1	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
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FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S10-5	S09-5	28.560	27.217	0.300	65.638	0.5	0.26	16.4	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S10-5	S09-5	28.560	27.217	0.300	65.633	0.5	0.18	11.2	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S10-5	S09-5	28.560	27.297	0.300	72.742	0.4	0.19	12.0	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S10-5	S09-5	28.560	27.298	0.300	72.740	0.4	0.13	8.0	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S10-5	S09-5	28.560	27.357	0.300	78.485	0.4	0.16	9.8	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S10-5	S09-5	28.560	27.358	0.300	78.495	0.4	0.1	6.3	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S10-5	S09-5	28.560	27.403	0.300	83.372	0.4	0.12	7.8	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S10-5	S09-5	28.560	27.405	0.300	83.404	0.4	0.08	5.3	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S10-5	S09-5	28.560	27.441	0.300	87.716	0.4	0.11	6.8	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S10-5	S09-5	28.560	27.444	0.300	87.688	0.4	0.07	4.6	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S10-5	S09-5	28.560	27.498	0.300	95.089	0.4	0.09	5.7	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S10-5	S09-5	28.560	27.502	0.300	95.094	0.4	0.06	3.8	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S10-5	S09-5	28.560	27.567	0.300	106.726	0.3	0.07	4.6	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S10-5	S09-5	28.560	27.573	0.300	106.675	0.3	0.05	2.9	Surcharged

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S10-5	S09-5	28.560	27.604	0.300	119.754	0.3	0.06	3.5	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S10-5	S09-5	28.560	27.617	0.300	119.695	0.3	0.04	2.2	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S10-5	S09-5	28.560	27.606	0.300	130.335	0.3	0.04	2.8	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S10-5	S09-5	28.560	27.623	0.300	130.369	0.3	0.03	1.8	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S10-5	S09-5	28.560	27.594	0.300	149.563	0.3	0.03	2.1	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S10-5	S09-5	28.560	27.599	0.300	149.717	0.3	0.02	1.4	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S10-5	S09-5	28.560	27.578	0.300	162.789	0.3	0.03	1.7	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S10-5	S09-5	28.560	27.573	0.300	162.729	0.2	0.02	1.1	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S10-5	S09-5	28.560	27.560	0.300	173.253	0.2	0.02	1.4	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S10-5	S09-5	28.560	27.543	0.300	173.426	0.2	0.01	0.9	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S10-5	S09-5	28.560	27.545	0.300	183.621	0.2	0.02	1.3	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S10-5	S09-5	28.560	27.513	0.300	183.338	0.2	0.01	0.8	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S10-5	S09-5	28.560	27.531	0.300	192.704	0.2	0.02	1.2	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S10-5	S09-5	28.560	27.483	0.300	192.800	0.2	0.01	0.7	Surcharged

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Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -3.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 200 years: +45 %: 15 mins: Summer	Pipe	S09-5	Tank	28.846	26.968	0.300	61.856	1.8	1.75	123.9	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S09-5	Tank	28.846	26.943	0.300	61.840	1.6	1.62	114.2	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S09-5	Tank	28.846	26.885	0.300	79.741	1.4	1.37	96.8	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S09-5	Tank	28.846	26.866	0.300	79.765	1.4	1.29	91.0	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S09-5	Tank	28.846	26.996	0.300	99.165	1.3	1.2	84.8	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S09-5	Tank	28.846	26.996	0.300	99.164	1.2	0.97	68.2	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S09-5	Tank	28.846	27.097	0.300	114.453	1.1	0.82	57.9	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S09-5	Tank	28.846	27.097	0.300	114.461	1.0	0.58	40.7	Surcharged
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S09-5	Tank	28.846	27.165	0.300	125.302	1.0	0.6	42.6	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S09-5	Tank	28.846	27.165	0.300	125.337	0.9	0.41	28.6	Surcharged

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S09-5	Tank	28.846	27.217	0.300	134.153	0.9	0.48	33.7	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S09-5	Tank	28.846	27.218	0.300	134.158	0.8	0.32	22.7	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S09-5	Tank	28.846	27.298	0.300	148.449	0.8	0.35	24.7	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S09-5	Tank	28.846	27.298	0.300	148.429	0.8	0.23	16.4	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S09-5	Tank	28.846	27.357	0.300	159.963	0.7	0.29	20.3	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S09-5	Tank	28.846	27.358	0.300	159.984	0.7	0.19	13.1	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S09-5	Tank	28.846	27.403	0.300	169.751	0.7	0.24	17.1	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S09-5	Tank	28.846	27.406	0.300	169.799	0.7	0.15	11.0	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S09-5	Tank	28.846	27.442	0.300	178.415	0.7	0.21	15.0	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S09-5	Tank	28.846	27.444	0.300	178.373	0.6	0.14	9.7	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S09-5	Tank	28.846	27.499	0.300	193.104	0.6	0.17	12.3	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S09-5	Tank	28.846	27.503	0.300	193.129	0.6	0.11	8.0	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S09-5	Tank	28.846	27.567	0.300	216.319	0.6	0.13	9.4	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S09-5	Tank	28.846	27.574	0.300	216.205	0.5	0.09	6.1	Surcharged

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S09-5	Tank	28.846	27.604	0.300	242.113	0.5	0.1	7.1	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S09-5	Tank	28.846	27.617	0.300	242.068	0.5	0.06	4.5	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S09-5	Tank	28.846	27.607	0.300	262.875	0.5	0.08	5.7	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S09-5	Tank	28.846	27.624	0.300	262.896	0.5	0.05	3.7	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S09-5	Tank	28.846	27.594	0.300	298.479	0.5	0.06	4.2	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S09-5	Tank	28.846	27.600	0.300	298.701	0.4	0.04	2.7	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S09-5	Tank	28.846	27.578	0.300	324.593	0.4	0.05	3.5	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S09-5	Tank	28.846	27.573	0.300	324.622	0.4	0.03	2.2	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S09-5	Tank	28.846	27.561	0.300	345.784	0.4	0.04	2.9	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S09-5	Tank	28.846	27.543	0.300	346.042	0.4	0.03	1.9	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S09-5	Tank	28.846	27.545	0.300	365.670	0.4	0.04	2.6	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S09-5	Tank	28.846	27.513	0.300	366.100	0.4	0.02	1.7	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S09-5	Tank	28.846	27.532	0.300	384.179	0.4	0.03	2.3	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S09-5	Tank	28.846	27.483	0.300	384.388	0.4	0.02	1.5	Surcharged

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FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -3.0003--5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 200 years: +45 %: 15 mins: Summer	Pipe	S12-5	S11-5	28.755	27.528	0.225	31.652	1.7	1.15	66.8	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S12-5	S11-5	28.755	27.426	0.225	31.675	1.6	1.07	62.1	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S12-5	S11-5	28.755	27.196	0.185	42.141	1.5	0.84	48.7	OK
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S12-5	S11-5	28.755	27.180	0.160	42.164	1.5	0.79	45.7	OK
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S12-5	S11-5	28.755	27.171	0.150	53.140	1.5	0.73	42.6	OK
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S12-5	S11-5	28.755	27.148	0.130	53.120	1.4	0.59	34.2	OK
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S12-5	S11-5	28.755	27.134	0.174	61.193	1.4	0.5	29.1	OK
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S12-5	S11-5	28.755	27.112	0.174	61.198	1.3	0.36	21.0	OK
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S12-5	S11-5	28.755	27.164	0.225	66.784	1.3	0.39	22.5	OK
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S12-5	S11-5	28.755	27.165	0.225	66.801	1.2	0.27	15.5	OK

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FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S12-5	S11-5	28.755	27.217	0.225	71.302	1.3	0.32	18.6	OK
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S12-5	S11-5	28.755	27.218	0.225	71.309	1.1	0.21	12.5	OK
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S12-5	S11-5	28.755	27.297	0.225	78.560	1.2	0.24	14.0	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S12-5	S11-5	28.755	27.298	0.225	78.573	1.0	0.16	9.2	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S12-5	S11-5	28.755	27.357	0.225	84.393	1.1	0.2	11.5	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S12-5	S11-5	28.755	27.358	0.225	84.421	1.0	0.13	7.5	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S12-5	S11-5	28.755	27.403	0.225	89.335	1.1	0.17	9.8	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S12-5	S11-5	28.755	27.406	0.225	89.387	0.9	0.11	6.3	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S12-5	S11-5	28.755	27.441	0.225	93.712	1.0	0.15	8.6	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S12-5	S11-5	28.755	27.444	0.225	93.703	0.9	0.1	5.5	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S12-5	S11-5	28.755	27.499	0.225	101.103	1.0	0.12	6.9	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S12-5	S11-5	28.755	27.503	0.225	101.126	0.8	0.08	4.5	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S12-5	S11-5	28.755	27.567	0.225	112.663	0.9	0.09	5.1	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S12-5	S11-5	28.755	27.574	0.225	112.626	0.8	0.06	3.3	Surcharged

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S12-5	S11-5	28.755	27.604	0.225	125.405	0.8	0.07	3.8	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S12-5	S11-5	28.755	27.617	0.225	125.362	0.7	0.04	2.5	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S12-5	S11-5	28.755	27.607	0.225	135.373	0.7	0.05	3.1	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S12-5	S11-5	28.755	27.624	0.225	135.436	0.7	0.03	2.0	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S12-5	S11-5	28.755	27.594	0.225	150.388	0.7	0.04	2.3	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S12-5	S11-5	28.755	27.600	0.225	150.589	0.6	0.03	1.5	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S12-5	S11-5	28.755	27.579	0.225	162.773	0.6	0.03	1.9	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S12-5	S11-5	28.755	27.574	0.225	162.717	0.6	0.02	1.2	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S12-5	S11-5	28.755	27.561	0.225	173.239	0.6	0.03	1.6	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S12-5	S11-5	28.755	27.543	0.225	173.415	0.5	0.02	1.0	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S12-5	S11-5	28.755	27.545	0.225	183.608	0.6	0.02	1.4	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S12-5	S11-5	28.755	27.513	0.225	183.328	0.5	0.02	0.9	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S12-5	S11-5	28.755	27.532	0.225	192.693	0.6	0.02	1.3	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S12-5	S11-5	28.755	27.483	0.225	192.791	0.5	0.01	0.8	Surcharged

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FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -4.000-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 200 years: +45 %: 15 mins: Summer	Pipe	S13-5	S09-5	28.754	27.463	0.225	31.330	1.7	1.17	67.8	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S13-5	S09-5	28.754	27.380	0.225	31.357	1.6	1.1	64.1	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S13-5	S09-5	28.754	27.112	0.210	41.723	1.3	0.83	48.4	OK
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S13-5	S09-5	28.754	27.103	0.196	41.753	1.3	0.78	45.5	OK
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S13-5	S09-5	28.754	27.095	0.208	52.562	1.3	0.73	42.3	OK
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S13-5	S09-5	28.754	27.073	0.208	52.565	1.3	0.58	34.0	OK
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S13-5	S09-5	28.754	27.097	0.225	60.513	1.3	0.5	29.0	OK
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S13-5	S09-5	28.754	27.097	0.225	60.529	1.2	0.36	20.9	OK
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S13-5	S09-5	28.754	27.164	0.225	66.072	1.2	0.38	22.4	OK
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S13-5	S09-5	28.754	27.165	0.225	66.101	1.2	0.26	15.4	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S13-5	S09-5	28.754	27.217	0.225	70.570	1.2	0.32	18.5	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S13-5	S09-5	28.754	27.218	0.225	70.606	1.1	0.21	12.4	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S13-5	S09-5	28.754	27.297	0.225	77.844	1.1	0.24	13.9	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S13-5	S09-5	28.754	27.298	0.225	77.857	1.0	0.16	9.2	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S13-5	S09-5	28.754	27.357	0.225	83.673	1.0	0.2	11.5	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S13-5	S09-5	28.754	27.358	0.225	83.708	1.0	0.13	7.4	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S13-5	S09-5	28.754	27.403	0.225	88.609	1.0	0.17	9.7	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S13-5	S09-5	28.754	27.406	0.225	88.647	0.9	0.11	6.3	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S13-5	S09-5	28.754	27.441	0.225	92.953	0.9	0.15	8.5	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S13-5	S09-5	28.754	27.444	0.225	92.956	0.9	0.09	5.5	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S13-5	S09-5	28.754	27.498	0.225	100.284	0.9	0.12	6.9	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S13-5	S09-5	28.754	27.503	0.225	100.319	0.8	0.08	4.4	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S13-5	S09-5	28.754	27.567	0.225	111.832	0.8	0.09	5.1	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S13-5	S09-5	28.754	27.574	0.225	111.780	0.7	0.06	3.3	Surcharged

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S13-5	S09-5	28.754	27.604	0.225	124.475	0.7	0.06	3.8	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S13-5	S09-5	28.754	27.617	0.225	124.500	0.7	0.04	2.4	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S13-5	S09-5	28.754	27.607	0.225	134.489	0.7	0.05	3.1	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S13-5	S09-5	28.754	27.624	0.225	134.486	0.6	0.03	2.0	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S13-5	S09-5	28.754	27.594	0.225	149.604	0.6	0.04	2.3	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S13-5	S09-5	28.754	27.600	0.225	149.704	0.6	0.02	1.4	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S13-5	S09-5	28.754	27.579	0.225	161.804	0.6	0.03	1.8	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S13-5	S09-5	28.754	27.573	0.225	161.898	0.5	0.02	1.2	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S13-5	S09-5	28.754	27.561	0.225	172.534	0.6	0.03	1.6	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S13-5	S09-5	28.754	27.543	0.225	172.621	0.5	0.02	1.0	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S13-5	S09-5	28.754	27.545	0.225	182.052	0.5	0.02	1.4	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S13-5	S09-5	28.754	27.513	0.225	182.768	0.5	0.02	0.9	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S13-5	S09-5	28.754	27.532	0.225	191.478	0.5	0.02	1.2	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S13-5	S09-5	28.754	27.483	0.225	191.595	0.5	0.01	0.8	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -1.004-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 200 years: +45 %: 15 mins: Summer	Pipe	Tank	S04-5	28.670	26.714	0.225	3.613	0.4	0.08	3.2	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	Tank	S04-5	28.670	26.714	0.225	3.639	0.4	0.08	3.1	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	Tank	S04-5	28.670	26.853	0.225	6.980	0.3	0.07	3.0	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	Tank	S04-5	28.670	26.853	0.225	7.014	0.3	0.07	2.9	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	Tank	S04-5	28.670	26.996	0.225	13.133	0.1	0.07	2.9	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	Tank	S04-5	28.670	26.996	0.225	13.192	0.1	0.07	2.8	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	Tank	S04-5	28.670	27.097	0.225	27.003	0.2	0.07	2.7	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	Tank	S04-5	28.670	27.097	0.225	27.090	0.3	0.06	2.6	Surcharged
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	Tank	S04-5	28.670	27.165	0.225	41.517	0.2	0.06	2.6	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	Tank	S04-5	28.670	27.165	0.225	41.573	0.2	0.06	2.5	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	Tank	S04-5	28.670	27.218	0.225	56.463	0.2	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	Tank	S04-5	28.670	27.218	0.225	56.473	0.2	0.06	2.4	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	Tank	S04-5	28.670	27.298	0.225	87.172	0.2	0.06	2.4	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	Tank	S04-5	28.670	27.298	0.225	87.053	0.2	0.06	2.4	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	Tank	S04-5	28.670	27.357	0.225	118.532	0.2	0.06	2.4	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	Tank	S04-5	28.670	27.358	0.225	118.276	0.2	0.06	2.4	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	Tank	S04-5	28.670	27.404	0.225	150.391	0.2	0.06	2.4	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	Tank	S04-5	28.670	27.406	0.225	149.976	0.2	0.06	2.4	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	Tank	S04-5	28.670	27.442	0.225	182.448	0.2	0.06	2.4	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	Tank	S04-5	28.670	27.444	0.225	181.843	0.2	0.06	2.4	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	Tank	S04-5	28.670	27.499	0.225	246.967	0.2	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	Tank	S04-5	28.670	27.503	0.225	246.060	0.2	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	Tank	S04-5	28.670	27.567	0.225	375.279	0.2	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	Tank	S04-5	28.670	27.574	0.225	373.759	0.2	0.06	2.5	Surcharged

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	Tank	S04-5	28.670	27.604	0.225	561.259	0.2	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	Tank	S04-5	28.670	27.617	0.225	559.195	0.2	0.06	2.6	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	Tank	S04-5	28.670	27.607	0.225	736.700	0.2	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	Tank	S04-5	28.670	27.624	0.225	734.332	0.1	0.06	2.6	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	Tank	S04-5	28.670	27.594	0.225	1074.353	0.1	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	Tank	S04-5	28.670	27.600	0.225	1072.063	0.1	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	Tank	S04-5	28.670	27.578	0.225	1414.800	0.1	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	Tank	S04-5	28.670	27.573	0.225	1413.767	0.1	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	Tank	S04-5	28.670	27.561	0.225	1562.982	0.2	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	Tank	S04-5	28.670	27.543	0.225	1564.589	0.1	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	Tank	S04-5	28.670	27.545	0.225	1656.193	0.1	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	Tank	S04-5	28.670	27.513	0.225	1656.814	0.1	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	Tank	S04-5	28.670	27.532	0.225	1741.781	0.1	0.06	2.5	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	Tank	S04-5	28.670	27.483	0.225	1740.167	0.1	0.06	2.4	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -3.002-5: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 200 years: +45 %: 15 mins: Summer	Pipe	S11-5	S10-5	28.558	27.218	0.300	31.850	0.9	1	61.5	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S11-5	S10-5	28.558	27.160	0.300	31.862	0.8	0.92	56.6	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S11-5	S10-5	28.558	27.018	0.289	41.655	0.8	0.79	48.5	OK
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S11-5	S10-5	28.558	26.985	0.261	41.669	0.8	0.74	45.6	OK
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S11-5	S10-5	28.558	26.995	0.300	51.455	0.8	0.69	42.5	OK
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S11-5	S10-5	28.558	26.995	0.300	51.444	0.7	0.56	34.2	OK
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S11-5	S10-5	28.558	27.097	0.300	59.091	0.7	0.48	29.2	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S11-5	S10-5	28.558	27.097	0.300	59.092	0.7	0.34	21.0	Surcharged
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S11-5	S10-5	28.558	27.164	0.300	64.538	0.7	0.37	22.5	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S11-5	S10-5	28.558	27.165	0.300	64.543	0.6	0.25	15.5	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S11-5	S10-5	28.558	27.217	0.300	68.979	0.7	0.3	18.6	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S11-5	S10-5	28.558	27.218	0.300	68.970	0.6	0.2	12.5	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S11-5	S10-5	28.558	27.297	0.300	76.148	0.6	0.23	13.8	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S11-5	S10-5	28.558	27.298	0.300	76.139	0.6	0.15	9.2	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S11-5	S10-5	28.558	27.357	0.300	81.927	0.6	0.19	11.4	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S11-5	S10-5	28.558	27.358	0.300	81.931	0.5	0.12	7.3	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S11-5	S10-5	28.558	27.403	0.300	86.835	0.5	0.15	9.0	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S11-5	S10-5	28.558	27.406	0.300	86.861	0.5	0.1	6.1	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S11-5	S10-5	28.558	27.442	0.300	91.190	0.5	0.13	7.7	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S11-5	S10-5	28.558	27.444	0.300	91.155	0.5	0.09	5.3	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S11-5	S10-5	28.558	27.499	0.300	98.561	0.5	0.1	6.1	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S11-5	S10-5	28.558	27.503	0.300	98.561	0.5	0.07	4.2	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S11-5	S10-5	28.558	27.567	0.300	110.146	0.4	0.08	4.7	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S11-5	S10-5	28.558	27.574	0.300	110.090	0.4	0.05	3.0	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S11-5	S10-5	28.558	27.604	0.300	123.031	0.4	0.06	3.6	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S11-5	S10-5	28.558	27.617	0.300	122.969	0.4	0.04	2.3	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S11-5	S10-5	28.558	27.607	0.300	133.401	0.4	0.05	2.9	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S11-5	S10-5	28.558	27.624	0.300	133.434	0.4	0.03	1.9	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S11-5	S10-5	28.558	27.594	0.300	150.457	0.3	0.03	2.1	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S11-5	S10-5	28.558	27.600	0.300	150.647	0.3	0.02	1.4	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S11-5	S10-5	28.558	27.579	0.300	162.841	0.3	0.03	1.7	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S11-5	S10-5	28.558	27.573	0.300	162.774	0.3	0.02	1.1	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S11-5	S10-5	28.558	27.561	0.300	173.302	0.3	0.02	1.5	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S11-5	S10-5	28.558	27.543	0.300	173.469	0.3	0.02	1.0	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S11-5	S10-5	28.558	27.545	0.300	183.668	0.3	0.02	1.3	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S11-5	S10-5	28.558	27.513	0.300	183.379	0.3	0.01	0.8	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S11-5	S10-5	28.558	27.532	0.300	192.750	0.3	0.02	1.2	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S11-5	S10-5	28.558	27.483	0.300	192.839	0.3	0.01	0.8	Surcharged

Drainage Network Unit 5:	Date:		
Alchemy,Western Plot Network Space Developments	17/07/2026		
	Designed	Checked by:	Approved
	AMG		
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: UNIT 5	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-1.003-5: Rank By: Max. Flow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-5.001-5 : Rank By: Max. Flow

Drainage Network Unit 5:	Date:		
Alchemy,Western Plot Network Space Developments	17/07/2026		
	Designed	Checked by:	Approved
	AMG		
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: UNIT 5	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-1.000-5 : Rank By: Max. Flow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-1.001-5: Rank By: Max. Flow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-1.002-5: Rank By: Max. Flow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-2.000-5: Rank By: Max. Flow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-1.005 - 5: Rank By: Max. Flow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-5.000-5: Rank By: Max. Flow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-5.002-5: Rank By: Max. Flow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-3.001-5: Rank By: Max. Flow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-3.000-5: Rank By: Max. Flow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-3.0003--5: Rank By: Max. Flow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-4.000-5: Rank By: Max. Flow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-1.004-5: Rank By: Max. Flow

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Connections Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-3.002-5: Rank By: Max. Flow

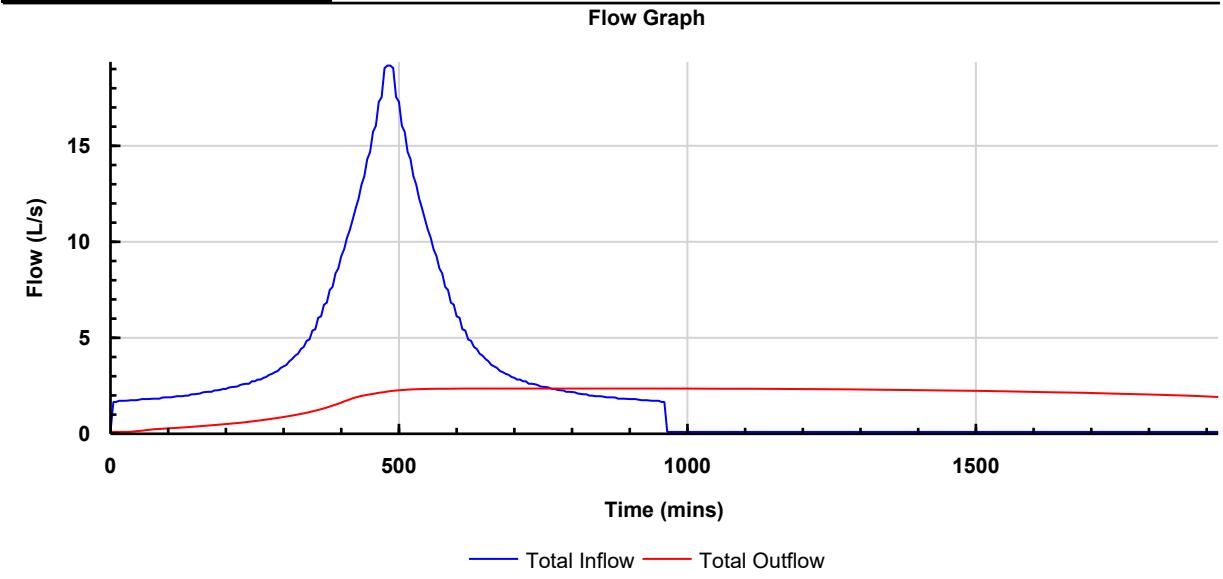
Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Phase Management Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

UNIT 5
FEH: 2 years: Increase Rainfall (%): +0: 960 mins: Summer

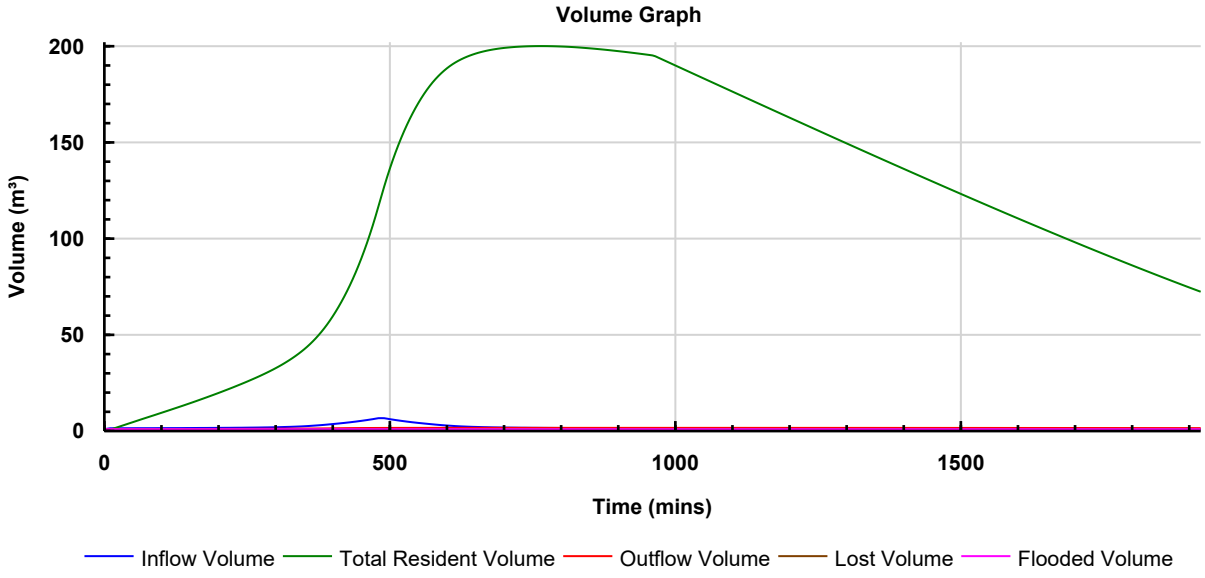
Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
EX			2.3	209.314
TOTAL	19.2	281.700	2.3	209.314

Graphs



Drainage Network Unit 5:	Date:		
Alchemy,Western Plot Network Space Developments	17/07/2026		
	Designed	Checked by:	Approved
	AMG		
Report Details:	Company Address:		
Type: Phase Management Storm Phase: UNIT 5	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Phase Management Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

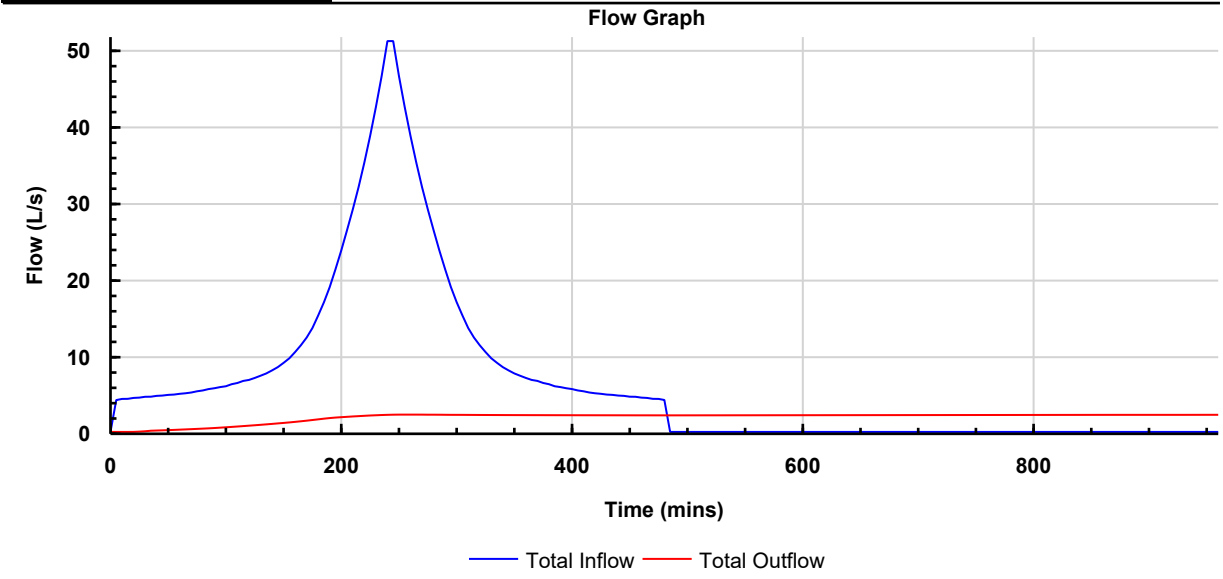


UNIT 5
FEH: 30 years: Increase Rainfall (%): +0: 480 mins: Summer

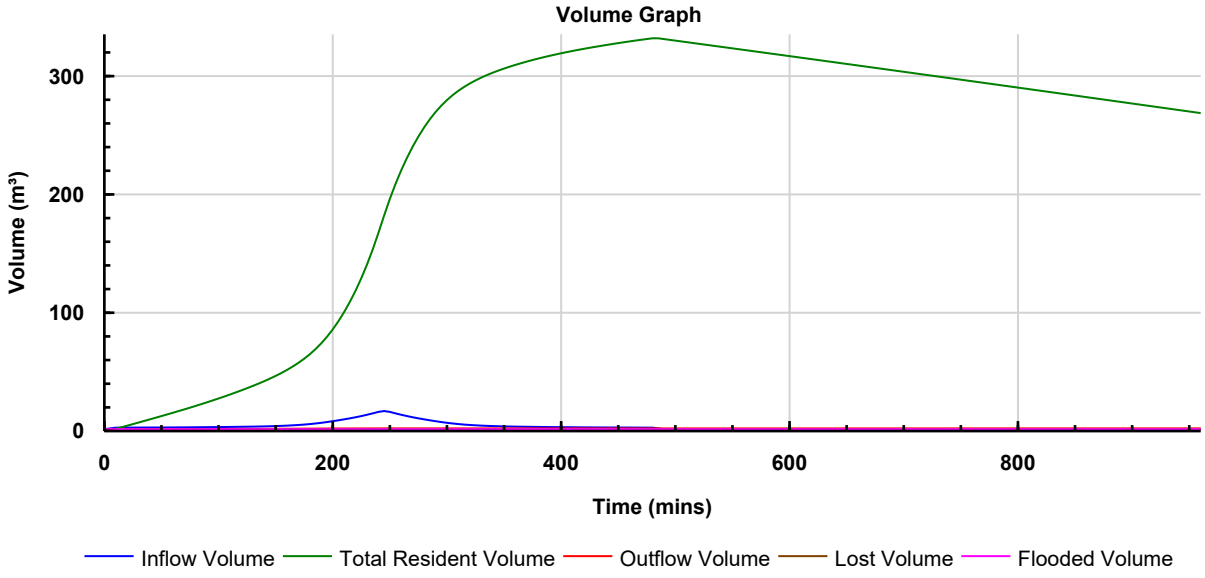
Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
EX			2.3	109.418
TOTAL	51.3	377.994	2.3	109.418

Graphs



Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Phase Management Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



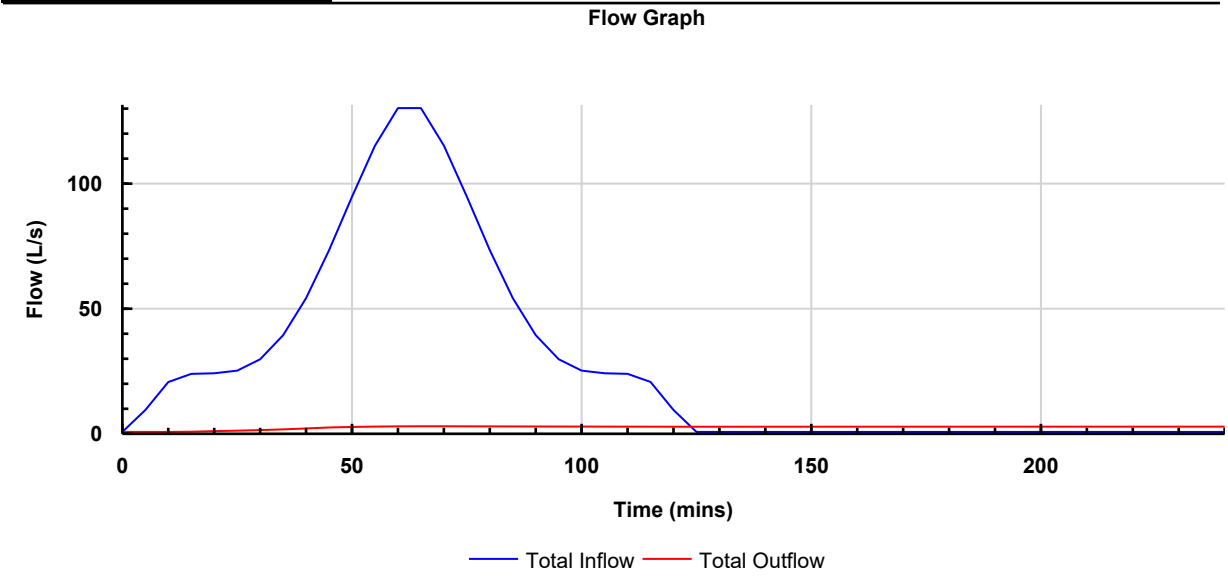
Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Phase Management Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

UNIT 5
FEH: 30 years: Increase Rainfall (%): +40: 120 mins: Winter

Tables

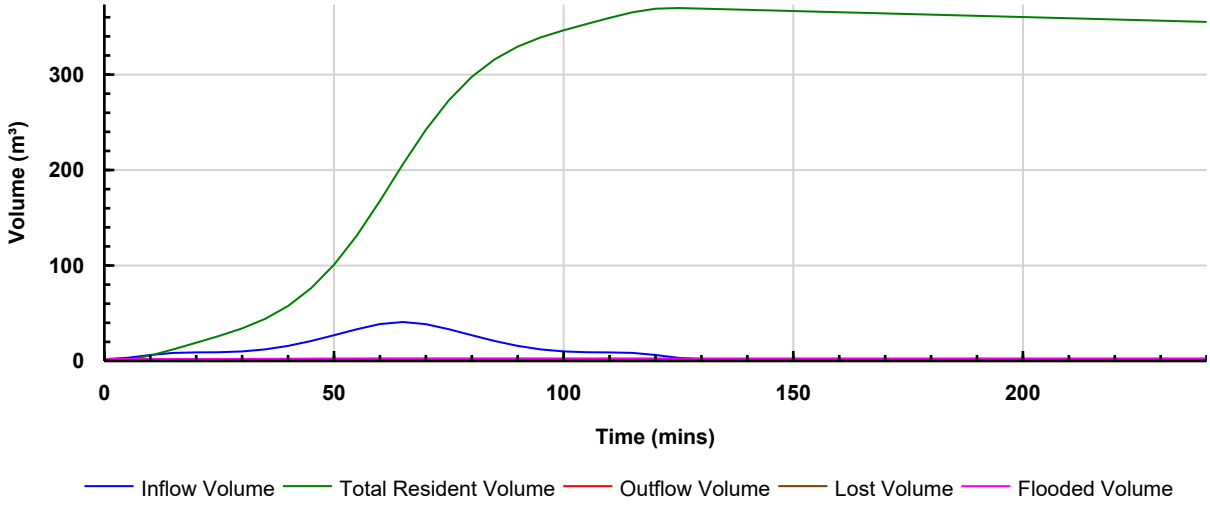
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
EX			2.3	26.349
TOTAL	130.2	381.273	2.3	26.349

Graphs



Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Phase Management Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Volume Graph



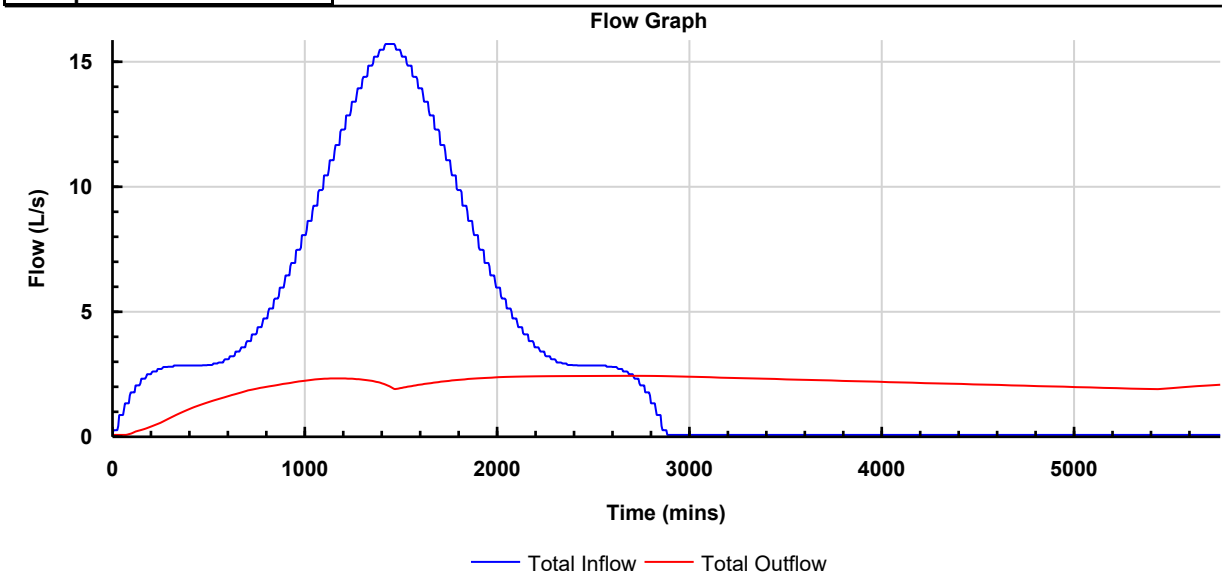
Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Phase Management Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

UNIT 5
FEH: 100 years: Increase Rainfall (%): +45: 2880 mins: Winter

Tables

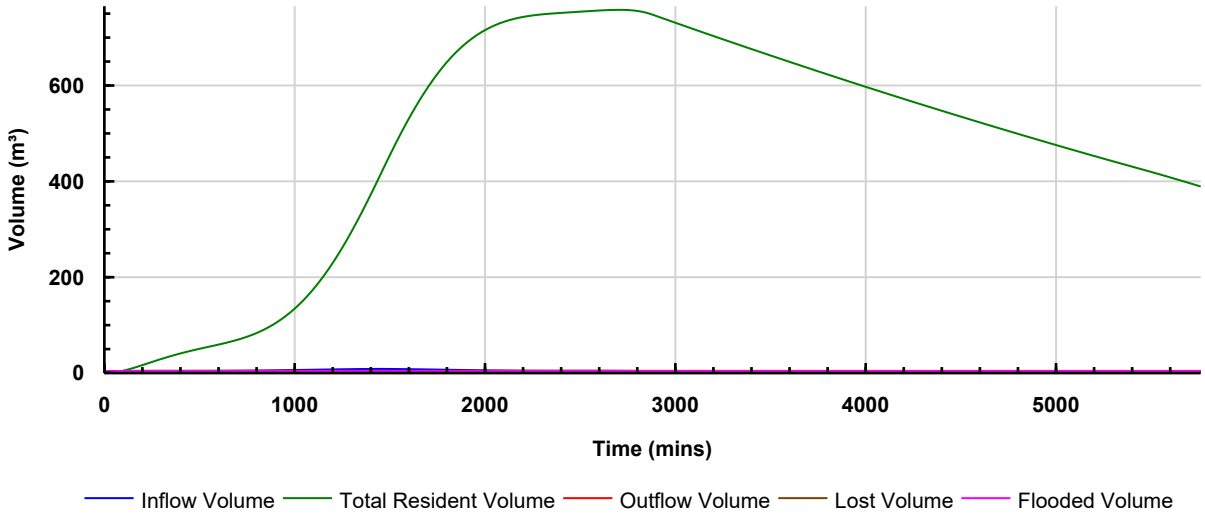
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
EX			2.4	684.658
TOTAL	15.7	1073.604	2.4	684.658

Graphs



Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Phase Management Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Volume Graph



Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Phase Management Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

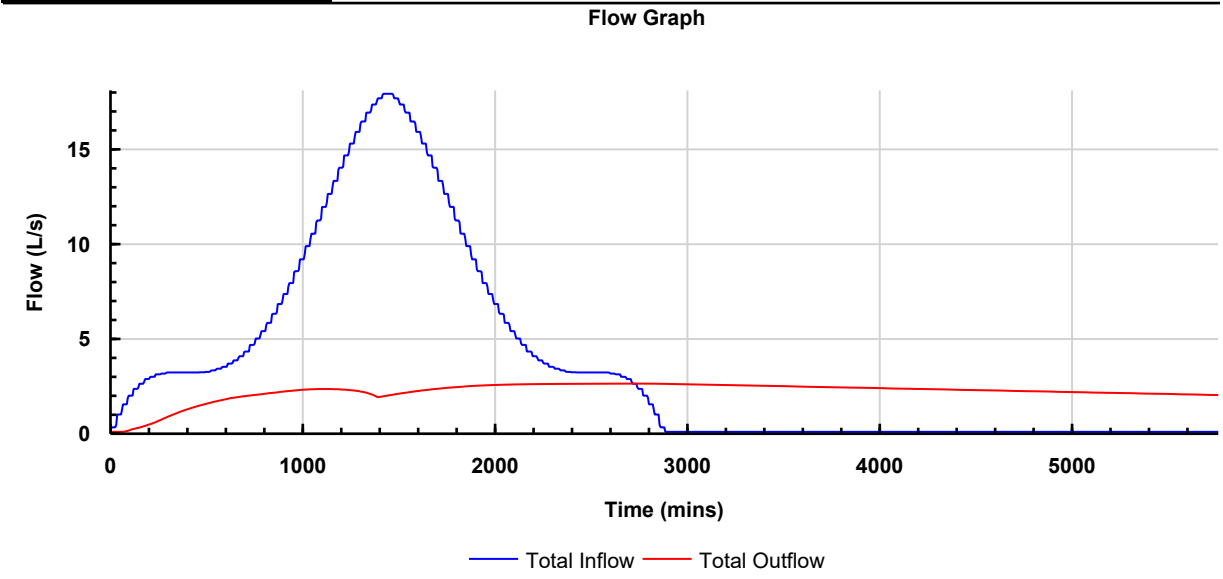


UNIT 5
FEH: 200 years: Increase Rainfall (%): +45: 2880 mins: Winter

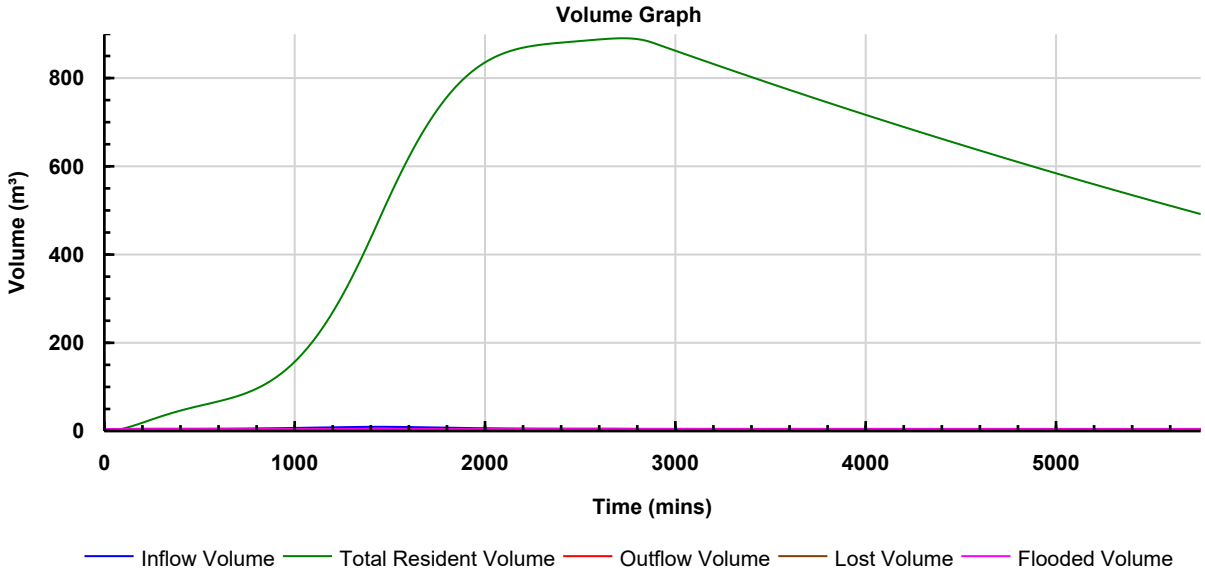
Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
EX			2.6	733.335
TOTAL	17.9	1224.996	2.6	733.335

Graphs



Drainage Network Unit 5:	Date:		
Alchemy,Western Plot Network Space Developments	17/07/2026		
	Designed	Checked by:	Approved
	AMG		
Report Details:	Company Address:		
Type: Phase Management Storm Phase: UNIT 5	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



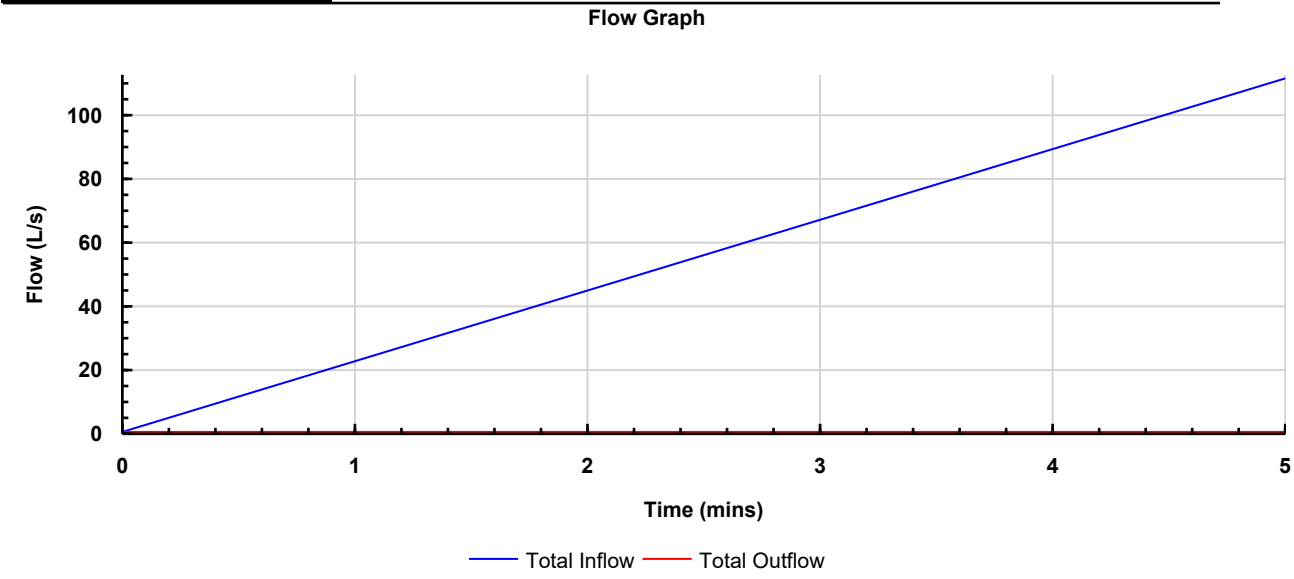
Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Phase Management Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

UNIT 5
5mm of Rainfall: Increase Rainfall (%): +0: 5mm

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
EX			0.0	0.000
TOTAL	111.5	16.740	0.0	0.000

Graphs



Drainage Network Unit 5:	Date:		
Alchemy,Western Plot Network Space Developments	17/07/2026		
	Designed	Checked by:	Approved
	AMG		
Report Details:	Company Address:		
Type: Phase Management Storm Phase: UNIT 5	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

